



Canadian
Intellectual Property
Office

An Agency of
Industry Canada

Office de la propriété
intellectuelle
du Canada

Un organisme
d'Industrie Canada

ISSN-1712-4034

The Patent

Office Record

La Gazette

du Bureau des brevets



Vol. 148 No. 12 March 24, 2020

Vol. 148 No. 12 le 24 mars 2020

Canada



THE CANADIAN PATENT OFFICE RECORD

LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle
Commissioner of Patents

Johanne Bélisle
Commissaire aux brevets

The Canadian Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Gatineau, Canada, to whom all communications should be addressed.

The Canadian Intellectual Property Office does not guarantee the accuracy of this publication, nor undertake any responsibility for errors or omissions or their consequences.

La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Gatineau, Canada, à qui doit être adressée toute correspondance.

L'Office de la propriété intellectuelle de Canada ne garantit pas l'exactitude de la présente publication et ne se rend responsable d'aucune erreur ou omission ou de leurs conséquences.

Table of Contents

Table des matières

Notices	
Avis	1
Canadian Patents Issued	
Brevets canadiens délivrés	26
Canadian Applications Open to Public Inspection	
Demandes canadiennes mises à la disponibilité du public.....	184
PCT Applications Entering the National Phase	
Demandes PCT entrant en phase nationale	206
Canadian Divisional and Previously Unavailable Applications Open to Public Inspection	
Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant	284
Index of Canadian Patents Issued	
Index des brevets canadiens délivrés	291
Index of Canadian Applications Open to Public Inspection	
Index des demandes canadiennes mises à la disponibilité du public	318
Index of PCT Applications Entering the National Phase	
Index des demandes PCT entrant en phase nationale	322
Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection	
Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant	336

Notices

Avis

1. Dates and Code Numerals Appearing in Patent Headings

Dates

All dates appearing in the patent headings of this publication follow the form recommended by the International Standards Organization. The four digits on the left represent the years followed by two digits each for the months and the days. For example, January 02, 1999 will be shown as 1999-01-02.

Code Numerals

The numerals within the brackets in the patent headings are INID codes. "INID" is an acronym for "Internationally agreed Numbers for the Identification of Data". These codes are utilized to identify patent bibliography as recommended by the Permanent Committee on Industrial Property Information (PCIPI) under the administration of the World Intellectual Property Organization (WIPO) based in Geneva, Switzerland.

The INID Codes and their corresponding definitions of bibliographic data elements are as follows:

- [11] - Number of Patent document
- [13] - Kind-of-document code
- [21] - Number assigned to the Application
- [22] - Date of Filing Application or
- [22] - Date of filing of related divisional application
- [25] - Language in which the published application was originally filed
- [30] - Data relating to priority under the Paris Convention

- [41] - Open to Public Inspection Date
- [45] - Date of Issue
- [48] - Correction Date (Re-Issued, Re-Examined)
- [51] - International Classification
- [52] - Domestic Classification
- [54] - Title of Invention
- [60] - Related by Supplementary Disclosure
- [62] - Related by Division
- [64] - Related by Reissue
- [71] - Name(s) of Applicant(s)
- [72] - Name(s) of Inventor(s)
- [73] - Name(s) of Grantee(s)
- [85] - National Entry Date
- [86] - PCT International Filing Data
- [87] - PCT International Publication data

1. Dates et chiffres de code figurant à l'entête des brevets

Dates

Toutes dates figurant aux entêtes des brevets de cette publication suivent la forme recommandée par l'Organisation des normes internationales. Les quatre chiffres de gauche représentent les années et sont suivis, vers la droite, de deux autres chiffres chacun, pour les mois et les jours. Le 2 janvier 1999, par exemple, sera représenté par 1999-01-02.

Chiffres de code

Les chiffres à l'intérieur des parenthèses aux entêtes des brevets sont des codes INID. Le sigle « INID » signifie « Identification numérique internationale des données bibliographiques ». Ces codes sont utilisés pour l'identification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCIPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), sise à Genève, Suisse.

Les codes INID accompagnés des définitions des données bibliographiques correspondantes sont comme suit :

- [11] - Numéro du brevet
- [13] - Désignation du type de document
- [21] - Numéro attribué à la demande
- [22] - Date du dépôt de la demande ou
- [22] - Date du dépôt de la demande divisionnaire apparentée
- [25] - Langue dans laquelle la demande publiée a été initialement déposée
- [30] - Données relatives à la priorité selon la Convention de Paris

- [41] - Date de mise à la disponibilité du public
- [45] - Date de délivrance
- [48] - Date de correction (Redélivrance, Réexamen)
- [51] - Classification internationale
- [52] - Classification nationale
- [54] - Titre de l'invention
- [60] - Apparenté par divulgation supplémentaire
- [62] - Apparenté par division
- [64] - Apparenté par redélivrance
- [71] - Nom(s) du (des) demandeur(s)
- [72] - Nom(s) de(s) l'inventeur(s)
- [73] - Nom(s) du (des) titulaire(s)
- [85] - Date d'entrée en phase nationale
- [86] - Données du dépôt international selon le PCT
- [87] - Données de publication internationale selon le PCT

2. Country Code

The Country Codes appearing in this publication conform to those contained in annex A of the *Handbook on Industrial Property Information and Documentation* published by the World Intellectual Property Organization (WIPO). This document is accessible from a link entitled Standards ST-3 on the List of WIPO Standards, Recommendations and Guidelines (Abbreviated Titles) located on the WIPO Web site: (www.wipo.int/scit/en/standards/standards.htm).

3. How to Purchase Paper Copies of Canadian Patents and Canadian Applications Open to Public Inspection

Paper copies of all other Canadian Patents and Canadian applications open to public inspection may be purchased at the cost of \$1 per page by visiting (www.strategis.ic.gc.ca/patentsorder) or by writing to the Commissioner of Patents, Ottawa-Gatineau, K1A 0C9.

Item 25.1* On requesting copy in electronic form of a document:	N/A
a) for each request	\$10
b) plus, for each patent or application to which the request relates	\$10
c) plus, if the copy is requested on a physical medium, for each physical medium requested in addition to the first	\$10
d) plus, for each additional 10 megabytes or part of them exceeding 7 megabytes	\$10

4. Orders for Patents by Class or Sub-Class

A listing of all patents that have issued in each class or sub-class including both patents in force and expired patents, may be ordered at a price of \$1 per page from the Patent Office.

2. Code des pays

Les Codes des pays qui se trouvent dans cette publication sont conformes à ceux dans l'annexe A du *Manuel sur l'information et la documentation en matière de propriété industrielle* publié par l'Organisation Mondiale de la Propriété Intellectuelle (OMPI). Ce document est accessible à partir de l'hyperlien intitulé Normes ST-3 dans la Liste des normes, recommandations et principes directeurs de l'OMPI (Titres abrégés) qui se trouve au site Web de l'OMPI: (www.wipo.int/scit/fr/standards/standards.htm).

3. Comment acheter des copies sur papier de brevets canadiens et de demandes canadiennes mises à la disponibilité du public

Les copies sur papier de tous les autres brevets canadiens et des demandes canadiennes mises à la disponibilité du public peuvent être achetées au coût de 1 \$ par page en visitant notre site Web (www.strategis.ic.gc.ca/brevetscommande) ou en écrivant au Commissaire aux brevets, Ottawa-Gatineau, K1A 0C9.

Article 25.1* Demande d'une copie d'un document sous forme électronique :	S.O.
a) pour chaque demande	10 \$
b) pour chaque demande de brevet ou brevet visé par la demande	10 \$
c) dans le cas où le document doit être copié sur plus d'un support matériel, pour chaque support matériel additionnel	10 \$
d) pour chaque tranche de 10 méga-octets qui excède 7 méga-octets, l'excédant étant arrondi au multiple supérieur	10 \$

4. Commande de brevets par classe ou sous-classe

Les listes de brevets délivrés dans chaque classe ou sous-classe, incluant les brevets en vigueur et ceux ayant expiré, peuvent être commandées auprès du Bureau des brevets au prix de 1 \$ la page.

5. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit upon request from the Commissioner of Patents, Ottawa-Gatineau, Canada K1A 0C9. It is recommended that applicants make use of the services of a registered Patent Agent. A list of Patent Agents in any area of Canada will also be supplied upon request.

6. Licensing of Patents

Voluntary Licences

Persons desiring to use, make or sell an invention patented in Canada should negotiate terms with the patent owner. The address of the patentee may be obtained by writing to the Commissioner of Patents, Ottawa-Gatineau, Canada, K1A 0C9. If a voluntary licence cannot be arranged, a compulsory licence may be possible.

Compulsory Licences

Three years after a patent has been granted, one may request a compulsory licence to use the patent if there has been an abuse of the exclusive right. See Sections 65 to 71 of the *Patent Act*. Applications for a compulsory licence are made to the Commissioner of Patents.

7. Patents Available for Licence or Sale

An asterisk (*) placed beside any patent listed in this issue of the *Canadian Patent Office Record* indicates that as of the date of grant the said patent is available for licence or sale. These and other patents now made available for licensing are included in the listing in part 8 of these notices.

8. List of Patents Available for Licence or Sale

The following Canadian patents have been made available this week for sale or licensing:

2,706,688
2,874,181

5. Conseils relatifs à la préparation de demandes de brevets

Toute personne qui a l'intention de déposer une demande de brevet peut obtenir une trousse d'information sur demande faite au Commissaire aux brevets, Ottawa-Gatineau, Canada K1A 0C9. On recommande aux demandeurs d'avoir recours aux services d'un agent de brevets inscrit au registre. Une liste des agents de brevets dans n'importe quelle région du Canada sera également fournie sur demande.

6. Octroi de licences en vertu des brevets

Licences librement accordées

Les personnes désirant utiliser, fabriquer ou vendre une invention brevetée au Canada doivent en négocier les conditions avec le titulaire du brevet. L'adresse du titulaire peut être obtenue en écrivant au Commissaire aux brevets, Ottawa-Gatineau, Canada, K1A 0C9. S'il est impossible d'obtenir une licence résultant d'un libre accord, il est peut être possible d'obtenir une licence obligatoire.

Licences obligatoires

Il est possible de faire la demande d'une licence obligatoire trois ans après l'octroi d'un brevet si les droits exclusifs qui en dérivent ont donné lieu à un abus. Voir les articles 65 à 71 de la *Loi sur les brevets*. Les demandes de licence obligatoire doivent être présentées au Commissaire aux brevets.

7. Brevets disponibles pour licence ou vente

Un astérisque (*) marqué à côté de tout brevet inscrit dans le présent numéro de la *Gazette du bureau des brevets*, signale qu'à compter de la date de la présente publication, ledit brevet est disponible pour octroi de licence ou vente. Une liste de ces brevets et d'autres mis en disponibilité pour octroi de licence, est publiée au no. 8 des présents avis.

8. Liste des brevets disponibles pour octroi de licence ou vente

Les brevets canadiens suivants ont été mis en disponibilité cette semaine pour vente ou octroi de licence :

2,706,688
2,874,181

9. Applications Open to Public Inspection

All patent applications filed since October 1, 1989 and documents filed in connection therewith are open to public inspection at the Patent Office after the expiration of a confidentiality period of eighteen months beginning on the filing date of the application, or where a request for priority has been made in respect to the application, beginning on the priority date claimed. An application may become open to public inspection sooner at the request or with the approval of the applicant (Section 10(2) of the *Patent Act*). However, an application shall not be open for public inspection if it is withdrawn within the time set out in Section 92 of the *Patent Rules*. This time limit is two months before the expiry of the confidentiality period or where the Commissioner is able to stop technical preparations to open the application to the public at a subsequent date.

10. Language of Published Documents

When ordering a published patent, please note that the language of the document can be identified by the language code (INID [25]) EN (English) or FR (French).

11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After February 19, 2019

1. Transmittal Fee (Rule 14)	\$300
2. International Filing Fee	\$1730*
For each additional sheet over 30	\$20
3. International Search Fee	\$1600

The above mentioned fees are due at time of filing of the international application, or within one month from the international filing date (date of receipt of the international application by the receiving office). These fees are to be paid in Canadian dollars and cheques should be made payable to the Receiver General for Canada.

If the fees are not paid within one month from the international filing date, the receiving office shall invite the applicant to pay the amount required, together with a late payment fee under

9. Demandes mises à la disponibilité du public

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposés au Bureau des brevets depuis le 1er octobre 1989, peuvent y être consultées après l'expiration de la période de confidentialité de dix-huit mois à compter de la date de dépôt de la demande de brevet ou, si une demande de priorité a été présentée à l'égard de celle-ci, de la date de dépôt sur laquelle la demande de priorité est fondée. Une demande de brevet peut être consultée avant l'expiration de la période, à la requête ou sur autorisation du demandeur (article 10(2) de la *Loi sur les brevets*). Toutefois, une demande de brevet ne pourra être consultée si celle-ci est retirée à l'intérieur du délai prévu à l'article 92 des *Règles sur les brevets*. Le délai prévu est de deux mois précédant la date d'expiration de la période de confidentialité ou, lorsque le commissaire est en mesure, à une date ultérieure, d'arrêter les préparatifs techniques en vue de la consultation de cette demande.

10. Langue du document publié

Toute personne intéressée à obtenir une copie d'un brevet publié doit prendre note que les codes suivants EN (Anglais) ou FR (Français) représentent (INID [25]) la langue de la copie du brevet publié.

11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 19 février 2019

1. Taxe de transmission (Règle 14)	300 \$
2. Taxe de dépôt internationale	1730 \$*
Pour chaque feuille au delà de 30	20 \$
3. Taxe de recherche internationale	1600 \$

Les taxes mentionnées ci-haut sont payables au moment du dépôt de la demande internationale, ou dans un délai d'un mois à compter de la date de dépôt international, (soit la date de réception de la demande internationale par l'office récepteur). Les taxes doivent être payées en dollars canadiens et les chèques sont payables au receveur général du Canada.

Si les taxes n'ont pas été payées dans un délai d'un mois à compter de la date de dépôt international, l'office récepteur invitera le demandeur à payer le montant dû, accompagné de la

Notices

Rule 16bis.2, within one month from the date of the invitation. Failure to pay the fees will result in the withdrawal of the application by the receiving office.

4. Late payment fee

**50% of the fees that are due, or,
Minimum: Transmittal fee
Maximum: 50% of the international filing fee**

Preliminary Examination

5. Handling fee (Rule 57.2(a)) \$260

6. Preliminary examination fee (Rule 58) \$800

* International fees will be reduced by:

- **\$260** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **\$390** for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

12. PCT Notices

Patent Cooperation Treaty (PCT)

Copies of the *Patent Cooperation Treaty Applicants Guide* and the *Patent Cooperation Treaty & Regulations* are available from WIPO - World Intellectual Property Organization at a cost of 200 Swiss Francs and 18 Swiss Francs, respectively.

Those wishing for further information including prices for both previous and current subscriptions should contact WIPO at:

Information Products Section
Post Office Box 18
1211 Geneva 20 Switzerland
Telephone (011 41 22) 338-9618
Facsimile (011 41 22) 740-1812

or by "E-mail" (publications.mail@wipo.int) or visit their Web site (www.wipo.int).

taxe pour le paiement tardif visée à la règle 16bis.2, dans un délai d'un mois à compter de l'invitation. Si vous omettez de payer les taxes, l'office récepteur retirera votre demande.

4. Taxe pour paiement tardif

**50% du montant impayé, ou,
Minimum : taxe de transmission
Maximum : 50% de la taxe de dépôt international**

Examen préliminaire

5. Taxe de traitement (Règle 57.2a) 260 \$

6. Taxe d'examen préliminaire (Règle 58) 800 \$

* Les frais seront réduits de:

- **260 \$** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **390 \$** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

Des copies du *Guide du déposant du PCT* ainsi que du *Traité et des Règlements* sont disponibles auprès de l'OMPI - Organisation mondiale de la propriété intellectuelle au coût de 200 francs suisses et 18 francs suisses, respectivement.

Les personnes qui désirent obtenir de plus amples renseignements, notamment sur le prix des abonnements antérieurs et courants, sont priées de s'adresser directement à :

l'OMPI à la Section des produits d'information
Boîte postale 18
1211 Genève 20 Suisse
Téléphone (011 41 22) 338-9618
Télécopieur (011 41 22) 740-1812

ou par courriel (publications.mail@wipo.int) ou visiter leur site Web (www.wipo.int).

13. Practice Notice

LIMITED PARTNERSHIPS CAN BE ENTERED ON THE REGISTER OF AGENTS AND ON THE LIST OF TRADE-MARK AGENTS

Note: *This practice notice is intended to provide guidance on current Patent and Trade-marks Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

The Patent Office and the Trade-marks Office (hereinafter jointly referred to as “the Offices”) have been receiving inquiries as to whether limited partnerships are entitled to act as patent and trade-mark agents before the Offices.

With respect to the register of patent agents, section 15 of the *Patent Act* provides that a register of patent agents shall be kept in the Patent Office on which shall be entered the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for patents or in other business before the Patent Office. Section 2 of the *Patent Rules* stipulates that the expression “patent agent” means any person or firm whose name is entered on the register of patent agents pursuant to section 15. Paragraph 15(c) of the *Patent Rules* provides that the Commissioner shall enter on the register of patent agents, on payment of the fee set out in item 33 of Schedule II, the name of **any firm, if the name of at least one member of the firm is entered on the register.**

With respect to the list of trade-mark agents, subsection 28(2) of the *Trade-marks Act* provides that the list of trade-mark agents shall include the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for the registration of a trade-mark or in other business before the Trade-marks Office. Paragraph 21(d) of the *Trade-mark Regulations* (1996) stipulates that the Registrar shall, on written request and payment of the fee set out in item 19 of the schedule, enter on a list of trade-mark agents the name of **any firm having the name of at least one of its members entered on the list as a trade-mark agent.**

Both the patent and trade-mark legislation therefore provide that firms may act as agents before the Offices, as long as one of their members is entered on the register or list of agents. It is generally recognised that the term “firm” includes partnerships, and the Offices have already allowed general partnerships and limited liability partnerships to be entered on the register or list of agents. The Offices consider that limited partnerships are also firms, and that they are entitled to act as agents before the

13. Énoncé de pratique

LES SOCIÉTÉS EN COMMANDITE PEUVENT ÊTRE INSCRITES AU REGISTRE DES AGENTS DE BREVETS ET SUR LA LISTE DES AGENTS DE MARQUES DE COMMERCE

Nota : *Le présent énoncé de pratique a pour but de préciser les pratiques actuelles du Bureau des brevets et du Bureau des marques de commerce et l'interprétation faite par ces derniers de certaines dispositions législatives. Toutefois, en cas de divergence entre le présent énoncé et la législation applicable, c'est la législation qui prévaudra.*

Le Bureau des brevets et le Bureau des marques de commerce (ci-après appelés conjointement « les Bureaux ») ont reçu des questions à savoir si les sociétés en commandite (en anglais « limited partnerships ») ont le droit d'agir en tant qu'agents de brevets et de marques de commerce auprès des Bureaux.

En ce qui concerne le registre des agents de brevets, l'article 15 de la *Loi sur les brevets* prévoit qu'un registre des agents de brevets est tenu au Bureau des brevets sur lequel sont inscrits les noms de toutes les personnes et entreprises ayant le droit de représenter les demandeurs dans la présentation et la poursuite des demandes de brevet ou dans toute autre affaire devant le Bureau des brevets. Aux termes de l'article 2 des *Règles sur les brevets*, « agent de brevets » s'entend de toute personne ou maison d'affaires dont le nom est inscrit au registre des agents de brevets aux termes de l'article 15. L'alinéa 15c) des *Règles sur les brevets* prévoit que le commissaire inscrit au registre des agents de brevets, moyennant paiement de la taxe prévue à l'article 33 de l'annexe II, le nom de **toute maison d'affaires dont le nom d'au moins un membre est inscrit au registre des agents de brevets.**

En ce qui concerne la liste des agents de marques de commerce, le paragraphe 28(2) de la *Loi sur les marques de commerce* prévoit que la liste des agents de marques de commerce comporte les noms des personnes et études habilitées à représenter les intéressés dans la présentation et la poursuite des demandes d'enregistrement des marques de commerce et de toute affaire devant le Bureau des marques de commerce. Aux termes de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996), le registraire, sur demande écrite et sur paiement du droit prévu à l'article 19 de l'annexe, inscrit sur la liste des agents de marques de commerce le nom de **toute firme dont le nom d'au moins un membre est inscrit sur la liste à titre d'agent de marques de commerce.**

La législation actuelle sur les brevets et celle sur les marques de commerce prévoient donc que des firmes peuvent agir en tant qu'agents auprès des Bureaux, à condition que l'un de leurs membres soit inscrit au registre ou à la liste des agents. Il est généralement admis que le terme « firme » inclut les sociétés (en anglais « partnerships ») et les Bureaux ont déjà autorisé des sociétés en nom collectif (en anglais « general partnerships ») ainsi que des sociétés à responsabilité limitée

Notices

Offices.

(en anglais « limited liability partnerships ») à être inscrites au registre ou à la liste des agents. Les Bureaux considèrent que les sociétés en commandite sont aussi des firmes et qu'elles ont le droit d'agir en tant qu'agents auprès des Bureaux.

Therefore, commencing immediately, the Offices will enter upon request, on the register or list of agents, limited partnerships that otherwise meet the requirements set out in the patent and trade-mark legislation.

En conséquence, sur demande, les Bureaux inscriront désormais au registre, ou à la liste des agents, les sociétés en commandite qui répondent aux exigences de la *Loi sur les brevets et de la Loi sur les marques de commerce*.

The Offices, however, continue to consider that the current patent and trade-mark legislation do not allow corporations to be entered on the register or list of agents, since corporations do not have members and therefore cannot meet the requirements set out in paragraph 15(c) of the *Patent Rules* and paragraph 21(d) of the *Trade-mark Regulations* (1996).

Les Bureaux continuent toutefois de considérer que la législation actuelle sur les brevets et les marques de commerce ne permet pas aux compagnies (en anglais « corporations ») d'être inscrites au registre ou à la liste des agents, étant donné que les compagnies n'ont pas de membres et ne peuvent donc pas satisfaire aux exigences de l'alinéa 15c) des *Règles sur les brevets* et de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996).

14. Correspondence Procedures

The correspondence procedures and the related practice for written communications to the Commissioner of Patents and the Patent Office under the Patent Act and the Patent Rules is outlined in Chapter 2 of the Manual of Patent Office Practice (MOPOP).

Web Link for MOPOP:

http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/h_wr00720.html

The correspondence procedures and the related practice of written communications with respect to Trademarks and to Industrial Design can be found in the Practice Notice entitled [*Correspondence Procedures*](#), available on CIPO's website.

CIPO Web Link for correspondence procedures pertaining to Trademarks and Industrial Design:

<https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/wr00633.html>

Publication date: May 10, 2017

Amendment date: June 17, 2019

On this page:

1. Physical Delivery of Correspondence and Written Communications to CIPO
2. Electronic Correspondence
3. Details Concerning the Electronic Formats Accepted
4. General Information
5. Time Period Extensions
6. Procedures in Case of an Unexpected Office Closure at CIPO

14. Procédures de correspondance

Les procédures de correspondance et les pratiques connexes de communication écrite au commissaire aux brevets ou au Bureau des brevets en vertu de la Loi sur les brevets et des Règles sur les brevets seront exposées dans le chapitre 2 du Recueil des pratiques du Bureau des brevets (RPBB).

Lien Web pour le RPBB :

http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/h_wr00720.html

Les procédures de correspondance et les pratiques connexes de communication écrite concernant les marques de commerce et les dessins industriels se trouvent dans le document intitulé [*Procédures de correspondance*](#), consultable sur le site Web de l'OPIC.

Lien Web de l'OPIC pour les procédures de correspondance relatives aux marques de commerce et aux dessins industriels :

<https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/wr00633.html>

Date de publication : 10 mai 2017

Date de modification : 17 juin 2019

Sur cette page :

1. Remise physique de correspondance et communications écrites à l'OPIC.
2. Correspondance électronique
3. Précisions concernant les formats électroniques acceptés
4. Renseignements généraux
5. Prorogation des délais
6. Procédures en cas de fermeture imprévue des bureaux de l'OPIC

Avis

7. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office
8. Intellectual Property Acts, Rules and Regulation

7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec l'Office
8. Lois, règles et règlements sur la propriété intellectuelle

This notice is intended to clarify the practice of the Canadian Intellectual Property Office with respect to correspondence procedures and written communications and replaces all previous notices.

Le présent énoncé de pratique a pour but de préciser la pratique de l'Office de la propriété intellectuelle du Canada relativement aux procédures de correspondance et de communications écrites et remplace tout avis antérieur.

1. Physical Delivery of Correspondence and Written Communications to CIPO

For the purposes of sections 5 and 54 of the Patent Rules, subsection 10(1) of the Trademarks Regulations, section 2 of the Copyright Regulations, section 4 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography Regulations, the address of the Patent Office, the Office of the Registrar of Trademarks, the Copyright Office, the Industrial Design Office, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

Canadian Intellectual Property Office
Place du Portage I
50 Victoria Street, Room C-114
Gatineau QC K1A 0C9

In accordance with subsections 5(2), 5(3), 54(1) and 54(2) of the Patent Rules, subsection 10(2) of the Trademarks Regulations, subsections 2(2) and (3) of the Copyright Regulations, subsection 5(1) of the Industrial Design Regulations and subsections 3(2) and (3) of the Integrated Circuit Topography Regulations, correspondence and written communications delivered to the above address between 8:30 a.m. to 4:30 p.m. (Eastern Time) Monday to Friday is deemed to have been received on the actual date of their delivery if they are delivered when CIPO is open to the public.

Correspondence delivered at a time when CIPO is closed to the public will be deemed or considered to have been received on the day on which CIPO is next open to the public.

Please be advised that once correspondence is received by CIPO it cannot be returned to the sender, even if the sender states that the correspondence was sent by mistake. Exceptionally, in cases where correspondence is related to a patent application that does not meet the requirements under subsection 27.1(1) of the Patent Act for obtaining a filing date, the documents will be returned to the sender.

The Fee Payment Form should always be submitted as a covering document and should be the only document submitted

1. Remise physique de correspondance et communications écrites à l'OPIC

Pour l'application des articles 5 et 54 des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, de l'article 2 du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et de l'article 3 du Règlement sur les topographies de circuits intégrés, l'adresse du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, du Bureau des dessins industriels, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC ») est la suivante :

Office de la propriété intellectuelle du Canada
Place du Portage I
50, rue Victoria, pièce C-114
Gatineau (Québec) K1A 0C9

Conformément aux paragraphes 5(2), 5(3), 54(1) et 54(2) des Règles sur les brevets, du paragraphe 10(2) du Règlement sur les marques de commerce, des paragraphes 2(2) et (3) du Règlement sur le droit d'auteur, du paragraphe 5(1) du Règlement sur les dessins industriels et des paragraphes 3(2) et (3) du Règlement sur les topographies de circuits intégrés, la correspondance et les communications écrites ayant été remises à l'adresse ci-dessus entre 8h30 et 16h30 (Heure de l'Est) du lundi au vendredi seront réputées avoir été reçues le jour de leur remise, si elles sont remises alors que l'OPIC est ouvert au public.

La correspondance remise lorsque les bureaux de l'OPIC sont fermés au public sera réputée avoir été reçue le jour de la réouverture de l'OPIC au public.

Veuillez prendre note qu'une fois que l'OPIC reçoit de la correspondance, celle-ci ne peut pas être retournée à l'expéditeur, même si l'expéditeur indique que la correspondance a été envoyée par erreur. Exceptionnellement, dans le cas où la correspondance vise une demande de brevet qui ne rencontre pas les exigences du paragraphe 27.1(1) de la Loi sur les brevets pour l'obtention d'une date de dépôt, les documents seront retournés à l'expéditeur.

Le formulaire de paiements des frais devrait toujours être

Notices

to CIPO that contains financial information, such as credit card numbers.

Download the [Fee Payment Form](#).

1.1 Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 10(1) of the Trademarks Regulations, subsection 2(4) of the Copyright Regulations, section 4 of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be delivered **in person**. Please note that documents, payments and payment instructions delivered to the addresses listed below **must be enclosed in a sealed envelope** and that **no in person payment transactions** are processed on site. The ordinary business hours for each designated establishment are listed below.

- Innovation, Science and Economic Development
Canada
C.D. Howe Building
235 Queen Street, Room S-143
Ottawa ON K1A 0H5
Tel.: 343-291-3436

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,
except statutory holidays

- Innovation, Science and Economic Development
Canada
Sun Life Building
1155 Metcalfe Street, Room 950
Montreal QC H3B 2V6
Tel.: 514-496-1797
Toll-free: 1-888-237-3037

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,
except statutory holidays

- Innovation, Science and Economic Development
Canada
151 Yonge Street, 4th Floor
Toronto ON M5C 2W7
Tel.: 416-973-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,

fourni comme page couverture et devrait être le seul document soumis à l'OPIIC contenant de l'information financière telle que les numéros de carte de crédit.

Téléchargez le [formulaire de paiement des frais](#).

1.1 Établissements désignés

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise **en personne** aux établissements ou bureaux désignés suivants. Veuillez prendre note que les documents, paiements et instructions de paiements remis aux adresses énumérées ci-dessous doivent être **inclus dans une enveloppe scellée** et qu'**aucune transaction de paiement en personne** n'est traitée sur place. Les heures normales d'ouverture pour chaque établissement désigné sont indiquées ci-dessous.

- Innovation, Sciences et Développement économique
Canada
Édifice C.D. Howe
235, rue Queen, pièce S-143
Ottawa (Ontario) K1A 0H5
Tél. : 343-291-3436

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à
l'exception des jours fériés

- Innovation, Sciences et Développement économique
Canada
Édifice Sun Life
1155, rue Metcalfe, bureau 950
Montréal (Québec) H3B 2V6
Tél. : 514-496-1797
Sans frais : 1-888-237-3037

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à
l'exception des jours fériés

- Innovation, Sciences et Développement économique
Canada
151, rue Yonge, 4e étage
Toronto (Ontario) M5C 2W7
Tél. : 416-973-5000

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à

Avis

except statutory holiday

l'exception des jours fériés

- Innovation, Science and Economic Development
Canada
Canada Place
9700 Jasper Avenue, Suite 725
Edmonton AB T5J 4C3
Tel.: 780-495-4782
Toll-free: 1-800-461-2646

- Innovation, Sciences et Développement économique
Canada
Canada Place
9700, avenue Jasper, pièce 725
Edmonton (Alberta) T5J 4C3
Tél. : 780-495-4782
Sans frais : 1-800-461-2646

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,
except statutory holidays

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à
l'exception des jours fériés

- Innovation, Science and Economic Development
Canada
Library Square
300 West Georgia Street, Suite 2000
Vancouver BC V6B 6E1
Tel.: 604-666-5000

- Innovation, Sciences et Développement économique
Canada
Library Square
300, rue Georgia Ouest, pièce 2000
Vancouver (C.-B.) V6B 6E1
Tél. : 604-666-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,
except statutory holidays

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à
l'exception des jours fériés

In accordance with subsections 5(4), 5(5), 54(3) and 54(4) of the Patent Rules, subsection 10(3) of the Trademarks Regulations, subsections 2(4) and (5) of the Copyright Regulations, subsection 5(2) of the Industrial Design Regulations and subsections 3(4) and (5) of the Integrated Circuit Topography Regulations, correspondence delivered to a designated establishment on a day when CIPO is open to the public will be deemed or considered to be received on the day on which they are delivered to that designated establishment. If CIPO is closed to the public, correspondence will be deemed or considered to be received on the day on which CIPO is next open to the public. For example, if correspondence intended for CIPO is delivered to the designated establishment in Toronto on June 24, it will not be considered to be received on June 24 as CIPO is closed on that day (St-Jean-Baptiste Holiday in Quebec). It will be deemed received on the day on which CIPO is next open to the public.

Conformément aux paragraphes 5(4), 5(5), 54(3) et 54(4) des Règles sur les brevets, au paragraphe 10(3) du Règlement sur les marques de commerce, aux paragraphes 2(4) et (5) du Règlement sur le droit d'auteur, au paragraphe 5(2) du Règlement sur les dessins industriels et aux paragraphes 3(4) et (5) du Règlement sur les topographies de circuits intégrés, la correspondance remise à l'un des établissements désignés susmentionnés lorsque les bureaux de l'OPIC sont ouverts au public sera réputée ou considérée avoir été reçue le jour de leur remise à cet établissement désigné. Si les bureaux de l'OPIC sont fermés au public, la correspondance sera réputée ou considérée avoir été reçue à le jour de la réouverture de l'OPIC au public. Par exemple, la correspondance adressée à l'OPIC remise à l'établissement désigné de Toronto le 24 juin ne sera pas considérée avoir été reçue le 24 juin puisque les bureaux de l'OPIC sont fermés ce jour-là (la Saint-Jean Baptiste est un jour férié au Québec). La correspondance sera alors réputée avoir été reçue le jour de la réouverture des bureaux de l'OPIC au public.

1.2. Registered Mail™ and Xpresspost™ services of Canada Post

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the Registered Mail™ and Xpresspost™ services of Canada Post are designated establishments or designated offices to which

1.2. Services Courrier recommandé^{MC} et Xpresspost^{MC} de Postes Canada

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les services Courrier recommandé^{MC} et Xpresspost^{MC} de Postes Canada sont des établissements ou des

Notices

correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered.

CIPO considers that correspondence delivered through the Registered Mail™ and Xpresspost™ services of Canada Post is received by CIPO on the day indicated on the mailing receipt provided by Canada Post, or if CIPO is closed for business on that day, on the day when CIPO is next open for business.

2. Electronic Correspondence

For the purposes of section 8.1 of the Patent Act, subsection 64(1) of the Trademarks Act, subsection 24.1(1) of the Industrial Design Act and in accordance with subsections 5(6), 54(5), and 68(3) of the Patent Rules, subsection 10(4) of the Trademarks Regulations, subsection 2(6) of the Copyright Regulations, subsection 10(3) of the Industrial Design Regulations, and subsection 3(6) of the Integrated Circuit Topography Regulations, correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be sent by facsimile, online or on an electronic medium only as provided in the current notice.

In accordance with subsection 54(5) of the Patent Rules, the request for national entry is the only correspondence addressed to the Commissioner in respect of an international application that can be submitted online or on an electronic medium with the exception of sequence listings, applications prepared using the PCT-SAFE software or prepared using WIPO's ePCT online service as specified in the current notice. Other correspondence submitted online or on an electronic medium in respect of international applications that have not entered the national phase will not be accepted.

Subsection 10(5) of the Trademarks Regulations specifies certain categories of correspondence to which the provisions of subsection 10(4) do not apply.

Correspondence sent by facsimile or online to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies constitutes the original, therefore a duplicate paper copy should not be forwarded.

Correspondence delivered to the Commissioner of Patents by electronic means of transmission, including facsimile, will be considered to be received on the day that it is transmitted if delivered and received before midnight local time at CIPO on a day when CIPO is open for business. When CIPO is closed for business, correspondence delivered on that day will be considered to be received on the next day on which CIPO is

bureaux désignés auxquels la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise.

L'OPIC considère que la correspondance remise par l'entremise des services Courrier recommandé^{MC} et Xpresspost^{MC} de Postes Canada sont reçus par l'OPIC le jour indiqué sur le reçu de confirmation de Postes Canada, en autant que l'OPIC soit ouvert au public ce jour-là. Si l'OPIC est fermé au public ce jour-là, la correspondance sera réputée ou considérée avoir été reçue le jour de réouverture de l'OPIC au public.

2. Correspondance électronique

Pour l'application de l'article 8.1 de la Loi sur les brevets, du paragraphe 64(1) de la Loi sur les marques de commerce, du paragraphe 24.1(1) de la Loi sur les dessins industriels, et conformément aux paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, au paragraphe 10(4) du Règlement sur les marques de commerce, au paragraphe 2(6) du Règlement sur le droit d'auteur, au paragraphe 10(3) du Règlement sur les dessins industriels et au paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être transmise par télécopieur, en ligne ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent énoncé.

Conformément au paragraphe 54(5) des Règles sur les brevets, la demande d'entrée en phase nationale d'une demande internationale est la seule correspondance adressée au commissaire qui peut être présentée en ligne ou sur support électronique, à l'exception des listages de séquences, des demandes préparées à l'aide du logiciel PCT-SAFE ou préparées à l'aide du service en ligne ePCT de l'OMPI, tel qu'indiqué dans le présent avis. Toute autre correspondance présentée en ligne ou sur support électronique relativement à des demandes internationales qui ne sont pas entrées dans la phase nationale ne sera pas acceptée.

Le paragraphe 10(5) du Règlement sur les marques de commerce prévoit certaines catégories de correspondance auxquelles les dispositions du paragraphe 10(4) ne s'appliquent pas.

La correspondance envoyée par télécopieur ou en ligne au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies constitue une version originale. Par conséquent, un duplicata sur support papier ne devrait pas être expédié.

La correspondance livrée au commissaire aux brevets et reçue par voie électronique, y compris par télécopieur, est considérée comme ayant été reçue à l'OPIC le jour même de sa transmission, si elle est livrée avant minuit, heure locale,

Avis

open for business.

Correspondence delivered to the Registrar of Trademarks or the Industrial Design Office by electronic means of transmission, including facsimile, is deemed to have been received on the day on which CIPO receives it (Eastern Time).

2.1 Facsimile

Black and white facsimile correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be sent to the following facsimile numbers:

(819) 953-CIPO (2476) or (819) 953-OPIC (6742)

Colour facsimile correspondence addressed to the Registrar of Trademarks or the Industrial Design Office **must** be sent to the following facsimile number:

(819) 934-3833

Note that the model of facsimile is a Xerox C505/X and that this information may be needed to ensure a successful colour transmission.

Facsimile correspondence that is sent to any facsimile number other than those indicated above, including those of a designated establishment, will be considered not to have been received.

Evidence submitted by facsimile in respect of an opposition or section 45 proceeding **will not be accepted** due to issues such as the often-poor quality of transmission, the risk of incomplete transmission and the voluminous nature of the documents.

The electronic transmittal report returned to you following your facsimile transmission will constitute your acknowledgment receipt. Confidentiality of the facsimile transmission process cannot be guaranteed. Please note that CIPO strongly discourages the use of a computer facsimile interface or internet-based facsimile services due to technical issues with reception.

When submitting by facsimile a document that also has a fee requirement, notification of the preferred mode of payment to be applied must be prominently displayed on the Fee Payment Form to ensure expedient processing.

lorsque les bureaux de l'OPIC sont ouverts au public. Si elle est transmise un jour où les bureaux de l'OPIC sont fermés au public, elle est considérée comme ayant été reçue à la date du jour d'ouverture suivant de l'OPIC.

La correspondance fournie au registraire des marques de commerce ou transmise au Bureau des dessins industriels par voie électronique, y compris par télécopieur, est réputée avoir été reçue le jour où l'OPIC l'a reçue (Heure de l'Est).

2.1 Correspondance par télécopieur

La correspondance en noir et blanc par télécopieur adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être transmise aux numéros ci-dessous :

819-953-OPIC (6742) ou 819-953-CIPO (2476)

La correspondance en couleur par télécopieur (modèle : Xerox C505/X) adressée au registraire des marques de commerce ou au Bureau des dessins industriels doit être transmise au numéro ci-dessous :

(819) 934-3833

À noter que le modèle de télécopieur est un Xerox C505/X; information qui peut être nécessaire afin de compléter une transmission en couleur.

La correspondance qui est transmise par télécopieur à tout autre numéro de télécopieur que ceux qui sont indiqués ci-dessus, y compris ceux d'établissements désignés, sera considérée comme n'ayant pas été reçue.

Les éléments de preuve présentés par télécopieur dans le cadre d'une procédure d'opposition ou de radiation en vertu de l'article 45 de la Loi **ne seront pas acceptés** en raison des inconvénients reliés à la mauvaise qualité de la transmission, au risque que la transmission soit incomplète et à la nature volumineuse de ces documents.

Le rapport de transmission électronique que vous recevrez après votre transmission par télécopieur constituera votre accusé de réception. La confidentialité du processus de transmission électronique ne peut pas être garantie. Veuillez noter que l'OPIC décourage fortement l'utilisation d'une interface de télécopie par ordinateur ou de services de télécopie par le biais d'internet étant donné les problèmes techniques probables avec la réception.

Lors de la transmission par télécopieur d'un document comprenant une demande d'acquiescement de droit ou taxe, il faut clairement indiquer le mode de paiement préféré sur le formulaire de paiements des frais afin d'assurer un traitement rapide.

Notices

Patents

The document presentation requirements set out in sections 69 and 70 of the Patent Rules apply to facsimile correspondence.

2.2 Online

Correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent electronically using the relevant links below.

Patents

For the purpose of subsection 5(6) of the Patent Rules, correspondence addressed to the Commissioner may be sent electronically by accessing the following pages:

- [filing an application](#) (regular application);
- [filing a request for national entry](#);
- [filing an international application](#) (PCT Safe or ePCT);
- [general correspondence relating to applications and patents](#);
- [maintaining the name of a patent agent on the register of patent agents](#); and
- [ordering copies in paper, or electronic form of a document](#).

Canada as Receiving Office Under the PCT: PCT-SAFE

Pursuant to PCT Rule 89bis, CIPO, in its role as a receiving Office, accepts the electronic filing of an international application prepared using the latest version of the WIPO's PCT-Safe software and applications prepared using WIPO's ePCT online service. Filing in both cases must be done using CIPO's International Filing e-service, called [PCT E-Filing](#).

Note: Correspondence related to PCT international applications can not be sent electronically to CIPO. Correspondence may be sent by mail, by facsimile or delivered by hand to CIPO or to a [designated establishment](#).

Trademarks

For the purpose of subsection 10(4) of the Trademarks Regulations, the following correspondence addressed to the Registrar of Trademarks may be sent electronically by

Brevets

Les exigences relatives à la présentation des documents énoncées aux articles 69 et 70 des Règles sur les brevets s'appliquent à la correspondance par télécopieur.

2.2 En ligne

La correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par voie électronique.

Brevets

Pour l'application du paragraphe 5(6) des Règles sur les brevets, la correspondance adressée au commissaire peut être envoyée par voie électronique, notamment en accédant aux pages suivantes :

- [déposer une demande](#) (demande régulière);
- [déposer une demande d'entrée dans la phase nationale](#);
- [déposer une demande internationale](#) (PCT Safe ou ePCT);
- [correspondance générale concernant des demandes et des brevets](#);
- [maintien du nom d'un agent de brevets dans le registre des agents de brevets](#);
- [commande de copies papier ou d'un document sous forme électronique](#).

Le Canada comme office récepteur au titre du PCT : PCT-SAFE et ePCT

Conformément à la Règle 89bis du PCT, l'OPIC, à titre d'office récepteur, accepte le dépôt d'une demande internationale préparée à l'aide de la plus récente version du logiciel PCT-SAFE de l'OMPI, et d'une demande préparée à l'aide du service en ligne ePCT de l'OMPI. Dans les deux cas, le dépôt doit se faire à l'aide du service électronique de dépôt de demandes internationales de l'OPIC, appelé [Dépôt en ligne de demandes PCT](#).

Note: La correspondance liée aux demandes internationales PCT ne peut être envoyée par voie électronique à l'OPIC. La correspondance peut être envoyée par courrier, par télécopieur ou remis en mains à l'OPIC ou à un [établissement désigné](#).

Marques de commerce

Pour l'application du paragraphe 10(4) du Règlement sur les marques de commerce, la correspondance adressée au registraire des marques de commerce peut être envoyés par voie électronique, notamment en accédant aux pages suivantes

Avis

accessing the following pages:

- [filing a new or revised trademark application](#);
- [renewal of a trademark registration](#);
- [request to enter a name on the list of trademark agents](#);
- [annual renewal of a trademark agent](#);
- [requesting copies of trademark documents](#);
- [registration of a trademark application](#);

For the purpose of subsection 10(4) of the Trademarks Regulations, correspondence addressed to the Registrar of Trademarks in the context of opposition and section 45 proceedings may be sent electronically by accessing the [Trademarks Opposition Board's online web application](#):

Opposition proceedings before the Trademarks Opposition Board

- filing a statement of opposition;
- filing of a counter statement;
- submission of the opponent's evidence, or statement;
- submission of the applicant's evidence, or statement;
- submission of the opponent's reply evidence;
- submission of the opponent's written representations, or statement;
- submission of the applicant's written representations, or statement;
- filing a request for a hearing; and
- requesting an extension of time.

Section 45 proceedings before the Trademarks Opposition Board

- filing a request for a section 45 notice;
- submission of the registered owner's evidence;
- submission of the requesting party's written representations, or statement;
- submission of the registered owner's written representations, or statement;
- filing a request for a hearing; and
- requesting an extension of time.

Copyright

:

- [nouvelle demande ou demande modifiée d'enregistrement de marque de commerce](#);
- [renouvellement de l'enregistrement d'une marque de commerce](#);
- [demande d'inscription d'un nom à la liste des agents de marques de commerce](#);
- [renouvellement annuel d'un agent de marques de commerce](#);
- [commande de copies de documents de marques de commerce](#);
- [l'enregistrement d'une marque de commerce](#)

Pour l'application du paragraphe 10(4) du Règlement sur les marques de commerce, la correspondance adressée au registraire des marques de commerce dans le cadre des procédures d'opposition ou de radiation en vertu de l'article 45 peut être envoyée par voie électronique en accédant à [l'application web en ligne de la Commission des oppositions des marques de commerce](#).

Procédures d'opposition devant la Commission des oppositions des marques de commerce

- production d'une déclaration d'opposition;
- Production d'une contre-déclaration d'opposition;
- Production de la preuve de l'opposant, ou d'une déclaration;
- Production de la preuve du requérant, ou d'une déclaration;
- Production de la contre-preuve de l'opposant;
- Production des arguments écrits de l'opposant, ou déclarations;
- Soumission des arguments écrits du requérant, ou déclarations;
- Produire une demande pour une audience; et
- demande de prolongation de délai.

Procédures en vertu de l'article 45 devant la Commission des oppositions des marques de commerce

- Production d'une demande pour un avis en vertu de l'article 45;
- Production de la preuve du propriétaire inscrit;
- Production des arguments écrits de la demanderesse, ou déclaration;
- Production des arguments écrits du propriétaire inscrit, ou déclaration;
- Produire une demande pour une audience; et
- Demande de prolongation de délai.

Droits d'auteur

Notices

For the purpose of subsection 2(6) of the Copyright Regulations, the following correspondence addressed to the Copyright Office may be sent electronically, by accessing the following pages:

- [application for registration of a copyright in a work](#),
- [application for registration of a copyright in a performer's performance, sound recording or a communication signal](#);
- [filing a grant of interest](#);
- [request for certificate of correction](#);
- [ordering copies in paper, or electronic form of a document](#); and
- [general correspondence relating to copyright](#).

Industrial Designs

For the purpose of subsection 24.1(1) of the Industrial Design Act, the following correspondence addressed to the Industrial Design Office may be sent electronically, by accessing the following pages:

- [application for registration of an industrial design](#);
- [ordering copies in paper, or electronic form of a document](#);
- [general correspondence relating to industrial designs](#); and
- [payment of industrial design maintenance fees](#).

Integrated Circuit Topographies

For the purpose of subsection 3(6) of the Integrated Circuit Topography Regulations, the following correspondence addressed to the Registrar of Topographies may be sent electronically, by accessing the following page:

- [general correspondence relating to integrated circuit topographies](#).

2.3 Electronic medium

Note: all electronic media must be free of worms, viruses or other malicious content. Files with malicious content will be deleted.

Pour l'application du paragraphe 2(6) du Règlement sur le droit d'auteur, la correspondance indiquée ci-dessous qui est adressée au Bureau du droit d'auteur peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- [demande d'enregistrement d'un droit d'auteur sur une œuvre](#),
- [demande d'enregistrement d'un droit d'auteur sur une prestation, un enregistrement sonore ou un signal de communication](#);
- [dépôt d'une concession d'intérêt](#);
- [demande de certificat de correction](#);
- [commande de copies des documents papier ou électroniques](#) et
- [correspondance générale relative aux droits d'auteur](#).

Dessins industriels

Pour l'application du paragraphe 24.1(1) de la Loi sur les dessins industriels, la correspondance indiquée ci-dessous qui est adressée au Bureau des dessins industriels peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- [demande d'enregistrement d'un dessin industriel](#);
- [commande de copies de documents papier ou électroniques](#);
- [correspondance générale relative aux dessins industriels](#); et
- [paiement des droits de maintien des dessins industriels](#).

Topographies de circuits intégrés

Pour l'application du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance indiquée ci-dessous qui est adressée au registraire des topographies peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- [correspondance générale relative aux topographies de circuits intégrés](#).

2.3 Supports électroniques

Note : Les supports électroniques doivent être exempts de ver informatique, de virus, ou de tout autre contenu malveillant. Les fichiers qui comprennent du contenu malveillant seront supprimés.

Brevets

Patents

The Patent Office will accept correspondence on various types of electronic medium as specified below. The electronic medium should contain a table of contents and be provided with a cover letter, which will be date stamped by CIPO and placed in the application file. Filing date requirements prescribed in the Patent Rules still remain.

When submitted on an electronic medium, the parts of the application must be logically broken down in files, which are no larger than 25 megabytes.

With regards to sequence listings under Rule 111 of the Patent Rules, the electronic medium must be separate from any electronic medium which may be filed containing parts of the application itself or amendment(s) thereof.

Canada as Receiving Office Under the PCT: Electronic Filing of Sequence Listings

Pursuant to PCT Rules 89bis and 89ter, and in accordance with Part 7 of the PCT Administrative Instructions, where an international application contains disclosure of one or more nucleotide and/or amino acid sequence listings, CIPO, in its role as a receiving Office, accepts that the sequence listing part of the description and/or any table related to the sequence listing(s) be filed, at the option of the applicant:

- i. only on an electronic medium in electronic form in accordance with section 702 of Part 7 of the PCT Administrative Instructions; or
- ii. both on an electronic medium in electronic form and on paper in accordance with section 702 of Part 7 of the PCT Administrative Instructions;

provided that the other elements of the international application are filed as otherwise provided for under the PCT.

The sequence listing part of an international application filed in electronic form and related tables filed in electronic form shall comply with the relevant provisions of Annex C and C-bis of the PCT Administrative Instructions respectively.

For this purpose the Canadian receiving Office will accept any electronic media specified in Annex F of the PCT Administrative Instructions. Where both the sequence listing and the tables are filed in electronic form, the listing and the tables shall be contained on separate electronic media, which shall contain no other programs or files.

For the purpose of processing the international application, the Canadian receiving Office requires two (2) additional copies of

Le Bureau des brevets acceptera la correspondance transmise à l'aide de divers supports électroniques, tel qu'indiqué ci-dessous. Le support électronique devrait contenir une table des matières et être accompagné d'une lettre explicative, laquelle sera datée par l'OPIC et placée dans le dossier de la demande. Les exigences relatives à la date de dépôt énoncées dans les Règles sur les brevets resteront applicables.

Les parties d'une demande qui sont présentées sur support électronique doivent être logiquement réparties en fichiers de 25 mégaoctets au maximum.

En ce qui concerne les listages des séquences prévus à l'article 111 des Règles sur les brevets, le support électronique doit être distinct de tout support électronique qui peut être déposé et qui contient des parties de la demande elle-même ou des modifications relatives à la demande.

Le Canada comme office récepteur au titre du PCT : Dépôt électronique des listages de séquences

Conformément aux Règles 89bis et 89ter du PCT et à la Partie 7 des Instructions administratives du PCT, lorsqu'une demande internationale contient la divulgation d'un ou de plusieurs listages des séquences de nucléotides et/ou d'acides aminés, à titre d'office récepteur l'OPIC accepte le dépôt de la partie de la description contenant les listages des séquences et/ou de tout tableau relatif aux listages des séquences et ce, à la discrétion du requérant :

- i. seulement sous forme électronique et sur support électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT, ou
- ii. sur support papier et sur support électronique sous forme électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT,

à condition que les autres éléments de la demande internationale soient déposés conformément aux dispositions du PCT.

Dans une demande internationale déposée sous forme électronique, la partie qui contient le listage des séquences et les tableaux connexes seront conformes aux dispositions pertinentes de l'Annexe C et de l'Annexe C-bis des Instructions administratives du PCT, respectivement.

À cette fin, l'office récepteur canadien acceptera tout support électronique prévu à l'Annexe F des Instructions administratives du PCT. Lorsque le listage des séquences et les tableaux sont déposés sous forme électronique, ils le seront sur des supports électroniques distincts ne contenant pas d'autres programmes ni fichiers.

Notices

the electronic media containing the sequence listing and/or tables in electronic form, accompanied by a statement that the sequence listings and/or tables contained in the copies are identical to those in electronic form as filed.

For further details concerning the filing of sequence listings and/or tables in electronic form, including the labeling of the electronic media and the calculation of the international filing fee, refer to section 7 of the PCT Administrative Instructions.

Electronic Media accepted by the Patent Office

The Patent Office will accept 3.5 inch diskette, CD-ROM, CD-R, DVD, DVD-R and any format as specified in Annex F of the PCT Administration Instructions.

Trademarks and Industrial Design

The Office of the Registrar of Trademarks and the Industrial Design Office will accept the following types of electronic media: CD-ROM, CD-R, DVD, DVD-R, and USB stick.

3. Details Concerning the Electronic Formats Accepted

Patents

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, the acceptable file formats for documents submitted electronically site using the relevant links set out in [section 2.2](#) of these correspondence procedures or on electronic media are TIFF and PDF. In order to get a correspondence date, the office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the office will request the documents to be replaced by documents in PDF or TIFF and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

Sequence listings can be initially provided in TIFF, PDF or in ASCII file formats. However, as a completion requirement according to section 94 of the Patent Rules, a sequence listing in the ASCII format compliant with the "PCT sequence listing standard" has to be submitted. Therefore, CIPO encourages applicants to submit the sequence listings in the ASCII format in the first place.

When applicable, the Patent Office will accept files in the

Aux fins du traitement de la demande internationale, l'office récepteur canadien exige deux (2) copies supplémentaires du support électronique contenant le listage de séquences et/ou les tableaux sous forme électronique, accompagnées d'une déclaration indiquant que le listage des séquences et/ou les tableaux contenus dans les copies sont identiques à ceux qui ont été déposés sous forme électronique.

On trouvera à l'article 7 des Instructions administratives du PCT des détails supplémentaires sur le dépôt de listages des séquences et/ou de tableaux sous forme électronique, notamment sur l'étiquetage des supports électroniques et le calcul de la taxe de dépôt internationale.

Supports électroniques acceptés par le Bureau des brevets

Le Bureau de brevets acceptera des disquettes 3,5 pouces, CD-ROM, CD-R, DVD, DVD-R et tout format spécifié à l'Annexe F des Instructions administratives du PCT.

Marques de commerce et dessins industriels

Le Bureau du registraire des marques de commerce et le Bureau des dessins industriels acceptent les supports électroniques suivants : CD ROM, CD-R, DVD, DVD-R, et clé USB.

3. Précisions concernant les formats électroniques acceptés

Brevets

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à [l'article 2.2](#) des présentes procédures de correspondance ou sur support électronique sont les formats TIFF et PDF. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers en format PDF ou TIFF, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents initialement déposés.

Les listages des séquences peuvent être initialement déposés sous forme de fichiers TIFF, PDF ou ASCII. Toutefois, afin de compléter la demande, conformément à l'article 94 des Règles sur les brevets, un listage des séquences en format ASCII conforme à la Norme PCT de listage des séquences devra être présenté. L'OPIC encourage donc les demandeurs à déposer les listages de séquences en format ASCII dès le départ.

Avis

TIFF, PDF and ASCII format when they comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 1/2" by 11" or A4.

PDF Format:

- Adobe Portable Document Format Version 1.4 compatible;
- Non-compressed text to facilitate searching;
- Unencrypted text;
- No embedded OLE objects;
- All fonts must be embedded and licensed for distribution.

ASCII

- Shall be encoded using IBM Code Page 437, IBM Code Page 932 or a compatible code page.

Trademarks

For the purposes of subsection 64(1) of the Trademarks Act, the acceptable file formats for documents submitted electronically using the relevant links set out in [section 2.2](#) of these correspondence procedures are: PNG, TIFF, JPEG, GIF, MP3, MP4, PDF, BMP and Doc.

Industrial Design

For the purposes of subsection 24.1(1) of the Industrial Design Act, the acceptable file formats for documents, other than a representation of a design, submitted electronically are WPD, DOC, DOCX and PDF. The acceptable file formats for the representation of a design are PDF, JPEG, TIFF and GIF. The file size limit is of 60MB for PDF, 10MB for the other file formats. The scanned/stored images should be of a resolution of at least 300 dpi and the dimensions must be of 21.59 cm by 27.94 cm (8.5 in by 11 in).

Note that the conversion of files to an acceptable format may result in a change to the quality of the drawings.

Le cas échéant, le Bureau des brevets acceptera des fichiers en format TIFF, PDF et ASCII s'ils sont conformes aux spécifications suivantes :

Format TIFF

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Résolution : 300 ou 400 ppp
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po ou A4.

Format PDF

- Compatible avec Adobe Portable Document Format Version 1.4
- Texte non comprimé, pour faciliter la recherche
- Texte non chiffré
- Pas d'objets OLE incorporés
- Toutes les polices de caractère doivent être incorporées et leur distribution doit être autorisée.

ASCII

- Le texte sera encodé à l'aide des pages de codes IBM 437 ou IBM 932 ou d'une page de codes compatible.

Marques de commerce

Pour l'application du paragraphe 64(1) de la Loi sur les marques de commerce, les formats de fichiers acceptables pour les documents fournis par un moyen électronique énoncé à la [section 2.2](#) des présentes procédures de correspondance sont : PNG, TIFF, JPEG, GIF, MP3, MP4, PDF, BMP et Doc.

Dessins industriels

Pour l'application du paragraphe 24.1(1) de la Loi sur les dessins industriels, les formats de fichiers acceptables pour les documents autres que la représentation d'un dessin, transmis par voie électronique sont : WPD, DOC, DOCX, PDF. Les formats de fichiers acceptables pour la représentation d'un dessin sont PDF, JPEG, TIFF, et GIF. La taille maximale est de 60MB pour le format PDF et de 10MB pour tout autre format. L'image numérisée/stockée devrait être dans une résolution d'au moins 300 dpi et les dimensions doivent être de 21,59 cm par 27,94 cm (8,5 po par 11po)

Veillez noter que la conversion de fichiers vers un format acceptable pourrait résulter en un changement à la qualité des dessins.

Notices

4. General Information

General information may be obtained by communicating with CIPO's [Client Service Centre](#).

5. Time Period Extensions

- [Time period extensions under the Patent, Trademarks and Industrial Design Acts](#)
- [Time period extensions under the Copyright and Integrated Circuit Topography Acts](#)
- [Time period extensions under the Patent Cooperation Treaty](#)
- [Time period extensions under the Madrid Protocol and the Hague Agreement](#)

Time period extensions under the Patent, Trademarks and Industrial Design Acts

For the purposes of subsection 78(1) of the Patent Act, subsection 66(1) of the Trademarks Act, and subsection 21(1) of the Industrial Design Act, any time period fixed under those Acts and ending on 1) a **prescribed day** set out in the list below or 2) a **designated day** on account of unforeseen circumstances, will be extended to the next day that is not a prescribed day or a designated day and where CIPO is open to the public.

Designated days are those days that are designated by the Commissioner, the Registrar, or the Minister, on account of unforeseen circumstances and if they are satisfied that it is in the public interest to do so. If a day is designated, the public will be informed of that fact on CIPO's website.

Prescribed days under the Patent Act, Trademarks Act and Industrial Design Act are as follows:

- Every Saturday and Sunday;
- New Year's Day (January 1)*;
- Good Friday;
- Easter Monday;
- Victoria Day: First Monday immediately preceding May 25;
- St. Jean Baptiste Day (June 24)*;
- Canada Day (July 1)*;
- The first Monday in August;***
- Labour Day: First Monday in September;
- Thanksgiving Day: Second Monday in October;

4. Renseignements généraux

Des renseignements généraux peuvent être obtenus en communiquant avec [le Centre de services à la clientèle de l'OPIC](#).

5. Prorogation des délais

- [Prorogation des délais en vertu des les Lois sur les brevets, les marques de commerce, et les dessins industriels](#)
- [Prorogation des délais en vertu des les Lois sur le droit d'auteur et les topographies de circuits intégrés](#)
- [Prorogation des délais en vertu du le Traité de coopération en matière de brevets](#)
- [Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye](#)

Prorogation des délais prévus par les Lois sur les brevets, les marques de commerce, et les dessins industriels

Pour l'application du paragraphe 78(1) de la Loi sur les brevets, du paragraphe 66(1) de la Loi sur les marques de commerce, et du paragraphe 21(1) de la Loi sur les dessins industriels, tout délai fixé sous le régime de ces lois et qui expire 1) un **jour prescrit ou réglementaire** tel qu'indiqué dans la liste ci-dessous, ou 2) un **jour désigné** en raison de circonstances imprévues, sera prorogé jusqu'au jour suivant qui n'est ni un jour prescrit ni un jour désigné et où l'OPIC est ouvert au public.

Les **jours désignés** sont les jours désignés par le commissaire, le registraire, ou le ministre, où, en raison de circonstances imprévues, s'il est dans l'intérêt public de le faire. Si un jour est désigné, le public en sera informé sur le site web de l'OPIC.

Les **jours prescrits ou réglementaires** en vertu de la Loi sur les brevets, de la Loi sur les marques de commerce et de la Loi sur les dessins industriels sont les suivants :

- Tous les samedis et dimanches;
- Nouvel An (1^{er} janvier)*;
- Vendredi Saint;
- Lundi de Pâques;
- Fête de la Reine ou Journée nationale des patriotes : Premier lundi immédiatement avant le 25 mai;
- Saint-Jean-Baptiste (24 juin)*;
- Fête du Canada (1^{er} juillet)*;
- Le premier lundi du mois d'août***;
- Fête du travail : Premier lundi du mois de septembre;

Avis

- Remembrance Day (November 11)*;
- Christmas Day (December 25)**;
- Boxing Day (December 26)** ;
- Any day on which CIPO is closed to the public for all or part of that day during ordinary business hours.

*In the case of New Year's Day, St. Jean Baptiste Day, Canada Day and Remembrance Day, if the day falls on a Saturday or Sunday, deadlines will be extended to the following Tuesday.

**If December 25 falls on a Friday, deadlines will be extended to the following Tuesday. If December 25 falls on a Saturday or Sunday, any time periods ending on December 25 or December 26 will be extended to the following Wednesday.

***Please note that the Office is open to the public on the first Monday in August. Any time period which expires on that day will be extended to the next day the Office is open to the public (first Tuesday in August). However, any correspondence or fees submitted to the Office on that day will be deemed or considered received on that day.

Extensions for prescribed days occur regardless of place of residence or of the establishment to which documents are delivered.

Please be aware that not all provincial and territorial holidays are days where deadlines are extended. It is recommended that clients be mindful and ensure that all deadlines are respected.

Time period extensions under the Copyright and Integrated Circuit Topography Acts

In accordance with section 26 of the Interpretation Act, any person choosing to deliver a document to CIPO or a designated establishment (including the Registered Mail™ and Xpresspost™ services of Canada Post) where a federal, provincial or territorial holiday exists, is entitled to an extension of any time limit for the filing of the document that expires on the holiday, until the next day that is not a holiday. It is to be noted, in respect of provincial and territorial holidays, that the entitlement to the extension is dependent on the establishment to which the document is delivered and not on the place of residence of the person for whom the document is filed or of their agent. For this purpose, documents transmitted to CIPO by electronic means, including by facsimile, would be considered to be delivered to CIPO's offices in Gatineau, Quebec.

CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly,

- Action de Grâce : Deuxième lundi du mois d'octobre;
- Jour du Souvenir (11 novembre)*;
- Jour de Noël (25 décembre)**;
- Lendemain de Noël** ;
- Tout jour où l'OPIC est fermé au public pendant tout ou une partie des heures normales d'ouverture de l'OPIC au public.

*Si le Nouvel An, la Saint-Jean-Baptiste, la Fête du Canada, ou le Jour du Souvenir est un samedi ou un dimanche, les délais seront prorogés au mardi suivant.

**Si le 25 décembre est un vendredi, les délais seront prorogés au mardi suivant. Si le 25 décembre est un samedi ou un dimanche, les délais seront prorogés au mercredi suivant.

***Veuillez noter que les Bureaux sont ouverts au public le premier lundi du mois d'août. Tout délai qui expire ce jour-là sera prorogé au prochain jour ouvrable (premier mardi du mois d'août). Cependant, toute correspondance, droits ou taxes fournis au Bureau ce jour-là seront réputés ou considéré avoir été reçus à cette date.

La prorogation de délai concernant les jours prescrits ou réglementaires s'appliquent nonobstant du lieu de résidence ou du lieu de l'établissement auquel les documents ont été remis.

Veuillez noter que ce ne sont pas tous les jours fériés provinciaux ou territoriaux qui sont des jours prescrits ou réglementaires pour lesquels un délai peut être prorogé. Il est recommandé que les clients soient attentifs et s'assurent que tout délai soit respecté.

Prorogation des délais prévus par les Lois sur le droit d'auteur et sur les topographies de circuits

Selon l'article 26 de la Loi d'interprétation, lorsqu'une personne choisit de livrer un document à l'OPIC ou à un établissement désigné (y compris un bureau régional d'Innovation, Sciences et Développement économique Canada ou le service Courrier recommandé^{MC}, ou par Xpresspost^{MC} de Postes Canada) dans une province où il y a un jour férié fédéral, provincial ou territorial, tout délai fixé pour le dépôt du document, qui expire un jour férié peut être prorogé jusqu'au jour non férié suivant. Dans le cas d'un jour férié provincial ou territorial, il convient de souligner que le droit à la prorogation dépend de l'établissement auquel le document est livré et non du lieu de résidence de la personne pour laquelle le document est déposé ou de son agent. À cet égard, les documents envoyés à l'OPIC par un moyen électronique, y compris par télécopieur, sont réputés être livrés aux bureaux de l'OPIC à Gatineau, au Québec.

En pratique, l'OPIC n'a aucun moyen de faire le suivi relativement aux établissements auxquels des documents sont

Notices

where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that he or she is properly entitled to any needed extension of the time limit.

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

If the expiration of any period during which any document or fee must reach a national Office or intergovernmental organization falls on a day:

- i. on which such Office or organization is not open to the public for the purposes of the transaction of official business;
- ii. on which ordinary mail is not delivered in the locality in which such Office or organization is situated;
- iii. which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or
- iv. which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day;

the period shall expire on the next subsequent day on which none of the said four circumstances exists.

Time period extensions under the Madrid Protocol and the Hague Agreement

If a period within which a communication must be received by the International Bureau of the World Intellectual Property Office would expire on a day on which the International

livrés. Par conséquent, si le délai pour le dépôt d'un document tombe un jour férié provincial ou territorial et qu'une personne le livre seulement le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement qui justifierait une prorogation du délai. Dans de telles circonstances, il incombe au déposant de s'assurer qu'il a droit à une telle prorogation.

Prolongations de délais prévus au Traité de coopération en matière de brevets

La règle 80.5 du Règlement d'exécution du PCT prévoit ce qui suit :

Si un délai quelconque pendant lequel un document ou une taxe doit parvenir à un office national ou à une organisation intergouvernementale expire un jour :

- i. où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;
- ii. où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;
- iii. qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou
- iv. qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant;

Le délai prend fin le premier jour suivant auquel aucune de ces quatre circonstances n'existe plus.

Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye

Si un délai à l'intérieur duquel une communication doit être reçue par le Bureau international de l'Organisation mondiale de propriété intellectuelle expire un jour où le Bureau international n'est pas ouvert au public, le délai expirera lors du

Avis

Bureau is not open to the public, it will expire on the next subsequent day on which the International Bureau is open. Likewise, if the period within which a communication (such as a notification of refusal of protection) must be sent by CIPO to the International Bureau would expire on a day on which CIPO is not open to the public, it will expire on the next subsequent day on which CIPO is open.

A list of the days on which the International Bureau is closed to the public during the current and the following calendar year is available on the [WIPO website](#).

6. Procedures in Case of an Unexpected Office Closure at CIPO

In case of unforeseen circumstances, CIPO will attempt to remain open to the public and ensure that essential service to our clients continues with the least possible disruption or delay.

In accordance with paragraph 27.01(n) of the Patent Rules, paragraph 15(n) of the Trademarks Regulations and paragraph 36(n) of the Industrial Design Regulations, whenever CIPO is closed to the public, for all or part of a day during ordinary business hours, including closures due to extraordinary circumstances, time periods will be extended to the next day that is not a prescribed or a designated day and where CIPO is open to the public.

For Copyright and Integrated Circuit Topography, if CIPO is closed to the public due to extraordinary circumstances, CIPO considers all time limits to be extended until the next day that it is open to the public. In such situations, mail delivered to CIPO or to designated establishments will be considered to be received on the date that CIPO re-opens to the public, with the exception of correspondence addressed to the Registrar of Topographies.

In view of the date-sensitive nature of intellectual property (IP), clients are advised to address important deadlines ahead of time to minimize the risk of affecting their IP rights. For the purposes of such deadlines, unless otherwise notified, clients should assume that all due dates remain in effect.

When possible during an emergency, information and search systems will continue to be available on our website; however, services provided through the Client Service Centre and other support areas within CIPO may be temporarily unavailable. Should an emergency occur, CIPO will post information with respect to [service interruptions](#) on our website as it becomes available and as circumstances permit.

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or to use electronic means using the relevant links set out in [section 2.2](#) of these correspondence procedures. Documents may continue to be faxed to CIPO at 819-953-CIPO (953-2476). Date-sensitive material requiring fee

premier jour suivant où le Bureau international est ouvert au public. Similairement, si un délai à l'intérieur duquel une communication (tel qu'une notification de refus de la protection) doit être envoyée par l'OPIC au Bureau international expire un jour où les bureaux de l'OPIC sont fermés au public, ce délai expirera lors du premier jour suivant la réouverture de l'OPIC.

Une liste des jours pendant lesquels le Bureau international est fermé au public pendant l'année civile en cours et à venir est disponible [sur le site web de l'OMPI](#).

6. Procédures en cas de fermeture des bureaux

Lors de circonstances imprévues, l'OPIC s'efforcera de demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

Conformément à l'alinéa 27.01n) des Règles sur les Brevets, l'alinéa 15n) du Règlement sur les marques de commerce et de l'alinéa 36n) du Règlement sur les dessins industriels, lorsque les bureaux de l'OPIC sont fermés au public pendant toute ou une partie des heures normales d'ouverture, y compris une fermeture en raison de circonstances extraordinaires, les délais seront prorogés au jour suivant qui ne sera pas un jour prescrit ou un jour désigné et où l'OPIC est ouvert au public.

Pour les droits d'auteur et les topographies de circuits intégrés, si les bureaux de l'OPIC sont fermés au public en raison de circonstances extraordinaires, l'OPIC considère que tous les délais sont prorogés au prochain jour d'ouverture au public. Dans de telles circonstances, le courrier livré à l'OPIC ou à des établissements désignés sera considéré avoir été reçu à la date du jour de la réouverture de l'OPIC au public, à l'exception de la correspondance adressée au registraire des topographies.

Étant donné **l'importance que revêtent les délais** en matière de propriété intellectuelle (PI), il est recommandé aux clients de minimiser les risques pouvant nuire à leurs droits en matière de PI en tenant compte à l'avance des dates limites importantes. En ce qui a trait aux délais prescrits, les clients doivent respecter toutes les dates d'échéance, à moins d'avis contraire.

En situation d'urgence, les systèmes d'information et de recherche resteront, dans la mesure du possible, accessibles à partir de notre site Web. Toutefois, les services fournis par le Centre de services à la clientèle et les autres services de soutien de l'OPIC pourraient temporairement ne pas être offerts. En situation d'urgence, l'OPIC va publier les renseignements nécessaires sur notre [page d'interruptions des services](#), lorsque ceux-ci seront disponibles et les circonstances le permettront.

Les clients sont **fortement encouragés** de faire parvenir les documents assujettis à des délais précis par Postes Canada par Courrier recommandé^{MC}, par Xpresspost^{MC} ou par voie électronique en utilisant les liens spécifiés à [l'article 2.2](#) des présentes procédures de correspondance. Il est toujours

Notices

payment that is sent by fax must be accompanied by a [VISA™](#), [MasterCard™](#), or [American Express™](#) credit card number, or [CIPO deposit account number](#).

Please note that there may also be instances in which the designated offices may be temporarily closed, yet CIPO remains open to the public. In such situations, it remains **the responsibility of CIPO's clients** to ensure that all deadlines are respected.

7. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office

Patents, Industrial Design, Copyright and Integrated Circuit Topography

The legislative framework in relation with the abovementioned types of intellectual property does not provide CIPO with the flexibility to extend deadlines when it is open to the public but clients are unable to communicate with the Office.

In these situations it remains the responsibility of clients to ensure that all deadlines are respected.

Trademarks

The Trademarks Act and Regulations allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. In order for a retroactive extension of time to be granted, the Registrar of Trademarks must be satisfied that the failure to do the act or apply for an extension of time before the original due date was not reasonably avoidable. A prescribed fee is required in certain cases.

8. Intellectual property acts, rules and regulations

- [Copyright Act](#)
- [Copyright Regulations](#)
- [Industrial Design Act](#)
- [Industrial Design Regulations](#)
- [Integrated Circuit Topography Act](#)
- [Integrated Circuit Topography Regulations](#)
- [Interpretation Act](#)
- [Patent Act](#)

possible de transmettre par télécopieur des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des droits ou taxes sont exigés, qui sont envoyés par télécopieur, doivent être accompagnés [d'un numéro de carte VISA^{MC}](#), [Mastercard^{MC}](#) [ou American Express^{MC}](#) [ou d'un numéro de compte de dépôt à l'OPIC](#).

Veillez noter qu'il pourrait y avoir des cas où les bureaux régionaux seraient fermés temporairement, mais où l'OPIC resterait ouvert au public. Le cas échéant, **les clients de l'OPIC demeurent responsables** du respect de tous les échéanciers.

7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec l'Office

Brevets, dessins industriels, droit d'auteur et topographies de circuits intégrés

Le cadre législatif en rapport aux types de propriété intellectuelle mentionnés ci-haut ne donne pas à l'OPIC la flexibilité de proroger les délais lorsque l'Office est ouvert au public, mais les clients sont dans l'impossibilité de communiquer avec le l'Office.

Dans une telle situation, les clients demeurent tenus de veiller à ce que les échéances soient respectées.

Marques de commerce

La Loi sur les marques de commerce et le Règlement sur les marques de commerce permettent aux clients de demander une prolongation rétroactive lorsqu'un délai n'a pas été respecté en raison d'un cas de force majeure. Pour qu'une prolongation de délai rétroactive soit accordée, le registraire des marques de commerce doit être convaincu que l'omission d'accomplir l'acte ou de demander la prorogation avant la date initiale d'échéance n'était pas raisonnablement évitable. Un droit prescrit est exigé dans certains cas.

8. Lois, règles et règlements sur la propriété intellectuelle

- [Loi sur le droit d'auteur](#)
- [Règlement sur le droit d'auteur](#)
- [Loi sur les dessins industriels](#)
- [Règlement sur les dessins industriels](#)
- [Loi sur les topographies de circuits intégrés](#)
- [Règlement sur les topographies de circuits intégrés](#)
- [Loi d'interprétation](#)
- [Loi sur les brevets](#)
- [Règles sur les brevets](#)

Avis

- [Patent Rules](#)
- [Regulations under the PCT](#)
- [Trademarks Act](#)
- [Trademarks Regulations](#)

- [Règlement d'exécution du PCT](#)
- [Loi sur les marques de commerce](#)
- [Règlement sur les marques de commerce](#)

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of March 24, 2020 contains applications open to public inspection from March 8, 2020 to March 14, 2020.

16. Dedication to the Public

The Commissioner of Patents
Gatineau, Quebec, Canada

Commissioner.

Re: Canadian Patent No. **2512545**
Issued: 2015-06-30
Present Owner: ABLYNX N.V.

Title: **RECOMBINANT VHH SINGLE DOMAIN ANTIBODY FROM CAMELIDAE AGAINST VON WILLEBRAND FACTOR (VWF)**

Subject to the terms of this document, ABLYNX N.V., as the owner of Canadian Patent No. 2,512,545, entitled "RECOMBINANT VHH SINGLE DOMAIN ANTIBODY FROM CAMELIDAE AGAINST VON WILLEBRAND FACTOR (VWF)" (inventor Karen Silence) hereby irrevocably dedicates to the public all rights that it may hold in and to Canadian Patent No. 2,512,545 for the entirety of the term of the Patent.

The present dedication of the Canadian Patent No. 2,512,545 is made without any prejudice to the rights of ABLYNX N.V. in and to any other patent or pending patent applications.

The present dedication shall apply to all subsequent owners of Canadian Patent No. 2,512,545 and to all persons who now or in the future may hold any rights under Canadian Patent No. 2,512,545.

The patentee, ABLYNX N.V., also requests that this dedication be registered and recorded in all relevant places in the Patent Office, to provide notice of its dedication to the public, including its attachment to any printed copies of the Canadian patent which may hereinafter be distributed to the public.

SIGNED at Toronto, Ontario, Canada this 10th day of February, 2020.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 24 mars 2020 contient les demandes disponibles au public pour consultation pour la période du 8 mars 2020 au 14 mars 2020.

16. Cession au Domaine Public

Le Commissaire des brevets
Gatineau (Québec) Canada

Commissaire.

Objet : Brevet canadien no: **2512545**
Delivré: 2015-06-30
Titulaire actuel : ABLYNX N.V.

Titre : **RECOMBINANT VHH D'ANTICORPS À DOMAINE UNIQUE PROVENANT DE CAMELIDÉS CONTRE LE FACTEUR VON WILLEBRAN (FVW)**

Par la présente et sous réserve des dispositions du présent document, ABLYNX N.V., à titre de propriétaire du brevet canadien no 2,512,545, intitulé «RECOMBINANT VHH D'ANTICORPS À DOMAINE UNIQUE PROVENANT DE CAMELIDÉS CONTRE LE FACTEUR VON WILLEBRAN (FVW)» (inventeur Karen Silence) cède au domaine public, de façon irrévocable, tous les droits qu'il pourrait détenir sur le brevet canadien no 2,512,545 pour toute la durée du brevet.

La présente cession du brevet canadien no 2,512,545 se fait sans préjudice des droits ABLYNX N.V. sur l'ensemble des brevets et des demandes de brevet en instance.

La présente cession s'applique à tous les titulaires subséquents du brevet canadien no 2,512,545 et à toutes les personnes qui détiennent à l'heure actuelle, ou qui pourraient détenir dans l'avenir, des droits sur le brevet canadien no 2,512,545.

Le breveté, ABLYNX N.V. demande également que la présente cession soit enregistrée et inscrite dans tous les lieux et registres pertinents du Bureau des brevets, afin qu'un avis public soit donné de la cession du brevet, en englobant tout lien avec des copies papier du brevet canadien qui pourraient être transmises au public après cette date.

SIGNÉ à Toronto, en Ontario, au Canada, ce 10^e jour du mois de février 2020.

Notices

[signature]
Name: Torys LLP
Title: Agent for the Patentee

[signature]
Nom; Torys LLP
Titre: Agent for the Patentee

Canadian Patents Issued

March 24, 2020

Brevets canadiens délivrés

24 mars 2020

[11] **2,555,185**
[13] C

[51] **Int.Cl. C07K 16/00 (2006.01)**
[25] EN
[54] **ANTI-CD38 HUMAN ANTIBODIES AND USES THEREFOR**
[54] **ANTICORPS HUMAINS ANTI-CD38 ET UTILISATIONS DE CEUX-CI**

[72] TESAR, MICHAEL, DE
[72] JAGER, UTE, DE
[73] MORPHOSYS AG,
[85] 2006-08-01
[86] 2005-02-07 (PCT/IB2005/002476)
[87] (WO2005/103083)
[30] US (60/541,911) 2004-02-06
[30] US (60/547,584) 2004-02-26
[30] US (60/553,948) 2004-03-18
[30] US (60/599,014) 2004-08-06
[30] US (60/614,471) 2004-10-01

[11] **2,590,191**
[13] C

[51] **Int.Cl. G01N 15/10 (2006.01) G01N 15/12 (2006.01) G01N 15/14 (2006.01)**
[25] EN
[54] **PRESSURE REGULATED CONTINUOUSLY VARIABLE VOLUME CONTAINER FOR FLUID DELIVERY**
[54] **CONTENANT DE VOLUME VARIABLE A PRESSION REGULEE CONTINUELLEMENT POUR LA DISTRIBUTION DE LIQUIDE**

[72] NEAS, EDWIN DEAN, US
[72] KUIKEN, JERALD EDWARD, US
[72] SCHENK, JOHN LOUIS, US
[72] GILLIGAN, THOMAS BOYD, US
[73] XY, LLC,
[85] 2007-05-31
[86] 2005-12-02 (PCT/US2005/043926)
[87] (WO2006/060770)
[30] US (11/004,382) 2004-12-03

[11] **2,619,591**
[13] C

[51] **Int.Cl. A61K 33/26 (2006.01) A61P 3/00 (2006.01) A61P 7/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL-GRADE FERRIC ORGANIC COMPOUNDS, USES THEREOF AND METHODS OF MAKING SAME**
[54] **COMPOSES ORGANIQUES FERRIQUES, UTILISATIONS DESDITS COMPOSES ET PROCEDESDE FABRICATION ASSOCIES**

[72] CHAN, KEITH, US
[72] TOWN, WINSTON, HK
[73] PANION & BF BIOTECH INC.,
[85] 2008-02-15
[86] 2006-08-18 (PCT/US2006/032385)
[87] (WO2007/022435)
[30] US (11/206,981) 2005-08-18
[30] US (60/709,511) 2005-08-19

[11] **2,646,384**
[13] C

[51] **Int.Cl. C12N 5/077 (2010.01) C12N 5/071 (2010.01) C12N 5/073 (2010.01) A61K 35/35 (2015.01) A61K 35/28 (2015.01) A61K 35/50 (2015.01)**
[25] EN
[54] **METHODS FOR CELL EXPANSION AND USES OF CELLS AND CONDITIONED MEDIA PRODUCED THEREBY FOR THERAPY**
[54] **PROCEDES DE DEVELOPPEMENT CELLULAIRE ET UTILISATIONS THERAPEUTIQUES DES CELLULES ET DES MILIEUX CONDITIONNES PRODUITS DE CETTE MANIERE**

[72] MERETZKI, SHAI, IL
[72] ABERMAN, ZAMI, IL
[72] BURGER, ORA, IL
[73] PLURISTEM LTD.,
[85] 2008-09-18
[86] 2007-03-22 (PCT/IL2007/000380)
[87] (WO2007/108003)
[30] US (60/784,769) 2006-03-23
[30] US (60/847,088) 2006-09-26

[11] **2,675,183**
[13] C

[51] **Int.Cl. C12P 21/00 (2006.01) C12N 15/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR OSMOTICALLY SHOCKING CELLS**
[54] **APPAREIL ET PROCEDES POUR APPLIQUER UN CHOC OSMOTIQUE A DES CELLULES**

[72] PATKAR, ANANT YESHWANT, US
[72] SEN, SUBRATA, US
[72] CHAPPELL, MICHAEL L., US
[73] DOW GLOBAL TECHNOLOGIES LLC,
[85] 2009-07-09
[86] 2008-01-11 (PCT/US2008/000426)
[87] (WO2008/088757)
[30] US (60/880,195) 2007-01-12

[11] **2,678,951**
[13] C

[51] **Int.Cl. G06F 21/14 (2013.01) G06F 8/53 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD OF INTERLOCKING TO PROTECT SOFTWARE-MEDIATED PROGRAM AND DEVICE BEHAVIOURS**
[54] **SYSTEME ET PROCEDE DE VERROUILLAGE AFIN DE PROTEGER LES COMPORTEMENTS MEDIES PAR LOGICIEL DE DISPOSITIFS ET DE PROGRAMMES**

[72] ZHOU, YONGXIN, US
[72] GU, YUAN XIANG, CA
[72] JOHNSON, HAROLD JOSEPH, CA
[73] IRDETO B.V.,
[85] 2009-08-21
[86] 2008-02-21 (PCT/CA2008/000331)
[87] (WO2008/101340)
[30] US (11/709,654) 2007-02-23
[30] US (11/980,392) 2007-10-31

**Canadian Patents Issued
March 24, 2020**

[11] **2,679,384**
[13] C

[51] **Int.Cl. A61B 17/70 (2006.01)**
[25] EN
[54] **TENSION FIXATION SYSTEM**
[54] **SYSTEME DE FIXATION PAR TENSION**
[72] SNYDER, BRIAN D., US
[72] VRESILOVIC, EDWARD J., JR., US
[72] MEHTA, HEMAL P., US
[72] MULLER, JOHN A., US
[73] MASS MODULAR SPINE SYSTEM,
[85] 2009-08-27
[86] 2008-02-28 (PCT/US2008/055246)
[87] (WO2008/106582)
[30] US (60/892,000) 2007-02-28

[11] **2,683,056**
[13] C

[51] **Int.Cl. C12N 5/0735 (2010.01) C12N 5/071 (2010.01) C12N 5/074 (2010.01) C12N 5/0789 (2010.01) C12Q 1/6809 (2018.01) C12Q 1/02 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **REPROGRAMMING OF SOMATIC CELLS**
[54] **REPROGRAMMATION DE CELLULES SOMATIQUES**
[72] JAENISCH, RUDOLF, US
[72] HANNA, JACOB, US
[72] WERNIG, MARIUS, US
[72] LENGNER, CHRISTOPHER J., US
[72] MEISSNER, ALEXANDER, US
[72] BRAMBRINK, OLIVER TOBIAS, US
[72] WELSTEAD, G., GRANT, US
[72] FOREMAN, RUTH, US
[73] WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH,
[85] 2009-10-06
[86] 2008-04-07 (PCT/US2008/004516)
[87] (WO2008/124133)
[30] US (60/922,121) 2007-04-07
[30] US (60/959,341) 2007-07-12
[30] US (61/036,065) 2008-03-12

[11] **2,689,490**
[13] C

[51] **Int.Cl. G01G 23/37 (2006.01)**
[25] EN
[54] **MULTIPLE FORCE-MEASURING DEVICE AND FORCE-MEASURING MODULE**
[54] **DISPOSITIF DYNAMOMETRIQUE MULTIMODULE, MODULE DYNAMOMETRIQUE ET PROCEDE DE SURVEILLANCE D'ETAT**
[72] BUCHER, CYRILL, CH
[72] SKIDMORE, AARON, US
[72] BLISS, DOUGLAS, US
[72] USTER, MARKUS, CH
[73] METTLER-TOLEDO GMBH,
[85] 2009-12-04
[86] 2008-03-27 (PCT/EP2008/053623)
[87] (WO2008/148590)
[30] US (60/942,468) 2007-06-07

[11] **2,692,251**
[13] C

[51] **Int.Cl. C12P 19/04 (2006.01) A61K 31/715 (2006.01) A61K 36/064 (2006.01) A61P 1/00 (2006.01) C07H 1/08 (2006.01)**
[25] EN
[54] **NUTRITIONAL COMPOSITIONS**
[54] **COMPOSITIONS NUTRITIONNELLES**
[72] NIEMELAE, RITVA, FI
[72] SAARINEN, JUHANI, FI
[72] HELIN, JARI, FI
[72] WAKKINEN, JANICA, FI
[73] GLYKOS FINLAND OY,
[73] HANKKIJA-MAATALOUS OY,
[85] 2009-12-11
[86] 2008-06-13 (PCT/FI2008/050360)
[87] (WO2008/152207)
[30] FI (20070471) 2007-06-13

[11] **2,693,740**
[13] C

[51] **Int.Cl. G06T 7/30 (2017.01) A61B 34/20 (2016.01) A61B 6/12 (2006.01) A61B 8/08 (2006.01) A61M 36/04 (2006.01) A61N 5/10 (2006.01) G06T 17/00 (2006.01)**
[25] EN
[54] **MARKER LOCALIZATION USING INTENSITY-BASED REGISTRATION OF IMAGING MODALITIES**
[54] **LOCALISATION DE REPERES PAR ENREGISTREMENT A BASE D'INTENSITE DE MODALITES D'IMAGES**
[72] FICHTINGER, GABOR, CA
[72] ABOLMAESUMI, PURANG, CA
[72] KARIMAGHALOO, ZAHRA, CA
[72] FALLAVOLLITA, PASCAL, CA
[73] QUEEN'S UNIVERSITY AT KINGSTON,
[86] (2693740)
[87] (2693740)
[22] 2010-02-19
[30] US (61/202,354) 2009-02-20
[30] CA (2,655,001) 2009-02-20

[11] **2,695,709**
[13] C

[51] **Int.Cl. G06F 16/9038 (2019.01) G06F 16/738 (2019.01)**
[25] EN
[54] **RANKING SEARCH RESULTS**
[54] **CLASSEMENT DES RESULTATS DE RECHERCHE**
[72] IWASA, KEN, US
[72] MURRAY, SETH MICHAEL, US
[72] UDANI, GOLDEE, IN
[73] COMCAST INTERACTIVE MEDIA, LLC,
[86] (2695709)
[87] (2695709)
[22] 2010-03-04
[30] US (12/402,897) 2009-03-12

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,699,394**
[13] C

[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/395 (2006.01) A61K 51/10 (2006.01) A61P 35/00 (2006.01) C07K 19/00 (2006.01) G01N 33/574 (2006.01)**

[25] EN

[54] **INTERNALIZING HUMAN MONOCLONAL ANTIBODIES TARGETING PROSTATE CANCER CELLS IN SITU**

[54] **ANTICORPS MONOCLONAUX HUMAINS INTERNALISANTS CIBLANT DES CELLULES DU CANCER DE LA PROSTATE IN SITU**

[72] LIU, BIN, US

[72] MARKS, JAMES D., US

[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA,

[85] 2010-03-11

[86] 2008-09-17 (PCT/US2008/076704)

[87] (WO2009/039192)

[30] US (60/973,005) 2007-09-17

[11] **2,699,614**
[13] C

[51] **Int.Cl. A61K 38/17 (2006.01) A61P 17/02 (2006.01) A61P 21/00 (2006.01) A61K 38/45 (2006.01)**

[25] EN

[54] **METHODS FOR PROMOTING WOUND HEALING AND MUSCLE REGENERATION WITH THE CELL SIGNALING PROTEIN NELL1**

[54] **PROCEDES POUR FAVORISER LA CICATRISATION DE PLAIES ET LA REGENERATION MUSCULAIRE GRACE A LA PROTEINE DE SIGNALISATION CELLULAIRE NELL 1**

[72] CULIAT, CYMBELINE T., US

[73] UT-BATTELLE, LLC,

[85] 2010-03-12

[86] 2008-09-26 (PCT/US2008/077845)

[87] (WO2009/042859)

[30] US (60/976,023) 2007-09-28

[11] ***2,706,688**
[13] C

[51] **Int.Cl. H02K 29/00 (2006.01) H02K 5/12 (2006.01) H02P 31/00 (2006.01) G06F 1/20 (2006.01)**

[25] EN

[54] **BRUSHLESS MOTOR IN ACTIVATE RELAX STATES**

[54] **MOTEUR SANS BALAIS A ETATS DE RELAXATION ACTIVE**

[72] DANG, QUOC-HUNG, CA

[73] DANG, QUOC-HUNG,

[86] (2706688)

[87] (2706688)

[22] 2010-06-14

[11] **2,716,911**
[13] C

[51] **Int.Cl. H04L 12/66 (2006.01) H04L 12/28 (2006.01)**

[25] EN

[54] **SERVICE ENTRY DEVICE**

[54] **DISPOSITIF D'ENTREE DE SERVICE**

[72] FRANCISCO, MARK, US

[73] COMCAST CABLE COMMUNICATIONS, LLC,

[86] (2716911)

[87] (2716911)

[22] 2010-10-07

[30] US (12/603,089) 2009-10-21

[11] **2,717,544**
[13] C

[51] **Int.Cl. B65D 65/40 (2006.01) B65D 85/72 (2006.01)**

[25] EN

[54] **CHLORINE-FREE PACKAGING SHEET WITH TEAR-RESISTANCE PROPERTIES**

[54] **FEUILLE D'EMBALLAGE EXEMPT DE CHLORE AYANT DES PROPRIETES DE RESISTANCE A LA DECHIRURE**

[72] GLASER, KEVIN DAVID, US

[72] MENGEL, MATTHEW LEROY, US

[72] BARR, CURTIS RANDOLPH, US

[73] BEMIS COMPANY, INC.,

[86] (2717544)

[87] (2717544)

[22] 2010-10-14

[30] US (12/611,880) 2009-11-03

[11] **2,719,146**
[13] C

[51] **Int.Cl. G06Q 40/04 (2012.01)**

[25] EN

[54] **MANAGING QUOTES AT A TRADE CONSOLE**

[54] **GESTION DES PRIX A UNE CONSOLE DE COMMERCE**

[72] PECHENIK, JACOB, US

[72] BARNES, BLAKE, US

[73] YELLOWJACKET, INC.,

[86] (2719146)

[87] (2719146)

[22] 2010-10-28

[30] US (61/256,410) 2009-10-30

[30] US (12/911,490) 2010-10-25

[11] **2,719,670**
[13] C

[51] **Int.Cl. H04N 21/262 (2011.01) H04N 7/24 (2011.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR CONTENT REPLACEMENT IN LIVE PRODUCTION**

[54] **PROCEDE ET APPAREIL PERMETTANT UN REMPLACEMENT DE CONTENU DANS UNE PRODUCTION EN DIRECT**

[72] MCCALLISTER, BENJAMIN, US

[72] HOLTZ, ALEX, US

[73] GVBB HOLDINGS S.A.R.L.,

[85] 2010-09-24

[86] 2009-04-08 (PCT/US2009/002201)

[87] (WO2009/126275)

[30] US (61/123,673) 2008-04-10

[11] **2,724,537**
[13] C

[51] **Int.Cl. G06Q 50/30 (2012.01) G07F 13/02 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR REGULATING FUEL TRANSACTIONS**

[54] **SYSTEME ET PROCEDE DE REGULATION DE TRANSACTIONS EN CARBURANT**

[72] BETANCOURT, ERNEST BLAS, US

[73] EPONA LLC,

[85] 2010-11-15

[86] 2009-06-03 (PCT/US2009/046069)

[87] (WO2009/149147)

[30] US (12/134,711) 2008-06-06

**Canadian Patents Issued
March 24, 2020**

[11] **2,724,641**
[13] C

[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **AUTOINJECTOR SYSTEM**
[54] **SYSTEME D'AUTO-INJECTION**
[72] SLATE, JOHN B., US
[72] BURK, MICHAEL W., US
[72] KOERNER, RICHARD J., US
[72] MAGERS, COREY M., US
[72] BARNES, ANDREW C., US
[73] AVANT MEDICAL CORP.,
[85] 2010-11-16
[86] 2009-05-20 (PCT/US2009/044693)
[87] (WO2009/143255)
[30] US (12/178,447) 2008-07-23
[30] US (12/123,888) 2008-05-20

[11] **2,724,755**
[13] C

[51] **Int.Cl. A61M 16/00 (2006.01) A61M 16/16 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR INCREASING THERAPY COMPLIANCE**
[54] **PROCEDE ET APPAREIL VISANT A ACCROITRE L'OBSERVATION DES MESURES DE THERAPIE**
[72] POTHARAJU, VENKATA SUBBARAO, NZ
[72] STANTON, CHRISTIE JAYNE, NZ
[72] SALMON, ANDREW, NZ
[72] SUN, YI-CHENG, NZ
[72] BRISCOE, HAYDEN, NZ
[72] FREW, SAMUEL, NZ
[72] WORTHINGTON, STEVEN JOHN, NZ
[72] DICKINSON, PHILIP, NZ
[72] HAXTON, CAMERON JON, NZ
[72] RANDOLPH, ROBIN L., US
[73] FISHER & PAYKEL HEALTHCARE LIMITED,
[86] (2724755)
[87] (2724755)
[22] 2010-12-09

[11] **2,731,664**
[13] C

[51] **Int.Cl. C12Q 1/56 (2006.01) A61K 35/14 (2015.01) C12N 9/64 (2006.01) C12N 9/74 (2006.01) C12Q 1/37 (2006.01)**
[25] EN
[54] **POLYMER-COUPLED PEPTIDASES**
[54] **PEPTIDASES COUPLEES PAR POLYMERE**
[72] KOLDE, HANS-JUERGEN, DE
[72] LANGE, UTE, DE
[72] BUCHA, ELKE, DE
[73] SENOVA GESELLSCHAFT FUR BIOWISSENSCHAFT UND TECHNIK MBH,
[86] (2731664)
[87] (2731664)
[22] 2011-02-14
[30] EP (10 15 3604.3) 2010-02-15

[11] **2,733,670**
[13] C

[51] **Int.Cl. C12Q 1/02 (2006.01) C40B 30/00 (2006.01) C40B 30/06 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS FOR IDENTIFYING COMPOUNDS WHICH INHIBIT BINDING OF ANTHRAX PROTEIN TO LRP5/6 RECEPTORS.**
[54] **PROCEDES D'IDENTIFICATION DE COMPOSES INHIBANT LA LIAISON DES PROTEINES DE L'ANTHRAX AUX RECEPTEURS LRP5/6.**
[72] LIU, DAKAI, US
[72] JIN, RICHARD, US
[72] LI, XIAOFENG, US
[72] ZHANG, YAZHOU, US
[72] CHENG, WEI, US
[72] BHATTACHARYYA, RIDDHI, US
[73] ENZO BIOCHEM, INC.,
[85] 2011-02-08
[86] 2009-08-14 (PCT/US2009/053882)
[87] (WO2010/019878)
[30] US (12/228,757) 2008-08-15

[11] **2,735,336**
[13] C

[51] **Int.Cl. A23L 2/02 (2006.01) A23L 2/60 (2006.01)**
[25] EN
[54] **NATURALLY SWEETENED JUICE BEVERAGE PRODUCTS**
[54] **BOISSONS A BASE DE JUS DE FRUITS NATURELLEMENT EDULCOREES**
[72] RIVERA, TEODORO, US
[72] OESTERLING, JESSICA, US
[73] TROPICANA PRODUCTS, INC.,
[85] 2011-02-25
[86] 2009-07-28 (PCT/US2009/051953)
[87] (WO2010/025001)
[30] US (61/092,782) 2008-08-29

[11] **2,737,624**
[13] C

[51] **Int.Cl. C02F 1/04 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **COMPACT EVAPORATOR FOR MODULAR PORTABLE SAGD PROCESS**
[54] **EVAPORATEUR COMPACT POUR PROCEDE DE DRAINAGE GRAVITAIRE ASSISTE PAR VAPEUR (SAGD) MODULAIRE ET PORTATIF**
[72] JAMES, KENNETH, CA
[73] PRIVATE EQUITY OAK LP,
[86] (2737624)
[87] (2737624)
[22] 2011-04-15
[30] US (61/436,723) 2011-01-27

[11] **2,738,247**
[13] C

[51] **Int.Cl. B01D 39/12 (2006.01) C01B 3/02 (2006.01) C01B 3/32 (2006.01) C01B 3/50 (2006.01) C01B 3/56 (2006.01)**
[25] EN
[54] **A DUPLEX FILTERING SYSTEM FOR FILTERING A FLUID**
[54] **UN SYSTEME DE FILTRAGE DOUBLE SERVANT A FILTRER UN FLUIDE**
[72] STEINER, CARL A., US
[72] JACKSON, RICKY L., US
[73] TM INDUSTRIAL SUPPLY, INC.,
[86] (2738247)
[87] (2738247)
[22] 2011-04-27
[30] US (61/329,762) 2010-04-30
[30] US (13/088,700) 2011-04-18

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,738,631**
[13] C

[51] **Int.Cl. H04N 7/16 (2011.01) H04N 5/445 (2011.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR DETECTING INCONSISTENT USER ACTIONS AND PROVIDING FEEDBACK**

[54] **SYSTEMES ET PROCEDES POUR DETECTER DES ACTIONS INCOHERENCES DE L'UTILISATEUR ET FOURNIR UN RETOUR D'INFORMATION**

[72] CRANER, MICHAEL, US

[73] ROVI GUIDES, INC.,

[85] 2011-03-25

[86] 2009-11-12 (PCT/US2009/006097)

[87] (WO2010/056339)

[30] US (12/269,639) 2008-11-12

[11] **2,742,594**
[13] C

[51] **Int.Cl. C12N 9/12 (2006.01) C12N 15/10 (2006.01) C12N 15/54 (2006.01)**

[25] EN

[54] **MODIFIED TYPE A DNA POLYMERASES**

[54] **ADN POLYMERASES DE TYPE A MODIFIEES**

[72] BOURN, WILLIAM, ZA

[72] APPEL, MARYKE, ZA

[72] RUSH, GAVIN, ZA

[72] FOSKETT, JOHN, ZA

[72] MCEWAN, PAUL, ZA

[73] KAPA BIOSYSTEMS, INC.,

[85] 2011-05-03

[86] 2009-11-03 (PCT/US2009/063167)

[87] (WO2010/062777)

[30] US (61/110,877) 2008-11-03

[11] **2,744,426**
[13] C

[51] **Int.Cl. C12N 1/19 (2006.01) C12P 1/02 (2006.01) C12P 7/06 (2006.01)**

[25] EN

[54] **SACCHAROMYCES STRAIN WITH ABILITY TO GROW ON PENTOSE SUGARS UNDER ANAEROBIC CULTIVATION CONDITIONS**

[54] **SOUCHE DE SACCHAROMYCES AYANT LA CAPACITE DE CROITRE SUR DES GLUCIDES DE PENTOSE DANS DES CONDITIONS DE CULTURE ANAEROBIES**

[72] HAHN-HAEGERDAL, BAERBEL, SE

[72] BENGTTSSON, OSKAR, SE

[72] BETTIGA, MAURIZIO, SE

[72] SANCHEZ, ROSA GARCIA, SE

[72] RUNDQUIST, DAVID, SE

[72] GORWA-GRAUSLUND, MARIE-FRANCOISE, SE

[73] NOVOZYMES A/S,

[85] 2011-05-20

[86] 2009-11-20 (PCT/SE2009/000498)

[87] (WO2010/059095)

[30] SE (0802467-1) 2008-11-24

[11] **2,744,454**
[13] C

[51] **Int.Cl. A61K 39/00 (2006.01)**

[25] EN

[54] **RECOMBINANT AVIAN INFLUENZA VACCINE AND USES THEREOF**

[54] **VACCIN CONTRE LA GRIPPE AVIAIRE RECOMBINE ET SES UTILISATIONS**

[72] GUO, XUAN, US

[72] BUBLOT, MICHEL, FR

[72] PRITCHARD, JOYCE A., US

[72] DICKEY, LYNN F., US

[73] BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC.,

[85] 2011-05-20

[86] 2009-11-30 (PCT/US2009/066146)

[87] (WO2010/063033)

[30] US (61/118,492) 2008-11-28

[11] **2,745,089**
[13] C

[51] **Int.Cl. C02F 1/42 (2006.01) C02F 1/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR WASTEWATER TREATMENT**

[54] **SYSTEME ET PROCEDE DE TRAITEMENT D'EAUX USEES**

[72] BAUDER, RAINER, US

[72] YEH, RICHARD HSU, TW

[73] HYDROIONIC TECHNOLOGIES CO. LTD.,

[85] 2011-05-26

[86] 2009-12-03 (PCT/US2009/066543)

[87] (WO2010/065714)

[30] US (61/119,567) 2008-12-03

[11] **2,745,515**
[13] C

[51] **Int.Cl. G05D 1/04 (2006.01) B64D 45/00 (2006.01)**

[25] FR

[54] **METHOD AND DEVICE FOR DETERMINING AND UPDATING A TARGET ALTITUDE FOR AN EMERGENCY DESCENT OF AN AIRCRAFT**

[54] **PROCEDE ET DISPOSITIF DE DETERMINATION ET DE MISE A JOUR D'UNE ALTITUDE CIBLE POUR UNE DESCENTE D'URGENCE D'UN AERONEF**

[72] BOTARGUES, PAULE, FR

[72] GRANDPERRET, ERWIN, FR

[72] BUREL, LUCAS, FR

[73] AIRBUS OPERATIONS (SAS),

[86] (2745515)

[87] (2745515)

[22] 2011-07-05

[30] FR (10 55891) 2010-07-20

**Canadian Patents Issued
March 24, 2020**

[11] **2,746,256**
[13] C

[51] **Int.Cl. C07K 14/47 (2006.01) A61K 38/17 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR SPECIFIC MODULATION OF MCL-1**
[54] **PROCEDES ET COMPOSITIONS POUR LA MODULATION SPECIFIQUE DE MCL-1**
[72] WALENSKY, LOREN D., US
[72] STEWART, MICHELLE L., US
[73] DANA FARBER CANCER INSTITUTE, INC.,
[85] 2011-06-08
[86] 2009-12-09 (PCT/US2009/067363)
[87] (WO2010/068684)
[30] US (61/120,988) 2008-12-09

[11] **2,747,294**
[13] C

[51] **Int.Cl. H02M 7/538 (2007.01)**
[25] EN
[54] **IMPROVEMENTS RELATING TO POWER ADAPTORS**
[54] **PERFECTIONNEMENTS APPORTES A DES ADAPTATEURS DE PUISSANCE**
[72] SUMMERLAND, DAVID, GB
[72] POLLOCK, HELEN, GB
[72] POLLOCK, CHARLES, GB
[73] HOLDIP LIMITED,
[85] 2011-06-16
[86] 2009-10-08 (PCT/GB2009/051334)
[87] (WO2010/041067)
[30] GB (0818411.1) 2008-10-08
[30] GB (0821297.9) 2008-11-21
[30] GB (0822691.2) 2008-12-12
[30] GB (0909139.8) 2009-05-28

[11] **2,750,034**
[13] C

[51] **Int.Cl. G02C 5/14 (2006.01) B42D 9/00 (2006.01) G02C 5/22 (2006.01)**
[25] EN
[54] **READING GLASSES WITH A BOOK COMPATIBLE TEMPLE AND HINGE COMBINATION**
[54] **LUNETTES DE LECTURE AVEC COMBINAISON DE BRANCHE ET CHARNIERE COMPATIBLE AVEC LES LIVRES**
[72] LEDUC, JANET, CA
[73] LEDUC, JANET,
[86] (2750034)
[87] (2750034)
[22] 2011-08-16
[30] US (61/370,007) 2011-08-02

[11] **2,750,752**
[13] C

[51] **Int.Cl. A01N 59/00 (2006.01) A01J 7/04 (2006.01) A01P 1/00 (2006.01) A61L 2/18 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CLEANING TEATS OF A MILK-PRODUCING ANIMAL**
[54] **SYSTEME ET PROCEDE POUR NETTOYER LES TRAYONS D'UN ANIMAL PRODUCTEUR DE LAIT**
[72] DOLE, KEVIN, US
[72] HERBIN, STANLEY B., US
[73] ALPHA TECHNOLOGY U.S.A. CORPORATION,
[86] (2750752)
[87] (2750752)
[22] 2011-08-29
[30] US (12/883,359) 2010-09-16

[11] **2,751,248**
[13] C

[51] **Int.Cl. C02F 1/10 (2006.01)**
[25] FR
[54] **WATER PRETREATMENT UNIT USING A FLUORINATED LIQUID**
[54] **UNITE DE PRETRAITEMENT D'EAU AU MOYEN D'UN LIQUIDE FLUORE**
[72] DE SOUZA, GUILLAUME, FR
[73] ADIONICS,
[85] 2011-07-29
[86] 2010-02-02 (PCT/FR2010/050169)
[87] (WO2010/086575)
[30] FR (0950643) 2009-02-02

[11] **2,752,033**
[13] C

[51] **Int.Cl. C07K 16/12 (2006.01) A61K 39/106 (2006.01) A61K 39/40 (2006.01) A61P 1/00 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01) G01N 33/48 (2006.01) G01N 33/564 (2006.01) C07K 14/205 (2006.01)**
[25] EN
[54] **ANTIBODY TO CYTOLETHAL DISTENDING TOXIN OF CAMPYLOBACTER JEJUNI**
[54] **ANTICORPS DIRIGE CONTRE LA TOXINE CYTOLETHALE DISTENDANTE DE CAMPYLOBACTER JEJUNI**
[72] PIMENTEL, MARK, US
[72] CHANG, CHRISTOPHER, US
[73] CEDARS-SINAI MEDICAL CENTER,
[85] 2011-08-09
[86] 2010-02-11 (PCT/US2010/023911)
[87] (WO2010/093801)
[30] US (61/151,779) 2009-02-11
[30] US (61/286,250) 2009-12-14

[11] **2,752,211**
[13] C

[51] **Int.Cl. C07K 14/78 (2006.01) A61K 9/00 (2006.01) A61K 38/17 (2006.01) C12N 15/12 (2006.01) C40B 30/04 (2006.01) C40B 40/10 (2006.01) C40B 50/06 (2006.01)**
[25] EN
[54] **FIBRONECTIN TYPE III DOMAIN BASED SCAFFOLD COMPOSITIONS, METHODS AND USES**
[54] **COMPOSITIONS SUPPORTS A BASE DU DOMAINE DE LA FIBRONECTINE DE TYPE III, PROCEDES ET UTILISATIONS**
[72] JACOBS, STEVEN, US
[72] O'NEIL, KARYN, US
[73] JANSSEN BIOTECH, INC.,
[85] 2011-08-11
[86] 2010-02-09 (PCT/US2010/023625)
[87] (WO2010/093627)
[30] US (61/151,987) 2009-02-12

Brevets canadiens délivrés
24 mars 2020

[11] **2,752,237**
[13] C

[51] **Int.Cl. A61K 48/00 (2006.01) A61K 38/16 (2006.01) A61P 25/00 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01)**

[25] EN

[54] **TREATMENT OF BRAIN DERIVED NEUROTROPHIC FACTOR (BDNF) RELATED DISEASES BY INHIBITION OF NATURAL ANTISENSE TRANSCRIPT TO BDNF**

[54] **TRAITEMENT DES MALADIES ASSOCIEES AU FACTEUR NEUROTROPHIQUE DERIVE DU CERVEAU (BDNF) PAR INHIBITION DU PRODUIT ANTISENS NATUREL DE LA TRANSCRIPTION EN BDNF**

[72] COLLARD, JOSEPH, US
[72] KHORKOVA SHERMAN, OLGA, US
[72] COITO, CARLOS, US
[73] CURNA, INC.,
[85] 2011-08-11
[86] 2010-02-12 (PCT/US2010/024075)
[87] (WO2010/093904)
[30] US (61/152,132) 2009-02-12

[11] **2,753,159**
[13] C

[51] **Int.Cl. C12M 1/34 (2006.01) C12Q 1/04 (2006.01) C12Q 1/18 (2006.01) G01N 35/00 (2006.01)**

[25] EN

[54] **DEVICE FOR MEASURING LIGHT SCATTERING AND TURBIDITY IN A BIOLOGICAL SAMPLE AND METHODS OF USE THEREOF**

[54] **DISPOSITIF DE MESURE DE LA DISPERSION LUMINEUSE ET DE LA TURBIDITE DANS UN ECHANTILLON BIOLOGIQUE ET METHODES D'UTILISATION ASSOCIEES**

[72] GALIANO, PAOLO, IT
[72] SPEZZOTTI, GIAN PIERO, IT
[73] ALIFAX S.R.L.,
[85] 2011-08-19
[86] 2010-02-24 (PCT/IB2010/000364)
[87] (WO2010/097683)
[30] IT (UD2009A000046) 2009-02-25

[11] **2,755,404**
[13] C

[51] **Int.Cl. C12N 15/63 (2006.01) C12N 15/113 (2010.01) A61K 48/00 (2006.01) C07H 21/00 (2006.01)**

[25] EN

[54] **TREATMENT OF DELTA-LIKE 1 HOMOLOG (DLK1) RELATED DISEASES BY INHIBITION OF NATURAL ANTISENSE TRANSCRIPT TO DLK1**

[54] **TRAITEMENT DES MALADIES ASSOCIEES A L'HOMOLOGUE DU DELTA-LIKE 1 (DLK1) PAR INHIBITION DU TRANSCRIT ANTISENS NATUREL DE DLK1**

[72] COLLARD, JOSEPH, US
[72] KHORKOVA SHERMAN, OLGA, US
[72] COITO, CARLOS, US
[73] CURNA, INC.,
[85] 2011-09-14
[86] 2010-03-16 (PCT/US2010/027403)
[87] (WO2010/107740)
[30] US (61/160,758) 2009-03-17
[30] US (61/178,195) 2009-05-14

[11] **2,755,715**
[13] C

[51] **Int.Cl. A61K 36/73 (2006.01) A61K 31/353 (2006.01) A61P 9/12 (2006.01)**

[25] EN

[54] **ANTIHYPERTENSIVE AGENTS COMPRISING A BOYSENBERRY SEED EXTRACT**

[54] **AGENTS ANTI-HYPERTENSIFS COMPRENANT UN EXTRAIT DE GRAINES DE MURES**

[72] HIRAYAMA, MASAO, JP
[72] FURUUCHI, RYO, JP
[72] YOKOYAMA, TADAYUKI, JP
[73] BOURBON CORPORATION,
[86] (2755715)
[87] (2755715)
[22] 2011-10-25
[30] JP (2011-175243) 2011-08-10

[11] **2,755,784**
[13] C

[51] **Int.Cl. C12N 9/00 (2006.01) A61K 38/43 (2006.01) C07K 19/00 (2006.01) C12N 15/11 (2006.01) C12N 15/52 (2006.01) C12N 15/62 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS COMPRISING HISTIDYL-TRNA SYNTHETASE SPLICE VARIANTS HAVING NON-CANONICAL BIOLOGICAL ACTIVITIES**

[54] **COMPOSITIONS ET PROCEDES COMPRENANT DES VARIANTS D'EPISSAGE D'HISTIDYL-ARNT SYNTHETASE PRESENTANT DES ACTIVITES BIOLOGIQUES NON CANONIQUES**

[72] ZHOU, JIE, CN
[72] XU, ZHIWEN, CN
[72] LO, WING SZE, CN
[72] PIEHL, KRISTI HELEN, US
[72] GREENE, LESLIE ANN, US
[72] LAU, CHING FUN, CN
[73] PANGU BIOPHARMA LIMITED,
[73] ATYR PHARMA, INC.,
[85] 2011-09-15
[86] 2010-03-16 (PCT/US2010/027525)
[87] (WO2010/107825)
[30] US (61/160,630) 2009-03-16
[30] US (61/239,747) 2009-09-03

[11] **2,756,514**
[13] C

[51] **Int.Cl. C12N 9/04 (2006.01) D06M 16/00 (2006.01)**

[25] EN

[54] **USE OF ENZYMES TO REDUCE ALDEHYDES FROM ALDEHYDE-CONTAINING PRODUCTS**

[54] **UTILISATION D'ENZYMES POUR REDUIRE LES ALDEHYDES CONTENUS DANS DES PRODUITS CONTENANT DES ALDEHYDES**

[72] PIATESI, ANDREA, DE
[72] HABICHER, TILO, DE
[72] BUESCHEL, MICHAEL, DE
[72] WANG, LI-WEN, DE
[72] REICHERT, JUERGEN, DE
[72] PACKE-WIRTH, RAINER, DE
[72] BALDENIUS, KAI-UWE, DE
[72] KROMM, ERICH, DE
[72] HAEFNER, STEFAN, DE
[72] SCHWALB, CARSTEN, DE
[72] HOEFFKEN, HANS WOLFGANG, DE
[73] BASF SE,
[85] 2011-09-23
[86] 2010-03-31 (PCT/EP2010/054284)
[87] (WO2010/115797)
[30] EP (09157522.5) 2009-04-07

**Canadian Patents Issued
March 24, 2020**

[11] **2,757,688**
[13] C

[51] **Int.Cl. C11D 7/60 (2006.01) C11D 7/26 (2006.01) C11D 17/08 (2006.01)**

[25] EN

[54] **FAST DRYING AND FAST DRAINING RINSE AID**

[54] **AGENT DE RINCAGE PERMETTANT UN SECHAGE RAPIDE ET UN EGOUTTAGE RAPIDE**

[72] KIEFFER, JANEL M., US

[72] MAN, VICTOR F., US

[72] LENTSCH, STEVEN E., US

[73] ECOLAB USA INC.,

[85] 2011-10-04

[86] 2010-05-12 (PCT/IB2010/052129)

[87] (WO2010/131217)

[30] US (61/177,444) 2009-05-12

[11] **2,759,535**
[13] C

[51] **Int.Cl. C08F 2/01 (2006.01) G01N 21/3577 (2014.01) G01N 21/359 (2014.01)**

[25] EN

[54] **DOUBLE DERIVATIVE NIR PROCESS CONTROL**

[54] **CONTROLE DE PROCEDE PAR DOUBLE DERIVATION DANS LE PROCHE INFRAROUGE**

[72] LACOMBE, YVES, CA

[73] NOVA CHEMICALS CORPORATION,

[86] (2759535)

[87] (2759535)

[22] 2011-11-29

[30] US (12,931,520) 2011-02-03

[11] **2,760,547**
[13] C

[51] **Int.Cl. C07D 311/82 (2006.01) A61K 31/352 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **SCHWEINFURTHINS AND USES THEREOF**

[54] **SCHWEINFURTHINES ET LEURS UTILISATIONS**

[72] REILLY, KARLYNE, US

[72] TURBYVILLE, THOMAS, US

[72] BEUTLER, JOHN, A., US

[72] WIEMER, DAVID, US

[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMT OF HEALTH AND HUMAN SERVICES,

[73] UNIVERSITY OF IOWA RESEARCH FOUNDATION,

[85] 2011-10-28

[86] 2010-04-30 (PCT/US2010/033153)

[87] (WO2010/127235)

[30] US (61/174,338) 2009-04-30

[11] **2,763,602**
[13] C

[51] **Int.Cl. F04B 17/00 (2006.01) F04B 43/06 (2006.01) F04F 1/16 (2006.01)**

[25] EN

[54] **APPARATUS EMPLOYING PRESSURE TRANSIENTS FOR TRANSPORTING FLUIDS**

[54] **APPAREIL UTILISANT DES TRANSITOIRES DE PRESSION POUR TRANSPORTER DES FLUIDES**

[72] PAULSEN, JIM-VIKTOR, NO

[73] IMPACT TECHNOLOGY SYSTEMS AS,

[85] 2011-11-25

[86] 2010-05-26 (PCT/NO2010/000190)

[87] (WO2010/137991)

[30] NO (2009 2071) 2009-05-27

[11] **2,763,678**
[13] C

[51] **Int.Cl. G06Q 30/02 (2012.01) H04N 21/236 (2011.01) H04N 21/258 (2011.01)**

[25] EN

[54] **CONTINUOUS RE-INSERTION OF ADVERTISEMENTS IN VIDEO CONTENT**

[54] **REMISE EN PLACE CONTINUE DE PUBLICITES DANS UN CONTENU VIDEO**

[72] NIEMEIJER, GERRIT, US

[72] FIFE, ANDREW, US

[72] HABERMAN, SETH, US

[73] VISIBLE WORLD, LLC,

[85] 2011-11-25

[86] 2010-05-27 (PCT/US2010/036494)

[87] (WO2010/138778)

[30] US (61/181,535) 2009-05-27

[11] **2,764,537**
[13] C

[51] **Int.Cl. B21D 19/00 (2006.01)**

[25] EN

[54] **BEVELLING APPARATUS FOR PIPE RE-FACING MACHINE**

[54] **DISPOSITIF DE BISEAUTAGE POUR MACHINE A RECTIFIER LES TUYAUX**

[72] LEBLANC, COLIN DENIS, CA

[72] SPURRELL, WILLIAM ANTHONY, CA

[72] STUART, VINCENT JOSEPH, CA

[72] FLYNN, ROBERT, CA

[73] LEBLANC, COLIN DENIS,

[73] SPURRELL, WILLIAM ANTHONY,

[73] STUART, VINCENT JOSEPH,

[73] FLYNN, ROBERT,

[86] (2764537)

[87] (2764537)

[22] 2012-01-19

[30] US (61/434,232) 2011-01-19

Brevets canadiens délivrés
24 mars 2020

[11] **2,766,341**
[13] C

[51] **Int.Cl. A61B 5/06 (2006.01) A61B 34/20 (2016.01)**

[25] EN

[54] **APPARATUS, SYSTEMS, AND METHODS FOR LOCALIZING MARKERS OR TISSUE STRUCTURES WITHIN A BODY**

[54] **APPAREILS, SYSTEMES ET METHODES PERMETTANT DE LOCALISER DES MARQUEURS OU DES STRUCTURES DE TISSU DANS UN CORPS**

[72] CHI SING, EDUARDO, US

[72] COLE, MARK A., US

[72] NGUYEN, TOMMY G., US

[73] CIANNA MEDICAL, INC.,

[85] 2011-12-21

[86] 2010-06-25 (PCT/US2010/040107)

[87] (WO2010/151843)

[30] US (61/220,900) 2009-06-26

[30] US (61/255,469) 2009-10-27

[30] US (61/297,694) 2010-01-22

[11] **2,766,440**
[13] C

[51] **Int.Cl. G21C 21/00 (2006.01) E04G 1/15 (2006.01) G21C 17/017 (2006.01)**

[25] EN

[54] **FEEDER PLATFORM FOR NUCLEAR REACTOR**

[54] **PLATE-FORME DE CONDUITES D'ALIMENTATION POUR REACTEUR NUCLEAIRE**

[72] KORELL, NORMAN DAVID WILSON, CA

[72] LAPAGE, PIERRE JEAN PAUL, CA

[73] ATOMIC ENERGY OF CANADA LIMITED,

[86] (2766440)

[87] (2766440)

[22] 2012-01-16

[30] US (61/432,960) 2011-01-14

[11] **2,766,583**
[13] C

[51] **Int.Cl. G21C 17/017 (2006.01) G21C 19/10 (2006.01) G21C 21/00 (2006.01)**

[25] EN

[54] **METHODS AND APPARATUS FOR HANDLING MATERIALS FOR RETUBING OF A NUCLEAR REACTOR**

[54] **DISPOSITIF ET METHODES DE MANIPULATION DE MATERIAUX DESTINES AU RETUBAGE D'UN REACTEUR NUCLEAIRE**

[72] FRANCIS, CHRIS DUDLEY, CA

[72] CHUNG, SUNG HWAN, CA

[72] MURDOCH, BRYAN JOHN, CA

[73] ATOMIC ENERGY OF CANADA LIMITED,

[86] (2766583)

[87] (2766583)

[22] 2012-01-16

[30] US (61/433,398) 2011-01-17

[11] **2,766,629**
[13] C

[51] **Int.Cl. A61K 39/085 (2006.01)**

[25] EN

[54] **IMMUNOGENIC COMPOSITIONS OF STAPHYLOCOCCUS AUREUS ANTIGENS**

[54] **COMPOSITIONS IMMUNOGENES D'ANTIGENES DE STAPHYLOCOCCUS AUREUS**

[72] ANDERSON, ANNALIESA, US

[72] PAVLIAK, VILIAM, US

[72] JANSEN, KATHRIN UTE, US

[72] DODGE, INGRID LEA, US

[72] BAKER, STEVEN MORRIS, US

[72] NANRA, JASDEEP SINGH, US

[72] MURPHY, ELLEN, US

[72] GREEN, BRUCE ARTHUR, US

[72] RUPPEN, MARK EDWARD, US

[72] TIMOFEYEVA, YEKATERINA, US

[73] WYETH LLC,

[85] 2011-12-22

[86] 2010-06-22 (PCT/US2010/039510)

[87] (WO2010/151544)

[30] US (61/219,134) 2009-06-22

[11] **2,767,021**
[13] C

[51] **Int.Cl. C22C 38/46 (2006.01) B21C 37/06 (2006.01) C21D 9/08 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/44 (2006.01) E21B 17/00 (2006.01) F16L 9/02 (2006.01)**

[25] EN

[54] **HEAVY WALL STEEL PIPES WITH EXCELLENT TOUGHNESS AT LOW TEMPERATURE AND SULFIDE STRESS CORROSION CRACKING RESISTANCE**

[54] **TUYAUX D'ACIER A PAROI ROBUSTE JOUISSANT D'UNE EXCELLENTE RESISTANCE AUX BASSES TEMPERATURES ALLIEE A UNE RESISTANCE AU CRAQUAGE PAR EFFET DES CONTRAINTES ENGENDREES PAR LA CORROSION DUE AUX SULFURES**

[72] ANELLI, ETTORE, IT

[72] ARMENGOL, MARIANO, IT

[72] NOVELLI, PAOLO, IT

[72] TINTORI, FEDERICO, IT

[73] DALMINE S.P.A.,

[86] (2767021)

[87] (2767021)

[22] 2012-02-06

[30] IT (MI2011A000179) 2011-02-07

[11] **2,767,182**
[13] C

[51] **Int.Cl. G01N 35/10 (2006.01) G01N 33/48 (2006.01)**

[25] EN

[54] **DROPLET GENERATION FOR DROPLET-BASED ASSAYS**

[54] **GENERATION DE GOUTTELETTES POUR DOSAGES SUR GOUTTELETTES**

[72] NESS, KEVIN D., US

[72] KELLY, CHRISTOPHER F., US

[72] MASQUELIER, DONALD A., US

[73] BIO-RAD LABORATORIES, INC.,

[85] 2011-12-30

[86] 2011-03-25 (PCT/US2011/030101)

[87] (WO2011/120024)

[30] US (61/341,218) 2010-03-25

**Canadian Patents Issued
March 24, 2020**

[11] **2,768,600**
[13] C

[51] **Int.Cl. A61K 48/00 (2006.01) C12N 5/16 (2006.01)**
[25] EN
[54] **VACCINE COMPOSITION COMPRISING 5'-CAP MODIFIED RNA**
[54] **COMPOSITION VACCINALE CONTENANT DE L'ARN DONT LA COIFFE EN 5' EST MODIFIEE**
[72] SAHIN, UGUR, DE
[72] KUHN, ANDREAS, DE
[72] DARZYNKIEWICZ, EDWARD, PL
[72] JEMIELITY, JACEK, PL
[72] KOWALSKA, JOANNA, PL
[73] UNIWERSYTET WARSZAWSKI,
[73] BIONTECH RNA PHARMACEUTICALS GMBH,
[73] TRON - TRANSLATIONALE ONKOLOGIE AN DER UNIVERSITATSMEDIZIN DER JOHANNEGUTENBERG-UNIVERSITAT MAINZ GEMEINNUTZIGE GMBH,
[85] 2012-01-18
[86] 2010-08-03 (PCT/EP2010/004760)
[87] (WO2011/015347)
[30] EP (09010124.7) 2009-08-05

[11] **2,770,822**
[13] C

[51] **Int.Cl. A61K 38/00 (2006.01) A61P 7/06 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **COMBINED USE OF GDF TRAPS AND ERYTHROPOIETIN RECEPTOR ACTIVATORS TO INCREASE RED BLOOD CELL LEVELS**
[54] **UTILISATION COMBINEE DE PIEGES GDF ET D'ACTIVATEURS DU RECEPTEUR DE L'ERYTHROPOIETINE POUR AUGMENTER LES TAUX DE GLOBULES ROUGES**
[72] SEEHRA, JASBIR, US
[72] PEARSALL, ROBERT SCOTT, US
[72] KUMAR, RAVINDRA, US
[73] ACCELERON PHARMA INC.,
[85] 2012-02-10
[86] 2010-08-13 (PCT/US2010/045509)
[87] (WO2011/020045)
[30] US (PCT/US2009/004659) 2009-08-13
[30] US (12/583,177) 2009-08-13
[30] US (61/305,901) 2010-02-18

[11] **2,771,094**
[13] C

[51] **Int.Cl. G06F 16/50 (2019.01) G06F 16/53 (2019.01)**
[25] EN
[54] **ARCHITECTURE FOR RESPONDING TO A VISUAL QUERY**
[54] **ARCHITECTURE POUR REPENDRE A UNE INTERROGATION VISUELLE**
[72] PETROU, DAVID, US
[73] GOOGLE LLC,
[85] 2012-02-06
[86] 2010-08-05 (PCT/US2010/044603)
[87] (WO2011/017557)
[30] US (61/232,397) 2009-08-07
[30] US (61/266,116) 2009-12-02
[30] US (12/850,483) 2010-08-04

[11] **2,775,118**
[13] C

[51] **Int.Cl. C07B 59/00 (2006.01) C07D 211/14 (2006.01) C07D 401/12 (2006.01)**
[25] EN
[54] **MASS LABELS**
[54] **MARQUEURS DE MASSE**
[72] BAUMANN, CHRISTIAN, GB
[72] KUHN, KARSTEN, DE
[72] LEGNER, HARALD, DE
[72] KIENLE, STEFAN, DE
[73] ELECTROPHORETICS LIMITED,
[85] 2012-03-23
[86] 2010-09-08 (PCT/EP2010/063191)
[87] (WO2011/036059)
[30] GB (0916881.6) 2009-09-25

[11] **2,775,246**
[13] C

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/20 (2006.01) A61K 36/81 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING SOLANUM GLAUCOPHYLLUM FOR PREVENTING AND/OR TREATING HYPOCALCAEMIA AND FOR STABILIZING BLOOD CALCIUM LEVELS**
[54] **COMPOSITION COMPRENANT DU SOLANUM GLAUCOPHYLLUM DESTINEE A LA PREVENTION ET/OU AU TRAITEMENT DE L'HYPOCALCEMIE ET A LA STABILISATION DES NIVEAUX DE CALCIUM DANS LE SANG**
[72] BACHMANN, HEINRICH, CH
[72] RAMBECK, WALTER, DE
[73] HERBONIS AG,
[85] 2012-03-23
[86] 2010-10-20 (PCT/EP2010/065795)
[87] (WO2011/048144)
[30] CH (01611/09) 2009-10-20

[11] **2,776,656**
[13] C

[51] **Int.Cl. H04W 4/00 (2018.01) H04W 12/08 (2009.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **METHODS AND APPARATUS TO ASSOCIATE A MOBILE DEVICE WITH A PANELIST PROFILE**
[54] **PROCEDES ET APPAREIL POUR ASSOCIER UN DISPOSITIF MOBILE AU PROFIL D'UN PANELISTE**
[72] HANNAOUI, MOHAMAD, US
[72] WILLIAMSON, RALPH K., US
[73] THE NIELSEN COMPANY (US), LLC,
[86] (2776656)
[87] (2776656)
[22] 2012-05-04
[30] US (13/117,657) 2011-05-27

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,777,314**
[13] E

[51] **Int.Cl. C07D 257/02 (2006.01) A61K 49/10 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF CALCOBUTROL**
[54] **PROCEDE POUR LA PREPARATION DE CALCOBUTROL**
[72] PLATZEK, JOHANNES, DE
[72] TRENTMANN, WILHELM, DE
[73] BAYER INTELLECTUAL PROPERTY GMBH,
[85] 2012-04-11
[86] 2010-11-02 (PCT/EP2010/066655)
[87] (WO2011/054827)
[48] 2020-03-24
[30] DE (10 2009 053 171.8) 2009-11-04

[11] **2,777,889**
[13] C

[51] **Int.Cl. A21D 13/41 (2017.01) A21D 13/19 (2017.01) A21D 13/31 (2017.01) A21D 8/00 (2006.01)**
[25] EN
[54] **PIZZA SANDWICH**
[54] **PIZZA SANDWICH**
[72] DODD, KRISTIN N., US
[72] GREINER, STEVEN P., US
[72] CONWAY, BERNARD WILLIAM, US
[72] YOST, RACHEL MICHELLE, US
[72] FOSTER, LISA A., US
[72] STOCKWELL, PATRICIA, US
[73] SOCIETE DES PRODUITS NESTLE S.A.,
[85] 2012-04-17
[86] 2010-09-28 (PCT/EP2010/064297)
[87] (WO2011/051062)
[30] US (12/609,638) 2009-10-30

[11] **2,777,951**
[13] C

[51] **Int.Cl. A47K 3/08 (2006.01) A47K 3/20 (2006.01) A47K 3/30 (2006.01) F16B 5/02 (2006.01) F16B 12/14 (2006.01) F16B 35/04 (2006.01)**
[25] EN
[54] **SHOWER ENCLOSURE**
[54] **ENCEINTE DE DOUCHE**
[72] GRONER, DAVID M., US
[72] MILFORD, BRIAN A., US
[73] CLARION BATHWARE, INC.,
[86] (2777951)
[87] (2777951)
[22] 2012-05-25
[30] US (61/489,785) 2011-05-25
[30] US (13/480,519) 2012-05-25

[11] **2,777,959**
[13] C

[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **SURFACING DIGITAL COUPONS TO CUSTOMERS**
[54] **REMONTEE DE BONS NUMERIQUE VERS DES CLIENTS**
[72] MCCANN, MONICA THERESA, US
[72] ALLOCCA, WILLIAM W., US
[72] CHANG, BRANDON R.I., US
[72] NICKERSON, HENRY ROBERT, US
[72] GULBRANDSEN, MARK S., US
[72] HERRINGTON, DOUGLAS J., US
[72] KUMAR, DILIP S., US
[72] SHIMADA, JAMES J., US
[72] DEMARCO, PAUL D., US
[73] AMAZON TECHNOLOGIES, INC.,
[85] 2012-04-16
[86] 2010-10-22 (PCT/US2010/053735)
[87] (WO2011/053528)
[30] US (12/608,679) 2009-10-29

[11] **2,780,135**
[13] C

[51] **Int.Cl. B60R 25/10 (2013.01)**
[25] EN
[54] **VEHICLE INTERLOCK WITH LOCATION DETECTION**
[54] **DISPOSITIF DE BLOCAGE POUR VEHICULE AVEC DETECTION D'EMPLACEMENT**
[72] CONNERTY, DENISE L., CA
[73] ALCOHOL COUNTERMEASURE SYSTEMS (INTERNATIONAL) INC.,
[86] (2780135)
[87] (2780135)
[22] 2012-06-18

[11] **2,783,066**
[13] C

[51] **Int.Cl. A47G 21/00 (2006.01) A47G 29/00 (2006.01) B65H 1/06 (2006.01)**
[25] EN
[54] **CUTLERY DISPENSER**
[54] **DISTRIBUTEUR DE COUVERTS**
[72] OAKES, SHAWN A., US
[73] GPCP IP HOLDINGS LLC,
[86] (2783066)
[87] (2783066)
[22] 2012-07-13
[30] US (13/213,632) 2011-08-19

[11] **2,780,542**
[13] C

[51] **Int.Cl. C07K 19/00 (2006.01) A61K 38/17 (2006.01) A61P 7/00 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **VON WILLEBRAND FACTOR (VWF)-CONTAINING PREPARATIONS, AND METHODS, KITS, AND USES RELATED THERETO**
[54] **PREPARATIONS CONTENANT LE FACTEUR DE VON WILLEBRAND (VWF) ET PROCEDES, COFFRETS ET UTILISATIONS S'Y RAPPORTANT**
[72] BARNETT, THOMAS, US
[73] GRIFOLS THERAPEUTICS INC.,
[85] 2012-05-09
[86] 2010-11-12 (PCT/US2010/056496)
[87] (WO2011/060242)
[30] US (61/261,145) 2009-11-13

[11] **2,781,455**
[13] C

[51] **Int.Cl. F03D 3/06 (2006.01)**
[25] EN
[54] **A TURBINE WITH A SHIELD MEMBER**
[54] **UNE TURBINE DOTEES D'UN ELEMENT PROTECTEUR**
[72] TAY, BOB, GB
[72] FENWICK-WILSON, ANTHONY, GB
[72] CROSS, MARK, GB
[72] CROFT, NICK, GB
[72] ROLLAND, SAM, GB
[72] WILLIAMS, ALISON, GB
[73] CROSS-FLOW ENERGY COMPANY LIMITED,
[85] 2012-05-18
[86] 2010-08-09 (PCT/GB2010/051313)
[87] (WO2011/018651)
[30] GB (0913877.7) 2009-08-10
[30] GB (0920929.7) 2009-11-30

**Canadian Patents Issued
March 24, 2020**

[11] **2,783,376**
[13] C

[51] **Int.Cl. F41H 1/02 (2006.01) B32B 5/26 (2006.01) D03D 15/00 (2006.01) D06M 11/83 (2006.01) D06M 15/19 (2006.01) F41H 5/00 (2006.01)**

[25] EN

[54] **PENETRATION RESISTANT ARTICLES**

[54] **ARTICLES RESISTANT A LA PENETRATION**

[72] ROCKENFELLER, UWE, US

[72] KHALILI, KAVEH, US

[73] ROCKY RESEARCH,

[86] (2783376)

[87] (2783376)

[22] 2012-07-19

[30] US (13/193,497) 2011-07-28

[11] **2,784,106**
[13] C

[51] **Int.Cl. C12N 15/82 (2006.01) A01H 1/02 (2006.01) C07H 21/00 (2006.01) C07K 14/325 (2006.01) C12N 5/10 (2006.01) C12N 15/11 (2006.01) C12N 15/32 (2006.01)**

[25] EN

[54] **MAIZE EVENT DP-004114-3 AND METHODS FOR DETECTION THEREOF**

[54] **EVENEMENT DE TRANSFORMATION DP-004114-3 DU MAIS ET SON PROCEDE DE DETECTION**

[72] DIEHN, SCOTT, US

[72] LU, ALBERT L., US

[72] NOWATZKI, TIMOTHY M., US

[72] NUBEL, DOUGLAS STUART, US

[72] REGISTER, JAMES CALVIN, III, US

[72] SCELONGE, CHRISTOPHER JAY, US

[72] VILLANELO, M. ALEJANDRA PASCUAL, US

[72] YOUNG, JOSHUA K., US

[72] ZHONG, CATHY XIAOYAN, US

[72] CROWGEY, ERIN, US

[73] PIONEER HI-BRED INTERNATIONAL, INC.,

[73] E.I. DUPONT DE NEMOURS AND COMPANY,

[85] 2012-06-12

[86] 2010-12-16 (PCT/US2010/060818)

[87] (WO2011/084621)

[30] US (61/287,462) 2009-12-17

[30] US (61/413,536) 2010-11-15

[11] **2,784,108**
[13] C

[51] **Int.Cl. B32B 5/12 (2006.01) B32B 5/08 (2006.01) B32B 5/28 (2006.01) F41H 5/04 (2006.01)**

[25] EN

[54] **PROCESS FOR THE MANUFACTURE OF A MULTILAYER MATERIAL SHEET, MULTILAYER MATERIAL SHEET AND USE THEREOF**

[54] **PROCEDE DE FABRICATION D'UNE FEUILLE DE MATERIAU MULTICOUCHE, FEUILLE DE MATERIAU MULTICOUCHE ET UTILISATION ASSOCIEE**

[72] PUTTEN VAN, KOEN, NL

[72] WILMS, JOHANNES MARIA MATHIAS, NL

[72] VAN KLINKEN, ERNST JAN, NL

[72] VAN DER WERFF, HARM, NL

[72] MARISSSEN, ROELOF, NL

[72] NIELABA, LEONARD JOSEF ARNOLD, NL

[73] DSM IP ASSETS B.V.,

[85] 2012-06-12

[86] 2010-12-16 (PCT/EP2010/069939)

[87] (WO2011/073331)

[30] EP (09179673.0) 2009-12-17

[11] **2,787,092**
[13] C

[51] **Int.Cl. A61H 19/00 (2006.01) A61H 23/02 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR FEMALE THERAPEUTIC MASSAGE**

[54] **PROCEDE ET DISPOSITIF DE MASSAGE THERAPEUTIQUE POUR FEMME**

[72] MCGOUGH, PAUL STEPHEN, US

[73] MCGOUGH, PAUL STEPHEN,

[85] 2012-07-13

[86] 2011-01-31 (PCT/US2011/023195)

[87] (WO2011/094698)

[30] US (61/295,683) 2010-02-01

[30] US (13/017,025) 2011-01-30

[11] **2,787,851**
[13] C

[51] **Int.Cl. G01V 3/38 (2006.01) G01V 1/40 (2006.01)**

[25] EN

[54] **ROCK PROPERTY MEASUREMENTS WHILE DRILLING**

[54] **MESURES DE PROPRIETES DE ROCHE EN COURS DE FORAGE**

[72] ZHOU, HANG, AU

[72] HATHERLY, PETER JAMES, AU

[73] TECHNOLOGICAL RESOURCES PTY. LIMITED,

[85] 2012-07-23

[86] 2011-02-04 (PCT/AU2011/000116)

[87] (WO2011/094817)

[30] AU (2010900466) 2010-02-05

[11] **2,787,921**
[13] C

[51] **Int.Cl. H04L 9/32 (2006.01)**

[25] EN

[54] **A NEW METHOD FOR SECURE USER AND TRANSACTION AUTHENTICATION AND RISK MANAGEMENT**

[54] **NOUVEAU PROCEDE D'AUTHENTIFICATION SURE D'UN UTILISATEUR ET D'UNE TRANSACTION ET DE GESTION DES RISQUES**

[72] GANESAN, RAVI, US

[73] EARLY WARNING SERVICES, LLC,

[85] 2012-07-23

[86] 2011-01-26 (PCT/US2011/022486)

[87] (WO2011/094245)

[30] US (61/298,551) 2010-01-27

[30] US (13/011,587) 2011-01-21

[11] **2,788,389**
[13] C

[51] **Int.Cl. H04R 25/00 (2006.01) H04B 7/06 (2006.01) H04B 7/26 (2006.01)**

[25] EN

[54] **WIRELESS SOUND TRANSMISSION SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE DE TRANSMISSION DU SON PAR ONDES RADIOELECTRIQUES**

[72] EL-HOIYDI, AMRE, CH

[73] SONOVA AG,

[85] 2012-07-27

[86] 2010-02-12 (PCT/EP2010/051812)

[87] (WO2011/098140)

Brevets canadiens délivrés
24 mars 2020

[11] **2,788,798**
[13] C

[51] **Int.Cl. B01D 27/08 (2006.01)**
[25] EN
[54] **FILTER UNIT WITH OFFSET
ENGAGEMENT PROTRUSION**
[54] **ENSEMBLE DE FILTRATION
AYANT UNE PARTIE SAILLANTE
D'ENGAGEMENT DECALEE**
[72] KRUCKENBERG, CHRISTOPHER A.,
US
[72] MORRISON, JOHN W., US
[72] SPINDLER, JEFFREY A., US
[73] WHIRLPOOL CORPORATION,
[86] (2788798)
[87] (2788798)
[22] 2012-09-06
[30] US (13/233,410) 2011-09-15

[11] **2,789,404**
[13] C

[51] **Int.Cl. A61K 31/7105 (2006.01) C12N
15/113 (2010.01) A61K 31/7088
(2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS
FOR THE DETECTION AND
TREATMENT OF CANCER
INVOLVING MIRNAS AND
MIRNA INHIBITORS AND
TARGETS**
[54] **PROCEDES ET COMPOSITIONS
DESTINES A LA DETECTION ET
AU TRAITEMENT DU CANCER
IMPLIQUANT DES MIARN ET
DES INHIBITEURS DES MIARN
AINSI QUE DES CIBLES**
[72] DE KEERSMAECKER, KIM, BE
[72] FERRANDO, ADOLFO A., US
[72] MAVRAKIS, KONSTANTINOS
JOHN, US
[72] ORICCHIO, ELISA, US
[72] PALOMERO, TERESA, US
[72] SPELEMAN, FRANKI, BE
[72] VAN VLIERBERGHE, PETER, BE
[72] WENDEL, HANS-GUIDO, US
[72] WOLFE, ANDREW L., US
[73] MEMORIAL SLOAN-KETTERING
CANCER CENTER,
[73] GHENT UNIVERSITY,
[73] COLUMBIA UNIVERSITY,
[85] 2012-08-09
[86] 2011-02-28 (PCT/US2011/000365)
[87] (WO2011/106104)
[30] US (61/339,072) 2010-02-26
[30] US (61/460,217) 2010-12-28

[11] **2,789,440**
[13] C

[51] **Int.Cl. C07D 403/04 (2006.01) A61K
31/4184 (2006.01) A61K 31/454
(2006.01) A61K 31/4709 (2006.01)
A61K 31/5377 (2006.01) A61P 1/04
(2006.01) A61P 25/18 (2006.01) A61P
25/28 (2006.01) A61P 29/00 (2006.01)
A61P 31/04 (2006.01) A61P 35/00
(2006.01) C07D 401/04 (2006.01)
C07D 403/10 (2006.01) C07D 403/14
(2006.01) C07D 405/10 (2006.01)**
[25] EN
[54] **HETEROCYCLIC INHIBITORS OF
GLUTAMINYL CYCLASE (QC, EC
2.3.2.5)**
[54] **INHIBITEURS
HETEROCYCLIQUES DE LA
GLUTAMINYL CYCLASE (QC, EC
2.3.2.5)**
[72] HEISER, ULRICH, DE
[72] GAERTNER, ULF-TORSTEN, DE
[72] DEMUTH, HANS-ULRICH, DE
[73] PROBIODRUG AG,
[85] 2012-08-09
[86] 2011-03-10 (PCT/EP2011/053576)
[87] (WO2011/110613)
[30] US (61/312,339) 2010-03-10

[11] **2,789,621**
[13] C

[51] **Int.Cl. C07C 17/10 (2006.01) B01J
27/135 (2006.01) C07C 21/18
(2006.01)**
[25] EN
[54] **INTEGRATED PROCESS AND
METHODS OF PRODUCING (E)-1-
CHLORO-3,3,3-
TRIFLUOROPROPENE**
[54] **PROCEDE INTEGRE ET
METHODES DE PRODUCTION DE
(E)-1-CHLORO-3,3,3-
TRIFLUOROPROPENE**
[72] TUNG, HSUEH S., US
[72] JOHNSON, ROBERT, US
[72] POKROVSKI, KONSTANTIN, US
[72] MERKEL, DANIEL C., US
[73] HONEYWELL INTERNATIONAL
INC.,
[85] 2012-08-10
[86] 2011-02-11 (PCT/US2011/024483)
[87] (WO2011/103035)
[30] US (61/305,803) 2010-02-18
[30] US (61/379,633) 2010-09-02
[30] US (13/019,823) 2011-02-02

[11] **2,789,682**
[13] C

[51] **Int.Cl. B81C 1/00 (2006.01) A61B 5/00
(2006.01) A61B 10/04 (2006.01) G01N
1/00 (2006.01)**
[25] EN
[54] **METHOD OF FABRICATING
MICRO-DEVICES**
[54] **PROCEDE DE FABRICATION DE
MICRO-DISPOSITIFS**
[72] YU, CHRIS C., US
[73] ANPAC BIO-MEDICAL SCIENCE
CO., LTD.,
[85] 2012-08-13
[86] 2011-02-13 (PCT/US2011/024672)
[87] (WO2011/103041)
[30] US (12/707,731) 2010-02-18

[11] **2,789,874**
[13] C

[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q
1/6813 (2018.01) C12Q 1/6816
(2018.01) C12Q 1/6844 (2018.01)**
[25] EN
[54] **METHODS AND MATERIALS FOR
ASSESSING RNA EXPRESSION**
[54] **PROCEDES ET MATERIAUX
POUR L'EVALUATION DE
L'EXPRESSION D'ARN**
[72] SMITH, KENNETH D., US
[72] YAZVENKO, NINA, US
[72] SMIT, MARIYA, US
[73] CASCADE BIOSYSTEMS, INC.,
[85] 2012-08-15
[86] 2011-02-15 (PCT/US2011/024916)
[87] (WO2011/100752)
[30] US (61/304,798) 2010-02-15

**Canadian Patents Issued
March 24, 2020**

[11] **2,790,428**
[13] C

[51] **Int.Cl. H05B 6/44 (2006.01) H05B 6/06 (2006.01) H05B 6/04 (2006.01)**
[25] EN
[54] **INDUCTION HEATING USING INDUCTION COILS IN SERIES-PARALLEL CIRCUITS**
[54] **CHAUFFAGE PAR INDUCTION A BOBINES D'INDUCTION DANS DES CIRCUITS SERIES-PARALLELES**
[72] MATSEN, MARC R., US
[72] GEREN, WILLIAM P., US
[72] MILLER, ROBERT J., US
[72] NEGLEY, MARK A., US
[72] DYKSTRA, WILLIAM C., US
[73] THE BOEING COMPANY,
[86] (2790428)
[87] (2790428)
[22] 2012-09-19
[30] US (13/248,134) 2011-09-29

[11] **2,790,523**
[13] C

[51] **Int.Cl. E21B 10/56 (2006.01)**
[25] EN
[54] **ROTARY DRAG BIT**
[54] **TREPAN A LAMES ROTATIVES**
[72] KNULL, CRAIG, CA
[72] MAW, JASON, CA
[73] ULTERRA DRILLING TECHNOLOGIES, L.P.,
[86] (2790523)
[87] (2790523)
[22] 2012-09-21
[30] US (13/241,795) 2011-09-23

[11] **2,790,850**
[13] C

[51] **Int.Cl. B01F 5/06 (2006.01)**
[25] EN
[54] **VENTURI EDUCTOR WITH ADJUSTABLE FLOW RESTRICTOR**
[54] **EDUCTEUR DE VENTURI AVEC LIMITEUR DE DEBIT REGLABLE**
[72] BUNOZ, ETIENNE VINCENT, GB
[73] BRIGHTWELL DISPENSERS LIMITED,
[86] (2790850)
[87] (2790850)
[22] 2012-09-25
[30] GB (1117194.9) 2011-10-04

[11] **2,792,191**
[13] C

[51] **Int.Cl. B60P 1/56 (2006.01) B60P 3/00 (2006.01) B61D 7/00 (2006.01)**
[25] EN
[54] **HOPPER FOR TRANSPORTATION OF MINERAL OR AGGREGATE**
[54] **TREMIS POUR LE TRANSPORT DE MINERAI OU D'AGGREGAT**
[72] COTAL SEPULVEDA, RICHARD, CL
[73] COTAL SEPULVEDA, RICHARD,
[86] (2792191)
[87] (2792191)
[22] 2012-10-09
[30] CL (2538-2011) 2011-10-12

[11] **2,792,517**
[13] C

[51] **Int.Cl. A61K 47/44 (2017.01) A61K 9/10 (2006.01) A61K 39/395 (2006.01) A61K 47/12 (2006.01)**
[25] EN
[54] **NON-AQUEOUS HIGH CONCENTRATION REDUCED VISCOSITY SUSPENSION FORMULATIONS**
[54] **FORMULATIONS NON AQUEUSES DE MISE EN SUSPENSION DE VISCOSITE REDUITE, A HAUTE CONCENTRATION**
[72] HILL, BETH, US
[72] DAI, WEIGUO, US
[73] JANSSEN BIOTECH, INC.,
[85] 2012-09-07
[86] 2011-03-09 (PCT/US2011/027677)
[87] (WO2011/112669)
[30] US (61/311,896) 2010-03-09

[11] **2,792,587**
[13] C

[51] **Int.Cl. B60P 7/02 (2006.01) B62D 33/02 (2006.01)**
[25] EN
[54] **ROLL UP PICK-UP TRUCK BOX COVER WITH LOCK DOWN SLATS**
[54] **COUVERCLE DE BOITE DE CAMION A ENROULEMENT DOTE DE BARRES DE BLOCAGE**
[72] MAIMIN, ISRAEL, US
[72] MAIMIN, JULIAN, US
[73] LAURMARK ENTERPRISES, INC.,
[86] (2792587)
[87] (2792587)
[22] 2012-10-22
[30] US (61/553,828) 2011-10-31
[30] US (61/553,885) 2011-10-31
[30] US (61/553,814) 2011-10-31
[30] US (61/602,280) 2012-02-23
[30] US (61/621,921) 2012-04-09

[11] **2,792,755**
[13] C

[51] **Int.Cl. E21B 17/10 (2006.01) F04B 47/00 (2006.01)**
[25] EN
[54] **SUCKER ROD GUIDE**
[54] **GUIDE DE TIGE DE POMPAGE**
[72] PEREYRA, MATIAS, AR
[72] LEVRINO, ALEJANDRO, AR
[72] BOUILLARD, BERNARDO, AR
[73] TENARIS CONNECTIONS B.V.,
[86] (2792755)
[87] (2792755)
[22] 2012-10-16
[30] US (13/280,444) 2011-10-25

[11] **2,793,251**
[13] C

[51] **Int.Cl. C10L 1/16 (2006.01)**
[25] EN
[54] **PROCESS TO PREPARE JET FUELS AND ITS PRODUCTS**
[54] **PROCEDE POUR PREPARER DES CARBURANTS AVIATION ET SES PRODUITS**
[72] DAHLSTROM, MARY ANN, US
[72] HARTMAN, SCOTT JAMES SIEBERT, US
[72] TREDGET, CARA SIOBHAN, US
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.,
[86] (2793251)
[87] (2793251)
[22] 2012-10-25
[30] US (61/551,088) 2011-10-25

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,793,326**
[13] C

- [51] **Int.Cl. B01D 53/64 (2006.01)**
[25] EN
[54] **HOT-SIDE METHOD AND SYSTEM**
[54] **METHODE ET SYSTEME COTE CHAUD**
[72] DURHAM, MICHAEL D., US
[72] SJOSTROM, SHARON J., US
[72] BALDREY, KENNETH E., US
[73] ADA-ES, INC.,
[86] (2793326)
[87] (2793326)
[22] 2012-10-25
[30] US (13/281,066) 2011-10-25

[11] **2,793,836**
[13] C

- [51] **Int.Cl. A61K 31/5377 (2006.01) A61K 31/4184 (2006.01) A61K 31/428 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR CELL-PROLIFERATION-RELATED DISORDERS**
[54] **PROCEDES ET COMPOSITIONS POUR TROUBLES ASSOCIES A LA PROLIFERATION CELLULAIRE**
[72] SU, SHINSAN, US
[72] DANG, LENNY, US
[72] GROSS, STEFAN, US
[72] JIN, SHENGFANG, US
[72] CANTLEY, LEWIS C., US
[72] SAUNDERS, JEFFREY O., US
[72] FANTIN, VALERIA, US
[73] AGIOS PHARMACEUTICALS, INC.,
[85] 2012-09-19
[86] 2010-10-21 (PCT/US2010/053624)
[87] (WO2011/050211)
[30] US (61/253,818) 2009-10-21

[11] **2,795,259**
[13] C

- [51] **Int.Cl. A61N 5/06 (2006.01) A61B 18/18 (2006.01)**
[25] EN
[54] **CORRECTION OF FEMALE URINARY INCONTINENCE AND SKIN REDUCTION**
[54] **CORRECTION DE L'INCONTINENCE URINAIRE FEMININE ET REDUCTION DE LA PEAU**
[72] REIL, JULIE ANN, US
[73] GENITYTE, INC.,
[85] 2012-10-02
[86] 2011-04-04 (PCT/US2011/031125)
[87] (WO2011/123860)
[30] US (12/753,600) 2010-04-02
[30] US (12/754,466) 2010-04-05

[11] **2,795,463**
[13] C

- [51] **Int.Cl. A61B 50/30 (2016.01) A61B 17/86 (2006.01) A61C 8/00 (2006.01)**
[25] FR
[54] **PACKAGING FOR AN OBJECT AND SET COMPRISING SUCH PACKAGING**
[54] **EMBALLAGE POUR OBJET ET ENSEMBLE COMPRENANT UN TEL EMBALLAGE**
[72] RICHART, OLIVIER, FR
[73] DEPUY SYNTHES PRODUCTS, INC.,
[85] 2012-10-04
[86] 2011-04-22 (PCT/FR2011/050943)
[87] (WO2011/135246)
[30] FR (1053191) 2010-04-27

[11] **2,795,518**
[13] C

- [51] **Int.Cl. C12N 5/073 (2010.01) A61K 35/50 (2015.01) A61P 9/00 (2006.01) C12N 11/00 (2006.01)**
[25] EN
[54] **ANGIOGENESIS USING PLACENTAL STEM CELLS**
[54] **ANGIOGENESE EMPLOYANT DES CELLULES SOUCHES PLACENTAIRES**
[72] ABBOT, STEWART, US
[72] EDINGER, JAMES W., US
[72] FRANCKI, ALEKSANDER, US
[72] HARIRI, ROBERT J., US
[72] JANKOVIC, VLADIMIR, US
[72] KAPLUNOVSKY, ALEKSANDR, US
[72] LABAZZO, KRISTEN, US
[72] LAW, ERIC, US
[72] PADLIYA, NEERAV D., US
[72] PAREDES, JENNIFER, US
[72] WANG, JIA-LUN, US
[73] CELULARITY, INC.,
[85] 2012-10-04
[86] 2011-04-06 (PCT/US2011/031335)
[87] (WO2011/127117)
[30] US (61/321,822) 2010-04-07

[11] **2,795,550**
[13] C

- [51] **Int.Cl. A61K 47/30 (2006.01) A61K 31/551 (2006.01) A61K 47/32 (2006.01) A61K 47/38 (2006.01)**
[25] EN
[54] **SOLID DOSAGE FORMULATIONS OF AN OREXIN RECEPTOR ANTAGONIST**
[54] **FORMES PHARMACEUTIQUES POSOLOGIQUES SOLIDES D'UN ANTAGONISTE DES RECEPTEURS DES OREXINES**
[72] HARMON, PAUL A., US
[72] VARIANKAVAL, NARAYAN, US
[73] MERCK SHARP & DOHME CORP.,
[86] (2795550)
[87] (2795550)
[22] 2012-11-13
[30] US (61/653,539) 2012-05-31

**Canadian Patents Issued
March 24, 2020**

[11] **2,795,601**
[13] C

[51] **Int.Cl. G06F 21/32 (2013.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DETERMINING BIOMETRIC DATA FOR USE IN AUTHENTICATION TRANSACTIONS**
[54] **METHODES ET SYSTEMES DE DETERMINATION DES DONNEES BIOMETRIQUES SERVANT A AUTHENTIFIER DES TRANSACTIONS**
[72] PEIRCE, MICHAEL, IE
[73] DAON HOLDINGS LIMITED,
[86] (2795601)
[87] (2795601)
[22] 2012-11-13
[30] US (13/301,992) 2011-11-22

[11] **2,795,855**
[13] C

[51] **Int.Cl. G06F 30/10 (2020.01) G06F 3/0481 (2013.01) G06F 30/12 (2020.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DESIGNING A MODELED ASSEMBLY OF AT LEAST ONE OBJECT IN A COMPUTER-AIDED DESIGN SYSTEM**
[54] **PROCEDE ET SYSTEME DE CONCEPTION D'ENSEMBLE MODELISE D'AU MOINS UN OBJET DANS UN SYSTEME DE CONCEPTION ASSISTEE PAR ORDINATEUR**
[72] MASSON, HUBERT, FR
[72] ARRIGHI, PIERRE-ANTOINE, FR
[73] DASSAULT SYSTEMES,
[86] (2795855)
[87] (2795855)
[22] 2012-11-16

[11] **2,795,995**
[13] C

[51] **Int.Cl. A61M 37/00 (2006.01) A61H 39/08 (2006.01) A61K 8/64 (2006.01) A61K 9/70 (2006.01) A61K 38/18 (2006.01) A61M 35/00 (2006.01) A61P 17/02 (2006.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01) A61K 8/72 (2006.01)**
[25] EN
[54] **MICRONEEDLE ASSEMBLY FORMULATION FOR SKIN TREATMENT**
[54] **DISPOSITIF MICROAIGUILLE POUR LE TRAITEMENT DE LA PEAU**
[72] TAKADA, KANJI, JP
[72] ONO, ICHIRO, JP
[73] LABO JUVERSA CO., LTD.,
[85] 2012-11-16
[86] 2012-06-28 (PCT/JP2012/066546)
[87] (WO2013/140766)
[30] JP (2011-143371) 2011-06-28

[11] **2,796,247**
[13] C

[51] **Int.Cl. C02F 3/28 (2006.01)**
[25] EN
[54] **ANAEROBIC MEMBRANE BIOREACTOR FOR TREATING A WASTE STREAM**
[54] **BIOREACTEUR A MEMBRANE ANAEROBIE POUR TRAITER UN COURANT DE DECHETS**
[72] EWING, JOHN, US
[73] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT,
[85] 2012-10-11
[86] 2011-04-13 (PCT/US2011/032293)
[87] (WO2011/130392)
[30] US (12/760,168) 2010-04-14

[11] **2,796,338**
[13] C

[51] **Int.Cl. C07K 14/78 (2006.01) A61K 38/39 (2006.01) C12N 9/64 (2006.01)**
[25] EN
[54] **FIBRONECTIN BASED SCAFFOLD DOMAIN PROTEINS THAT BIND PCSK9**
[54] **PROTEINES A DOMAINE DE SQUELETTE BASE SUR LA FIBRONECTINE QUI SE LIENT A PCSK9**
[72] CAMPHAUSEN, RAY, US
[72] CLOAD, SHARON T., US
[72] DAVIS, JONATHAN H., US
[72] DENHEZ, FABIENNE M., US
[72] SAEED-KOTHE, AMNA, US
[72] LIPOVSEK, DASA, US
[72] LOW, CHEE MENG, US
[72] MITCHELL, TRACY S., US
[72] RAKESTRAW, GINGER C., US
[72] RUSSO, KATIE A., US
[72] LO, CHING-HSIUNG FREDERICK, US
[72] MIAO, BOWMAN, US
[72] PARKER, REX A., US
[72] SITKOFF, DOREE F., US
[73] BRISTOL-MYERS SQUIBB COMPANY,
[85] 2012-10-12
[86] 2011-04-13 (PCT/US2011/032231)
[87] (WO2011/130354)
[30] US (61/323,562) 2010-04-13
[30] US (61/330,731) 2010-05-03

[11] **2,797,153**
[13] C

[51] **Int.Cl. E02F 3/43 (2006.01) E02F 9/20 (2006.01)**
[25] EN
[54] **DYNAMIC CONTROL OF AN INDUSTRIAL MACHINE**
[54] **COMMANDE DYNAMIQUE D'UNE MACHINE INDUSTRIELLE**
[72] COLWELL, JOSEPH, US
[72] LEE, MOOYOUNG, US
[73] JOY GLOBAL SURFACE MINING INC,
[86] (2797153)
[87] (2797153)
[22] 2012-11-28
[30] US (61/564,677) 2011-11-29

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,797,595**
[13] C

[51] **Int.Cl. A61M 1/00 (2006.01)**
[25] EN
[54] **SUCTION PORT**
[54] **VENTOUSE POUR PLAIES**
[72] ADIE, GORDON CAMPBELL, GB
[72] COLLINSON, SARAH JENNY, GB
[72] FRYER, CHRISTOPHER JOHN, GB
[72] PERON, YANNICK LOUIS, GB
[72] NICOLINI, DEREK, GB
[72] HARTWELL, EDWARD YERBURY, GB
[73] SMITH & NEPHEW PLC,
[85] 2012-10-26
[86] 2011-04-21 (PCT/GB2011/000628)
[87] (WO2011/135287)
[30] GB (1006988.8) 2010-04-27

[11] **2,797,707**
[13] C

[51] **Int.Cl. A61K 47/36 (2006.01) A61K 8/73 (2006.01) A61K 8/99 (2017.01) A61K 35/74 (2015.01) A61P 17/02 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ALLEVIATING THE APPEARANCE OF SCARS AND/OR SCAR TISSUE**
[54] **SYSTEME ET PROCEDE VISANT A RENDRE LES CICATRICES ET TISSUS CICATRICIELS MOINS APPARENTS**
[72] GAUTHIER, RENE, CA
[72] MARQUIS, CLAUDE, CA
[73] GAUTHIER, RENE,
[73] MARQUIS, CLAUDE,
[86] (2797707)
[87] (2797707)
[22] 2012-11-29
[30] GB (1120724.8) 2011-12-01

[11] **2,798,249**
[13] C

[51] **Int.Cl. G06F 40/197 (2020.01) G06Q 10/10 (2012.01) G06F 40/174 (2020.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DISTRIBUTED ELECTRONIC SIGNATURE DOCUMENTS INCLUDING VERSION CONTROL**
[54] **SYSTEMES ET PROCEDES DESTINES A DES DOCUMENTS AVEC SIGNATURE ELECTRONIQUE DISTRIBUES COMPRENANT UN CONTROLE DE VERSION**
[72] MCCABE, ANDREW D., US
[72] GOSNER, THOMAS H., JR., US
[73] DOCUSIGN, INC.,
[85] 2012-11-02
[86] 2011-04-20 (PCT/US2011/033194)
[87] (WO2011/139563)
[30] US (12/773,720) 2010-05-04

[11] **2,798,808**
[13] C

[51] **Int.Cl. G01K 7/02 (2006.01)**
[25] EN
[54] **THERMOCOUPLE**
[54] **THERMOCOUPLE**
[72] PARSONS, JOHN PATRICK, US
[72] O'FLYNN, DENIS JOHN, US
[72] HALL, JAMES TIMOTHY, US
[73] UNISON INDUSTRIES, LLC,
[86] (2798808)
[87] (2798808)
[22] 2012-12-13
[30] US (13/333,394) 2011-12-21

[11] **2,799,518**
[13] C

[51] **Int.Cl. B01J 19/24 (2006.01) C08F 2/01 (2006.01)**
[25] EN
[54] **SERPENTINE FLUID REACTOR COMPONENTS**
[54] **COMPOSANTS DE REACTEUR A FLUIDE EN SERPENTIN**
[72] CLAVELLE, ERIC, CA
[72] YAJURE, EDGAR, CA
[72] FOY, EDWARD CHRISTOPHER, CA
[72] EISENHAWER, DAVID, CA
[72] BENUM, LESLIE WILFRED, CA
[73] NOVA CHEMICALS CORPORATION,
[86] (2799518)
[87] (2799518)
[22] 2012-12-20

[11] **2,799,693**
[13] C

[51] **Int.Cl. B60R 25/31 (2013.01) B60R 25/20 (2013.01)**
[25] EN
[54] **SELF-ARMING IMMOBILIZER SYSTEM, APPARATUS AND METHOD**
[54] **SYSTEME D'IMMOBILISATION A ARMEMENT AUTOMATIQUE, APPAREIL ET METHODE**
[72] MORRIS, HUGH, CA
[73] MORRIS, HUGH,
[86] (2799693)
[87] (2799693)
[22] 2012-12-19
[30] US (61/577,511) 2011-12-19

[11] **2,799,775**
[13] C

[51] **Int.Cl. A61M 36/06 (2006.01) A61N 5/10 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PLANNING AND MONITORING MULTI-DOSE RADIOPHARMACEUTICAL USAGE ON RADIOPHARMACEUTICAL INJECTORS**
[54] **SYSTEME ET PROCEDE POUR LA PLANIFICATION ET LE CONTROLE D'UTILISATION DE PRODUITS PHARMACO-RADIOACTIFS A DOSES MULTIPLES SUR DES INJECTEURS DE PRODUITS PHARMACO-RADIOACTIFS**
[72] AGAMAITE, JAMES, US
[72] GRIFFITH, SCOTT, R., US
[72] DESCALZI, DOUGLAS, US
[72] MARSH, CHARLES, US
[73] BAYER HEALTHCARE LLC,
[85] 2012-11-16
[86] 2011-06-03 (PCT/US2011/039106)
[87] (WO2011/153457)
[30] US (61/351,463) 2010-06-04

**Canadian Patents Issued
March 24, 2020**

[11] **2,799,803**
[13] C

[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **MSI-SPECIFIC FRAMESHIFT PEPTIDES (FSP) FOR PREVENTION AND TREATMENT OF CANCER**
[54] **PEPTIDES A DECALAGE DU CADRE DE LECTURE SPECIFIQUES MSI POUR LA PREVENTION ET LE TRAITEMENT DU CANCER**
[72] KLOOR, MATTHIAS, DE
[72] REUSCHENBACH, MIRIAM, DE
[72] VON KNEBEL-DOEBERITZ, MAGNUS, DE
[73] RUPRECHT-KARLS-UNIVERSITAT HEIDELBERG,
[86] (2799803)
[87] (2799803)
[22] 2012-12-13

[11] **2,800,049**
[13] C

[51] **Int.Cl. B64D 33/04 (2006.01) B64C 7/02 (2006.01) B64D 29/00 (2006.01) F02C 7/28 (2006.01) F02K 1/06 (2006.01)**
[25] EN
[54] **SEAL FOR A VARIABLE AREA FAN NOZZLE**
[54] **JOINT D'ETANCHEITE POUR BUSE A JET PLAT A SURFACE VARIABLE**
[72] GORMLEY, TIMOTHY KENT, US
[73] ROHR INC.,
[86] (2800049)
[87] (2800049)
[22] 2012-12-21
[30] US (13/340,125) 2011-12-29

[11] **2,800,426**
[13] C

[51] **Int.Cl. A61K 9/50 (2006.01) A61K 31/00 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01)**
[25] FR
[54] **DIVERSION-RESISTANT MICROGRANULES AND MICROTABLETS**
[54] **MICROGRANULES ET MICROCOMPRESIMES RESISTANTS AU DETOURNEMENT**
[72] BILLOET, VINCENT, FR
[73] ETHYPHARM,
[85] 2012-11-22
[86] 2011-06-07 (PCT/EP2011/059410)
[87] (WO2011/154414)
[30] FR (1054465) 2010-06-07
[30] FR (1055921) 2010-07-20

[11] **2,801,385**
[13] C

[51] **Int.Cl. C08L 39/06 (2006.01) A61K 9/70 (2006.01) C08J 5/18 (2006.01) C08J 9/08 (2006.01) C08L 1/28 (2006.01)**
[25] EN
[54] **ORAL FILM-FORM BASE AND PREPARATION**
[54] **BASE DE FILM POUR VOIE ORALE ET METHODE DE PREPARATION**
[72] ASARI, DAISUKE, JP
[72] HORI, MITSUHIKO, JP
[72] SHISHIDO, TAKUYA, JP
[73] NITTO DENKO CORPORATION,
[86] (2801385)
[87] (2801385)
[22] 2013-01-09
[30] JP (2012-003625) 2012-01-11

[11] **2,801,638**
[13] C

[51] **Int.Cl. B01D 69/12 (2006.01) B01D 61/02 (2006.01) B01D 67/00 (2006.01)**
[25] EN
[54] **POLYAMIDE THIN FILM COMPOSITE FORMED BY INTERFACIAL POLYMERIZATION**
[54] **COMPOSITE DE COUCHE MINCE POLYAMIDE FORMEE PAR POLYMERISATION INTERFACIALE**
[72] NILSEN, TOM NILS, NO
[72] ALSVIK, INGER LISE, NO
[73] NILSEN, TOM NILS,
[85] 2012-12-04
[86] 2011-05-31 (PCT/NO2011/000162)
[87] (WO2011/152735)
[30] NO (20100814) 2010-06-04

[11] **2,802,804**
[13] C

[51] **Int.Cl. F16K 11/02 (2006.01) B05B 1/22 (2006.01) F16L 37/12 (2006.01) F16L 37/48 (2006.01) F16L 37/56 (2006.01)**
[25] EN
[54] **FLUID DELIVERY ASSEMBLY (2-IN AND 1-OUT, PLUS QUICK-CONNECT DIVERTER HOUSING ASSEMBLY)**
[54] **ENSEMBLE DE DISTRIBUTION DE LIQUIDE (2 VERS L'INTERIEUR ET 1 VERS L'EXTERIEUR, PLUS UN ENSEMBLE CARTER D'ORGANE DE DERIVATION A BRANCHEMENT RAPIDE)**
[72] ZHU, CHUANBAO, CN
[72] YE, LIMING, CN
[72] ZHANG, YAN, CN
[72] BAI, SHUANGLIN, CN
[73] XIAMEN LOTA INTERNATIONAL CO., LTD.,
[86] (2802804)
[87] (2802804)
[22] 2013-01-18
[30] US (61/589,096) 2012-01-20
[30] US (13/740,999) 2013-01-14

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,802,806**
[13] C

[51] **Int.Cl. F16K 11/20 (2006.01) B05B 1/22 (2006.01) F16L 37/12 (2006.01) F16L 37/48 (2006.01) F16L 37/56 (2006.01)**

[25] EN

[54] **FLUID DELIVERY SYSTEM WITH A HOUSING AND AT LEAST ONE FLUID INLET AND ONE FLUID OUTLET**

[54] **SYSTEME DE DISTRIBUTION DE FLUIDE DANS UN LOGEMENT ET AU MOINS UNE ENTREE DE FLUIDE ET UNE SORTIE DE FLUIDE**

[72] ZHU, CHUANBAO, CN
[72] YE, LIMING, CN
[72] CHEN, BENTAI, CN
[73] XIAMEN LOTA INTERNATIONAL CO., LTD.,
[86] (2802806)
[87] (2802806)
[22] 2013-01-18
[30] US (61/589,096) 2012-01-20
[30] US (13/740,978) 2013-01-14

[11] **2,802,809**
[13] C

[51] **Int.Cl. F16K 11/20 (2006.01) B05B 1/22 (2006.01) F16L 37/12 (2006.01) F16L 37/48 (2006.01) F16L 37/56 (2006.01)**

[25] EN

[54] **FLUID DELIVERY SYSTEM FOR USE WITH WATER DISCHARGE FIXTURE**

[54] **SYSTEME DE DISTRIBUTION DE FLUIDE DESTINE A UNE INSTALLATION D'EVACUATION D'EAU**

[72] ZHU, CHUANBAO, CN
[72] YE, LIMING, CN
[72] ZHOU, JIANPING, CN
[73] XIAMEN LOTA INTERNATIONAL CO., LTD.,
[86] (2802809)
[87] (2802809)
[22] 2013-01-18
[30] US (61/589,096) 2012-01-20
[30] US (13/740,952) 2013-01-14

[11] **2,803,332**
[13] C

[51] **Int.Cl. G08B 13/196 (2006.01) H04N 21/84 (2011.01) H04L 12/16 (2006.01) H04N 7/18 (2006.01)**

[25] EN

[54] **PERSONAL ELECTRONIC TARGET VISION SYSTEM, DEVICE AND METHOD**

[54] **SYSTEME DE VISUALISATION DE CIBLE ELECTRONIQUE PERSONNEL, DISPOSITIF ET PROCEDE**

[72] NOHARA, TIMOTHY J., CA
[73] ACCIPITER RADAR TECHNOLOGIES INC.,
[86] (2803332)
[87] (2803332)
[22] 2013-01-23
[30] US (13/356,872) 2012-01-24

[11] **2,803,360**
[13] C

[51] **Int.Cl. A61K 36/738 (2006.01) A61K 36/49 (2006.01) A61P 15/00 (2006.01)**

[25] EN

[54] **COMPOSITION FOR IMPROVING SEXUAL WELLNESS**

[54] **COMPOSITION DESTINEE A AMELIORER LE BIEN-ETRE SEXUEL**

[72] FERRARI, VICTOR, CH
[72] SCHOENLAU, FRANK, DE
[72] BURKI, CAROLINA, CH
[73] HORPHAG RESEARCH (IP) PRE LTD,
[85] 2012-12-20
[86] 2011-06-24 (PCT/IB2011/052788)
[87] (WO2011/161655)
[30] US (61/344,301) 2010-06-25
[30] CH (00470/11) 2011-03-21

[11] **2,803,952**
[13] C

[51] **Int.Cl. C12N 9/88 (2006.01) B01D 53/62 (2006.01) B01D 53/84 (2006.01) C12N 15/60 (2006.01) C12N 15/70 (2006.01) C12N 15/80 (2006.01) C12P 3/00 (2006.01)**

[25] EN

[54] **HIGHLY STABLE BETA-CLASS CARBONIC ANHYDRASES USEFUL IN CARBON CAPTURE SYSTEMS**

[54] **ANHYDRASES CARBONIQUES DE CLASSE BETA TRES STABLES ET UTILES DANS DES SYSTEMES DE CAPTURE DU CARBONE**

[72] ALVIZO, OSCAR, US
[72] BENOIT, MIKE, US
[72] NOVICK, SCOTT, US
[73] CODEXIS, INC.,
[85] 2012-12-24
[86] 2011-06-30 (PCT/US2011/042563)
[87] (WO2012/003299)
[30] US (61/360,040) 2010-06-30
[30] US (61/445,996) 2011-02-23

[11] **2,804,023**
[13] C

[51] **Int.Cl. A61F 5/01 (2006.01) A61F 5/00 (2006.01) A61F 5/14 (2006.01)**

[25] EN

[54] **DEVICE AND METHODS FOR TREATING A LOWER LIMB JOINT PATHOLOGY AND LOWER LIMB PAIN**

[54] **DISPOSITIF ET PROCEDES DE TRAITEMENT D'UNE PATHOLOGIE ARTICULAIRE D'UN MEMBRE INFERIEUR ET DOULEUR DANS UN MEMBRE INFERIEUR**

[72] ELBAZ, AVI, IL
[72] MOR, AMIT, IL
[73] APOS MEDICAL ASSETS LTD.,
[85] 2012-12-27
[86] 2011-06-19 (PCT/IL2011/000487)
[87] (WO2012/001678)
[30] US (61/359,643) 2010-06-29

**Canadian Patents Issued
March 24, 2020**

[11] **2,804,033**
[13] C

[51] **Int.Cl. H02K 9/19 (2006.01) B60K 11/02 (2006.01) H02K 1/20 (2006.01)**
[25] EN
[54] **MODES OF COOLING HYBRID ELECTRIC MACHINES**
[54] **PROCEDES PERMETTANT DE REFROIDIR DES MODES ELECTRIQUES HYBRIDES**
[72] ERFANFAR, MOHSEN, US
[72] BASS, EDWARD A., US
[73] ALLISON TRANSMISSION, INC.,
[85] 2012-12-27
[86] 2011-06-29 (PCT/US2011/042332)
[87] (WO2012/003208)
[30] US (61/360,683) 2010-07-01

[11] **2,804,252**
[13] C

[51] **Int.Cl. A61F 2/76 (2006.01) A61F 5/14 (2006.01) A63B 23/04 (2006.01)**
[25] EN
[54] **DEVICE AND METHODS FOR TUNING A SKELETAL MUSCLE**
[54] **DISPOSITIF ET METHODES DE REGLAGE D'UN MUSCLE SQUELETTIQUE**
[72] ELBAZ, AVI, IL
[72] MOR, AMIT, IL
[73] APOS MEDICAL ASSETS LTD.,
[85] 2013-01-02
[86] 2011-06-27 (PCT/IL2011/000512)
[87] (WO2012/001685)
[30] US (61/360,940) 2010-07-02

[11] **2,804,443**
[13] C

[51] **Int.Cl. G01F 23/00 (2006.01) B65G 67/04 (2006.01) G01F 23/14 (2006.01) G01F 23/292 (2006.01)**
[25] EN
[54] **LOAD FILL SENSOR SYSTEM FOR GRAIN TRAILERS**
[54] **SYSTEME DE CAPTEURS DE REMPLISSAGE POUR REMORQUES A GRAIN**
[72] GENGERKE, SHAWN L., US
[73] LEADING EDGE INDUSTRIES, INC.,
[86] (2804443)
[87] (2804443)
[22] 2013-01-31
[30] US (13/398,931) 2012-02-17
[30] US (13/571,867) 2012-08-10

[11] **2,804,621**
[13] C

[51] **Int.Cl. A61F 2/95 (2013.01) A61F 2/848 (2013.01) A61F 2/966 (2013.01) A61B 17/064 (2006.01) A61B 17/068 (2006.01)**
[25] EN
[54] **DEPLOYMENT DEVICE FOR PLACEMENT OF MULTIPLE INTRALUMINAL SURGICAL STAPLES**
[54] **DISPOSITIF DE DEPLOIEMENT POUR POSITIONNEMENT DE MULTIPLES AGRAFES CHIRURGICALES INTRALUMINALES**
[72] GIASOLLI, ROBERT, US
[72] SCHNEIDER, PETER, US
[73] INTACT VASCULAR, INC.,
[85] 2013-01-07
[86] 2011-07-08 (PCT/US2011/043471)
[87] (WO2012/006602)
[30] US (61/362,650) 2010-07-08
[30] US (13/118,388) 2011-05-28
[30] US (13/153,257) 2011-06-03

[11] **2,805,184**
[13] C

[51] **Int.Cl. F01C 21/10 (2006.01) F01C 1/22 (2006.01) F01C 21/08 (2006.01) F01P 3/20 (2006.01)**
[25] EN
[54] **ROTARY INTERNAL COMBUSTION ENGINE WITH COOLED INSERT**
[54] **MOTEUR ROTATIF A COMBUSTION INTERNE A INSERT REFROIDI**
[72] GEKHT, EUGENE, CA
[72] VILLENEUVE, BRUNO, CA
[72] FONTAINE, MIKE, CA
[72] GAGNON-MARTIN, DAVID, CA
[73] PRATT & WHITNEY CANADA CORP.,
[86] (2805184)
[87] (2805184)
[22] 2013-02-06
[30] US (13/366,458) 2012-02-06

[11] **2,805,426**
[13] C

[51] **Int.Cl. A61F 9/00 (2006.01)**
[25] EN
[54] **DROP GENERATING DEVICE**
[54] **DISPOSITIF DE GENERATION DE GOUTTELETTES**
[72] HUNTER, CHARLES ERIC, US
[72] BALLOU, BERNARD L., JR., US
[72] VOLLRATH, JURGEN KLAUS, US
[72] TEW, ARTHUR H., US
[72] BROWN, JOSHUA RICHARD, US
[72] LEATH, JAMES THORNHILL, US
[72] FAULKES, NATHAN R., US
[72] JOHNSON, BRADLEY G., US
[72] CLEMENTS, J. SID, US
[72] RUSSELL, PHILLIP E., US
[72] HEBRANK, JOHN H., US
[72] IANCHULEV, TSONTCHO, US
[72] PACKER, MARK, US
[72] ELLIOTT, TROY, US
[72] FIERSON, WALTER M., US
[72] LINDNER, THOMAS J., US
[73] EYENOVIA, INC.,
[85] 2013-01-14
[86] 2011-07-15 (PCT/US2011/044291)
[87] (WO2012/009706)
[30] US (61/400,864) 2010-07-15
[30] US (61/401,918) 2010-08-20
[30] US (61/401,850) 2010-08-20
[30] US (61/401,848) 2010-08-20
[30] US (61/401,920) 2010-08-20
[30] US (61/401,849) 2010-08-20
[30] US (61/462,576) 2011-02-04
[30] US (61/462,791) 2011-02-05
[30] US (61/463,280) 2011-02-15
[30] US (61/516,496) 2011-04-04
[30] US (61/516,495) 2011-04-04
[30] US (61/516,462) 2011-04-04
[30] US (61/516,694) 2011-04-06

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,806,068**
[13] C

[51] **Int.Cl. F02C 7/14 (2006.01) B64D 29/00 (2006.01) B64D 33/10 (2006.01) F01D 25/12 (2006.01) F01D 25/18 (2006.01) F01M 5/00 (2006.01) F02C 7/06 (2006.01) F16N 39/02 (2006.01)**

[25] EN

[54] **AIR-COOLED OIL COOLER FOR TURBOFAN ENGINE**

[54] **REFROIDISSEUR D'HUILE REFROIDI A L'AIR POUR UN MOTEUR A TURBINE**

[72] ALECU, DANIEL T., CA

[73] PRATT & WHITNEY CANADA CORP.,

[86] (2806068)

[87] (2806068)

[22] 2013-02-14

[30] US (13/404,092) 2012-02-24

[11] **2,806,341**
[13] C

[51] **Int.Cl. C07D 213/82 (2006.01) A61K 31/4427 (2006.01) A61K 31/501 (2006.01) A61K 31/5377 (2006.01) A61P 3/10 (2006.01) A61P 9/10 (2006.01) C07D 295/04 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 405/12 (2006.01) C07D 409/12 (2006.01) C07D 413/12 (2006.01) C07D 471/10 (2006.01)**

[25] EN

[54] **AMPK-ACTIVATING HETEROCYCLIC COMPOUNDS AND METHODS FOR USING THE SAME**

[54] **COMPOSES HETEROCYCLIQUES D'ACTIVATION DE L'AMPK ET PROCEDES D'UTILISATION DE CEUX-CI**

[72] GOFF, DANE, US

[72] PAYAN, DONALD, US

[72] SINGH, RAJINDER, US

[72] SHAW, SIMON, US

[72] CARROLL, DAVID, US

[72] HITOSHI, YASUMICHI, US

[73] RIGEL PHARMACEUTICALS, INC.,

[85] 2013-01-22

[86] 2011-07-29 (PCT/US2011/046019)

[87] (WO2012/016217)

[30] US (61/368,928) 2010-07-29

[11] **2,806,585**
[13] C

[51] **Int.Cl. B01J 31/00 (2006.01) B01J 37/00 (2006.01)**

[25] EN

[54] **A HYDROPROCESSING CATALYST PREPARED WITH WASTE CATALYST FINES AND ITS USE**

[54] **CATALYSEUR D'HYDROCRAQUAGE ELABORE AU MOYEN DE FINES DE CATALYSEUR USE ET UTILISATION DE CELUI-CI**

[72] GABRIELOV, ALEXEI GRIGORIEVICH, US

[72] GANJA, ED, US

[72] TORRISI, SALVATORE PHILIP, US

[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.,

[85] 2013-01-24

[86] 2011-08-05 (PCT/US2011/046687)

[87] (WO2012/021386)

[30] US (61/373,472) 2010-08-13

[11] **2,806,775**
[13] C

[51] **Int.Cl. F16K 1/42 (2006.01) F16J 15/34 (2006.01) F16K 1/46 (2006.01)**

[25] EN

[54] **VALVE SEAT APPARATUS FOR USE WITH FLUID VALVES**

[54] **APPAREIL DE SIEGE DE VANNE DESTINE A ETRE UTILISE AVEC DES VANNES A FLUIDE**

[72] DOBBS, ERIC ROBERT, US

[72] GEELHART, THEODORE PAUL, US

[72] MCMAHON, TIMOTHY ARTHUR, US

[72] ALMAN, PAUL TAYLOR, US

[72] QIU, YAN, CN

[73] FISHER CONTROLS INTERNATIONAL LLC,

[85] 2013-01-28

[86] 2010-07-30 (PCT/CN2010/075607)

[87] (WO2012/012951)

[11] **2,806,802**
[13] C

[51] **Int.Cl. G06T 11/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR EDITING, OPTIMIZING AND RENDERING PROCEDURAL TEXTURES**

[54] **SYSTEME ET PROCEDE D'EDITION, D'OPTIMISATION ET DE RENDU DE TEXTURES PROCEDURALES**

[72] DAMEZ, CYRILLE, FR

[72] SOUM, CHRISTOPHE, FR

[73] ALLEGORITHMIC,

[85] 2013-01-24

[86] 2011-07-29 (PCT/IB2011/001753)

[87] (WO2012/014057)

[30] FR (1003204) 2010-07-30

[30] US (61/369,810) 2010-08-02

[11] **2,807,266**
[13] C

[51] **Int.Cl. A61K 31/132 (2006.01)**

[25] EN

[54] **SUPRAMOLECULAR COMPLEXES OF POLYANIONIC POLYMERS AND SPERMIDINE IN TISSUE MAINTENANCE AND REPAIR**

[54] **COMPLEXES SUPRAMOLECULAIRES DE POLYMERES POLYANIONIQUES ET DE SPERMIDINE UTILISES DANS L'ENTRETIEN ET LA REPARATION TISSULAIRE**

[72] GHISALBERTI, CARLO, BR

[73] PIERREL PHARMA S.R.L.,

[85] 2013-01-31

[86] 2011-08-01 (PCT/IB2011/001771)

[87] (WO2012/017288)

[30] IT (MI2010A001491) 2010-08-04

[30] IT (MI2010A002277) 2010-12-14

[30] IT (MI2010A002308) 2010-12-16

**Canadian Patents Issued
March 24, 2020**

[11] **2,807,544**
[13] C

[51] **Int.Cl. C12N 15/82 (2006.01)**
[25] EN
[54] **PROCESS OF TRANSFECTING PLANTS**
[54] **PROCEDE DE TRANSFECTION DE PLANTES**
[72] GIRITCH, ANATOLI, DE
[72] SYMONENKO, YURI, DE
[72] HAHN, SIMONE, DE
[72] TIEDE, DOREEN, DE
[72] SHVARTS, ANTON, DE
[72] ROEMER, PATRICK, DE
[72] GLEBA, YURI, DE
[73] NOMAD BIOSCIENCE GMBH,
[85] 2013-02-05
[86] 2011-05-06 (PCT/EP2011/002279)
[87] (WO2012/019660)
[30] EP (10008267.6) 2010-08-07
[30] EP (10008393.0) 2010-08-11

[11] **2,807,984**
[13] C

[51] **Int.Cl. G01B 21/32 (2006.01) G01M 17/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MONITORING A STRUCTURE**
[54] **METHODE ET PROCEDE DE CONTROLE D'UNE STRUCTURE**
[72] ARMIJO TORRES, JOSE IGNACIO, ES
[72] GOMEZ-ESCALONILLA MARTIN, JAVIER, ES
[72] GARCIA ALONSO, JAIME, ES
[73] EADS CONSTRUCCIONES AERONAUTICAS, S.A., SOCIEDAD UNIPERSONAL,
[86] (2807984)
[87] (2807984)
[22] 2013-03-01
[30] EP (12382082.1) 2012-03-05

[11] **2,807,985**
[13] C

[51] **Int.Cl. C10J 3/30 (2006.01) C01B 3/32 (2006.01)**
[25] EN
[54] **BIOMASS GASIFIER**
[54] **GAZEIFICATEUR DE BIOMASSE**
[72] DEPUY, RICHARD ANTHONY, US
[72] MAJMUDAR, JINMESH PRANAV, IN
[72] MALL, OMPRAKASH, IN
[72] VENKATRAMAN, VIGNESH, IN
[72] DSOUZA, AVISH, IN
[73] AIR PRODUCTS AND CHEMICALS, INC.,
[86] (2807985)
[87] (2807985)
[22] 2013-02-28
[30] US (13/416,056) 2012-03-09

[11] **2,808,511**
[13] C

[51] **Int.Cl. H01Q 21/24 (2006.01)**
[25] FR
[54] **FLAT ANTENNA FOR A TERMINAL OPERATING IN DUAL CIRCULAR POLARISATION, AIRBORNE TERMINAL AND SATELLITE TELECOMMUNICATION SYSTEM FEATURING AT LEAST ONE ANTENNA**
[54] **ANTENNE PLANE POUR TERMINAL FONCTIONNANT EN DOUBLE POLARISATION CIRCULAIRE, TERMINAL AEROPORTE ET SYSTEME DE TELECOMMUNICATION PAR SATELLITE COMPORTANT AU MOINS UNE TELLE ANTENNE**
[72] RAGUENET, GERARD, FR
[72] ALMEIDA, JEAN-LUC, FR
[72] HIRSCH, ANTONIN, FR
[73] THALES,
[86] (2808511)
[87] (2808511)
[22] 2013-03-01
[30] FR (1200699) 2012-03-08

[11] **2,808,725**
[13] C

[51] **Int.Cl. B65D 1/16 (2006.01) B65D 1/00 (2006.01) B65D 43/26 (2006.01)**
[25] EN
[54] **TRASH CANS WITH FEATURES TO AID IN ACTUATION**
[54] **POUBELLES AVEC MECANISME D'ACTIONNEMENT**
[72] YANG, FRANK, US
[72] SANDOR, JOSEPH, US
[73] SIMPLEHUMAN, LLC,
[86] (2808725)
[87] (2808725)
[22] 2013-03-04
[30] US (US 61/609,179) 2012-03-09

[11] **2,808,870**
[13] C

[51] **Int.Cl. C22C 19/05 (2006.01)**
[25] EN
[54] **ACID AND ALKALI RESISTANT NICKEL-CHROMIUM-MOLYBDENUM-COPPER ALLOYS**
[54] **ALLIAGES DE NICKEL-CHROME-MOLYBDENE-CUIVRE RESISTANTS AUX ALCALIS ET AUX ACIDES**
[72] DEODESHMUKH, VINAY P., US
[72] MECK, NACERA S., US
[72] CROOK, PAUL, US
[73] HAYNES INTERNATIONAL, INC.,
[86] (2808870)
[87] (2808870)
[22] 2013-03-11
[30] US (13/719,369) 2012-12-19
[30] US (61/640,096) 2012-04-30

Brevets canadiens délivrés
24 mars 2020

[11] **2,809,718**
[13] C

[51] **Int.Cl. C08F 2/01 (2006.01) C08F 2/06 (2006.01) C08F 10/02 (2006.01)**
[25] EN
[54] **IMPROVED ENERGY UTILIZATION IN A SOLUTION POLYMERIZATION PLANT**
[54] **UTILISATION ENERGETIQUE AMELIOREE DANS UNE INSTALLATION DE POLYMERISATION EN SOLUTION**
[72] PRICE, TERRI A., CA
[72] SIBTAIN, FAZLE, CA
[72] CHELUGET, ERIC, US
[73] NOVA CHEMICALS CORPORATION,
[86] (2809718)
[87] (2809718)
[22] 2013-03-15

[11] **2,809,801**
[13] C

[51] **Int.Cl. B21D 53/84 (2006.01) B23P 15/00 (2006.01) F02C 7/24 (2006.01) F23R 3/60 (2006.01)**
[25] EN
[54] **FABRICATED HEAT SHIELD**
[54] **ECRAN THERMIQUE PREFABRIQUE**
[72] STASTNY, HONZA, CA
[72] SAMPATH, PARTHASARATHY, CA
[73] PRATT & WHITNEY CANADA CORP.,
[86] (2809801)
[87] (2809801)
[22] 2013-03-15
[30] US (13/428,376) 2012-03-23

[11] **2,809,842**
[13] C

[51] **Int.Cl. A61M 29/00 (2006.01)**
[25] EN
[54] **DILATOR CENTERING DEVICE AND ASSEMBLIES**
[54] **DISPOSITIF DE CENTRAGE D'UN DILATATEUR ET ASSEMBLAGES**
[72] EBERHARDT, MARK, US
[72] ISE, HIROYOSHI, US
[72] STERN, GEORGE, US
[72] MILLER, MICHAEL, US
[72] YAMADA, YASUTAKE, US
[72] BILGE, HUSEXIN FERTAC, US
[73] TERUMO MEDICAL CORPORATION,
[86] (2809842)
[87] (2809842)
[22] 2013-03-18
[30] US (13/428,901) 2012-03-23

[11] **2,810,512**
[13] C

[51] **Int.Cl. A23C 9/15 (2006.01)**
[25] EN
[54] **HIGH SOLIDS CONCENTRATED DAIRY LIQUIDS**
[54] **PRODUITS LAITIERS LIQUIDES CONCENTRES RICHES EN MATIERES SOLIDES**
[72] CRIEZIS, ANTHONY WILLIAM, US
[72] CAMPBELL, BRUCE E., US
[72] DIERBACH, LISA ANN, US
[72] MENDOZA, J. NICHOLAS, US
[72] PORBANDARWALA, SARITA V., US
[72] SCHMIDT, GAVIN M., US
[72] WISEMAN, GREGORY AARON, US
[73] KONINKLIJKE DOUWE EGBERTS B.V.,
[85] 2013-03-05
[86] 2011-09-08 (PCT/US2011/050847)
[87] (WO2012/033927)
[30] US (61/380,942) 2010-09-08

[11] **2,810,728**
[13] C

[51] **Int.Cl. B64F 5/10 (2017.01) B64C 1/00 (2006.01) B64C 1/12 (2006.01)**
[25] EN
[54] **ACTUATING SYSTEM OF SECTORS OF A DEVICE FOR PRODUCING AN AIRPLANE FUSELAGE**
[54] **SYSTEME D'ACTIONNEMENT DES SECTEURS D'UN DISPOSITIF POUR LA PRODUCTION D'UN FUSELAGE D'AERONEF**
[72] SIBONA, GUIDO, IT
[72] MOSTARDA, ETTORE, IT
[72] IOVINE, GIUSEPPE, IT
[73] LEONARDO S.P.A.,
[86] (2810728)
[87] (2810728)
[22] 2013-03-28
[30] IT (TO2012A 000284) 2012-03-30

[11] **2,810,765**
[13] C

[51] **Int.Cl. B64F 5/10 (2017.01) B64C 1/12 (2006.01)**
[25] EN
[54] **CONSTRAINT SYSTEM OF SECTORS OF A DEVICE FOR PRODUCING AN AIRPLANE FUSELAGE**
[54] **SYSTEME DE LIMITATION DES SECTEURS D'UN DISPOSITIF POUR LA PRODUCTION D'UN FUSELAGE D'AERONEF**
[72] SIBONA, GUIDO, IT
[72] MOSTARDA, ETTORE, IT
[72] IOVINE, GIUSEPPE, IT
[73] ALENIA AERMACCHI S.P.A.,
[86] (2810765)
[87] (2810765)
[22] 2013-03-28
[30] IT (TO2012A 000286) 2012-03-30

[11] **2,811,037**
[13] C

[51] **Int.Cl. G01G 19/387 (2006.01)**
[25] EN
[54] **WEIGHING SYSTEM AND WEIGHING WORK METHOD**
[54] **SYSTEME DE PESEE ET METHODE DE TRAVAIL DE PESEE**
[72] KAWANISHI, SHOZO, JP
[73] YAMATO SCALE CO., LTD.,
[85] 2013-03-11
[86] 2011-05-23 (PCT/JP2011/002854)
[87] (WO2012/039080)
[30] JP (2010-211605) 2010-09-22

**Canadian Patents Issued
March 24, 2020**

[11] **2,811,495**
[13] C

[51] **Int.Cl. H04W 24/10 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PUCCH SUBBAND FEEDBACK SIGNALING IN A WIRELESS NETWORK**

[54] **SYSTEME ET PROCEDE DE SIGNALISATION D'INFORMATIONS EN RETOUR DE SOUS-BANDE PUCCH DANS UN RESEAU SANS FIL**

[72] ZHANG, JIANZHONG, US
[72] LIU, LINGJIA, US
[73] SAMSUNG ELECTRONICS CO., LTD.,
[85] 2013-03-15
[86] 2011-09-16 (PCT/KR2011/006868)
[87] (WO2012/036513)
[30] US (61/384,156) 2010-09-17
[30] US (13/231,710) 2011-09-13

[11] **2,811,782**
[13] C

[51] **Int.Cl. C08L 67/04 (2006.01) A61B 17/064 (2006.01) A61L 31/04 (2006.01)**
[25] EN
[54] **BIOABSORBABLE POLYMERIC COMPOSITIONS, PROCESSING METHODS, AND MEDICAL DEVICES THEREFROM**

[54] **COMPOSITIONS POLYMERES BIORESORBABLES, PROCEDES DE TRAITEMENT ET DISPOSITIFS MEDICAUX FABRIQUES A PARTIR DE CELLES-CI**

[72] KELLY, BRIAN M., US
[72] JAMIOLKOWSKI, DENNIS D., US
[72] DEFELICE, CHRISTOPHER, US
[73] ETHICON, INC.,
[85] 2013-03-19
[86] 2011-09-21 (PCT/US2011/052536)
[87] (WO2012/040316)
[30] US (12/887,995) 2010-09-22

[11] **2,811,965**
[13] C

[51] **Int.Cl. F03D 13/10 (2016.01) F16F 15/34 (2006.01) F16H 35/18 (2006.01)**
[25] EN
[54] **ARRANGEMENT AND METHOD TO ROTATE THE HUB OF A WIND TURBINE**

[54] **ARRANGEMENT ET METHODE PERMETTANT DE TOURNER LE MOYEU D'UNE EOLIENNE**

[72] FALKENBERG, PETER
LOEVENSKJOLD, DK
[72] MAJ, KARL AAGE, DK
[72] NIELSEN, JACOB BLACH, DK
[72] POULSEN, HENNING, DK
[72] RAMUSSEN, BRIAN, DK
[72] STIESDAL, HENRIK, DK
[73] SIEMENS GAMSEA RENEWABLE ENERGY A/S,
[86] (2811965)
[87] (2811965)
[22] 2013-04-09
[30] EP (12163736.7) 2012-04-11

[11] **2,812,091**
[13] C

[51] **Int.Cl. C07D 471/10 (2006.01) A61K 31/52 (2006.01) C07D 473/04 (2006.01)**
[25] EN
[54] **INHIBITORS OF PI3K-DELTA AND METHODS OF THEIR USE AND MANUFACTURE**

[54] **INHIBITEUR DE PI3K-DELTA ET PROCEDES D'UTILISATION ET DE FABRICATION CORRESPONDANTS**

[72] KEARNEY, PATRICK, US
[73] EXELIXIS, INC.,
[85] 2013-03-13
[86] 2011-09-14 (PCT/US2011/051563)
[87] (WO2012/037226)
[30] US (61/382,884) 2010-09-14

[11] **2,812,117**
[13] C

[51] **Int.Cl. G06T 7/50 (2017.01)**
[25] EN
[54] **A METHOD FOR ENHANCING DEPTH MAPS**

[54] **PROCEDE D'AMELIORATION DE CARTES DE PROFONDEUR**

[72] PEGG, STEVEN, AU
[72] SANDERSON, HUGH, AU
[72] FLACK, JULIEN CHARLES, AU
[73] HOMEWAV, LLC,
[85] 2013-03-13
[86] 2011-09-14 (PCT/AU2011/001181)
[87] (WO2012/034174)
[30] AU (2010904133) 2010-09-14

[11] **2,813,190**
[13] C

[51] **Int.Cl. F16L 3/00 (2006.01) F16L 1/06 (2006.01)**
[25] EN
[54] **FIXTURE AND INSTALLATION METHOD FOR A PITCHED PIPE SYSTEM**

[54] **APPAREIL ET METHODE D'INSTALLATION POUR UN SYSTEME DE TUYAUTERIE INCLINEE**

[72] POPLAWSKI, JOHN, US
[72] ALLENDORF, ERIC, US
[73] MIDSUN GROUP, INC.,
[73] ALLENDORF, ERIC,
[86] (2813190)
[87] (2813190)
[22] 2013-04-19
[30] US (13/827,330) 2013-03-14

[11] **2,813,399**
[13] C

[51] **Int.Cl. B60B 19/00 (2006.01) B60B 19/12 (2006.01)**
[25] EN
[54] **OMNIDIRECTIONAL WHEEL**

[54] **ROUE OMNIDIRECTIONNELLE**

[72] LIDDIARD, WILLIAM, CA
[73] LIDDIARD, WILLIAM,
[86] (2813399)
[87] (2813399)
[22] 2013-04-09

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,813,736**

[13] C

- [51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/415 (2006.01) A61P 3/04 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF THE SODIUM SALT OF (4-{4-[5-(6-TRIFLUOROMETHYL-PYRIDIN-3-YLAMINO)-PYRIDIN-2-YL]-PHENYL}-CYCLOHEXYL)-ACETIC ACID**
[54] **FORMES CRISTALLINES DU SEL DE SODIUM D'ACIDE ACETIQUE (4- {4- [5- (6 -TRIFLUOROMETHYL - PYRIDIN-3-YLAMINO)-PYRIDIN-2-YL] -PHENYL}-CYCLOHEXYL)**
[72] SUTTON, PAUL ALLEN, US
[72] GIRGIS, MICHAEL J., US
[72] LIANG, JESSICA, US
[72] PRASHAD, MAHAVIR, US
[72] VILLHAUER, EDWIN BERNARD, US
[73] NOVARTIS AG,
[85] 2013-04-04
[86] 2011-10-05 (PCT/US2011/054841)
[87] (WO2012/047948)
[30] US (61/390,888) 2010-10-07

[11] **2,813,924**

[13] C

- [51] **Int.Cl. B29C 64/386 (2017.01) B33Y 30/00 (2015.01) B33Y 50/02 (2015.01) G06F 30/00 (2020.01)**
[25] FR
[54] **RAPID PROTOTYPING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE PROTOTYPAGE RAPIDE**
[72] ALLANIC, ANDRE-LUC, FR
[73] PRODWAYS,
[85] 2013-04-05
[86] 2011-10-14 (PCT/FR2011/052407)
[87] (WO2012/049434)
[30] FR (1058412) 2010-10-15

[11] **2,814,160**

[13] C

- [51] **Int.Cl. B64D 43/00 (2006.01) G16Z 99/00 (2019.01) B64D 47/00 (2006.01) B64F 5/00 (2017.01)**
[25] EN
[54] **FULLY PARAMETRIZABLE ELECTRONIC ALERTS AND PROCEDURES MANAGEMENT SYSTEM, INTENDED FOR AN AIRCRAFT**
[54] **ALERTE ELECTRONIQUES ENTIEREMENT PARAMETRABLES ET SYSTEME DE GESTION DES PROCEDURES CONCUS POUR UN AERONEF**
[72] CHAZOTTES, XAVIER, FR
[72] BERTHEAU, STEPHANE, FR
[72] MAZENOUX, MICHEL, FR
[73] THALES,
[86] (2814160)
[87] (2814160)
[22] 2013-04-23
[30] FR (1201200) 2012-04-24

[11] **2,814,296**

[13] C

- [51] **Int.Cl. B65H 35/08 (2006.01) A61F 13/496 (2006.01)**
[25] EN
[54] **ELASTIC BREAK BRAKE APPARATUS AND METHOD FOR MINIMIZING BROKEN ELASTIC RETHREADING**
[54] **DISPOSITIF DE FREINAGE A RUPTURE D'ELASTIQUES ET PROCEDE POUR REDUIRE LE REFILETAGE DES ELASTIQUES ROMPUS**
[72] FRITZ, JEFF W., US
[72] NELSON, CHRIS, US
[72] MCCABE, JOHN A., US
[72] PETERSON, DANIEL A., US
[73] CURT G. JOA, INC.,
[86] (2814296)
[87] (2814296)
[22] 2013-04-24
[30] US (61/637,365) 2012-04-24
[30] US (61/645,867) 2012-05-11

[11] **2,814,539**

[13] C

- [51] **Int.Cl. G01N 1/10 (2006.01) F16L 9/19 (2006.01) F16L 11/22 (2006.01) G01N 1/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SAMPLE COLLECTION**
[54] **SYSTEMES ET PROCEDES DE PRELEVEMENT D'ECHANTILLON**
[72] PETERS, SCOTT R., US
[72] HAMPSCHE, JAMES M., US
[73] BIOANALYTICAL SYSTEMS, INC.,
[85] 2013-04-11
[86] 2011-10-11 (PCT/US2011/055809)
[87] (WO2012/051203)
[30] US (61/391,852) 2010-10-11

[11] **2,815,050**

[13] C

- [51] **Int.Cl. H04L 12/823 (2013.01) H04L 12/26 (2006.01) H04L 29/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANAGING BITRATE ON NETWORKS**
[54] **SYSTEME ET PROCEDE POUR GERER LE DEBIT BINAIRE DE RESEAUX**
[72] LOACH, SCOT, CA
[73] SANDVINE CORPORATION,
[86] (2815050)
[87] (2815050)
[22] 2013-05-08

[11] **2,815,109**

[13] C

- [51] **Int.Cl. A61K 31/198 (2006.01) A61P 1/14 (2006.01) A61P 3/04 (2006.01)**
[25] EN
[54] **CYSTEINE AND FOOD INTAKE**
[54] **CYSTEINE ET PRISE ALIMENTAIRE**
[72] BREUILLE, DENIS, CH
[72] PAPET, ISABELLE, FR
[72] VIDAL, KARINE, CH
[73] INRA,
[73] SOCIETE DES PRODUITS NESTLE S.A.,
[85] 2013-04-18
[86] 2011-10-19 (PCT/EP2011/068231)
[87] (WO2012/052463)
[30] EP (10188399.9) 2010-10-21

**Canadian Patents Issued
March 24, 2020**

[11] **2,815,522**
[13] C

[51] **Int.Cl. C12N 1/14 (2006.01) C12N 1/15 (2006.01) C12N 1/22 (2006.01) C13K 1/02 (2006.01)**

[25] EN

[54] **IMPROVED MYCELIOPHTHORA THERMOPHILA STRAIN HAVING REDUCED CELLOBIOSE DEHYDROGENASE I ACTIVITY**

[54] **SOUICHE DE MYCELIOPHTHORA THERMOPHILA AMELIOREE AYANT UNE ACTIVITE REDUITE DE CELLOBIOSE DESHYDROGENASE I**

[72] BAIDYARROY, DIPNATH, US

[72] DHAWAN, ISH KUMAR, US

[73] CODEXIS, INC.,

[85] 2013-04-22

[86] 2011-11-01 (PCT/US2011/058780)

[87] (WO2012/061382)

[30] US (61/409,480) 2010-11-02

[30] US (61/409,472) 2010-11-02

[30] US (61/409,217) 2010-11-02

[30] US (61/409,186) 2010-11-02

[30] US (61/497,661) 2011-06-16

[11] **2,816,190**
[13] C

[51] **Int.Cl. B01D 15/18 (2006.01) A61K 39/00 (2006.01) C07K 1/18 (2006.01) C07K 14/42 (2006.01)**

[25] EN

[54] **METHODS FOR CAPTURING VIRUS LIKE PARTICLES FROM PLANTS USING EXPANDED BED CHROMATOGRAPHY**

[54] **PROCEDES DE CAPTURE DE PARTICULES DE TYPE VIRAL A PARTIR DE PLANTES A L'AIDE D'UNE CHROMATOGRAPHIE EN LIT EXPANSE**

[72] LIHME, ALLAN, DK

[72] OISHI, KAREN, CH

[72] VAARST, INGA, DK

[72] CABRERA, ROSA, CH

[73] PHILIP MORRIS PRODUCTS S.A.,

[85] 2013-04-26

[86] 2011-10-27 (PCT/EP2011/068919)

[87] (WO2012/055986)

[30] EP (10014019.3) 2010-10-27

[11] **2,816,730**
[13] C

[51] **Int.Cl. H01R 4/01 (2006.01) H01R 13/58 (2006.01) H01R 9/03 (2006.01)**

[25] EN

[54] **ATTACHMENT RING FOR ATTACHING A SHIELD OF AN ELECTRICAL CABLE TO A BACKSHELL**

[54] **BAGUE DE FIXATION SERVANT A FIXER UN BLINDAGE DE CABLE ELECTRIQUE A UNE COQUILLE ARRIERE**

[72] MYONG, INHO, US

[73] TE CONNECTIVITY CORPORATION,

[85] 2013-05-01

[86] 2011-10-24 (PCT/US2011/057525)

[87] (WO2012/061077)

[30] US (12/939,279) 2010-11-04

[11] **2,817,255**
[13] C

[51] **Int.Cl. E04B 2/82 (2006.01) F24F 13/02 (2006.01)**

[25] EN

[54] **MODULAR IN-WALL FUNCTIONAL CONDUITS**

[54] **CONDUITS MODULAIRES FONCTIONNELS DANS LE MUR**

[72] GOSLING, GEOFF, CA

[73] DIRTT ENVIRONMENTAL SOLUTIONS, LTD.,

[85] 2013-05-31

[86] 2013-02-28 (PCT/US2013/028404)

[87] (WO2013/130871)

[30] US (61/605,061) 2012-02-29

[11] **2,817,257**
[13] C

[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/06 (2012.01) G06Q 50/08 (2012.01) G06K 19/07 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR QUALITY CONTROL, INSPECTION AND AUDIT OF UTILITY ASSETS**

[54] **SYSTEME ET METHODE AUX FINS DU CONTROLE DE LA QUALITE, DE L'INSPECTION ET DE LA VERIFICATION DES EQUIPEMENTS DE SERVITUDE**

[72] TUCKER, LAYNE D., US

[72] HOCKRIDGE, GORDON R., CA

[72] SAWYER, TOM Y., JR., US

[72] PETTY, TOM D., US

[73] ECHORFID, LLC,

[86] (2817257)

[87] (2817257)

[22] 2013-05-29

[30] US (61/652,781) 2012-05-29

[11] **2,817,260**
[13] C

[51] **Int.Cl. C08J 3/12 (2006.01) A61K 9/14 (2006.01) A61K 47/38 (2006.01) C08L 1/02 (2006.01) C08L 67/00 (2006.01)**

[25] EN

[54] **MICROSPHERES INCLUDING OXIDIZED CELLULOSE**

[54] **MICROSPHERES COMPORTANT DE LA CELLULOSE OXYDEE**

[72] BLASKOVICH, PHILLIP, US

[72] TRAMONTANO, VALENTINO, US

[72] KENNEDY, JOSHUA, US

[72] OHRI, RACHIT, US

[73] COVIDIEN LP,

[86] (2817260)

[87] (2817260)

[22] 2013-05-29

[30] US (61/653,620) 2012-05-31

[30] US (13/903,297) 2013-05-28

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,817,552**

[13] C

- [51] **Int.Cl. A61B 17/11 (2006.01) A61B 18/14 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR FORMING A FISTULA**
[54] **DISPOSITIFS ET PROCÉDES DE FORMATION D'UNE FISTULE**
[72] MILLER, GARY, H., US
[72] BERMAN, ADAM, L., US
[72] COHN, WILLIAM, E., US
[72] MESTER, DANA, R., US
[72] JELICH, DAMIAN, A., US
[73] TVA MEDICAL, INC.,
[85] 2013-05-09
[86] 2011-11-16 (PCT/US2011/061026)
[87] (WO2012/068273)
[30] US (61/414,357) 2010-11-16

[11] **2,817,675**

[13] C

- [51] **Int.Cl. C10G 3/00 (2006.01)**
[25] EN
[54] **PROCESS AND SYSTEM FOR PRODUCING FUEL COMPONENTS**
[54] **PROCEDE ET SYSTEME POUR PRODUIRE DES COMPOSANTS COMBUSTIBLES**
[72] LAUMOLA, HELI, FI
[72] KOTONEVA, JARI, FI
[72] RISSANEN, ARTO, FI
[72] NOUSIAINEN, JAAKKO, FI
[73] UPM-KYMMENE CORPORATION,
[85] 2013-05-10
[86] 2011-11-25 (PCT/FI2011/051046)
[87] (WO2012/069706)
[30] FI (20106252) 2010-11-26
[30] FI (20115217) 2011-03-03

[11] **2,817,712**

[13] C

- [51] **Int.Cl. C12N 5/07 (2010.01) C12N 5/071 (2010.01) C12N 5/095 (2010.01) C12Q 1/02 (2006.01) C12Q 1/04 (2006.01)**
[25] EN
[54] **IMMORTALIZATION OF EPITHELIAL CELLS AND METHODS OF USE**
[54] **IMMORTALISATION DE CELLULES EPITHELIALES ET LEURS PROCÉDES D'UTILISATION**
[72] SCHLEGEL, RICHARD, US
[72] LIU, XUEFENG, US
[73] GEORGETOWN UNIVERSITY,
[85] 2013-05-10
[86] 2011-11-11 (PCT/US2011/060378)
[87] (WO2012/065067)
[30] US (61/413,291) 2010-11-12
[30] US (61/474,901) 2011-04-13

[11] **2,817,879**

[13] C

- [51] **Int.Cl. A61J 3/07 (2006.01) A61K 9/10 (2006.01) A61K 9/14 (2006.01) A61K 9/16 (2006.01) A61K 9/22 (2006.01) A61K 9/48 (2006.01) A61K 31/00 (2006.01)**
[25] EN
[54] **APPARATUS AND PROCESS FOR ENCAPSULATING CAPSULES OR OTHER SOLID DOSAGE FORMS WITHIN CAPSULES**
[54] **DISPOSITIF ET PROCÉDE POUR ENCAPSULER DES CAPSULES OU D'AUTRES FORMES GALENIQUES SOLIDES DANS DES CAPSULES**
[72] ALTAMAR, CARLOS SALAZAR, CO
[72] ANAYA, GUSTAVO, CO
[72] TERAN, BRAULIO, CO
[72] NAVARRO, NEWMAN AGUAS, CO
[72] HERRERA, WILMER, CO
[73] PROCAPS SA,
[85] 2013-05-14
[86] 2011-07-18 (PCT/IB2011/002446)
[87] (WO2012/017326)
[30] US (61/344,416) 2010-07-19
[30] US (none) 2011-07-18

[11] **2,818,461**

[13] C

- [51] **Int.Cl. F16J 15/48 (2006.01) F16J 15/10 (2006.01) F16L 17/00 (2006.01) F16L 21/06 (2006.01)**
[25] EN
[54] **MULTILAYER HYDRAULIC SEAL ASSEMBLY FOR CLAMP**
[54] **ENSEMBLE JOINT HYDRAULIQUE MULTICOUCHE POUR BRIDE DE SERRAGE**
[72] CHIPROOT, AVI, IL
[72] KRAUSZ, DANNY, IL
[73] KRAUSZ INDUSTRIES LTD.,
[86] (2818461)
[87] (2818461)
[22] 2013-06-14
[30] US (13/534216) 2012-06-27

[11] **2,818,963**

[13] C

- [51] **Int.Cl. A61B 5/08 (2006.01) A61B 5/145 (2006.01) A61M 16/00 (2006.01) A61B 5/0205 (2006.01) A61B 5/029 (2006.01) A61B 5/083 (2006.01)**
[25] EN
[54] **THE AUTOMATIC LUNG PARAMETER ESTIMATOR FOR MEASURING OXYGEN AND CARBON DIOXIDE GAS EXCHANGE**
[54] **DISPOSITIF D'ESTIMATION AUTOMATIQUE DE PARAMETRES PULMONAIRES PERMETTANT DE MESURER L'ECHANGE GAZEUX D'OXYGENE ET DE DIOXYDE DE CARBONE**
[72] KARBING, DAN STIEPER, DK
[72] ANDREASSEN, STEEN, DK
[72] LINDHOLT, CLAUS, DK
[72] REES, STEPHEN EDWARD, DK
[73] MERMAID CARE A/S,
[85] 2013-05-24
[86] 2010-11-26 (PCT/DK2010/050326)
[87] (WO2012/069051)

**Canadian Patents Issued
March 24, 2020**

[11] **2,819,192**
[13] C

[51] **Int.Cl. A61B 1/015 (2006.01)**
[25] EN
[54] **DISPOSABLE SUCTION VALVE FOR AN ENDOSCOPE**
[54] **PISTON D'ASPIRATION A USAGE UNIQUE POUR UN ENDOSCOPE**
[72] ANDERSON, BOB, US
[72] ADAMS, CHRISTOPHER STEVEN, US
[72] BYRNE, DON, US
[73] MEDIVATORS INC.,
[85] 2013-05-27
[86] 2011-11-30 (PCT/US2011/062594)
[87] (WO2012/075116)
[30] US (61/418,089) 2010-11-30

[11] **2,819,289**
[13] C

[51] **Int.Cl. A61N 1/04 (2006.01) A61B 17/34 (2006.01) A61M 37/00 (2006.01) A61N 1/05 (2006.01)**
[25] EN
[54] **HELICAL INSERTER**
[54] **INSTRUMENT D'INTRODUCTION HELICOIDAL**
[72] FUGLISTER, FABIAN HERMANN URBAN, CH
[73] FUGLISTER, FABIAN HERMANN URBAN,
[85] 2013-05-29
[86] 2011-11-30 (PCT/IB2011/002878)
[87] (WO2012/073097)
[30] US (61/417,937) 2010-11-30

[11] **2,819,318**
[13] C

[51] **Int.Cl. E21B 44/06 (2006.01) E21B 10/00 (2006.01) E21B 44/00 (2006.01)**
[25] EN
[54] **DRILLING OPTIMIZATION WITH A DOWNHOLE MOTOR**
[54] **OPTIMISATION DE FORAGE EN UTILISANT UN MOTEUR EN FOND DE TROU**
[72] RINGER, MAURICE, GB
[72] BARRETT, MICHAEL P., GB
[72] JEFFRYES, BENJAMIN P., GB
[72] ALDRED, WALTER DAVID, GB
[72] JOHNSON, ASHLEY, GB
[72] TUNC, GOKTURK, GB
[72] COOK, JOHN, GB
[73] SCHLUMBERGER CANADA LIMITED,
[85] 2013-05-29
[86] 2011-12-13 (PCT/IB2011/003019)
[87] (WO2012/080812)
[30] US (61/422,409) 2010-12-13
[30] US (61/422,412) 2010-12-13
[30] US (61/422,420) 2010-12-13

[11] **2,819,322**
[13] C

[51] **Int.Cl. G01C 22/00 (2006.01) B60W 40/10 (2012.01)**
[25] EN
[54] **METHOD FOR DETERMINING THE LENGTH OF A PATH TRAVELED BY A VEHICLE**
[54] **METHODE POUR DETERMINER LA LONGUEUR D'UN TRAJET PARCOURU PAR UN VEHICULE**
[72] TIJINK, JASJA, AT
[72] SCHEIDER, THOMAS, AT
[72] WEIMANN, FRANZ, AT
[72] SCHRODL, SOREN, AT
[73] KAPSCH TRAFFICOM AG,
[86] (2819322)
[87] (2819322)
[22] 2013-06-26
[30] EP (12180295.3) 2012-08-13

[11] **2,819,634**
[13] C

[51] **Int.Cl. H04W 12/06 (2009.01) H04W 12/08 (2009.01) G06F 21/57 (2013.01) G06F 8/65 (2018.01)**
[25] EN
[54] **SECURITY, FRAUD DETECTION, AND FRAUD MITIGATION IN DEVICE-ASSISTED SERVICES SYSTEMS**
[54] **SECURITE, DETECTION DE FRAUDE ET REDUCTION DE FRAUDE DANS DES SYSTEMES DE SERVICES ASSISTES PAR DISPOSITIF**
[72] RALEIGH, GREGORY G., US
[72] GREEN, JEFFREY, US
[72] LAVINE, JAMES, US
[73] HEADWATER RESEARCH LLC,
[85] 2013-05-31
[86] 2011-12-01 (PCT/US2011/062942)
[87] (WO2012/075323)
[30] US (61/418,507) 2010-12-01
[30] US (61/418,509) 2010-12-01
[30] US (61/422,572) 2010-12-13
[30] US (61/422,574) 2010-12-13
[30] US (61/550,906) 2011-10-24

[11] **2,819,912**
[13] C

[51] **Int.Cl. G01N 1/14 (2006.01) A61B 1/00 (2006.01)**
[25] EN
[54] **A DEVICE AND METHOD OF TAKING SAMPLES FROM MEDICAL EQUIPMENT FOR THE PURPOSE OF MICROBIOLOGICAL TESTING**
[54] **DISPOSITIF ET PROCEDE DE PRELEVEMENT D'ECHANTILLONS A PARTIR D'UN EQUIPEMENT MEDICAL POUR L'ANALYSE MICROBIOLOGIQUE**
[72] CONNOR, GUY, AU
[72] STOKES, ROLAND IAN, AU
[72] FRANK, DAVID, AU
[73] ENDOWORX PTY LTD,
[85] 2013-06-03
[86] 2012-01-11 (PCT/AU2012/000013)
[87] (WO2012/094702)
[30] AU (2011900078) 2011-01-12

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,819,947**
[13] C

[51] **Int.Cl. C07K 16/08 (2006.01) A61K 39/395 (2006.01) A61K 49/00 (2006.01) A61P 31/20 (2006.01) C12N 5/10 (2006.01) G01N 33/53 (2006.01) G01N 33/569 (2006.01) G01N 33/574 (2006.01) G01N 33/577 (2006.01) C12N 15/09 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **MONOCLONAL ANTIBODY RECOGNIZING HUMAN PAPILLOMAVIRUS (HPV) L2 PROTEIN AND METHOD FOR MEASURING HPV-NEUTRALIZING ANTIBODY TITER USING THE SAME**

[54] **ANTICORPS MONOCLONAL CAPABLE DE RECONNAITRE LA PROTEINE L2 DU PAPILLOMAVIRUS HUMAIN (HPV) ET PROCEDE DE MESURE DU TITRE EN ANTICORPS NEUTRALISANT LE HPV L'EMPLOYANT**

[72] MORI, SEIICHIRO, JP
[72] KANDA, TADAHITO, JP
[73] JAPAN HEALTH SCIENCES FOUNDATION,
[85] 2013-05-31
[86] 2011-12-26 (PCT/JP2011/079994)
[87] (WO2012/090895)
[30] JP (2010-291067) 2010-12-27

[11] **2,820,103**
[13] C

[51] **Int.Cl. G08B 21/18 (2006.01) A01F 25/00 (2006.01)**

[25] EN

[54] **ADAPTIVE BANDWIDTH CONSUMPTION IN REMOTE MONITORING OF AGRICULTURAL ASSETS**

[54] **CONSOMMATION DE BANDE PASSANTE ADAPTATIVE EN MATIERE DE SURVEILLANCE A DISTANCE D'ACTIFS AGRICOLES**

[72] FOLK, KYLE R., CA
[73] INTRAGRAIN TECHNOLOGIES INC.,
[86] (2820103)
[87] (2820103)
[22] 2013-06-18
[30] CA (2783045) 2012-07-16
[30] CA (2785404) 2012-08-13

[11] **2,820,362**
[13] C

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 43/00 (2006.01)**

[25] EN

[54] **SUBSTITUTED PYRAZOLOPYRIMIDINES AS GLUCOCEREBROSIDASE ACTIVATORS**

[54] **UTILISATION DES PYRAZOLOPYRIMIDINES SUBSTITUEES COMME ACTIVATEURS DE GLUCOCEREBROSIDASE**

[72] MARUGAN, JUAN JOSE, US
[72] SOUTHALL, NOEL, US
[72] GOLDIN, EHUD, US
[72] PATNAIK, SAMARJIT, US
[72] SIDRANSKY, ELLEN, US
[72] MOTABAR, Omid, US
[72] WESTBROOK, WENDY, US
[72] ZHENG, WEI, US
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMT OF HEALTH AND HUMAN SERVICES,
[85] 2013-06-05
[86] 2011-12-08 (PCT/US2011/063928)
[87] (WO2012/078855)
[30] US (61/420,946) 2010-12-08

[11] **2,820,610**
[13] C

[51] **Int.Cl. B01D 27/08 (2006.01)**

[25] EN

[54] **METHOD FOR MANUFACTURING A FILTER SEAL**

[54] **METHODE DE FABRICATION D'UN JOINT D'ETANCHEITE DE FILTRE**

[72] FERGUSON, ROBERT H., US
[72] TATE, JASON LAMARR, US
[72] ROLL, MARK A., US
[72] LANIER, RONALD VANN, JR., US
[72] BAKER, MITCHELL JEROME, US
[73] WIX FILTRATION CORP LLC,
[86] (2820610)
[87] (2820610)
[22] 2009-08-13
[62] 2,734,255
[30] US (12/192,651) 2008-08-15

[11] **2,820,743**
[13] C

[51] **Int.Cl. B60P 7/02 (2006.01) B60J 11/06 (2006.01)**

[25] EN

[54] **TONNEAU COVER RETENTION AND DRAIN SYSTEMS**

[54] **SYSTEMES DE RETENUE ET DE DRAINAGE DE COUVERCLE DE COUVRE-CAISSE**

[72] RUSHER, RYAN, US
[72] FACCHINELLO, JEROME, US
[73] EXTANG CORPORATION,
[86] (2820743)
[87] (2820743)
[22] 2013-06-25
[30] US (13/572,867) 2012-08-13

[11] **2,820,843**
[13] C

[51] **Int.Cl. G01N 33/66 (2006.01) G01N 33/543 (2006.01)**

[25] EN

[54] **USE OF HYDROGELS FOR BIOSENSORS HAVING ELEVATED SENSITIVITY**

[54] **UTILISATION D'HYDROGELS POUR DES BIOCAPTEURS A SENSIBILITE ACCRUE**

[72] MULLER, ACHIM, DE
[72] HERBRECHTSMEIER, PETER, DE
[72] KNUTH, MONIKA, DE
[72] NIKOLAUS, KATHARINA, DE
[73] EYESENSE AG,
[85] 2013-06-07
[86] 2011-12-13 (PCT/EP2011/072622)
[87] (WO2012/080258)
[30] EP (10195668.8) 2010-12-17

[11] **2,820,924**
[13] C

[51] **Int.Cl. A61K 39/00 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 37/00 (2006.01)**

[25] EN

[54] **METHOD FOR SUPPRESSING AN IMMUNE RESPONSE**

[54] **PROCEDE POUR SUPPRIMER UNE REPOSE IMMUNITAIRE**

[72] VAN KOOYK, YVETTE, NL
[72] UNGER, WENDY, NL
[73] VERENIGING VOOR CHRISTELIJK WETENSCHAPPELIJK ONDERWIJS,
[85] 2013-06-10
[86] 2011-12-15 (PCT/EP2011/073006)
[87] (WO2012/080444)
[30] EP (10195279.4) 2010-12-15

**Canadian Patents Issued
March 24, 2020**

[11] **2,821,390**
[13] C

[51] **Int.Cl. C08G 18/16 (2006.01) C08G 18/22 (2006.01) C09D 175/00 (2006.01) C09D 175/04 (2006.01)**

[25] EN

[54] **POLYURETHANE COMPOSITIONS FOR CLEAR COATING AND PIGMENTED COATING MATERIALS, APPLICATIONS IN AUTOMOTIVE REFINISH, COATING OF PLASTICS SUBSTRATES AND/OR COATING OF UTILITY VEHICLES**

[54] **COMPOSITIONS DE POLYURETHANE DESTINEES AUX MATERIAUX DE REVETEMENT CLAIR ET DE REVETEMENT PIGMENTE, APPLICATIONS DANS LA REMISE EN ETAT D'AUTOMOBILE, REVETEMENT DE SUBSTRATS EN PLASTIQUE ET REVETEMENT DE VEHICULES UTILITAIRES**

[72] WESTHOFF, ELKE, DE
[72] HOFFMANN, PETER, DE
[72] MOLLER, BERNADETTE, DE
[72] SCHNIER, BENEDIKT, DE
[73] BASF COATINGS GMBH,
[85] 2013-06-12
[86] 2012-01-31 (PCT/EP2012/051574)
[87] (WO2012/123166)
[30] US (61/452175) 2011-03-14
[30] EP (11158001.5) 2011-03-14

[11] **2,821,506**
[13] C

[51] **Int.Cl. E21B 43/116 (2006.01)**

[25] EN

[54] **PERFORATION GUN COMPONENTS AND SYSTEM**

[54] **MECANISME ET COMPOSANTES DE FUSIL A PERFORATION**

[72] PARKS, DAVE, CA
[72] PREISS, FRANK, DE
[72] MCNELIS, LIAM, DE
[72] MULHERN, ERIC, CA
[72] SCHARF, THILO, DE
[73] DYNAENERGETICS GMBH & CO. KG,
[73] JDP ENGINEERING & MACHINE INC.,
[86] (2821506)
[87] (2821506)
[22] 2013-07-18

[11] **2,821,577**
[13] C

[51] **Int.Cl. G10L 19/083 (2013.01) G10L 19/12 (2013.01)**

[25] EN

[54] **DEVICE AND METHOD FOR QUANTIZING THE GAINS OF THE ADAPTIVE AND FIXED CONTRIBUTIONS OF THE EXCITATION IN A CELP CODEC**

[54] **DISPOSITIF ET PROCEDE DE QUANTIFICATION DES GAINS DES CONTRIBUTIONS ADAPTATIVE ET FIXE DE L'EXCITATION DANS UN CODEC CELP**

[72] MALENOVSKY, VLADIMIR, CA
[73] VOICEAGE EVS LLC,
[85] 2013-06-13
[86] 2012-02-14 (PCT/CA2012/000138)
[87] (WO2012/109734)
[30] US (61/442,960) 2011-02-15

[11] **2,821,661**
[13] C

[51] **Int.Cl. C02F 3/30 (2006.01) C02F 3/26 (2006.01) C02F 3/12 (2006.01) C02F 3/20 (2006.01)**

[25] EN

[54] **PROCESS FOR TREATING WATER BY NITRITATION-DENITRATION COMPRISING AT LEAST ONE AERATED STEP AND ONE STEP FOR CONTROLLING THE OXYGEN INPUT DURING THE AERATED STEP**

[54] **PROCEDE ET INSTALLATION DE TRAITEMENT D'EAU PAR NITRITATION - DENITRITATION COMPRENANT AU MOINS UNE ETAPE AEREE ET UNE ETAPE DE CONTROLE DE L'APPORT EN OXYGENE AU COURS DE L'ETAPE AEREE**

[72] LEMAIRE, ROMAIN, FR
[72] DANIEL, OLIVIER, FR
[73] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT,
[85] 2013-06-13
[86] 2011-12-23 (PCT/EP2011/074008)
[87] (WO2012/085288)
[30] FR (1061255) 2010-12-24

[11] **2,821,901**
[13] C

[51] **Int.Cl. E21B 19/24 (2006.01)**

[25] EN

[54] **CONTINUOUS ROD CENTRALIZER**

[54] **CENTREUR A TIGE CONTINUE**

[72] BINETRUY, GERALD L., CA
[72] BINETRUY, MARK J., CA
[73] BINETRUY, GERALD L.,
[73] BINETRUY, MARK J.,
[86] (2821901)
[87] (2821901)
[22] 2013-07-25
[30] CA (2784269) 2012-07-27

[11] **2,822,568**
[13] C

[51] **Int.Cl. E21D 20/02 (2006.01) E21D 21/00 (2006.01)**

[25] EN

[54] **ANCHORING SYSTEMS FOR MINES**

[54] **SYSTEMES D'ANCRAGE POUR MINES**

[72] SIMMONS, WALTER JOHN, US
[72] SIMMONS, WALTER NEAL, US
[73] TERRASIMCO, INC.,
[85] 2013-06-20
[86] 2011-11-07 (PCT/US2011/059663)
[87] (WO2012/061842)
[30] US (61/410,933) 2010-11-07

[11] **2,823,691**
[13] C

[51] **Int.Cl. G06F 8/41 (2018.01) G06F 11/36 (2006.01)**

[25] EN

[54] **FLOW ANALYSIS INSTRUMENTATION**

[54] **INSTRUMENTATION DE L'ANALYSE DE FLUX**

[72] ROBERTS, ANDREW F., US
[73] AB INITIO TECHNOLOGY LLC,
[85] 2013-07-03
[86] 2012-01-05 (PCT/US2012/020334)
[87] (WO2012/094496)
[30] US (61/430,625) 2011-01-07

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,823,914**
[13] C

[51] **Int.Cl. B27B 31/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR
DOUBLE EVEN ENDING LUMBER**
[54] **SYSTEME ET PROCEDE POUR
BOIS D'OEUVRE A EXTREMITE
EGALE DOUBLE**
[72] RAYBON, CHRIS, US
[72] KENNEDY, RUSSELL, US
[72] CONRY, PAT, US
[73] BAXLEY EQUIPMENT CO.,
[86] (2823914)
[87] (2823914)
[22] 2013-08-16
[30] US (61/684,529) 2012-08-17
[30] US (13/967,954) 2013-08-15

[11] **2,823,999**
[13] C

[51] **Int.Cl. A01N 25/32 (2006.01) A01N
25/00 (2006.01) A01N 43/16 (2006.01)
A01P 21/00 (2006.01) A01N 43/36
(2006.01) A01N 43/56 (2006.01) A01N
43/653 (2006.01) A01N 43/88
(2006.01) A01N 47/40 (2006.01) A01N
51/00 (2006.01)**
[25] EN
[54] **USE OF LIPOCHITO-
OLIGOSACCHARIDE
COMPOUNDS FOR
SAFEGUARDING SEED SAFETY
OF TREATED SEEDS**
[54] **UTILISATION DE COMPOSES DE
LIPOCHITO-OLIGOSACCHARIDE
POUR LA PROTECTION DES
GRAINES TRAITÉES**
[72] ANDERSCH, WOLFRAM, DE
[72] MEISSNER, RUTH, DE
[72] PORTZ, DANIELA, DE
[72] VORS, JEAN-PIERRE, FR
[73] BAYER INTELLECTUAL
PROPERTY GMBH,
[85] 2013-07-05
[86] 2012-03-09 (PCT/EP2012/054065)
[87] (WO2012/120105)
[30] EP (11356001.5) 2011-03-10
[30] US (61/451,262) 2011-03-10

[11] **2,825,462**
[13] C

[51] **Int.Cl. C10L 9/08 (2006.01) C02F 9/00
(2006.01)**
[25] EN
[54] **METHOD FOR THE TREATMENT
OF PROCESS WATER FROM A
PLANT FOR THE
HYDROTHERMAL
CARBONIZATION OF
RENEWABLE RAW MATERIALS
AND ORGANIC RESIDUAL
MATERIALS**
[54] **PROCEDE DE TRAITEMENT
D'UNE EAU DE TRAITEMENT
ISSUE D'UNE INSTALLATION DE
CARBONISATION
HYDROTHERMALE DE
MATIERES PREMIERES
RENOUVELABLES ET DE
RESIDUS ORGANIQUES**
[72] WITTMANN, TOBIAS, DE
[73] SUNCOAL INDUSTRIES GMBH,
[85] 2013-07-23
[86] 2012-01-27 (PCT/EP2012/000375)
[87] (WO2012/100954)
[30] DE (10 2011 009 775.9) 2011-01-28

[11] **2,825,651**
[13] C

[51] **Int.Cl. C01B 25/00 (2006.01) C01B
25/32 (2006.01) C07K 1/16 (2006.01)
C07K 16/00 (2006.01)**
[25] EN
[54] **APATITE SURFACE
NEUTRALIZATION WITH
ALKALI SOLUTIONS**
[54] **NEUTRALISATION D'UNE
SURFACE A BASE D'APATITE
PAR LE BIAIS DE SOLUTIONS
ALCALINES**
[72] CUMMINGS, LARRY J., US
[73] BIO-RAD LABORATORIES, INC.,
[85] 2013-07-24
[86] 2012-02-01 (PCT/US2012/023512)
[87] (WO2012/106449)
[30] US (61/438,729) 2011-02-02

[11] **2,826,276**
[13] C

[51] **Int.Cl. C12N 15/82 (2006.01) C07K
14/415 (2006.01)**
[25] EN
[54] **ROOT-PREFERRED PROMOTER
AND METHODS OF USE**
[54] **PROMOTEUR DESTINE DE
PREFERENCE AUX RACINES ET
METHODES D'UTILISATION**
[72] DIEHN, SCOTT, US
[72] PETERSON-BURCH, BROOKE, US
[73] PIONEER HI-BRED
INTERNATIONAL, INC.,
[85] 2013-07-31
[86] 2012-02-13 (PCT/US2012/024802)
[87] (WO2012/112411)
[30] US (61/442,930) 2011-02-15

[11] **2,826,423**
[13] C

[51] **Int.Cl. H04N 19/13 (2014.01) H04N
19/42 (2014.01)**
[25] EN
[54] **IMAGE CODING METHOD,
IMAGE CODING APPARATUS,
IMAGE DECODING METHOD,
AND IMAGE DECODING
APPARATUS**
[54] **METHODE DE CODAGE
D'IMAGE, APPAREIL DE
CODAGE D'IMAGE, METHODE
DE DECODAGE D'IMAGE ET
APPAREIL DE DECODAGE
D'IMAGE**
[72] SASAI, HISAO, JP
[72] NISHI, TAKAHIRO, JP
[72] SHIBAHARA, YOUJI, JP
[72] SUGIO, TOSHIYASU, JP
[72] TANIKAWA, KYOKO, JP
[72] MATSUNOBU, TORU, JP
[72] TERADA, KENGO, JP
[73] SUN PATENT TRUST,
[85] 2013-08-01
[86] 2012-11-05 (PCT/JP2012/007069)
[87] (WO2013/069246)
[30] US (61/556,406) 2011-11-07

**Canadian Patents Issued
March 24, 2020**

[11] **2,826,701**
[13] C

[51] **Int.Cl. F16M 11/10 (2006.01) F16M 11/20 (2006.01) F16M 11/28 (2006.01)**

[25] EN

[54] **BIFOCAL DISPLAY POSITIONING APPARATUS AND METHOD**

[54] **PROCEDE ET APPAREIL DE POSITIONNEMENT D'AFFICHAGE BIFOCAL**

[72] ERGUN, MUSTAFA, US

[72] LINDBLAD, SHAUN C., US

[72] ASAMARAI, SAEB, US

[72] PAULSEN, KEVIN, US

[73] ERGOTRON, INC.,

[85] 2013-08-06

[86] 2012-02-11 (PCT/US2012/024783)

[87] (WO2012/109638)

[30] US (61/441,774) 2011-02-11

[11] **2,826,973**
[13] C

[51] **Int.Cl. C07D 241/08 (2006.01) B01J 31/02 (2006.01) C07C 229/00 (2006.01)**

[25] EN

[54] **FORMATION OF N-PROTECTED BIS-3,6-(4-AMINOALKYL)-2,5-DIKETOPIPERAZINE**

[54] **FORMATION DE 3,6-BIS(4-AMINOALKYL)-2,5-DICETOPIPERAZINE N-PROTEGEE**

[72] FREEMAN, JOHN, J., US

[72] STAMPER, ADRIENNE, US

[72] HEITMANN, MELISSA, US

[73] MANNKIND, CORP,

[85] 2013-08-09

[86] 2012-02-07 (PCT/US2012/024160)

[87] (WO2012/109256)

[30] US (61/441,525) 2011-02-10

[11] **2,827,022**
[13] C

[51] **Int.Cl. C12M 1/107 (2006.01) C12M 1/21 (2006.01)**

[25] EN

[54] **AN APPARATUS FOR PRODUCTION OF BIOGAS BY DIGESTION OF ORGANIC MATERIAL**

[54] **APPAREIL POUR LA PRODUCTION DE BIOGAZ PAR DIGESTION DE MATIERE ORGANIQUE**

[72] HOJSGAARD, SOREN JOHANNES, DK

[72] NIELSEN, BENTE ELISE, DK

[72] KOEFOED-HANSEN, PER, DK

[73] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT,

[85] 2013-08-09

[86] 2012-02-08 (PCT/EP2012/052128)

[87] (WO2012/107489)

[30] EP (11154168.6) 2011-02-11

[11] **2,827,426**
[13] C

[51] **Int.Cl. A61M 1/36 (2006.01) A61K 35/14 (2015.01) A61M 1/16 (2006.01) C12M 3/00 (2006.01) C12M 3/06 (2006.01) G01N 33/543 (2006.01)**

[25] EN

[54] **CLOSED-CIRCUIT DEVICE AND METHODS FOR ISOLATION, MODIFICATION, AND RE-ADMINISTRATION OF SPECIFIC CONSTITUENTS FROM A BIOLOGICAL FLUID SOURCE**

[54] **DISPOSITIF EN CIRCUIT FERME ET METHODES D'ISOLATION, DE MODIFICATION ET DE READMINISTRATION DE COMPOSANTS SPECIFIQUES D'UNE SOURCE DE FLUIDE BIOLOGIQUE**

[72] MCNEIL, GARY L., US

[73] MCNEIL, GARY L.,

[86] (2827426)

[87] (2827426)

[22] 2013-09-09

[30] US (13/843,778) 2013-03-15

[30] US (61/699,433) 2012-09-11

[11] **2,827,429**
[13] C

[51] **Int.Cl. G16B 25/20 (2019.01) C12Q 1/6811 (2018.01) C12Q 1/6876 (2018.01) C07H 21/00 (2006.01) C12P 19/34 (2006.01) C12N 9/12 (2006.01)**

[25] EN

[54] **POLYMERASE PREFERENCE INDEX**

[54] **INDICE DE PREFERENCE DE POLYMERASES**

[72] HAN, JIAN, US

[73] IREPertoire, INC.,

[85] 2013-08-15

[86] 2012-01-19 (PCT/US2012/021917)

[87] (WO2012/100089)

[30] US (61/434,402) 2011-01-19

[11] **2,827,693**
[13] C

[51] **Int.Cl. E06B 1/70 (2006.01) E06B 7/14 (2006.01) E06B 7/26 (2006.01)**

[25] EN

[54] **WATER RESISTANT DOOR THRESHOLD AND SYSTEM**

[54] **SEUIL DE PORTE RESISTANT A L'EAU ET SYSTEME CORRESPONDANT**

[72] JOLIE, JOSEPH L., CA

[72] BONDY, JAMES, CA

[72] ADDISON, JEFFREY C., CA

[72] MACCORMACK, VINCENT J., CA

[73] FENOVATION LIMITED,

[86] (2827693)

[87] (2827693)

[22] 2013-09-17

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,828,030**

[13] C

- [51] **Int.Cl. C01B 33/193 (2006.01)**
[25] EN
[54] **METHOD FOR THE SEPARATION OF METAL IONS THAT ARE DIVALENT OR HIGHER FROM STRONG ACIDS OR HIGHLY ACIDIC MEDIA**
[54] **PROCEDE D'EPURATION D'ACIDES FORTS OU DE MILIEUX ACIDES FORTS PAR LA SEPARATION D'IONS METALLIQUES BIVALENTS ET DE VALENCE SUPERIEURE**
[72] PANZ, CHRISTIAN, DE
[72] PAULAT, FLORIAN, DE
[72] TITZ, GUIDO, DE
[72] MULLER, SVEN, DE
[72] ERLHOFER, PETER, DE
[72] RUF, MARKUS, DE
[72] FRINGS, BODO, DE
[72] RAULEDER, HARTWIG, DE
[72] BARTHEL, THOMAS, DE
[72] SIRAY, MUSTAFA, DE
[72] BEHNISCH, JURGEN, DE
[73] EVONIK OPERATIONS GMBH,
[85] 2013-08-22
[86] 2012-02-10 (PCT/EP2012/052254)
[87] (WO2012/113657)
[30] DE (10 2011 004 533.3) 2011-02-22

[11] **2,829,047**

[13] C

- [51] **Int.Cl. H04L 12/24 (2006.01) H04L 12/40 (2006.01) H04L 12/66 (2006.01) H04L 29/08 (2006.01)**
[25] EN
[54] **COORDINATION OF M2M DEVICE OPERATION**
[54] **COORDINATION DU FONCTIONNEMENT DE DISPOSITIFS M2M**
[72] ZHU, ZHONGWEN, CA
[73] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL),
[85] 2013-09-04
[86] 2012-07-18 (PCT/IB2012/053670)
[87] (WO2013/011472)
[30] US (13/186,196) 2011-07-19

[11] **2,829,141**

[13] C

- [51] **Int.Cl. G16H 10/00 (2018.01) G16H 40/40 (2018.01)**
[25] EN
[54] **METHOD, CONTROL MODULE, APPARATUS AND SYSTEM FOR TRANSFERRING DATA**
[54] **PROCEDE, MODULE DE COMMANDE, APPAREIL ET SYSTEME POUR LE TRANSFERT DE DONNEES**
[72] WITTNER, BERND, SE
[72] KROON, JACOB, SE
[73] GAMBRO LUNDIA AB,
[85] 2013-09-05
[86] 2012-03-08 (PCT/EP2012/053998)
[87] (WO2012/120078)
[30] US (61/450,182) 2011-03-08
[30] SE (1150202-8) 2011-03-08

[11] **2,829,220**

[13] C

- [51] **Int.Cl. E21B 31/113 (2006.01) E21B 4/14 (2006.01) E21B 31/107 (2006.01)**
[25] EN
[54] **JARRING METHOD AND APPARATUS USING FLUID PRESSURE TO RESET JAR**
[54] **PROCEDE ET APPAREIL DE BATTAGE UTILISANT UNE PRESSION DE FLUIDE POUR RETABLIR UNE COULISSE**
[72] SCHULTZ, ROGER L., US
[72] FERGUSON, ANDREW M., US
[72] CONNELL, MICHAEL L., US
[73] THRU TUBING SOLUTIONS, INC.,
[85] 2013-09-05
[86] 2012-03-06 (PCT/US2012/027811)
[87] (WO2012/122141)
[30] US (13/044,785) 2011-03-10

[11] **2,829,406**

[13] C

- [51] **Int.Cl. A47J 37/00 (2006.01)**
[25] EN
[54] **COOKING DEVICE WITH A STEAM-GENERATING ELEMENT**
[54] **APPAREIL DE CUISSON AVEC ELEMENT GENERATEUR DE VAPEUR**
[72] BECKER, TORBEN, DE
[72] TEN HAAF, JULIA, DE
[73] MIELE & CIE. KG,
[86] (2829406)
[87] (2829406)
[22] 2013-10-09
[30] DE (10 2012 109 631.7) 2012-10-10

[11] **2,829,510**

[13] C

- [51] **Int.Cl. A47J 31/22 (2006.01) B65D 85/804 (2006.01)**
[25] EN
[54] **BEVERAGE CAPSULE FOR PREPARING A BEVERAGE BY CENTRIFUGATION IN A BEVERAGE PREPARATION DEVICE**
[54] **CAPSULE DE BOISSON POUR LA PREPARATION D'UNE BOISSON PAR CENTRIFUGATION DANS UN DISPOSITIF DE PREPARATION DE BOISSON**
[72] ABEGGLEN, DANIEL, CH
[72] GERBAULET, ARNAUD, FR
[72] TINEMBART, JEAN-FRANCOIS, CH
[72] PERENTES, ALEXANDRE, CH
[73] SOCIETE DES PRODUITS NESTLE S.A.,
[85] 2013-09-09
[86] 2012-03-29 (PCT/EP2012/055609)
[87] (WO2012/130928)
[30] EP (11160908.7) 2011-04-01
[30] EP (11183807.4) 2011-10-04

[11] **2,829,784**

[13] C

- [51] **Int.Cl. F42B 39/10 (2006.01)**
[25] EN
[54] **AMMUNITION LINKING AND DELINKING MECHANISM**
[54] **MECANISME DE LIAISON ET DE LIBERATION DE MUNITIONS**
[72] AW, CHENG HOK, SG
[72] SIM, SIAH KWANG, SG
[72] KOH, ZHIYAN, SG
[72] YAK, CHEE KEONG, SG
[72] YANG, TIN POH MICHAEL, SG
[73] ADVANCED MATERIAL ENGINEERING PTE LTD,
[85] 2013-09-11
[86] 2013-02-07 (PCT/SG2013/000053)
[87] (WO2013/122541)
[30] SG (201201044-3) 2012-02-14

**Canadian Patents Issued
March 24, 2020**

[11] **2,829,821**
[13] C

[51] **Int.Cl. H04B 7/185 (2006.01)**
[25] EN
[54] **SATELLITE HAVING A PLURALITY OF DIRECTIONAL ANTENNAS FOR TRANSMITTING AND/OR RECEIVING AIR-TRAFFIC CONTROL RADIO SIGNALS**

[54] **SATELLITE COMPORTANT UNE PLURALITE D'ANTENNES DIRECTIVES POUR EMETTRE ET/OU RECEVOIR DES SIGNAUX RADIO DE SECURITE AERIENNE**

[72] BEHRENS, JORG, DE
[72] WERNER, KLAUS, DE
[72] HAUER, LARS-CHRISTIAN, DE
[72] DELOVSKI, TONI, DE
[73] DEUTSCHES ZENTRUM FUR LUFT-UND RAUMFAHRT E.V.,
[85] 2013-09-11
[86] 2012-03-09 (PCT/EP2012/054117)
[87] (WO2012/123361)
[30] DE (102011013737.8) 2011-03-11

[11] **2,830,103**
[13] C

[51] **Int.Cl. B29C 59/00 (2006.01) B82Y 30/00 (2011.01) B21D 22/02 (2006.01) B22C 7/04 (2006.01) B81C 1/00 (2006.01) C08J 5/18 (2006.01) C12M 1/34 (2006.01) G01N 21/77 (2006.01)**

[25] EN
[54] **MICROFLUIDIC SYSTEM HAVING MONOLITHIC NANOPLASMONIC STRUCTURES**

[54] **SYSTEME MICROFLUIDIQUE AYANT DES STRUCTURES MONOLITHIQUES NANOPLASMONIQUES**

[72] MALIC, LIDIJA, CA
[72] MORTON, KEITH, CA
[72] VERES, TEODOR, CA
[73] NATIONAL RESEARCH COUNCIL OF CANADA,
[85] 2013-09-13
[86] 2012-03-12 (PCT/CA2012/000203)
[87] (WO2012/122628)
[30] US (61/452,868) 2011-03-15

[11] **2,830,179**
[13] C

[51] **Int.Cl. G06F 3/048 (2013.01) G06F 3/14 (2006.01)**

[25] EN
[54] **METHOD AND APPARATUS FOR PROVIDING GRAPHICAL USER INTERFACE**

[54] **PROCEDE ET APPAREIL DE CREATION D'UNE INTERFACE UTILISATEUR GRAPHIQUE**

[72] EOM, SANG YONG, KR
[72] KIM, DONG SUB, KR
[72] LEE, JOON GYU, KR
[73] SAMSUNG ELECTRONICS CO., LTD.,
[85] 2013-09-13
[86] 2012-03-02 (PCT/KR2012/001569)
[87] (WO2012/128485)
[30] KR (10-2011-0024480) 2011-03-18
[30] KR (10-2012-0021034) 2012-02-29

[11] **2,830,225**
[13] C

[51] **Int.Cl. A01N 1/02 (2006.01)**

[25] EN
[54] **APPARATUS FOR OXYGENATION AND PERFUSION OF TISSUE FOR ORGAN PRESERVATION**

[54] **APPAREIL UTILISE POUR OXYGENER ET PERFUSER UN TISSU DE L'ORGANISME POUR SA PRESERVATION**

[72] JUDSON, JARED, US
[72] MAIER, LISA MARIA, US
[73] PARAGONIX TECHNOLOGIES, INC.,
[73] JUDSON, JARED,
[73] MAIER, LISA MARIA,
[85] 2013-09-13
[86] 2012-03-15 (PCT/US2012/029157)
[87] (WO2012/125782)
[30] US (61/452,917) 2011-03-15
[30] US (61/541,425) 2011-09-30

[11] **2,831,015**
[13] C

[51] **Int.Cl. C07D 239/96 (2006.01) A61K 31/517 (2006.01) A61P 9/00 (2006.01) A61P 35/00 (2006.01) C07D 401/06 (2006.01)**

[25] EN
[54] **1-(ARYLMETHYL)QUINAZOLINE-2,4(1H,3H)-DIONES AS PARP INHIBITORS AND THE USE THEREOF**

[54] **1-(ARYLMETHYL)QUINAZOLINE-2,4(1H,3H)-DIONES EN TANT QU'INHIBITEURS DE PARP ET UTILISATION DE CELLES-CI**

[72] CAI, SUI XIONG, CN
[72] TIAN, YE EDWARD, CN
[72] DONG, HAIJUN, CN
[72] XU, QINGBING, CN
[72] WU, LIZHEN, CN
[72] LIU, LIJUN, CN
[72] JIANG, YANGZHEN, CN
[72] BAO, QINGLI, CN
[72] WANG, GUOXIANG, CN
[72] YIN, FENG, CN
[72] GU, CHENGYUN, CN
[72] HU, XIUHUA, CN
[72] WANG, XIAOZHU, CN
[72] KANG, SISHUN, CN
[72] CHEN, SHENGZHI, CN
[73] IMPACT THERAPEUTICS, INC.,
[85] 2013-09-23
[86] 2012-03-31 (PCT/CN2012/073362)
[87] (WO2012/130166)
[30] CN (201110082475.6) 2011-04-01
[30] CN (PCT/CN2011/077034) 2011-07-11

[11] **2,831,467**
[13] C

[51] **Int.Cl. A61K 47/50 (2017.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01)**

[25] EN
[54] **PREPARATION OF MAYTANSINOID ANTIBODY CONJUGATES BY A ONE-STEP PROCESS**

[54] **PREPARATION DE CONJUGUES DE MAYTANSINOIDE ANTICORPS PAR PROCEDE EN UNE ETAPE**

[72] LI, XINFANG, US
[72] WORFUL, JARED M., US
[73] IMMUNOGEN, INC.,
[85] 2013-09-25
[86] 2012-03-29 (PCT/US2012/031243)
[87] (WO2012/135517)
[30] US (61/468,997) 2011-03-29

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,831,907**
[13] C

[51] **Int.Cl. C07K 16/38 (2006.01) A61K 39/395 (2006.01) A61P 7/04 (2006.01) C07K 16/36 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01)**

[25] EN

[54] **MONOCLONAL ANTIBODIES AGAINST TISSUE FACTOR PATHWAY INHIBITOR (TFPI)**

[54] **ANTICORPS MONOCLONAUX CONTRE INHIBITEUR DE LA VOIE DU FACTEUR TISSULAIRE (TFPI)**

[72] WANG, ZHUOZHI, US

[72] MURPHY, JOHN, US

[72] MARQUARDT, TOBIAS, DE

[72] MOOSMAYER, DIETER, DE

[73] BAYER HEALTHCARE LLC,

[85] 2013-09-27

[86] 2012-03-30 (PCT/US2012/031538)

[87] (WO2012/135671)

[30] US (61/471,101) 2011-04-01

[11] **2,831,926**
[13] C

[51] **Int.Cl. H04L 12/24 (2006.01) H04L 29/06 (2006.01)**

[25] EN

[54] **CONTROLLING A DATA STREAM**

[54] **COMMANDE DE FLUX DE DONNEES**

[72] CAPUOZZO, GIUSEPPE, IT

[72] ONORATO, ORLANDO, IT

[72] ENEI, DONATELLA, IT

[72] DZAH, ELI KOMLAN, IT

[73] ACCENTURE GLOBAL SERVICES LIMITED,

[86] (2831926)

[87] (2831926)

[22] 2013-11-01

[30] EP (12 425 179.4 - 1907) 2012-11-05

[11] **2,832,164**
[13] C

[51] **Int.Cl. C08L 75/08 (2006.01) C11D 3/37 (2006.01) C11D 7/32 (2006.01)**

[25] EN

[54] **MULTI-ARM HYDROPHILIC URETHANE POLYMERS, METHODS OF MAKING THEM, AND COMPOSITIONS AND PROCESSES EMPLOYING THEM**

[54] **POLYMERES D'URETHANE HYDROPHILES A PLUSIEURS BRAS, PROCEDES DE FABRICATION ASSOCIES, ET COMPOSITIONS ET PROCEDES LES UTILISANT**

[72] MASTERS, RONALD ANTHONY, US

[72] HILLSHAFER, DOUGLAS KIP, US

[72] GARIPEY, CHRISTOPHER A., US

[73] STEPAN COMPANY,

[85] 2013-10-02

[86] 2012-04-05 (PCT/US2012/032339)

[87] (WO2012/138870)

[30] US (61/472,503) 2011-04-06

[11] **2,832,180**
[13] C

[51] **Int.Cl. B62D 55/104 (2006.01) B60G 99/00 (2010.01) B62D 55/04 (2006.01)**

[25] EN

[54] **TRACK SUSPENSION**

[54] **SUSPENSION POUR CHENILLE**

[72] NAGORCKA, JAMES A., AU

[72] ALLEN, LYAL D., AU

[73] CONTITECH USA, INC.,

[86] (2832180)

[87] (2832180)

[22] 2013-11-01

[30] US (61/721,602) 2012-11-02

[11] **2,832,376**
[13] C

[51] **Int.Cl. A61K 38/16 (2006.01) A61P 35/04 (2006.01)**

[25] EN

[54] **DRUG CONTAINING RECOMBINANT MISTLETOE LECTINS FOR TREATING MALIGNANT MELANOMA**

[54] **MEDICAMENT CONTENANT DE LA MISTELLECTINE RECOMBINANTE POUR LE TRAITEMENT DU MELANOME MALIN**

[72] LENTZEN, HANS, DE

[72] WITTHOHN, KLAUS, DE

[73] MELEMA PHARMA GMBH,

[85] 2013-10-04

[86] 2012-04-10 (PCT/EP2012/056479)

[87] (WO2012/136857)

[30] EP (11161400.4) 2011-04-06

[11] **2,832,664**
[13] C

[51] **Int.Cl. A61K 47/38 (2006.01) A61K 38/095 (2019.01) A61P 15/12 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION**

[54] **COMPOSITION PHARMACEUTIQUE**

[72] UVNAS-MOBERG, KERSTIN, SE

[72] CARLSSON, ANDERS, SE

[73] PEP-TONIC MEDICAL AB,

[85] 2013-10-08

[86] 2012-04-13 (PCT/EP2012/056813)

[87] (WO2012/140216)

[30] SE (1150324-0) 2011-04-14

[30] US (61/475,471) 2011-04-14

[11] **2,832,786**
[13] C

[51] **Int.Cl. B01J 2/22 (2006.01)**

[25] EN

[54] **PELLET PRESS WITH A CUTTING-TO-LENGTH DEVICE FOR BIOGENIC FIBROUS PELLETS**

[54] **PRESSE DE GRANULATION A DISPOSITIF DE SECTIONNEMENT A LONGUEUR VOULUE POUR GRANULES FIBREUSES BIOGENES**

[72] BLIENINGER, FRANZ, DE

[73] BLIENINGER, FRANZ,

[86] (2832786)

[87] (2832786)

[22] 2013-11-05

[30] DE (10 2012 110 622.3) 2012-11-06

**Canadian Patents Issued
March 24, 2020**

[11] **2,833,115**
[13] C

[51] **Int.Cl. A61K 31/506 (2006.01) A61K 9/20 (2006.01) A61K 47/30 (2006.01) A61P 31/18 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITIONS OF RALTEGRAVIR, METHODS OF PREPARATION AND USE THEREOF**

[54] **COMPOSITIONS PHARMACEUTIQUES DE RALTEGRAVIR, PROCEDES DE PREPARATION ET UTILISATION DE CELLES-CI**

[72] PARTHASARADHI REDDY, BANDI, IN

[72] KHADGAPATHI, PODILI, IN

[72] KAMALAKAR REDDY, GOLI, IN

[73] HETERO RESEARCH FOUNDATION,

[85] 2013-10-11

[86] 2012-04-19 (PCT/IN2012/000283)

[87] (WO2012/147101)

[30] IN (1414/CHE/2011) 2011-04-25

[11] **2,833,204**
[13] C

[51] **Int.Cl. C10G 3/00 (2006.01)**

[25] EN

[54] **CATALYTIC PROCESS AND APPARATUS FOR PRODUCING HYDROCARBONS FROM BIOOILS**

[54] **PROCEDE CATALYTIQUE ET APPAREIL POUR LA PRODUCTION D'HYDROCARBURES A PARTIR DE BIO-HUILES**

[72] NOUSIAINEN, JAAKKO, FI

[72] RISSANEN, ARTO, FI

[72] GUTIERREZ, ANDREA, FI

[72] LINDBERG, TEEMU, FI

[72] LAUMOLA, HELI, FI

[72] KNUUTTI, PEKKA, FI

[73] UPM-KYMMENE CORPORATION,

[85] 2013-10-15

[86] 2012-04-18 (PCT/FI2012/050385)

[87] (WO2012/143613)

[30] US (61/476,521) 2011-04-18

[11] **2,833,466**
[13] C

[51] **Int.Cl. F21S 4/20 (2016.01) F21S 4/26 (2016.01) F21V 19/00 (2006.01) F21V 33/00 (2006.01)**

[25] EN

[54] **LIGHT EMITTING DEVICE**

[54] **DISPOSITIF LUMINESCENT**

[72] MARUTANI, YUKITOSHI, JP

[73] NICHIA CORPORATION,

[86] (2833466)

[87] (2833466)

[22] 2013-11-15

[30] JP (2012-252211) 2012-11-16

[11] **2,833,589**
[13] C

[51] **Int.Cl. C08G 69/48 (2006.01) A61K 49/18 (2006.01) A61L 15/32 (2006.01) C08J 3/24 (2006.01) C12N 11/02 (2006.01)**

[25] EN

[54] **CROSS-LINKED POLY-E-LYSINE NON-PARTICULATE SUPPORT**

[54] **SUPPORT NON PARTICULAIRE EN POLY-E-LYSINE RETICULEE**

[72] WELLINGS, DONALD, GB

[73] SPHERITECH LTD,

[85] 2013-10-18

[86] 2012-04-20 (PCT/EP2012/057271)

[87] (WO2013/041250)

[30] GB (1106742.8) 2011-04-20

[11] **2,834,918**
[13] C

[51] **Int.Cl. A61K 9/127 (2006.01) A61K 47/36 (2006.01)**

[25] EN

[54] **LIPOSOMES COMPRISING POLYMER-CONJUGATED LIPIDS AND RELATED USES**

[54] **LIPOSOMES COMPRENANT DES LIPIDES CONJUGUES A UN POLYMER ET UTILISATIONS S'Y RAPPORANT**

[72] YEDGAR, SAUL, IL

[73] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSAM LTD.,

[85] 2013-11-01

[86] 2012-05-10 (PCT/IL2012/050168)

[87] (WO2012/153338)

[30] US (61/485,192) 2011-05-12

[11] **2,835,174**
[13] C

[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/145 (2006.01) A61M 5/168 (2006.01)**

[25] EN

[54] **VENTED RESERVOIR FOR MEDICAL PUMP**

[54] **RESERVOIR DESAERE POUR POMPE MEDICALE**

[72] CHAPPEL, ERIC, FR

[72] ALLENDES, RICARDO, CH

[72] NEFTEL, FREDERIC, CH

[73] DEBIOTECH S.A.,

[85] 2013-11-05

[86] 2012-06-22 (PCT/IB2012/053177)

[87] (WO2012/176171)

[30] EP (11171155.2) 2011-06-23

[30] EP (11172494.4) 2011-07-04

[11] **2,835,359**
[13] C

[51] **Int.Cl. B05B 1/04 (2006.01) B05B 7/14 (2006.01) B24C 5/04 (2006.01)**

[25] FR

[54] **NOZZLE FOR SPRAYING DRY ICE, NOTABLY DRY ICE MADE FROM CARBON DIOXIDE**

[54] **BUSE DE PROJECTION DE GLACE SECHE, NOTAMMENT DE GLACE CARBONIQUE**

[72] LOISELET, BENOIT, FR

[72] LETURMY, MARC, FR

[72] GOMEZ, PHILIPPE, FR

[73] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCES GEORGES CLAUDE,

[85] 2013-11-07

[86] 2012-06-19 (PCT/FR2012/051375)

[87] (WO2013/001205)

[30] FR (1155802) 2011-06-29

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,835,587**
[13] C

[51] **Int.Cl. G06F 3/044 (2006.01) B64D 47/00 (2006.01)**
[25] EN
[54] **MULTITOUCH TACTILE DEVICE WITH MULTIFREQUENCY AND BARYCENTRIC CAPACITIVE DETECTION**
[54] **DISPOSITIF TACTILE MULTITOUCHÉ AVEC DÉTECTION MULTIFRÉQUENCE ET CAPACITIVE BARYCENTRIQUE**
[72] CONI, PHILIPPE, FR
[72] ROUZES, SIEGFRIED, FR
[73] THALES,
[86] (2835587)
[87] (2835587)
[22] 2013-12-02
[30] FR (1203298) 2012-12-05

[11] **2,836,719**
[13] C

[51] **Int.Cl. C02F 1/30 (2006.01) C02F 1/20 (2006.01) C02F 1/36 (2006.01) C02F 1/461 (2006.01) C02F 9/12 (2006.01) C05F 7/00 (2006.01)**
[25] EN
[54] **MICROWAVE AND HEATING APPARATUS FOR SEWAGE TREATMENT**
[54] **APPAREIL CHAUFFANT A MICRO-ONDES DESTINÉ AU TRAITEMENT D'ÉGOUT**
[72] DE ASMUNDIS, FULVIO ANTONIO, IT
[73] MASOERO, PAOLO,
[73] DE ASMUNDIS, FULVIO ANTONIO,
[86] (2836719)
[87] (2836719)
[22] 2013-12-11
[30] IT (MI2012A002123) 2012-12-13

[11] **2,837,314**
[13] C

[51] **Int.Cl. G01B 11/245 (2006.01) G08G 1/017 (2006.01)**
[25] EN
[54] **METHOD FOR MEASURING A HEIGHT PROFILE OF A VEHICLE PASSING ON A ROAD**
[54] **METHODE DE MESURE UN PROFIL DE HAUTEUR D'UN VEHICULE PASSANT SUR UNE ROUTE**
[72] KOTZ, CHRISTIAN, AT
[72] RAFELSBERGER, OLIVER, AT
[72] JANNER, CHRISTIAN, AT
[73] KAPSCH TRAFFICCOM AG,
[86] (2837314)
[87] (2837314)
[22] 2013-12-19
[30] EP (13152086.8) 2013-01-21

[11] **2,835,932**
[13] C

[51] **Int.Cl. C07F 9/40 (2006.01) C07F 9/44 (2006.01) C07H 19/20 (2006.01)**
[25] EN
[54] **PROCESSES AND INTERMEDIATES FOR PREPARING ANTI-HIV AGENTS**
[54] **PROCEDES ET INTERMEDIAIRES DE PREPARATION D'AGENTS ANTI-VIH**
[72] YU, RICHARD HUNG CHIU, US
[72] BROWN, BRANDON HEATH, US
[72] POLNIASZEK, RICHARD P., US
[72] GRAETZ, BENJAMIN R., US
[72] SUJINO, KEIKO, CA
[72] TRAN, DUONG DUC-PHI, CA
[72] TRIMAN, ALAN SCOTT, US
[72] KENT, KENNETH M., US
[72] PFEIFFER, STEVEN, US
[73] GILEAD SCIENCES, INC.,
[85] 2013-11-12
[86] 2012-05-18 (PCT/US2012/038615)
[87] (WO2012/159047)
[30] US (61/488,133) 2011-05-19

[11] **2,836,955**
[13] C

[51] **Int.Cl. G07B 15/00 (2011.01)**
[25] EN
[54] **METHOD FOR CHARGING FEES FOR LOCATION USAGES**
[54] **METHODE DE FACTURATION DE FRAIS RELATIFS AUX UTILISATIONS DE LA LOCALISATION**
[72] NAMDAR, NADER, AT
[73] KAPSCH TRAFFICCOM AG,
[86] (2836955)
[87] (2836955)
[22] 2013-12-18
[30] EP (13152084.3) 2013-01-21

[11] **2,837,466**
[13] C

[51] **Int.Cl. A62C 37/11 (2006.01)**
[25] EN
[54] **SPRINKLER SYSTEM AND INSTALLATION**
[54] **SYSTEME D'EXTINCTEURS AUTOMATIQUES A EAU ET INSTALLATION**
[72] SZENTIMREY, RUDOLPH, US
[72] STEMPO, JOHN M., US
[72] MCWHIRTER, ERIC, US
[73] VICTAULIC COMPANY,
[85] 2013-11-26
[86] 2012-06-26 (PCT/US2012/044147)
[87] (WO2013/022523)
[30] US (13/206,969) 2011-08-10

[11] **2,837,196**
[13] C

[51] **Int.Cl. A61L 27/36 (2006.01) A61L 27/56 (2006.01) A61L 27/58 (2006.01)**
[25] EN
[54] **ADIPOSE TISSUE MATRICES**
[54] **MATRICES DE TISSU ADIPEUX**
[72] CONNOR, JEROME, US
[73] LIFECELL CORPORATION,
[85] 2013-11-22
[86] 2012-05-30 (PCT/US2012/039969)
[87] (WO2012/166784)
[30] US (61/491,787) 2011-05-31

[11] **2,837,475**
[13] C

[51] **Int.Cl. E21B 43/16 (2006.01) E21B 43/22 (2006.01)**
[25] EN
[54] **IMPROVING RECOVERY FROM A HYDROCARBON RESERVOIR**
[54] **AMELIORATION DE LA RECUPERATION A PARTIR D'UN RESERVOIR D'HYDROCARBURES**
[72] CHAKRABARTY, TAPANTOSH, CA
[72] SCOTT, GEORGE R., CA
[73] IMPERIAL OIL RESOURCES LIMITED,
[86] (2837475)
[87] (2837475)
[22] 2013-12-19

**Canadian Patents Issued
March 24, 2020**

[11] **2,837,596**
[13] C

[51] **Int.Cl. C22C 38/40 (2006.01) C21D 6/00 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/08 (2006.01) C22C 38/18 (2006.01) C22C 38/44 (2006.01) C22C 38/50 (2006.01) C22C 38/54 (2006.01)**

[25] EN

[54] **AIR HARDENABLE SHOCK-RESISTANT STEEL ALLOYS, METHODS OF MAKING THE ALLOYS, AND ARTICLES INCLUDING THE ALLOYS**

[54] **ALLIAGES D'ACIER DURCISSABLES A L'AIR ET RESISTANTS AUX CHOCS, PROCEDES DE FABRICATION DES ALLIAGES, ET ARTICLES COMPRENANT LES ALLIAGES**

[72] STEFANSSON, NJALL, US

[72] HASEK, BRADLEY, US

[72] BAILEY, RONALD E., US

[72] PARAYIL, THOMAS, US

[72] NICHOLS, ANDREW, US

[73] ATI PROPERTIES LLC,

[85] 2013-11-27

[86] 2012-05-30 (PCT/US2012/039917)

[87] (WO2013/048587)

[30] US (13/161,146) 2011-06-15

[11] **2,838,475**
[13] C

[51] **Int.Cl. C10B 1/02 (2006.01) C10B 3/00 (2006.01) C10B 49/02 (2006.01)**

[25] EN

[54] **PROCESS AND APPARATUS FOR CONTINUOUS PRODUCTION OF DENSIFIED CHARCOAL**

[54] **PROCEDE ET APPAREIL POUR LA PRODUCTION CONTINUE DE CHARBON DENSIFIE**

[72] DEEV, ALEXANDRE VLADIMIROVICH, AU

[73] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION,

[85] 2013-12-05

[86] 2012-06-21 (PCT/AU2012/000712)

[87] (WO2012/174594)

[30] AU (2011902460) 2011-06-23

[11] **2,838,529**
[13] C

[51] **Int.Cl. A61M 11/00 (2006.01) A61K 9/12 (2006.01) A61K 9/72 (2006.01) A61M 15/00 (2006.01) A61P 11/00 (2006.01)**

[25] EN

[54] **METHODS OF TREATMENT**

[54] **PROCEDES DE TRAITEMENT**

[72] BOUCHER, RICHARD, US

[72] JOHNSON, MICHAEL ROSS, US

[72] THELIN, WILLIAM R., US

[72] BUTTON, BRIAN, US

[72] NAVRATIL, TOMAS, US

[73] PARION SCIENCES, INC.,

[85] 2013-12-05

[86] 2012-06-07 (PCT/US2012/041333)

[87] (WO2012/170677)

[30] US (61/494,198) 2011-06-07

[30] US (61/496,317) 2011-06-13

[30] US (61/639,619) 2012-04-27

[11] **2,838,668**
[13] C

[51] **Int.Cl. A01K 1/015 (2006.01) A01K 1/01 (2006.01) C01B 33/26 (2006.01)**

[25] EN

[54] **CAT LITTER PRODUCT**

[54] **LITIERE POUR CHAT**

[72] KURAS, MONIKA, US

[72] GOSS, BOB, US

[72] JAFFEE, DAN, US

[72] SORAL, BOB, US

[72] GRACE, ELLIOTT, US

[72] HUNT, ROLFE, US

[72] YANCEY, DANNY, US

[72] JONES, KEVIN, US

[72] DONATELLO, MATTHEW, US

[73] OIL-DRI CORPORATION OF AMERICA,

[85] 2013-12-05

[86] 2012-06-15 (PCT/US2012/042631)

[87] (WO2012/174356)

[30] US (61/497,178) 2011-06-15

[30] US (13/524,021) 2012-06-15

[11] **2,838,743**
[13] C

[51] **Int.Cl. F25D 21/06 (2006.01) B25B 5/02 (2006.01) F25B 1/10 (2006.01) F25B 6/02 (2006.01) F25B 25/00 (2006.01) F25B 39/02 (2006.01) F25B 39/04 (2006.01) F25B 41/04 (2006.01) F25B 43/00 (2006.01) F25B 47/02 (2006.01)**

[25] EN

[54] **CONDENSER EVAPORATOR SYSTEM (CES) FOR A REFRIGERATION SYSTEM AND METHOD**

[54] **SYSTEME DE CONDENSEUR ET D'EVAPORATEUR (CES) POUR UN SYSTEME DE REFRIGERATION ET PROCEDE ASSOCIE**

[72] LINGELBACH, FRED, US

[72] LINGELBACH, JOHN, US

[73] ARESKO TECHNOLOGIES, LLC,

[85] 2013-12-06

[86] 2012-06-13 (PCT/US2012/042223)

[87] (WO2012/174093)

[30] US (61/496,156) 2011-06-13

[11] **2,839,000**
[13] C

[51] **Int.Cl. A44B 19/24 (2006.01) A47C 21/06 (2006.01) A47C 29/00 (2006.01) A47C 31/00 (2006.01) A47G 9/02 (2006.01)**

[25] EN

[54] **PROTECTIVE BARRIER FOR A ZIPPER ASSEMBLY**

[54] **BARRIERE PROTECTRICE POUR UN ENSEMBLE FERMETURE A GLISSIERE**

[72] GOLDBERG, GARY, US

[73] CLEANBRANDS, LLC,

[85] 2013-12-10

[86] 2012-06-12 (PCT/US2012/042022)

[87] (WO2012/173970)

[30] US (61/496,473) 2011-06-13

[30] US (61/536,408) 2011-09-19

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,839,471**
[13] C

[51] **Int.Cl. B60G 17/00 (2006.01) B62D 21/00 (2006.01)**
[25] EN
[54] **ADJUSTER, FRAME AND VEHICLE**
[54] **DISPOSITIF DE REGLAGE, CADRE ET VEHICULE**
[72] INOUE, RYUTA, JP
[72] ITOU, KEN, JP
[72] SATO, YUYA, JP
[73] YAMAHA MOTOR POWER PRODUCTS KABUSHIKI KAISHA,
[86] (2839471)
[87] (2839471)
[22] 2014-01-16
[30] US (13/746,750) 2013-01-22

[11] **2,839,760**
[13] C

[51] **Int.Cl. A61K 8/60 (2006.01) A61K 31/7016 (2006.01) A61L 15/16 (2006.01) A61L 15/22 (2006.01) A61L 15/44 (2006.01) A61P 17/02 (2006.01) A61Q 19/00 (2006.01)**
[25] FR
[54] **USE OF OLIGOSACCHARIDE COMPOUNDS FOR THE PREVENTION AND TREATMENT OF PATHOLOGICAL SCARS**
[54] **UTILISATION DE COMPOSES OLIGOSACCHARIDIQUES POUR LA PREVENTION ET LE TRAITEMENT DES CICATRICES PATHOLOGIQUES**
[72] BOUSCHBACHER, MARIELLE, FR
[72] LAURENSOU, CHRISTELLE, FR
[73] LABORATOIRES URGO,
[73] SOCIETE DE DEVELOPPEMENT ET DE RECHERCHE INDUSTRIELLE,
[85] 2013-12-17
[86] 2012-07-12 (PCT/FR2012/051668)
[87] (WO2013/007960)
[30] FR (11 56436) 2011-07-13

[11] **2,840,494**
[13] C

[51] **Int.Cl. A23J 1/12 (2006.01) A23L 7/00 (2016.01) A23L 33/17 (2016.01) A23J 3/18 (2006.01) C07K 14/415 (2006.01)**
[25] EN
[54] **WHEAT PROTEIN ISOLATES AND PROCESSES FOR PRODUCING**
[54] **ISOLATS DE PROTEINES DE BLE ET PROCEDES DE PRODUCTION ASSOCIES**
[72] GERMAIN, NORMAND, CA
[72] GIROUX, MICHEL, CA
[73] ARCHER DANIELS MIDLAND COMPANY,
[85] 2013-12-24
[86] 2012-06-26 (PCT/US2012/044109)
[87] (WO2013/003296)
[30] US (61/501,306) 2011-06-27

[11] **2,840,571**
[13] C

[51] **Int.Cl. A61K 31/4164 (2006.01) A61K 9/107 (2006.01) A61K 47/30 (2006.01) A61P 15/02 (2006.01) A61P 31/04 (2006.01) C08J 3/075 (2006.01)**
[25] EN
[54] **HIGH DOSAGE MUCOADHESIVE METRONIDAZOLE AQUEOUS-BASED GEL FORMULATIONS AND THEIR USE TO TREAT BACTERIAL VAGINOSIS**
[54] **FORMULATIONS DE GEL A BASE DE METRONIDAZOLE AQUEUX MUCOADHESIF A DOSAGE ELEVE ET LEUR UTILISATION POUR TRAITER UNE VAGINOSE BACTERIENNE**
[72] NORDSIEK, MICHAEL T., US
[72] BALAJI, KODUMUDI S., US
[73] CHEMO RESEARCH SL,
[85] 2013-12-23
[86] 2012-06-28 (PCT/US2012/044738)
[87] (WO2013/003646)
[30] US (61/502,285) 2011-06-28
[30] US (61/508,058) 2011-07-14

[11] **2,840,617**
[13] C

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 38/16 (2006.01) A61K 38/22 (2006.01) A61K 38/28 (2006.01) A61P 3/08 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **THERAPEUTIC AGENT PREPARATIONS FOR DELIVERY INTO A LUMEN OF THE INTESTINAL TRACT USING A SWALLOWABLE DRUG DELIVERY DEVICE**
[54] **PREPARATIONS D'AGENT THERAPEUTIQUE A ADMINISTRER DANS UNE LUMIERE DU TRACTUS INTESTINAL AU MOYEN D'UN DISPOSITIF D'ADMINISTRATION DE MEDICAMENT AVAILABLE**
[72] IMRAN, MIR, US
[73] RANI THERAPEUTICS, LLC,
[85] 2013-12-27
[86] 2012-06-29 (PCT/US2012/045138)
[87] (WO2013/003824)
[30] US (61/571,679) 2011-06-29
[30] US (61/571,633) 2011-06-29
[30] US (61/571,687) 2011-06-29
[30] US (61/571,641) 2011-06-29
[30] US (61/571,634) 2011-06-29
[30] US (61/571,686) 2011-06-29
[30] US (61/571,643) 2011-06-29
[30] US (61/571,632) 2011-06-29
[30] US (61/571,652) 2011-06-30
[30] US (61/571,648) 2011-06-30
[30] US (61/571,649) 2011-06-30
[30] US (61/571,631) 2011-06-30
[30] US (61/571,619) 2011-06-30
[30] US (61/571,650) 2011-06-30
[30] US (61/571,642) 2011-06-30

[11] **2,840,640**
[13] C

[51] **Int.Cl. A61B 5/1473 (2006.01) A61B 5/145 (2006.01)**
[25] EN
[54] **ANALYTE MONITORING DEVICE AND METHODS**
[54] **DISPOSITIF ET PROCEDES DE CONTROLE DE SUBSTANCE A ANALYSER**
[72] COLE, JEAN-PIERRE, US
[72] FENNELL, MARTIN J., US
[73] ABBOTT DIABETES CARE INC.,
[85] 2013-12-27
[86] 2012-11-07 (PCT/US2012/063980)
[87] (WO2013/070794)
[30] US (61/556,824) 2011-11-07

**Canadian Patents Issued
March 24, 2020**

[11] **2,840,929**
[13] C

[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6813 (2018.01) C12Q 1/6844 (2018.01)**

[25] EN

[54] **SEQUENCE BASED GENOTYPING BASED ON OLIGONUCLEOTIDE LIGATION ASSAYS**

[54] **GENOTYPAGE A BASE DE SEQUENCE EN FONCTION D'ANALYSES DE LIGATURE D'OLIGONUCLEOTIDES**

[72] VAN EIJK, MICHAEL JOSEPHUS THERESIA, NL

[72] HOGERS, RENE CORNELIS JOSEPHUS, NL

[73] KEYGENE N.V.,

[85] 2014-01-03

[86] 2012-07-09 (PCT/NL2012/050493)

[87] (WO2013/009175)

[30] US (61/505,787) 2011-07-08

[11] **2,841,804**
[13] C

[51] **Int.Cl. A61H 19/00 (2006.01) A61H 23/02 (2006.01)**

[25] EN

[54] **SEXUAL STIMULATION DEVICE**

[54] **DISPOSITIF DE STIMULATION SEXUELLE**

[72] BAETICA, FLORIN, CA

[72] BECHTHOLD, GRANT MARK, CA

[72] MURISON, BRUCE DONALD, CA

[73] WOW TECH CANADA LTD.,

[85] 2013-12-24

[86] 2012-06-29 (PCT/CA2012/050442)

[87] (WO2013/003954)

[30] US (61/503,679) 2011-07-01

[11] **2,842,134**
[13] C

[51] **Int.Cl. G01N 27/49 (2006.01) G01N 33/18 (2006.01)**

[25] EN

[54] **DEVICE FOR MEASURING THE FREE CHLORIDE CONTENT OF A WATER**

[54] **DISPOSITIF POUR LA MESURE DE LA TENEUR EN CHLORE LIBRE D'UNE EAU**

[72] BERIET, CARINE, CH

[72] DE COULON, YVES, CH

[72] LEMOINE, CYRILLE, FR

[73] VEOLIA EAU - COMPAGNIE GENERALE DES EAUX,

[85] 2014-01-16

[86] 2012-07-25 (PCT/EP2012/064601)

[87] (WO2013/014187)

[30] FR (1156775) 2011-07-25

[11] **2,842,370**
[13] C

[51] **Int.Cl. C07D 489/04 (2006.01)**

[25] EN

[54] **STEPWISE PROCESS FOR THE PRODUCTION OF ALKALOID SALTS**

[54] **PROCEDE PAR ETAPES POUR OBTENTION DE SELS D'ALCALOIDES**

[72] JONES, BRADLEY R., US

[72] HAAR, JOSEPH P., JR., US

[72] ROESCH, KEVIN R., US

[72] VANDERKOLK, LESLIE L., US

[73] SPECGX LLC,

[85] 2014-01-17

[86] 2012-08-01 (PCT/US2012/049092)

[87] (WO2013/019825)

[30] US (61/514,088) 2011-08-02

[11] **2,842,550**
[13] C

[51] **Int.Cl. A61K 9/00 (2006.01) A61F 6/06 (2006.01) A61K 47/34 (2017.01) A61M 31/00 (2006.01)**

[25] EN

[54] **INTRAVAGINAL DEVICES FOR DRUG DELIVERY**

[54] **DISPOSITIFS INTRAVAGINAUX POUR ADMINISTRATION DE MEDICAMENTS**

[72] KISER, PATRICK F., US

[72] SHELKE, NAMDEV, US

[72] RASTOGI, RACHNA, US

[72] JOHNSON, TODD JOSEPH, US

[72] CLARK, JUSTIN THOMAS, US

[73] KISER, PATRICK F.,

[85] 2014-01-20

[86] 2012-07-20 (PCT/US2012/047649)

[87] (WO2013/013172)

[30] US (61/509,694) 2011-07-20

[30] US (61/655,288) 2012-06-04

[11] **2,842,739**
[13] C

[51] **Int.Cl. A61F 9/02 (2006.01)**

[25] EN

[54] **SPORTS GOGGLE**

[54] **LUNETTES DE SPORT**

[72] TOBIA, MICHAEL STEPHEN, US

[73] MARCHON EYEWEAR, INC.,

[85] 2014-01-22

[86] 2012-06-22 (PCT/US2012/043802)

[87] (WO2012/178049)

[30] US (61/501,154) 2011-06-24

[30] US (13/530,884) 2012-06-22

[11] **2,843,082**
[13] C

[51] **Int.Cl. C11B 1/10 (2006.01) C11B 7/00 (2006.01)**

[25] FR

[54] **SOLID/LIQUID EXTRACTION USING A SOLVENT COMPRISING 5 TO 8 CARBON ATOMS AND 1 OR 2 OXYGEN ATOMS**

[54] **EXTRACTION SOLIDE/LIQUIDE AVEC UN SOLVANT COMPRENANT ENTRE 5 ET 8 ATOMES DE CARBONE ET 1 OU 2 ATOMES D'OXYGENE**

[72] MERCIER, EGLANTINE, FR

[72] LEGRAND, JACQUES, FR

[72] SAUNOIS, ALEX, FR

[73] LABORATOIRES EXPANSCIENCE,

[85] 2014-01-23

[86] 2012-07-30 (PCT/EP2012/064901)

[87] (WO2013/014298)

[30] FR (11/56935) 2011-07-28

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,843,587**
[13] C

[51] **Int.Cl. A61M 37/00 (2006.01) A61M 25/01 (2006.01) A61M 25/06 (2006.01) A61M 31/00 (2006.01)**

[25] EN
[54] **MICROFLUIDIC DRUG DELIVERY DEVICES**
[54] **DISPOSITIFS MICROFLUIDIQUES D'ADMINISTRATION DE MEDICAMENT**

[72] ANAND, PJ, US
[72] SINGH, DEEP ARJUN, US
[73] ALCYONE LIFESCIENCES, INC.,
[85] 2014-01-29
[86] 2012-08-01 (PCT/US2012/049100)
[87] (WO2013/019830)
[30] US (61/513,948) 2011-08-01
[30] US (61/513,939) 2011-08-01
[30] US (61/513,935) 2011-08-01
[30] US (61/513,961) 2011-08-01
[30] US (61/513,952) 2011-08-01
[30] US (61/513,943) 2011-08-01
[30] US (61/513,954) 2011-08-01
[30] US (61/615,939) 2012-03-27

[11] **2,843,644**
[13] C

[51] **Int.Cl. B60S 1/40 (2006.01) B60S 1/38 (2006.01)**

[25] EN
[54] **WIPER BLADE CONNECTOR**
[54] **CONNECTEUR DE BALAI D'ESSUIE-GLACE**

[72] TOLENTINO, VAMBI RAYMUNDO, US
[72] PEERS, ROBERT PETER, US
[73] PYLON MANUFACTURING CORP.,
[85] 2014-01-29
[86] 2012-07-30 (PCT/US2012/048843)
[87] (WO2013/019723)
[30] US (13/194,070) 2011-07-29

[11] **2,843,776**
[13] C

[51] **Int.Cl. A61F 5/058 (2006.01)**

[25] EN
[54] **TEMPORARY SPLINT**
[54] **ATTELLE TEMPORAIRE**

[72] SCHUTZ, PATRICK, DE
[72] JORISSEN, KOEN, DE
[73] BSN MEDICAL GMBH,
[85] 2014-01-31
[86] 2012-03-30 (PCT/EP2012/055838)
[87] (WO2013/017298)
[30] DE (10 2011 109 431.1) 2011-08-04

[11] **2,844,259**
[13] C

[51] **Int.Cl. A47K 10/18 (2006.01) A47G 21/16 (2006.01) A47K 10/42 (2006.01) F16M 13/00 (2006.01)**

[25] EN
[54] **STAND FOR AN ABSORBENT SHEET PRODUCT DISPENSER AND ABSORBENT SHEET PRODUCT DISPENSER INCLUDING SAME**
[54] **SOCLE POUR DISTRIBUTEUR DE PRODUITS DE FEUILLE ABSORBANTE ET DISTRIBUTEUR DE PRODUITS DE FEUILLE ABSORBANTE COMPRENANT CELUI-CI**

[72] MORAND, MICHEL, CA
[73] CASCADES CANADA ULC,
[85] 2014-02-05
[86] 2012-08-17 (PCT/CA2012/050565)
[87] (WO2013/023304)
[30] US (61/525,015) 2011-08-18

[11] **2,844,445**
[13] C

[51] **Int.Cl. G05F 1/56 (2006.01) H02M 3/155 (2006.01)**

[25] EN
[54] **POWER SUPPLY CIRCUIT, POWER SUPPLY SYSTEM, AND ELECTRIC STORAGE DEVICE**
[54] **CIRCUIT D'ALIMENTATION ELECTRIQUE, SYSTEME D'ALIMENTATION ELECTRIQUE ET DISPOSITIF DE STOCKAGE ELECTRIQUE**

[72] BELLALA, RAGHUNATH, JP
[72] IMAMURA, NORITOSHI, JP
[73] MURATA MANUFACTURING CO., LTD.,
[86] (2844445)
[87] (2844445)
[22] 2014-03-04
[30] JP (2013-082659) 2013-04-11

[11] **2,844,653**
[13] C

[51] **Int.Cl. A63F 13/30 (2014.01) A63F 13/70 (2014.01)**

[25] EN
[54] **LOCALIZED REMOTE GAMING**
[54] **JEU A DISTANCE LOCALISE**

[72] WALKINGSTICK, PAUL B., US
[73] IGT,
[86] (2844653)
[87] (2844653)
[22] 2014-03-04
[30] US (13/797,588) 2013-03-12
[30] US (13/910,901) 2013-06-05

[11] **2,845,047**
[13] C

[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6809 (2018.01)**

[25] EN
[54] **PROGNOSTIC METHODOLOGY**
[54] **METHODOLOGIE PRONOSTIQUE**

[72] BAIRD, DUNCAN, GB
[72] PEPPER, CHRIS, GB
[72] FEGAN, CHRISTOPHER, GB
[73] UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED,
[85] 2014-02-12
[86] 2012-08-09 (PCT/GB2012/051936)
[87] (WO2013/024264)
[30] GB (1113968.0) 2011-08-15

[11] **2,845,298**
[13] C

[51] **Int.Cl. C08K 5/00 (2006.01) C08J 3/22 (2006.01)**

[25] EN
[54] **ADDITIVE CONCENTRATE AND USE THEREOF**
[54] **CONCENTRE D'ADDITIF ET SON UTILISATION**

[72] HURENKAMP, JOHANNES HENRICUS, NL
[72] ROELOFS, CASPAR JULES ALBERT ANTON, NL
[72] MARISSSEN, JEROEN, NL
[73] HOLLAND COLOURS N.V.,
[85] 2014-02-13
[86] 2012-08-14 (PCT/NL2012/050564)
[87] (WO2013/025098)
[30] EP (11177565.6) 2011-08-15

**Canadian Patents Issued
March 24, 2020**

[11] **2,845,516**
[13] C

[51] **Int.Cl. A61K 35/34 (2015.01) C12N 5/077 (2010.01) A61L 27/36 (2006.01) A61P 13/02 (2006.01) A61P 21/06 (2006.01) C12N 11/00 (2006.01) C12N 11/02 (2006.01)**

[25] EN

[54] **MUSCLE TISSUE REGENERATION USING MUSCLE FIBER FRAGMENTS**

[54] **REGENERATION DE TISSU MUSCULAIRE A L'AIDE DE FRAGMENTS DE FIBRE MUSCULAIRE**

[72] ATALA, ANTHONY, US

[72] YOO, JAMES, US

[72] KO, IN KAP, US

[73] WAKE FOREST UNIVERSITY HEALTH SCIENCES,

[85] 2014-02-14

[86] 2012-08-15 (PCT/US2012/050879)

[87] (WO2013/025766)

[30] US (61/524,626) 2011-08-17

[11] **2,845,579**
[13] C

[51] **Int.Cl. C12N 15/63 (2006.01) C12N 1/19 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **MULTI-COPY STRATEGY FOR HIGH-TITER AND HIGH-PURITY PRODUCTION OF MULTI-SUBUNIT PROTEINS SUCH AS ANTIBODIES IN TRANSFORMED MICROBES SUCH AS PICHIA PASTORIS**

[54] **STRATEGIE A COPIES MULTIPLES POUR UNE PRODUCTION A TITRE ELEVE ET A PURETE ELEVEE DE PROTEINES A MULTIPLES SOUS-UNITES, TELLES QUE DES ANTICORPSA DANS DES MICROBES TRANSFORMES TELS QUE PICHIA PASTORIS**

[72] MITCHELL, DANIELLE MARIE, US

[72] GARCIA-MARTINEZ, LEON F., US

[72] MCNEILL, PATRICIA DIANNE, US

[72] OJALA, ETHAN WAYNE, US

[72] INAN, MEHMET, TR

[72] LATHAM, JOHN, US

[73] ALDERBIO HOLDINGS LLC,

[85] 2014-02-14

[86] 2012-08-20 (PCT/US2012/051619)

[87] (WO2013/028635)

[30] US (61/525,307) 2011-08-19

[30] US (13/466,795) 2012-05-08

[11] **2,845,751**
[13] C

[51] **Int.Cl. C10L 3/00 (2006.01) B01D 53/00 (2006.01) C09K 8/52 (2006.01) C10L 3/10 (2006.01)**

[25] EN

[54] **REGENERATION OF KINETIC HYDRATE INHIBITOR**

[54] **REGENERATION D'INHIBITEUR CINETIQUE D'HYDRATE**

[72] KAASA, BAARD, NO

[72] HEMMINGSEN, PAL VIGGO, NO

[73] EQUINOR ENERGY AS,

[85] 2014-02-19

[86] 2011-09-22 (PCT/EP2011/066519)

[87] (WO2013/041143)

[11] **2,846,109**
[13] C

[51] **Int.Cl. A45D 19/00 (2006.01)**

[25] EN

[54] **A METHOD FOR DYEING/BLEACHING HAIR AND RELATIVE APPLICATOR TOOL. PROCEDE DE COLORATION/DECOLORATION DES CHEVEUX ET APPLICATEUR ASSOCIE.**

[72] SEMINARA, ANGELO, GB

[73] SEMINARA, ANGELO,

[85] 2014-02-21

[86] 2012-08-29 (PCT/IT2012/000261)

[87] (WO2013/030856)

[30] IT (RN2011A000062) 2011-09-01

[11] **2,846,208**
[13] C

[51] **Int.Cl. H02J 3/22 (2006.01) H02M 5/32 (2006.01)**

[25] EN

[54] **DEVICE FOR STABLE SUBSEA ELECTRIC POWER TRANSMISSION TO RUN SUBSEA HIGH SPEED MOTORS OR OTHER SUBSEA LOADS**

[54] **DISPOSITIF PERMETTANT UNE TRANSMISSION DE COURANT ELECTRIQUE SOUS-MARINE ET STABLE POUR FAIRE FONCTIONNER DES MOTEURS SOUS-MARINS A VITESSE ELEVEE OU D'AUTRES CHARGES SOUS-MARINES**

[72] STINESSEN, KJELL OLAV, NO

[73] AKER SOLUTIONS AS,

[85] 2014-02-19

[86] 2012-09-11 (PCT/NO2012/050174)

[87] (WO2013/039404)

[30] NO (20111233) 2011-09-12

[11] **2,846,368**
[13] C

[51] **Int.Cl. G03G 15/08 (2006.01)**

[25] EN

[54] **A MOUNTABLE CARTRIDGE FOR AN ELECTROPHOTOGRAPHIC IMAGE-FORMING APPARATUS**

[54] **UNE CARTOUCHE INSTALLABLE DESTINEE A UN APPAREIL DE FORMATION D'IMAGE ELECTROPHOTOGRAPHIQUE**

[72] ITABASHI, NAO, JP

[72] KAMIMURA, NAOYA, JP

[72] MUSHIKA, MOTOAKI, JP

[72] FUKAMACHI, YASUO, JP

[72] UKAI, MASAMITSU, JP

[73] BROTHER KOGYO KABUSHIKI KAISHA,

[85] 2014-02-24

[86] 2012-08-30 (PCT/JP2012/071955)

[87] (WO2013/031875)

[30] JP (2011-190042) 2011-08-31

[11] **2,846,390**
[13] C

[51] **Int.Cl. A62B 35/00 (2006.01) F16B 45/04 (2006.01)**

[25] EN

[54] **CONNECTOR RACCORD**

[72] CASEBOLT, SCOTT C., US

[73] D B INDUSTRIES, LLC,

[85] 2014-02-24

[86] 2012-10-26 (PCT/US2012/062107)

[87] (WO2013/063384)

[30] US (61/552,551) 2011-10-28

[30] US (13/660,532) 2012-10-25

[11] **2,847,043**
[13] C

[51] **Int.Cl. B60R 9/045 (2006.01) B60R 9/052 (2006.01) B60R 9/058 (2006.01)**

[25] EN

[54] **A LOAD CARRIER FOOT AND A LOAD CARRYING ROOF RACK FOR A VEHICLE COMPRISING A LOAD CARRIER FOOT**

[54] **PIED DE SUPPORT DE CHARGE ET GALERIE DE TOIT DE SUPPORT DE CHARGE POUR UN VEHICULE, COMPRENANT UN PIED DE SUPPORT DE CHARGE**

[72] LUNDGREN, ANDERS, SE

[73] THULE SWEDEN AB,

[85] 2014-02-27

[86] 2012-08-01 (PCT/EP2012/065015)

[87] (WO2013/037558)

[30] EP (11181665.8) 2011-09-16

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,847,117**
[13] C

[51] **Int.Cl. C08J 5/18 (2006.01) C08L 67/02 (2006.01)**

[25] EN

[54] **BIAXIALLY STRETCHED POLYESTER FILM AND METHOD FOR PRODUCING SAME**

[54] **FILM DE POLYESTER ETIRE BIAxiaLEMENT ET SON PROCEDE DE FABRICATION**

[72] OKUZU, TAKAYOSHI, JP
[72] SUZUKI, TOMOHARU, JP
[73] UNITIKA LTD.,
[85] 2014-02-27
[86] 2012-09-03 (PCT/JP2012/072299)
[87] (WO2013/035653)
[30] JP (2011-193431) 2011-09-06

[11] **2,847,360**
[13] C

[51] **Int.Cl. H04L 12/28 (2006.01)**

[25] EN

[54] **RESOURCE MANAGER, SYSTEM, AND METHOD FOR COMMUNICATING RESOURCE MANAGEMENT INFORMATION FOR SMART ENERGY AND MEDIA RESOURCES**

[54] **GESTIONNAIRE DE RESSOURCES, SYSTEME ET PROCEDE POUR TRANSMETTRE DES INFORMATIONS DE GESTION DE RESSOURCES RELATIVES A DES RESSOURCES D'ENERGIE ET MULTIMEDIA INTELLIGENTES**

[72] IMES, KEVIN, US
[72] HOLLISTER, JAMES, US
[72] COTTELL, JOHN, US
[72] ADDISON, JAROD, US
[72] YAO, XIYIN, US
[72] WHITE, COLBY, US
[73] SAMSUNG ELECTRONICS CO., LTD.,
[85] 2014-02-28
[86] 2012-08-30 (PCT/US2012/053243)
[87] (WO2013/033469)
[30] US (61/529,018) 2011-08-30
[30] US (61/606,728) 2012-03-05

[11] **2,847,754**
[13] C

[51] **Int.Cl. F41A 23/34 (2006.01) F41A 23/06 (2006.01) F41A 23/50 (2006.01) F41H 7/00 (2006.01)**

[25] FR

[54] **SUPPORT DEVICE FOR TURRET**

[54] **DISPOSITIF DE SUPPORT DE TOURELLEAU**

[72] GERMENOT, OLIVIER, FR
[72] LEVEQUE, STEPHANE, FR
[73] NEXTER SYSTEMS,
[86] (2847754)
[87] (2847754)
[22] 2014-03-27
[30] FR (13 00 855) 2013-04-11

[11] **2,848,045**
[13] C

[51] **Int.Cl. C08K 3/22 (2006.01) C08L 23/04 (2006.01) F16L 9/00 (2006.01) F16L 9/12 (2006.01)**

[25] EN

[54] **POLYETHYLENE ADDITIVE COMPOSITIONS AND ARTICLES MADE FROM SAME**

[54] **COMPOSITIONS D'ADDITIF POUR POLYETHYLENE ET ARTICLES OBTENUS A PARTIR DE CELLES-CI**

[72] LANIER, ELIZABETH M., US
[72] HAUGER, BRYAN, US
[73] CHEVRON PHILLIPS CHEMICAL COMPANY LP,
[85] 2014-03-06
[86] 2012-09-06 (PCT/US2012/053880)
[87] (WO2013/036581)
[30] US (61/532,879) 2011-09-09

[11] **2,848,230**
[13] C

[51] **Int.Cl. C12N 9/24 (2006.01) A61K 38/47 (2006.01) C07K 14/315 (2006.01) G01N 33/573 (2006.01) G01N 33/68 (2006.01)**

[25] EN

[54] **ENDOGLYCOSIDASE FROM STREPTOCOCCUS PYOGENES AND METHODS USING IT**

[54] **ENDOGLYCOSIDASE ISSUE DE STREPTOCOCCUS PYOGENES ET SES PROCEDES D'UTILISATION**

[72] COLLIN, MATTIAS, SE
[72] ALLHORN, MARIA, SE
[72] SJOGREN, JONATHAN, SE
[73] GENOVIS AB,
[85] 2014-03-10
[86] 2012-09-12 (PCT/EP2012/067841)
[87] (WO2013/037824)
[30] GB (1115841.7) 2011-09-13

[11] **2,848,567**
[13] C

[51] **Int.Cl. A61K 31/575 (2006.01) A61P 17/02 (2006.01) A61P 31/00 (2006.01)**

[25] EN

[54] **PRODUCTS FOR HEALING OF TISSUE WOUNDS**

[54] **PROCEDES ET PRODUITS POUR AUGMENTER LA VITESSE DE GUERISON DE PLAIES TISSULAIRES**

[72] GENBERG, CARL, US
[72] SAVAGE, PAUL B., US
[73] BRIGHAM YOUNG UNIVERSITY,
[85] 2014-03-12
[86] 2012-09-13 (PCT/US2012/055248)
[87] (WO2013/040269)
[30] US (61/534,194) 2011-09-13

**Canadian Patents Issued
March 24, 2020**

[11] **2,848,584**
[13] C

[51] **Int.Cl. C07K 7/64 (2006.01) A61K 38/04 (2006.01)**
[25] EN
[54] **TEMPLATE-FIXED PEPTIDOMIMETICS AS INHIBITORS OF FPRI**
[54] **PEPTIDOMIMETIQUES FIXES SUR UNE MATRICE COMME INHIBITEURS DE FPRI**
[72] JUNG, FRANCOISE, FR
[72] OBRECHT, DANIEL, CH
[72] LOWE, RALF, CH
[72] ZIMMERMANN, JOHANN, DE
[72] LEMERCIER, GUILLAUME, FR
[72] CHEVALIER, ERIC, FR
[73] POLYPHOR AG,
[85] 2014-03-13
[86] 2012-10-02 (PCT/EP2012/069412)
[87] (WO2013/050346)
[30] EP (11008121.3) 2011-10-07

[11] **2,848,638**
[13] C

[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TARGETING CUSTOMERS WHO INVITE OTHER CUSTOMERS TO A BUSINESS**
[54] **SYSTEMES ET PROCEDES POUR CIBLER DES CLIENTS QUI INVITENT D'AUTRES CLIENTS A SE RENDRE DANS UN ETABLISSEMENT COMMERCIAL**
[72] BORGGAARD, GEOFFREY ALLEN, US
[73] GOOGLE LLC,
[85] 2014-03-13
[86] 2012-09-11 (PCT/US2012/054675)
[87] (WO2013/039919)
[30] US (13/231,899) 2011-09-13

[11] **2,849,126**
[13] C

[51] **Int.Cl. G01V 1/50 (2006.01) E21B 47/13 (2012.01) E21B 47/14 (2006.01)**
[25] EN
[54] **METHODS FOR EVALUATING ROCK PROPERTIES WHILE DRILLING USING DRILLING RIG-MOUNTED ACOUSTIC SENSORS**
[54] **PROCEDES POUR EVALUER LES PROPRIETES D'UNE ROCHE PENDANT LE FORAGE AU MOYEN DE CAPTEURS ACOUSTIQUES MONTES SUR UN APPAREIL DE FORAGE**
[72] LUO, YI, SA
[72] YANG, YUNLAI, SA
[73] SAUDI ARABIAN OIL COMPANY,
[85] 2014-03-18
[86] 2012-09-25 (PCT/US2012/057084)
[87] (WO2013/049044)
[30] US (61/539,201) 2011-09-26
[30] US (61/539,213) 2011-09-26
[30] US (13/554,298) 2012-07-20
[30] US (13/554,470) 2012-07-20

[11] **2,849,283**
[13] C

[51] **Int.Cl. H04N 19/58 (2014.01) H04N 19/105 (2014.01) H04N 19/159 (2014.01) H04N 19/172 (2014.01)**
[25] EN
[54] **REFERENCE PICTURE LIST CONSTRUCTION FOR VIDEO CODING**
[54] **CONSTRUCTION D'UNE LISTE D'IMAGES DE REFERENCE POUR CODAGE VIDEO**
[72] CHEN, YING, US
[72] WANG, YE-KUI, US
[73] VELOS MEDIA INTERNATIONAL LIMITED,
[85] 2014-03-19
[86] 2012-09-20 (PCT/US2012/056368)
[87] (WO2013/043892)
[30] US (61/538,787) 2011-09-23
[30] US (61/539,433) 2011-09-26
[30] US (61/542,034) 2011-09-30
[30] US (13/622,944) 2012-09-19

[11] **2,849,344**
[13] C

[51] **Int.Cl. C02F 1/50 (2006.01)**
[25] EN
[54] **PROCESS AND COMPOSITION FOR THE REMOVAL OF HYDROGEN SULFIDE FROM INDUSTRIAL PROCESS FLUIDS**
[54] **PROCESSUS ET COMPOSITION POUR L'ELIMINATION DU SULFURE D'HYDROGENE DE FLUIDES DE PROCESSUS INDUSTRIELS**
[72] JANAK, KEVIN, US
[73] LONZA, LLC,
[85] 2014-03-20
[86] 2012-09-21 (PCT/EP2012/068592)
[87] (WO2013/041654)
[30] US (61/538,265) 2011-09-23

[11] **2,849,426**
[13] C

[51] **Int.Cl. C07F 9/117 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOUNDS FOR USE IN THE THERAPY OF CLOSTRIDIUM DIFFICILE INFECTION**
[54] **COMPOSES PHARMACEUTIQUES POUR UTILISATION DANS LA THERAPIE D'UNE INFECTION PAR CLOSTRIDIUM DIFFICILE**
[72] CASTAGNER, BASTIEN, CH
[72] LEROUX, JEAN-CHRISTOPHE, CH
[72] IVARSSON, MATTIAS, CH
[72] SCHNEIDER, GISBERT, CH
[72] PRATSINIS, ANNA, CH
[73] ETH ZURICH,
[85] 2014-03-20
[86] 2012-09-28 (PCT/EP2012/004088)
[87] (WO2013/045107)
[30] EP (11007935.7) 2011-09-29
[30] EP (11007933.2) 2011-09-29

Brevets canadiens délivrés
24 mars 2020

[11] **2,849,448**
[13] C

[51] **Int.Cl. A61K 38/42 (2006.01) A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 47/30 (2006.01)**

[25] EN

[54] **ORAL DELIVERY FOR HEMOGLOBIN BASED OXYGEN CARRIERS**

[54] **ADMINISTRATION ORALE POUR DES TRANSPORTEURS D'OXYGENE A BASE D'HEMOGLOBINE**

[72] WONG, BING LOU, US

[72] KWOK, SUI YI, CN

[73] BILLION KING INTERNATIONAL LIMITED,

[85] 2014-02-26

[86] 2012-08-23 (PCT/US2012/051960)

[87] (WO2013/036383)

[30] US (61/531,224) 2011-09-06

[11] **2,849,747**
[13] C

[51] **Int.Cl. C12P 19/12 (2006.01) C07H 3/04 (2006.01) C12P 19/16 (2006.01) C12P 19/18 (2006.01) C12P 19/20 (2006.01) C12N 9/10 (2006.01)**

[25] EN

[54] **PRODUCTION METHOD FOR POWDER CONTAINING CRYSTALLINE .ALPHA., .ALPHA.-TREHALOSE DIHYDRATE**

[54] **PROCEDE DE PRODUCTION D'UNE POUDRE CONTENANT UN DIHYDRATE D'?,?-TREHALOSE CRISTALLIN**

[72] SHIBUYA, TAKASHI, JP

[72] IZAWA, SEISUKE, JP

[73] HAYASHIBARA CO., LTD.,

[85] 2014-03-21

[86] 2012-09-12 (PCT/JP2012/073266)

[87] (WO2013/042587)

[30] JP (2011-206482) 2011-09-21

[30] JP (2012-168474) 2012-07-30

[11] **2,849,821**
[13] C

[51] **Int.Cl. A61F 2/02 (2006.01)**

[25] EN

[54] **IMPLANTABLE PROSTHESIS FOR REPAIRING OR REINFORCING AN ANATOMICAL DEFECT**

[54] **PROTHESE IMPLANTABLE POUR REPARER OU RENFORCER UN DEFAUT ANATOMIQUE**

[72] COHEN, MATTHEW, US

[73] COVIDIEN LP,

[85] 2014-03-21

[86] 2012-10-01 (PCT/US2012/058248)

[87] (WO2013/049795)

[30] US (64541551) 2011-09-30

[11] **2,850,066**
[13] C

[51] **Int.Cl. H04N 19/159 (2014.01) H04N 19/119 (2014.01) H04N 19/14 (2014.01) H04N 19/172 (2014.01) H04N 19/176 (2014.01) H04N 19/184 (2014.01)**

[25] EN

[54] **AN IMAGE CODING AND DECODING METHOD USING PREDICTION INFORMATION CANDIDATES FOR PREDICTION UNIT SUB-BLOCKS**

[54] **UNE METHODE DE CODAGE ET DE DECODAGE D'IMAGE AU MOYEN DE CANDIDATS D'INFORMATION DE PREDICTION DESTINEE A LA PREDICTION DE SOUS-BLOCS D'UNITE**

[72] SUGIO, TOSHIYASU, JP

[72] NISHI, TAKAHIRO, JP

[72] SHIBAHARA, YOUJI, JP

[72] TANIKAWA, KYOKO, JP

[72] SASAI, HISAO, JP

[72] MATSUNOBU, TORU, JP

[72] TERADA, KENGO, JP

[73] SUN PATENT TRUST,

[85] 2014-03-25

[86] 2012-09-21 (PCT/JP2012/006005)

[87] (WO2013/051209)

[30] US (61/543,365) 2011-10-05

[11] **2,850,088**
[13] C

[51] **Int.Cl. B41M 5/50 (2006.01) B41M 5/52 (2006.01)**

[25] EN

[54] **SOLVENT RESISTANT PRINTABLE SUBSTRATES AND THEIR METHODS OF MANUFACTURE AND USE**

[54] **SUBSTRATS IMPRIMABLES RESISTANTS A UN SOLVANT ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**

[72] DOLSEY, RUSSELL, US

[73] NEENAH PAPER, INC.,

[85] 2014-03-25

[86] 2012-11-01 (PCT/US2012/062921)

[87] (WO2013/070476)

[30] US (13/290,471) 2011-11-07

[11] **2,850,093**
[13] C

[51] **Int.Cl. C04B 35/634 (2006.01) C04B 35/638 (2006.01) C04B 38/08 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING LIGHT CERAMIC MATERIALS**

[54] **PROCEDE DE PRODUCTION DE MATERIAUX CERAMIQUES LEGRS**

[72] VON RYMON LIPINSKI, TADEUSZ, DE

[72] KELLER, BRUNO, DE

[72] BEISSMANN, FRANK, DE

[72] NEUGEBAUER, PETER, DE

[72] KERNKE, RUTH, DE

[72] POPPE, DIRK, DE

[73] EVONIK OPERATIONS GMBH,

[85] 2014-03-20

[86] 2012-08-23 (PCT/EP2012/066437)

[87] (WO2013/041322)

[30] DE (102011113696.0) 2011-09-20

**Canadian Patents Issued
March 24, 2020**

[11] **2,850,136**
[13] C

[51] **Int.Cl. H02G 7/05 (2006.01) F16B 2/12 (2006.01) F16G 11/12 (2006.01) F16L 3/00 (2006.01) H01R 4/28 (2006.01) H01R 13/58 (2006.01)**

[25] EN

[54] **SIDE-LOADING QUADRANT DEADEND CLAMP ASSEMBLY**

[54] **ENSEMBLE PINCE D'ANCRAGE A QUADRANT A CHARGEMENT LATERAL**

[72] BUNDREN, JASON, US

[72] DIOP, SEYDOU, US

[72] ZELAZNY, PAUL, US

[73] HUBBELL INCORPORATED,

[85] 2014-03-26

[86] 2012-09-14 (PCT/US2012/055453)

[87] (WO2013/048783)

[30] US (13/248,259) 2011-09-29

[11] **2,850,329**
[13] C

[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6813 (2018.01) C12Q 1/6837 (2018.01)**

[25] EN

[54] **METHODS OF CO-DETECTING MRNA AND SMALL NON-CODING RNA**

[54] **PROCEDES DE CO-DETECTION D'ARNM ET D'UN PETIT ARN NON CODANT**

[72] SELIGMANN, BRUCE A., US

[72] ROUNSEVILLE, MATT, US

[72] MADDULA, KRISHNA, US

[72] BOTROS, IHAB, US

[72] COX, CHRIS, US

[73] HTG MOLECULAR DIAGNOSTICS, INC.,

[85] 2014-03-27

[86] 2012-09-26 (PCT/US2012/057368)

[87] (WO2013/049231)

[30] US (61/540,387) 2011-09-28

[11] **2,850,653**
[13] C

[51] **Int.Cl. E04F 19/04 (2006.01)**

[25] EN

[54] **CLICK-ON DECORATIVE ELEMENTS**

[54] **ELEMENTS DECORATIFS A ENCLIQUETAGE**

[72] BERGEVIN, LOUIS, CA

[72] LAJEUNESSE, ANNIE, CA

[72] BERGEVIN, YVAN, CA

[73] NUCO PATENTS INC.,

[85] 2014-04-01

[86] 2010-10-01 (PCT/CA2010/001571)

[87] (WO2012/040811)

[11] **2,851,176**
[13] C

[51] **Int.Cl. A01N 1/02 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01) C12N 9/96 (2006.01)**

[25] EN

[54] **STABILISATION OF POLYPEPTIDES**

[54] **STABILISATION DE POLYPEPTIDES**

[72] DREW, JEFFREY, GB

[72] WOODWARD, DAVID THOMAS, GB

[72] WARD, STEPHEN, GB

[73] STABILITECH LTD,

[85] 2014-04-04

[86] 2012-10-05 (PCT/GB2012/052477)

[87] (WO2013/050780)

[30] GB (1117233.5) 2011-10-05

[11] **2,851,395**
[13] C

[51] **Int.Cl. C08K 5/00 (2006.01) C08L 15/00 (2006.01)**

[25] EN

[54] **VULCANIZABLE COMPOSITIONS BASED ON NITRILE RUBBERS CONTAINING EPOXY GROUPS**

[54] **COMPOSITIONS VULCANISABLES A BASE DE CAOUTCHOUCS NITRILE CONTENANT DES GROUPES EPOXY**

[72] BRANDAU, SVEN, FR

[72] MAGG, HANS, DE

[72] WELLE, ACHIM, DE

[73] ARLANXEO DEUTSCHLAND GMBH,

[85] 2014-04-08

[86] 2012-10-10 (PCT/EP2012/070067)

[87] (WO2013/053763)

[30] EP (11290470.1) 2011-10-11

[11] **2,851,465**
[13] C

[51] **Int.Cl. E21C 35/24 (2006.01) G06Q 50/02 (2012.01) E21C 33/00 (2006.01) E21C 35/08 (2006.01) G08G 1/123 (2006.01)**

[25] EN

[54] **MANAGEMENT SYSTEM AND MANAGEMENT METHOD FOR MINING MACHINE**

[54] **SYSTEME DE GESTION ET PROCEDE DE GESTION POUR MACHINE DE MINE**

[72] SUGIHARA, MOTOHIDE, JP

[72] HORI, KOUTAROU, JP

[73] KOMATSU LTD.,

[85] 2014-05-13

[86] 2013-08-30 (PCT/JP2013/073382)

[87] (WO2015/029229)

[11] **2,851,556**
[13] C

[51] **Int.Cl. B25J 9/16 (2006.01) B64F 5/10 (2017.01) B64F 5/50 (2017.01) B23P 21/00 (2006.01)**

[25] EN

[54] **OPERATING METHOD FOR A POSITIONING SYSTEM**

[54] **PROCEDE POUR FAIRE FONCTIONNER UN SYSTEME DE POSITIONNEMENT**

[72] MEISSNER, ALEXANDER, DE

[72] HACKER, JENS, DE

[72] POPPE, DIRK, DE

[72] BIYIKLIOGLU, NIHAT, DE

[72] MBAREK, TAOUFIK, DE

[73] BROETJE AUTOMATION GMBH,

[85] 2014-04-09

[86] 2012-10-15 (PCT/EP2012/004308)

[87] (WO2013/056806)

[30] DE (10 2011 116 437.9) 2011-10-19

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,851,768**
[13] C

[51] **Int.Cl. B32B 5/24 (2006.01) B32B 5/26 (2006.01) B60R 13/00 (2006.01)**

[25] EN

[54] **ARTICLE MADE OF A MULTILAYER COMPOSITE MATERIAL AND PREPARATION METHOD THEREOF**

[54] **ARTICLE FAIT D'UNE MATIERE COMPOSITE MULTI-COUCHES ET SON PROCEDE DE PREPARATION**

[72] DI SANTE, GIUSEPPE, IT
[72] BIGGIO, MARIO, IT
[72] DI PAOLANTONIO, MARIO, IT
[72] GIOVINE, GIANLUCA, IT
[73] INDUSTRIALESUD S.P.A.,
[85] 2014-04-10
[86] 2011-10-31 (PCT/IB2011/054829)
[87] (WO2013/064859)

[11] **2,851,947**
[13] C

[51] **Int.Cl. A61K 36/73 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **USE OF EXTRACTS FROM FILIPENDULA FOR THE TREATMENT AND PROPHYLAXIS OF CHRONIC PAIN CONDITIONS**

[54] **UTILISATION D'EXTRAITS DE FILIPENDULE POUR LE TRAITEMENT ET LA PROPHYLAXIE D'ETATS DOULOUREUX CHRONIQUES**

[72] KOCH, EGON, DE
[72] MUSCH, WERNER, DE
[72] NOLDNER, MICHAEL, DE
[72] SCHOTZ, KARL, DE
[73] DR. WILLMAR SCHWABE GMBH & CO. KG,
[85] 2014-04-11
[86] 2012-10-24 (PCT/EP2012/071031)
[87] (WO2013/060714)
[30] DE (10 2011 085 413.4) 2011-10-28

[11] **2,852,003**
[13] C

[51] **Int.Cl. G06K 9/20 (2006.01)**

[25] EN

[54] **AUTOMATIC DETECTION OF OBJECT PIXELS FOR HYPERSPECTRAL ANALYSIS**

[54] **DETECTION AUTOMATIQUE DE PIXELS D'OBJET POUR UNE ANALYSE HYPERSPECTRALE**

[72] JANNI, JAMES, US
[72] WRIGHT, STEVEN L. (DECEASED), XX

[73] PIONEER HI-BRED INTERNATIONAL, INC.,
[85] 2014-04-11
[86] 2012-10-09 (PCT/US2012/059299)
[87] (WO2013/055657)
[30] US (61/546,677) 2011-10-13

[11] **2,852,204**
[13] C

[51] **Int.Cl. H04L 29/06 (2006.01) G06Q 50/10 (2012.01) G06F 15/16 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR CONFIGURING CONTROL MESSAGE IN BROADCASTING SYSTEM**

[54] **APPAREIL ET PROCEDE POUR LA CONFIGURATION D'UN MESSAGE DE CONTROLE DANS UN SYSTEME DE RADIODIFFUSION**

[72] HWANG, SUNG-OH, KR
[72] PARK, KYUNG-MO, KR
[72] RHYU, SUNG-RYEUL, KR
[72] SONG, JAE-YEON, KR

[73] SAMSUNG ELECTRONICS CO., LTD.,
[85] 2014-04-14
[86] 2012-10-15 (PCT/KR2012/008404)
[87] (WO2013/055191)
[30] KR (10-2011-0104892) 2011-10-13

[11] **2,852,586**
[13] C

[51] **Int.Cl. A63B 59/50 (2015.01) A63B 60/00 (2015.01)**

[25] EN

[54] **BALL BAT INCLUDING A REINFORCED, LOW-DURABILITY REGION FOR DETERRING BARREL ALTERATION**

[54] **BATTE COMPRENANT UNE PARTIE RENFORCEE A FAIBLE RESISTANCE VISANT A EMPECHER UNE MODIFICATION DU CORPS**

[72] CHAUVIN, DEWEY, US
[72] CHUANG, HSING-YEN, US
[73] EASTON DIAMOND SPORTS, LLC,
[85] 2014-04-15
[86] 2012-12-17 (PCT/US2012/070184)
[87] (WO2013/096228)
[30] US (13/333,498) 2011-12-21

[11] **2,852,703**
[13] C

[51] **Int.Cl. B01J 8/18 (2006.01) B01J 4/00 (2006.01) C10G 11/02 (2006.01)**

[25] EN

[54] **SYSTEMS FOR INJECTING CATALYSTS AND/OR ADDITIVES INTO A FLUIDIZED CATALYTIC CRACKING UNIT AND METHODS OF MAKING AND USING THE SAME**

[54] **SYSTEME POUR INJECTER DES CATALYSEURS ET/OU DES ADDITIFS A L'INTERIEUR D'UNE UNITE DE CRAQUAGE CATALYTIQUE A LIT FLUIDISE, ET PROCEDES DE FABRICATION ET D'UTILISATION CORRESPONDANTS**

[72] ALBIN, LENNY LEE, US
[73] W. R. GRACE & CO.-CONN.,
[85] 2014-04-16
[86] 2012-10-18 (PCT/US2012/060787)
[87] (WO2013/059435)
[30] US (61/548,529) 2011-10-18

**Canadian Patents Issued
March 24, 2020**

[11] **2,853,211**
[13] C

[51] **Int.Cl. C09C 1/56 (2006.01) C08K 3/04 (2006.01) C08K 9/02 (2006.01)**
[25] EN
[54] **AN IMPROVED PROCESS FOR THE PRODUCTION OF CARBON BLACK**
[54] **PROCEDE AMELIORE POUR LA PRODUCTION DE NOIR DE CARBONE**
[72] RODRIGUEZ, JUAN, IN
[72] GHOSAL, RANJAN, IN
[72] NARAYANAN, SUNIL KUMAR, IN
[73] ADITYA BIRLA NUVO LIMITED,
[85] 2014-04-23
[86] 2012-10-23 (PCT/IN2012/000698)
[87] (WO2013/098838)
[30] IN (2992/MUM/2011) 2011-10-24

[11] **2,853,214**
[13] C

[51] **Int.Cl. A61M 37/00 (2006.01) A61M 5/158 (2006.01)**
[25] EN
[54] **TRANSDERMAL DELIVERY OF HIGH VISCOSITY BIOACTIVE AGENTS**
[54] **ADMINISTRATION TRANSDERMIQUE D'AGENTS BIOACTIFS A HAUTE VISCOSITE**
[72] ROSS, RUSSELL F., US
[73] SORRENTO THERAPEUTICS, INC.,
[85] 2014-04-23
[86] 2012-10-16 (PCT/IB2012/055621)
[87] (WO2013/061208)
[30] US (61/552,069) 2011-10-27

[11] **2,853,290**
[13] C

[51] **Int.Cl. A23J 3/34 (2006.01) A23K 10/20 (2016.01) A23K 50/00 (2016.01) A23L 33/17 (2016.01) A23J 3/04 (2006.01) C12P 21/06 (2006.01)**
[25] EN
[54] **FOOD PROTEIN INGREDIENT AND METHODS FOR PRODUCING**
[54] **PROTEINES ALIMENTAIRES ET PROCEDES POUR LA PRODUCTION**
[72] XIA, HUAN, US
[72] MERKEL, MICHAEL WILLIAM, US
[72] UNLU, EMINE, US
[72] ABTS, SHANNON LEE, US
[72] MATHEWSON, PAUL RICHARD, US
[72] DANSET, GAETAN LUC DOMINIQUE, US
[72] YONEMOTO, LUCIO, US
[73] MARS, INCORPORATED,
[85] 2014-04-23
[86] 2012-11-07 (PCT/US2012/063985)
[87] (WO2013/070798)
[30] US (61/556,701) 2011-11-07
[30] US (61/556,707) 2011-11-07
[30] US (61/556,714) 2011-11-07
[30] US (61/556,720) 2011-11-07

[11] **2,853,457**
[13] C

[51] **Int.Cl. A61L 27/10 (2006.01) A61L 27/40 (2006.01) A61L 27/56 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND THEIR USE IN BONE HEALING**
[54] **COMPOSITIONS ET LEUR UTILISATION POUR LA CICATRISATION OSSEUSE**
[72] BORDEN, MARK D., US
[73] SYNERGY BIOMEDICAL LLC,
[85] 2014-04-24
[86] 2012-10-24 (PCT/US2012/061574)
[87] (WO2013/063033)
[30] US (61/550,706) 2011-10-24

[11] **2,853,613**
[13] C

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 48/00 (2006.01) A61P 31/20 (2006.01)**
[25] EN
[54] **HBV TREATMENT**
[54] **TRAITEMENT D'UNE INFECTION PAR LE VHB**
[72] GRAHAM, MICHAEL WAYNE, AU
[72] FRENCH, PETER, AU
[72] ZHU, YORK YUANYUAN, US
[72] LU, YIXIANG, CN
[72] LI, TIEJUN, CN
[72] SUN, YUNCHENG, CN
[72] TANG, XIAOJUN, CN
[72] SHAN, LI, CA
[73] BENITEC BIOPHARMA LIMITED,
[85] 2014-04-15
[86] 2011-10-27 (PCT/CN2011/081386)
[87] (WO2012/055362)
[30] CN (201010521962.3) 2010-10-28
[30] CN (201010521972.7) 2010-10-28
[30] CN (201010521990.5) 2010-10-28
[30] CN (201010522003.3) 2010-10-28
[30] CN (201010521948.3) 2010-10-28
[30] CN (201010521975.0) 2010-10-28
[30] CN (201010522005.2) 2010-10-28
[30] CN (PCT/CN2011/071107) 2011-02-18

[11] **2,853,794**
[13] C

[51] **Int.Cl. B07B 1/52 (2006.01) B07B 1/38 (2006.01) B07B 13/16 (2006.01)**
[25] EN
[54] **VIBRATORY SCREENER CLEANING SYSTEM**
[54] **SYSTEME DE NETTOYAGE D'APPAREIL DE CRIBLAGE A VIBRATIONS**
[72] VASQUEZ, NESTOR A., US
[72] JONES, MARK D., US
[73] DOW GLOBAL TECHNOLOGIES LLC,
[85] 2014-04-28
[86] 2012-11-02 (PCT/US2012/063159)
[87] (WO2013/067251)
[30] US (61/554,552) 2011-11-02

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,853,800**

[13] C

- [51] **Int.Cl. H01M 10/0565 (2010.01)**
[25] EN
[54] **POLYURETHANE BASED ELECTROLYTE SYSTEMS FOR ELECTROCHEMICAL CELLS**
[54] **SYSTEMES ELECTROLYTIQUES A BASE DE POLYURETHANE POUR CELLULES ELECTROCHIMIQUES**
[72] CAO, FEINA, US
[72] GOR, TESHAM, US
[72] LU, QIWEI, US
[72] ECKSTEIN, YONA, US
[72] XIE, JIAN, US
[72] MELTZER, DONALD A., US
[73] LUBRIZOL ADVANCED MATERIALS, INC.,
[85] 2014-04-28
[86] 2012-10-24 (PCT/US2012/061522)
[87] (WO2013/062991)
[30] US (61/552,544) 2011-10-28

[11] **2,853,870**

[13] C

- [51] **Int.Cl. B23K 20/12 (2006.01) C22C 29/08 (2006.01) C23C 16/30 (2006.01)**
[25] EN
[54] **FRICTION STIR WELDING TOOL MAKDE OF CEMENTED TUNGSTEN CARBIDE WITH NICKEL AND WITH A AL203 SURFACE COATING**
[54] **OUTIL DE SOUDAGE PAR FRICTION-MALAXAGE FAIT DE CARBURE DE TUNGSTENE CIMENTE AVEC DU NICKEL ET UN REVETEMENT DE SURFACE AL203**
[72] EDERYD, STEFAN, SE
[72] NORDENSTROM, HENRIK, SE
[73] HYPERION MATERIALS & TECHNOLOGIES (SWEDEN) AB,
[85] 2014-04-29
[86] 2012-11-09 (PCT/EP2012/004661)
[87] (WO2013/068122)
[30] EP (11188809.5) 2011-11-11

[11] **2,854,396**

[13] C

- [51] **Int.Cl. C08L 97/02 (2006.01) C08J 3/20 (2006.01) C08J 5/04 (2006.01) C08L 101/00 (2006.01) B65D 85/00 (2006.01)**
[25] EN
[54] **BIOCOMPOSITE AND/OR BIOMATERIAL WITH SUNFLOWER SEED SHELLS/HUSKS**
[54] **COMPOSITE BIOLOGIQUE OU MATERIAU BIOLOGIQUE A BASE DE COQUES/D'ECORCES DE GRAINES DE TOURNESOL**
[72] MEYER, ULRICH, DE
[72] WENDELN, ULRICH, DE
[73] SPC SUNFLOWER PLASTIC COMPOUND GMBH,
[85] 2014-05-02
[86] 2012-10-12 (PCT/EP2012/070348)
[87] (WO2013/072146)
[30] DE (10 2011 086 319.2) 2011-11-14
[30] DE (10 2012 209 482.2) 2012-06-05

[11] **2,854,402**

[13] C

- [51] **Int.Cl. F02C 3/34 (2006.01) F01K 23/10 (2006.01) F01K 25/10 (2006.01) F02C 7/143 (2006.01) F17C 9/04 (2006.01)**
[25] EN
[54] **INTEGRATED LNG GASIFICATION AND POWER PRODUCTION CYCLE**
[54] **SYSTEME DE PRODUCTION D'ENERGIE ET SON PROCEDURE**
[72] ALLAM, RODNEY JOHN, GB
[72] FETVEDT, JEREMY ERON, US
[73] 8 RIVERS CAPITAL, LLC,
[85] 2014-05-01
[86] 2012-11-01 (PCT/US2012/063012)
[87] (WO2013/067149)
[30] US (61/554,880) 2011-11-02
[30] US (61/555,096) 2011-11-03
[30] US (61/597,717) 2012-02-11

[11] **2,854,505**

[13] C

- [51] **Int.Cl. A61B 34/30 (2016.01) B25J 3/04 (2006.01) B25J 9/00 (2006.01) B25J 9/12 (2006.01)**
[25] EN
[54] **STEADY HAND MICROMANIPULATION ROBOT**
[54] **ROBOT POUR MICROMANIPULATION D'UNE MAIN FERME**
[72] OLDS, KEVIN C., US
[72] TAYLOR, RUSSELL H., US
[73] THE JOHNS HOPKINS UNIVERSITY,
[85] 2014-05-02
[86] 2012-11-05 (PCT/US2012/063611)
[87] (WO2013/067535)
[30] US (61/555,780) 2011-11-04

[11] **2,854,638**

[13] C

- [51] **Int.Cl. B67D 7/30 (2010.01) B67D 7/16 (2010.01) C07K 1/04 (2006.01) C07K 1/06 (2006.01) C40B 60/14 (2006.01) G01F 11/28 (2006.01)**
[25] EN
[54] **CONTROL APPARATUS FOR DISPENSING SMALL PRECISE AMOUNTS OF LIQUID REAGENTS**
[54] **APPAREIL DE COMMANDE POUR LA DISTRIBUTION DE PETITES QUANTITES PRECISES D'AGENTS REACTIFS LIQUIDES**
[72] HERMAN, DAVID L., US
[72] LAMBERT, JOSEPH J., US
[73] CEM CORPORATION,
[86] (2854638)
[87] (2854638)
[22] 2014-06-18
[30] US (13/922628) 2013-06-20

**Canadian Patents Issued
March 24, 2020**

[11] **2,854,789**
[13] C

[51] **Int.Cl. C10M 135/04 (2006.01) C07C 319/02 (2006.01) C07C 319/28 (2006.01) C07C 323/20 (2006.01)**

[25] EN

[54] **SULFURIZED ALKYLHYDROXY AROMATIC COMPOUNDS FOR USE IN LUBRICANTS**

[54] **COMPOSES D'ALKYLES HYDROXYLES AROMATIQUES SULFURES DESTINES A ETRE UTILISES DANS DES LUBRIFIANTS**

[72] SINQUIN, GILLES, US
[72] CAMPBELL, CURT, US
[72] LECROQ, HELEINE, US
[72] SPALA, EUGENE E., US
[73] CHEVRON ORONITE COMPANY LLC,
[73] CHEVRON ORONITE SAS,
[85] 2014-05-06
[86] 2012-10-17 (PCT/US2012/060611)
[87] (WO2013/070402)
[30] US (13/293,387) 2011-11-10

[11] **2,855,150**
[13] C

[51] **Int.Cl. B29C 49/28 (2006.01) B29C 49/42 (2006.01)**

[25] EN

[54] **CONTAINER FORMED VIA PLURAL BLOW MOLDING**

[54] **RECIPIENT FORME PAR L'INTERMEDIAIRE D'UN MOULAGE PAR SOUFFLAGE PLURIEL**

[72] WILSON, BRADLEY, US
[72] BATES, PETER, US
[72] BEUERLE, FREDERICK C., US
[72] LISCH, GEORGE DAVID, US
[72] STEIH, RICHARD, US
[73] AMCOR RIGID PLASTICS USA, LLC,
[85] 2014-05-08
[86] 2012-11-13 (PCT/US2012/064785)
[87] (WO2013/074500)
[30] US (61/560,110) 2011-11-15

[11] **2,856,151**
[13] C

[51] **Int.Cl. D21B 1/02 (2006.01) B02C 13/22 (2006.01) D21D 1/20 (2006.01)**

[25] EN

[54] **A METHOD FOR PRODUCING NANOFIBRILLAR CELLULOSE**

[54] **UNE METHODE DE PRODUCTION DE CELLULOSE NANOFIBRILLAIRE**

[72] TAMPER, JUHA, FI
[72] NUOPPONEN, MARKUS, FI
[73] UPM-KYMMENE CORPORATION,
[85] 2014-04-17
[86] 2012-11-14 (PCT/FI2012/051116)
[87] (WO2013/072559)
[30] FI (20116130) 2011-11-14

[11] **2,856,203**
[13] C

[51] **Int.Cl. C07D 215/04 (2006.01) C07D 215/10 (2006.01)**

[25] EN

[54] **PROCESS FOR THE PREPARATION OF A QUINOLINE CARBOXYLIC ACID**

[54] **PROCEDE DE PREPARATION D'ACIDE QUINOLEINE CARBOXYLIQUE**

[72] GOLLUT, JEAN-JACQUES ROGER, CH
[72] GAYET, ARNAUD JEAN ALBERT, CH
[73] SYNGENTA PARTICIPATIONS AG,
[85] 2014-05-08
[86] 2012-11-14 (PCT/EP2012/072636)
[87] (WO2013/072376)
[30] GB (1119690.4) 2011-11-14

[11] **2,856,287**
[13] C

[51] **Int.Cl. C25C 7/00 (2006.01) E04B 1/35 (2006.01)**

[25] EN

[54] **HIGH TEMPERATURE ELECTROLYSIS CELL REFRACTORY SYSTEM, ELECTROLYSIS CELLS, AND ASSEMBLY METHODS**

[54] **SYSTEME REFRACTAIRE DE CELLULE D'ELECTROLYSE A HAUTE TEMPERATURE, CELLULES D'ELECTROLYSE ET PROCEDES D'ASSEMBLAGE**

[72] HOYT, TIMOTHY L., US
[72] BERNSTEIN, CHRISTINA, US
[72] DISAIA, ANTHONY S., US
[72] ESLICK, HERMAN, US
[72] GOSKI, DANA G., US
[73] ALLIED MINERAL PRODUCTS, INC.,
[85] 2014-05-16
[86] 2012-11-16 (PCT/US2012/065580)
[87] (WO2013/074963)
[30] US (13/299,019) 2011-11-17

[11] **2,856,353**
[13] C

[51] **Int.Cl. G01N 21/05 (2006.01)**

[25] EN

[54] **EPOXY MOLDED GAS CELL FOR OPTICAL MEASUREMENT AND METHOD OF FORMING**

[54] **CELLULE A GAZ EPOXY MOULEE POUR MESURES OPTIQUES ET PROCEDE DE MOULAGE**

[72] MARTIN, HANS GORAN EVALD, SE
[73] SENSEAIR AB,
[85] 2014-05-20
[86] 2012-11-30 (PCT/SE2012/000197)
[87] (WO2013/081519)
[30] SE (1151147-4) 2011-12-02

[11] **2,856,359**
[13] C

[51] **Int.Cl. A01G 31/00 (2018.01)**

[25] EN

[54] **PLANT GROWTH SYSTEM**

[54] **SYSTEME DE CROISSANCE DE PLANTE**

[72] JANSSEN, FRANK HENDRIKUS PETER, NL
[73] ROCKWOOL INTERNATIONAL A/S,
[85] 2014-05-20
[86] 2012-12-21 (PCT/EP2012/076820)
[87] (WO2013/093083)
[30] EP (11195445.9) 2011-12-22

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,856,448**
[13] C

[51] **Int.Cl. C07D 215/48 (2006.01) A61K 31/4709 (2006.01) A61K 31/517 (2006.01) A61P 35/00 (2006.01) C07D 239/74 (2006.01) C07D 401/04 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 403/04 (2006.01) C07D 403/12 (2006.01)**

[25] EN
[54] **HETEROCYCLIC CARBOXAMIDES AS MODULATORS OF KINASE ACTIVITY**
[54] **CARBOXAMIDES HETEROCYCLIQUES COMME MODULATEURS D'ACTIVITE KINASE**

[72] HUCK, BAYARD R., US
[72] CHEN, XIAOLING, US
[72] XIAO, YUFANG, US
[72] LAN, RUOXI, US
[72] DE SELM, LIZBETH CELESTE, US
[72] NEAGU, CONSTANTIN, US
[72] POTNICK, JUSTIN, US
[72] KARRA, SRINIVASA R., US
[72] JOHNSON, THERESA L., US
[73] MERCK PATENT GMBH,
[85] 2014-05-20
[86] 2012-12-17 (PCT/US2012/070085)
[87] (WO2013/096194)
[30] US (61/579,377) 2011-12-22

[11] **2,856,498**
[13] C

[51] **Int.Cl. F03D 3/00 (2006.01) H02S 20/20 (2014.01) F03D 13/20 (2016.01) H02K 7/18 (2006.01)**

[25] EN
[54] **SUPPORT STRUCTURE FOR VERTICAL AXIS TURBINES**
[54] **STRUCTURE DE SUPPORT D'EOLIENNES A AXE VERTICAL**

[72] ANGOLI, ROBERTO, IT
[72] PARMA, PAOLO, IT
[72] GHIDESI, GIANCARLO, IT
[73] R.E.M. S.P.A. REVOLUTION ENERGY MAKER,
[85] 2014-05-21
[86] 2012-11-26 (PCT/IB2012/002492)
[87] (WO2013/076573)
[30] IT (BG2011A000048) 2011-11-25

[11] **2,856,554**
[13] C

[51] **Int.Cl. G01C 21/32 (2006.01) G06F 16/29 (2019.01) G06F 3/14 (2006.01) G09B 29/00 (2006.01)**

[25] EN
[54] **PRE-FETCHING MAP TILE DATA ALONG A ROUTE**
[54] **PRE-EXTRACTION DE DONNEES DE PAVE DE CARTE LE LONG D'UN ITINERAIRE**

[72] KALAI, ILJYA, CH
[72] SILISKI, MICHAEL, US
[72] MORRISON, JERRY, US
[72] ITO, KEITH, US
[72] MILLER, ANDREW T., US
[73] GOOGLE LLC,
[85] 2014-05-21
[86] 2012-08-20 (PCT/US2012/051577)
[87] (WO2013/089837)
[30] US (61/569,493) 2011-12-12
[30] US (13/546,143) 2012-07-11

[11] **2,856,575**
[13] C

[51] **Int.Cl. H01Q 1/27 (2006.01) H01Q 1/08 (2006.01) H01Q 1/12 (2006.01)**

[25] EN
[54] **COMPACT PORTABLE ANTENNA POSITIONER SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE POSITIONNEMENT D'ANTENNE PORTABLE ET COMPACT**

[72] AYOTTE, KEITH, US
[72] LAGASSE, PAUL, US
[72] MARTIN, DAVID, US
[72] SORRENTINO, ANTHONY, US
[72] WEBB, SPENCER, US
[72] WHEELER, MARK, US
[72] DAVISON, GEORGE, US
[73] ANTENNASYS, INC.,
[73] GBS POSITIONER, LLC,
[85] 2014-05-21
[86] 2012-10-18 (PCT/US2012/060697)
[87] (WO2013/103432)
[30] US (13/278,927) 2011-10-21

[11] **2,857,024**
[13] C

[51] **Int.Cl. H05K 5/02 (2006.01) H02G 3/08 (2006.01) H05K 7/20 (2006.01)**

[25] EN
[54] **SHROUD FOR AN ELECTRICAL ENCLOSURE**
[54] **ENVELOPPE POUR BOITIER ELECTRIQUE**

[72] MANAHAN, JOSEPH MICHAEL, US
[72] DECARR, GRAIG E., US
[72] HASELBACHER, HANS D., US
[73] EATON INTELLIGENT POWER LIMITED,
[85] 2014-05-26
[86] 2012-11-29 (PCT/US2012/067119)
[87] (WO2013/082314)
[30] US (61/564,536) 2011-11-29

[11] **2,857,261**
[13] C

[51] **Int.Cl. E01B 9/68 (2006.01)**

[25] EN
[54] **RAIL PAD WITH SEAL**
[54] **SEMELLE DE RAIL A JOINT D'ETANCHEITE**

[72] AWI ABALO, BOLOM, BE
[72] LENS, MICHEL, BE
[73] HF HOLDING SA,
[85] 2014-05-28
[86] 2012-12-19 (PCT/EP2012/076143)
[87] (WO2013/092709)
[30] EP (11194344.5) 2011-12-19

[11] **2,857,508**
[13] C

[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/168 (2006.01) F04B 43/14 (2006.01)**

[25] EN
[54] **SYSTEM AND METHOD PERTAINING TO A PERISTALTIC PUMP MECHANISM**
[54] **SYSTEME ET PROCEDE ASSOCIES A UN MECANISME DE POMPE PERISTALTIQUE**

[72] BUTTERFIELD, ROBERT D., US
[72] ABAL, DANIEL, US
[73] CAREFUSION 303, INC.,
[85] 2014-05-29
[86] 2012-12-06 (PCT/US2012/068271)
[87] (WO2013/086210)
[30] US (13/315,196) 2011-12-08

**Canadian Patents Issued
March 24, 2020**

[11] **2,857,607**
[13] C

[51] **Int.Cl. H01Q 13/20 (2006.01) H01Q 19/19 (2006.01)**
[25] EN
[54] **REFLECTOR ANTENNA INCLUDING DUAL BAND SPLASHPLATE SUPPORT**
[54] **ANTENNE A REFLECTEUR MUNIE D'UN SUPPORT DE PLAQUE DEFLECTRICE A DOUBLE BANDE**
[72] ROBERTS, RICHARD WILLIAM, GB
[73] ASTRIUM LIMITED,
[85] 2014-05-30
[86] 2012-10-30 (PCT/EP2012/071513)
[87] (WO2013/064514)
[30] EP (11275137.5) 2011-11-02

[11] **2,857,927**
[13] C

[51] **Int.Cl. F02K 1/00 (2006.01) F02K 1/82 (2006.01) F02K 3/06 (2006.01)**
[25] FR
[54] **A CONVERGENT-DIVERGENT TURBO-MACHINE NOZZLE**
[54] **TUYERE CONVERGENTE-DIVERGENTE DE TURBOMACHINE**
[72] LEYKO, MATTHIEU, FR
[72] BERTUCCHI, JEAN, FR
[72] GAILLOT, MATHIEU, FR
[73] SNECMA,
[85] 2014-06-02
[86] 2012-12-04 (PCT/FR2012/052795)
[87] (WO2013/083908)
[30] FR (1161282) 2011-12-07

[11] **2,857,970**
[13] C

[51] **Int.Cl. A01N 43/40 (2006.01) A01N 25/32 (2006.01) A01N 39/04 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **HERBICIDAL COMPOSITION CONTAINING PYRIDINE CARBOXYLIC ACIDS AND (2,4-DICHLOROPHENOXY)ACETIC ACID**
[54] **COMPOSITIONS HERBICIDES REFERMANT DES ACIDES CARBOXYLIQUES PYRIDINES ET UN ACIDE (2,4-DICHLOROPHENOXY)ACETIQUE**
[72] OVALLE, DANIEL, CO
[72] CARRANZA GARZON, NELSON M., CO
[72] ROJAS-CALVO, CARLOS E., MX
[72] PANIAGUA, LEONARDO, ES
[72] REICHERT, ALBERTO, MX
[72] MASTERS, ROBERT A., US
[73] DOW AGROSCIENCES LLC,
[85] 2014-06-02
[86] 2012-12-05 (PCT/US2012/067937)
[87] (WO2013/085988)
[30] US (61/567,419) 2011-12-06

[11] **2,858,142**
[13] C

[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR SUTURING**
[54] **APPAREIL ET PROCEDE DE SUTURE**
[72] LEVIN, OFEK, IL
[72] LEVY, ARIE, IL
[72] LEVIN, LENA, IL
[73] VIA SURGICAL LTD.,
[85] 2014-06-04
[86] 2012-12-17 (PCT/IB2012/002957)
[87] (WO2013/093620)
[30] US (61/577,038) 2011-12-18
[30] US (61/653,792) 2012-05-31

[11] **2,858,381**
[13] C

[51] **Int.Cl. G21F 5/10 (2006.01)**
[25] EN
[54] **APPARATUS FOR HOLDING RADIOACTIVE OBJECTS**
[54] **APPAREIL POUR MAINTENIR DES OBJETS RADIOACTIFS**
[72] CLOUGH, MALCOLM JAMES, CA
[72] JACKSON, AUSTIN THOMAS, CA
[72] DUGAL, CLIFFORD JOHN JOSEPH, CA
[72] MARTIN, DANIEL HARRY, CA
[72] MCGREGOR, JAMES EDWARD ALLAN, CA
[72] DIAMOND, WILLIAM THOMAS, CA
[73] ATOMIC ENERGY OF CANADA LIMITED/ENERGIE ATOMIQUE DU CANADA LIMITEE,
[85] 2014-06-06
[86] 2012-12-07 (PCT/CA2012/050877)
[87] (WO2013/082720)
[30] US (61/568,280) 2011-12-08

[11] **2,858,768**
[13] C

[51] **Int.Cl. A01N 43/90 (2006.01) A01N 25/00 (2006.01) A01P 21/00 (2006.01)**
[25] EN
[54] **SEED TREATMENT COMPOSITION COMPRISING NATAMYCIN**
[54] **COMPOSITION DE TRAITEMENT DE SEMENCE RENFERMANT DE LA NATAMYCINE**
[72] SCHREURS, FREDERIK JAN HENDRIK, NL
[72] STARK, JACOBUS, NL
[72] DE RIJK, ANGELIQUE, NL
[73] DSM IP ASSETS B.V.,
[85] 2014-06-10
[86] 2012-12-21 (PCT/EP2012/076627)
[87] (WO2013/092995)
[30] EP (11195253.7) 2011-12-22

Brevets canadiens délivrés
24 mars 2020

[11] **2,859,133**
[13] C

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/53 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **DISUBSTITUTED BENZOTHIENYL-PYRROLOTRIAZINES AND THEIR USE AS FGFR KINASE INHIBITORS**

[54] **BENZOTHIENYL-PYRROLOTRIAZINES DISUBSTITUEES ET LEUR UTILISATION EN TANT QU'INHIBITEURS DE KINASE FGFR**

[72] BROHM, DIRK, DE
[72] HEROULT, MELANIE, DE
[72] COLLIN, MARIE-PIERRE, DE
[72] HUBSCH, WALTER, DE
[72] LOBELL, MARIO, DE
[72] LUSTIG, KLEMENS, DE
[72] GRUNEWALD, SYLVIA, DE
[72] BOMER, ULF, DE
[72] VOEHRINGER, VERENA, DE
[73] BAYER PHARMA AKTIENGESELLSCHAFT,
[73] BAYER INTELLECTUAL PROPERTY GMBH,
[85] 2014-06-12
[86] 2012-12-10 (PCT/EP2012/074977)
[87] (WO2013/087578)
[30] EP (11193841.1) 2011-12-15

[11] **2,859,464**
[13] C

[51] **Int.Cl. A61J 15/00 (2006.01)**

[25] EN

[54] **IMPROVED BASE FOR AN ENTERAL FEEDING DEVICE**

[54] **BASE AMELIOREE POUR UN DISPOSITIF D'ALIMENTATION ENTERALE**

[72] GRIFFITH, NATHAN C., US
[72] MCMICHAEL, DONALD J., US
[72] ROTELLA, JOHN A., US
[73] AVENT, INC.,
[85] 2014-06-16
[86] 2012-11-14 (PCT/IB2012/056426)
[87] (WO2013/093665)
[30] US (13/334,258) 2011-12-22

[11] **2,859,514**
[13] C

[51] **Int.Cl. A01N 43/56 (2006.01) A01N 43/713 (2006.01) A01P 7/04 (2006.01)**

[25] EN

[54] **ANTHRANILIC DIAMIDE/POLYMER PROPAGATION-COATING COMPOSITIONS**

[54] **COMPOSITIONS DE DIAMIDE ANTHRANILIQUE/POLYMERE POUR REVETIR UNE PROPAGULE**

[72] HOLOWKA, ERIC P., US
[72] VRAKAS, STEPHANIE C., US
[73] E. I. DU PONT DE NEMOURS AND COMPANY,
[85] 2014-06-16
[86] 2012-12-19 (PCT/US2012/070673)
[87] (WO2013/096479)
[30] US (61/577,119) 2011-12-19

[11] **2,859,630**
[13] C

[51] **Int.Cl. C08L 23/36 (2006.01) C08J 5/06 (2006.01) C08K 7/06 (2006.01) C08L 23/10 (2006.01)**

[25] EN

[54] **FIBER-REINFORCED POLYPROPYLENE RESIN COMPOSITION, MOLDING MATERIAL AND PREPREG**

[54] **COMPOSITION DE RESINE DE POLYPROPYLENE RENFORCEE PAR DES FIBRES, MATERIAU DE MOULAGE ET PREIMPREGNE**

[72] SANO, KENTARO, JP
[72] HIRANO, NORIYUKI, JP
[72] HONMA, MASATO, JP
[72] TSUCHIYA, ATSUKI, JP
[73] TORAY INDUSTRIES, INC.,
[85] 2014-06-17
[86] 2013-01-17 (PCT/JP2013/050745)
[87] (WO2013/108811)
[30] JP (2012-009917) 2012-01-20
[30] JP (2012-009918) 2012-01-20
[30] JP (2012-009919) 2012-01-20
[30] JP (2012-009920) 2012-01-20

[11] **2,859,694**
[13] C

[51] **Int.Cl. G21G 4/00 (2006.01) B82Y 25/00 (2011.01) A61K 51/12 (2006.01) C25C 5/02 (2006.01) C30B 7/00 (2006.01) C30B 29/02 (2006.01) G01N 33/58 (2006.01) H01F 1/06 (2006.01)**

[25] EN

[54] **RADIOACTIVE AND/OR MAGNETIC METAL NANOPARTICLES AND PROCESS AND APPARATUS FOR SYNTHESIZING SAME**

[54] **NANOPARTICULES METALLIQUES RADIOACTIVES ET/MAGNETIQUES ET PROCEDE ET APPAREIL POUR LEUR SYNTHESE**

[72] FORTIN, MARC-ANDRE, CA
[72] SARRA-BOURNET, CHRISTIAN, CA
[72] LETOURNEAU, MATHIEU, CA
[72] LAROCHE, GAETAN, CA
[73] UNIVERSITE LAVAL,
[85] 2014-06-18
[86] 2011-12-20 (PCT/CA2011/001423)
[87] (WO2012/083442)
[30] US (61/424,868) 2010-12-20

[11] **2,859,752**
[13] C

[51] **Int.Cl. C08L 97/00 (2006.01) C08K 3/02 (2006.01) C08K 3/08 (2006.01)**

[25] EN

[54] **COMPOSITIONS COMPRISING LIGNIN**

[54] **COMPOSITIONS COMPRENANT DE LA LIGNINE**

[72] KILAMBI, SRINIVAS, US
[72] KADAM, KIRAN L., US
[73] RENMATIX, INC.,
[85] 2014-06-18
[86] 2012-12-03 (PCT/US2012/067535)
[87] (WO2013/101397)
[30] US (61/581,865) 2011-12-30
[30] US (13/472,798) 2012-05-16

**Canadian Patents Issued
March 24, 2020**

[11] **2,859,879**
[13] C

[51] **Int.Cl. B01D 15/34 (2006.01) B01D 15/36 (2006.01) B01D 15/38 (2006.01) B01J 20/281 (2006.01) G01N 27/447 (2006.01)**

[25] EN

[54] **USE OF STATIONARY PHASE COMPRISING FIBRIL CELLULOSE IN SEPARATION METHODS**

[54] **UTILISATION DE PHASE STATIONNAIRE COMPRENANT DE LA CELLULOSE FIBRILLAIRE DANS DES PROCEDES DE SEPARATION**

[72] LAURAEUS, MARKO, FI
[72] LAUKKANEN, ANTTI, FI
[73] UPM-KYMMENE CORPORATION,
[85] 2014-06-19
[86] 2012-12-18 (PCT/FI2012/051263)
[87] (WO2013/093196)
[30] FI (FI20116317) 2011-12-22

[11] **2,859,907**
[13] C

[51] **Int.Cl. B01J 8/00 (2006.01) B01F 3/04 (2006.01) B01J 8/04 (2006.01) C10G 49/00 (2006.01)**

[25] EN

[54] **DISTRIBUTOR DEVICE FOR A MULTIPLE-BED DOWNFLOW REACTOR**

[54] **DISPOSITIF DISTRIBUTEUR POUR UN REACTEUR A FLUX DESCENDANT A PLUSIEURS LITS**

[72] DEGALEESAN, SUJATHA, US
[72] OUWERKERK, CHARLES EDUARD DAMMIS, NL
[72] WITKAMP, BENOIT, NL
[72] WORTHEN, RACHEL ANNA, US
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.,
[85] 2014-06-19
[86] 2012-12-20 (PCT/EP2012/076438)
[87] (WO2013/092886)
[30] US (PCT/US2011/066923) 2011-12-22

[11] **2,859,940**
[13] C

[51] **Int.Cl. A61K 31/40 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **METHOD FOR ADMINISTRATION OF AN ANTI TUMOR AGENT**

[54] **PROCEDE D'ADMINISTRATION D'UN AGENT ANTI-TUMORAL**

[72] GLENN, KELLI, US
[72] HIGGINS, BRIAN, US
[72] NICHOLS, GWEN, US
[72] PACKMAN, KATHRYN E., US
[73] F. HOFFMANN-LA ROCHE AG,
[85] 2014-06-19
[86] 2013-03-15 (PCT/EP2013/055324)
[87] (WO2013/139687)
[30] US (61/612,429) 2012-03-19

[11] **2,859,989**
[13] C

[51] **Int.Cl. A61B 18/12 (2006.01) A61N 1/36 (2006.01)**

[25] EN

[54] **METHODS AND APPARATUSES FOR REMODELING TISSUE OF OR ADJACENT TO A BODY PASSAGE**

[54] **PROCEDES ET APPAREILS POUR REMODELISER UN TISSU D'UN PASSAGE CORPOREL OU ADJACENT A UN PASSAGE CORPOREL**

[72] MATHUR, PRABODH, US
[72] NASSIF, RABIH, US
[72] PEREZ, DOLORES, US
[72] MOADDEB, SHAHRAM, US
[73] BOSTON SCIENTIFIC SCIMED, INC.,
[85] 2014-06-19
[86] 2012-12-21 (PCT/US2012/071504)
[87] (WO2013/096916)
[30] US (61/580,141) 2011-12-23
[30] US (61/632,624) 2012-01-27
[30] US (61/633,154) 2012-02-06
[30] US (61/743,225) 2012-08-29
[30] US (61/743,237) 2012-08-29
[30] US (61/743,238) 2012-08-29

[11] **2,860,091**
[13] C

[51] **Int.Cl. F17C 3/00 (2006.01) B65D 88/02 (2006.01) B65D 88/32 (2006.01) B65D 88/54 (2006.01) B65D 90/02 (2019.01) B65D 90/14 (2006.01)**

[25] EN

[54] **PROPPANT STORAGE VESSEL AND ASSEMBLY THEREOF**

[54] **RECIPIENT DE STOCKAGE DE PROPERGOL ET ENSEMBLE**

[72] OREN, JOHN, US
[73] OREN TECHNOLOGIES, LLC,
[85] 2014-06-20
[86] 2012-11-27 (PCT/US2012/066639)
[87] (WO2013/095871)
[30] US (13/332,937) 2011-12-21

[11] **2,860,181**
[13] C

[51] **Int.Cl. H04W 36/00 (2009.01)**

[25] EN

[54] **METHODS AND APPARATUS FOR CONTROLLING CIRCUIT SWITCHED FALL BACK OF A MOBILE STATION FROM E-UTRAN TO UTRAN/GERAN IN A FULL-MULTI-OPERATOR CORE NETWORK**

[54] **PROCEDES ET APPAREIL DE COMMANDE DE REPLI PAR COMMUTATION DE CIRCUITS D'UNE STATION MOBILE D'E-UTRAN A UTRAN/GERAN DANS RESEAU CENTRAL ENTIEREMENT A PLUSIEURS OPERATEURS**

[72] DIACHINA, JOHN WALTER, US
[72] SCHLIWA-BERTLING, PAUL, SE
[72] MOLANDER, ANDERS, SE
[73] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL),
[85] 2014-06-20
[86] 2012-12-14 (PCT/IB2012/057359)
[87] (WO2013/093748)
[30] US (61/578,499) 2011-12-21
[30] US (13/712,495) 2012-12-12

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,860,227**
[13] C

[51] **Int.Cl. A61L 27/48 (2006.01) C08L 89/00 (2006.01)**
[25] EN
[54] **CONTINUOUS MATRIX WITH OSTEOCONDUCTIVE PARTICLES DISPERSED THEREIN, METHOD OF FORMING THEREOF, AND METHOD OF REGENERATING BONE THEREWITH**
[54] **MATRICE CONTINUE DANS LAQUELLE DES PARTICULES OSTEOCONDUCTRICES SONT DISPERSEES, PROCEDE DE FORMATION DE CETTE MATRICE ET PROCEDE DE REGENERATION OSSEUSE A L'AIDE DE CETTE MATRICE**
[72] LAMBERTI, FRANCIS VINCENT, US
[72] HILL, RONALD STEWART, US
[72] MACMILLAN, ADAM, US
[72] AHN, EDWARD, US
[72] SCHLOSSBERG, BRIAN, US
[72] CAPISTRON, STEPHEN, US
[72] LLOYD, WILLIAM H., US
[73] PIONEER SURGICAL TECHNOLOGY,
[85] 2014-06-20
[86] 2012-12-20 (PCT/US2012/071002)
[87] (WO2013/096650)
[30] US (61/579,820) 2011-12-23

[11] **2,860,634**
[13] C

[51] **Int.Cl. C10G 45/00 (2006.01) C10G 9/00 (2006.01) C10G 47/00 (2006.01) F17D 1/17 (2006.01)**
[25] EN
[54] **A PROCESS FOR UPGRADING A HEAVY HYDROCARBON FEEDSTOCK**
[54] **PROCEDE DE VALORISATION D'UNE CHARGE D'HYDROCARBURES LOURDS**
[72] VINDSPOLL, HARALD, NO
[72] GRANDE, KNUT VEBJORN, NO
[72] SORLIE, CARSTEN FRITHJOF, NO
[72] HAUGAN, MARIANNE, NO
[73] STATOIL PETROLEUM AS,
[85] 2014-07-04
[86] 2013-01-03 (PCT/EP2013/050045)
[87] (WO2013/102639)
[30] GB (1200155.8) 2012-01-06

[11] **2,861,005**
[13] C

[51] **Int.Cl. A61K 36/54 (2006.01) A23L 33/115 (2016.01) A23D 7/00 (2006.01) A23D 9/00 (2006.01) A61P 19/02 (2006.01) A61P 19/04 (2006.01) C11B 1/04 (2006.01) C11B 1/06 (2006.01) C11B 1/10 (2006.01) C11B 3/00 (2006.01)**
[25] FR
[54] **USE OF WHOLE SOFT AVOCADOS FOR PREPARING AVOCADO OIL RICH IN UNSAPONIFIABLES**
[54] **UTILISATION D'AVOCATS MOUS FORMIERS POUR OBTENIR UNE HUILE D'AVOCAT RICHE EN INSAPONIFIABLE**
[72] MSIKA, PHILIPPE, FR
[72] LEGRAND, JACQUES, FR
[73] LABORATOIRES EXPANSCIENCE,
[85] 2014-06-25
[86] 2012-12-26 (PCT/EP2012/076903)
[87] (WO2013/098293)
[30] FR (1162461) 2011-12-26

[11] **2,861,015**
[13] C

[51] **Int.Cl. B29C 44/46 (2006.01)**
[25] EN
[54] **DEVICE FOR APPLYING A FOAMING REACTION MIXTURE**
[54] **DISPOSITIF PERMETTANT D'APPLIQUER UN MELANGE REACTIF MOUSSANT**
[72] KOSTER, RALF, DE
[72] JUNG, HORST-UWE, DE
[72] LOVENICH, CATHERINE, DE
[73] BAYER INTELLECTUAL PROPERTY GMBH,
[85] 2014-07-11
[86] 2013-01-15 (PCT/EP2013/050675)
[87] (WO2013/107742)
[30] EP (12151254.5) 2012-01-16

[11] **2,861,076**
[13] C

[51] **Int.Cl. F01D 5/22 (2006.01) F01D 5/28 (2006.01)**
[25] FR
[54] **TURBOMACHINE ROTOR BLADE AND CORRESPONDING TURBOMACHINE**
[54] **AUBE MOBILE DE TURBOMACHINE ET TURBOMACHINE CORRESPONDANTE**
[72] BENSALAH, SLIM, FR
[72] NEGRI, ARNAUD, FR
[72] DIGARD BROU DE CUISSART, SEBASTIEN, FR
[72] KLEIN, GUILLAUME, FR
[72] TANG, BA-PHUC, FR
[72] MATHIEU, DAVID, FR
[72] DOREMUS, SIBYLLE, FR
[73] SNECMA,
[85] 2014-07-11
[86] 2013-01-16 (PCT/FR2013/050096)
[87] (WO2013/107982)
[30] FR (1250435) 2012-01-17
[30] FR (1255586) 2012-06-14

[11] **2,861,113**
[13] C

[51] **Int.Cl. C08L 101/10 (2006.01) C09D 201/10 (2006.01)**
[25] EN
[54] **THERMOPLASTIC, SEMICONDUCTIVE COMPOSITIONS**
[54] **COMPOSITIONS SEMI-CONDUCTRICES, THERMOPLASTIQUES**
[72] ESSEGHIR, MOHAMED, US
[72] COGEN, JEFFREY M., US
[72] SENGUPTA, SAURAV S., US
[72] DUNCHUS, NEIL W., US
[73] DOW GLOBAL TECHNOLOGIES LLC,
[85] 2014-07-14
[86] 2013-01-29 (PCT/US2013/023588)
[87] (WO2013/116196)
[30] US (61/592,700) 2012-01-31

**Canadian Patents Issued
March 24, 2020**

[11] **2,861,145**
[13] C

[51] **Int.Cl. B01F 1/00 (2006.01) C09D 7/20 (2018.01) A01N 25/02 (2006.01) C08J 11/08 (2006.01) C09D 9/00 (2006.01) C10G 1/04 (2006.01) C10L 10/04 (2006.01) C11D 3/43 (2006.01) C11D 7/50 (2006.01)**

[25] EN

[54] **NON-REPROTOXIC N-ALKYL PYRROLIDONE SOLVENTS AND USES THEREOF**

[54] **SOLVANTS N-ALKYL-PYRROLIDONES NON REPROTOXIQUES ET LEURS UTILISATIONS**

[72] VANDEPUTTE, BART, BE
[72] MOONEN, KRISTOF, BE
[72] ROOSE, PETER, BE
[73] TAMINCO,
[85] 2014-07-14
[86] 2013-01-17 (PCT/EP2013/050852)
[87] (WO2013/107822)
[30] BE (2012/0037) 2012-01-17

[11] **2,861,199**
[13] C

[51] **Int.Cl. A61K 31/4425 (2006.01) A61K 31/5375 (2006.01) A61P 31/04 (2006.01) A61P 31/10 (2006.01)**

[25] EN

[54] **TREATMENT OF MICROBIAL INFECTIONS WITH DELMOPINOL AND CETYLPYRIDINIUM**

[54] **TRAITEMENT D'INFECTIONS MICROBIENNES AVEC DU DELMOPINOL ET DU CETYLPYRIDINIUM**

[72] YOULTON, SIMON, GB
[73] BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC.,
[85] 2014-07-14
[86] 2013-03-20 (PCT/GB2013/050728)
[87] (WO2013/140170)
[30] GB (1204864.1) 2012-03-20
[30] GB (1204970.6) 2012-03-21

[11] **2,861,204**
[13] C

[51] **Int.Cl. E04B 2/16 (2006.01) E04B 2/44 (2006.01) E04B 2/86 (2006.01)**

[25] EN

[54] **MODULAR PANEL FOR TRANSPIRING, VARIABLE-GEOMETRY FORMWORK**

[54] **PANNEAU MODULAIRE POUR COFFRAGE A GEOMETRIE VARIABLE , RESPIRANT**

[72] CABONI, MICHELE, IT
[73] CABONI, MICHELE,
[85] 2014-07-14
[86] 2012-01-10 (PCT/IT2012/000005)
[87] (WO2013/042150)
[30] IT (TO2011A000012) 2011-01-13

[11] **2,861,325**
[13] C

[51] **Int.Cl. C08G 65/00 (2006.01)**

[25] EN

[54] **PROCESS FOR PREPARING OLEFIN OXIDE POLYMERIZATION CATALYSTS**

[54] **PROCEDE DE PREPARATION DE CATALYSEURS DE POLYMERISATION D'OXYDE D'OLEFINE**

[72] SIMMS, JOHN R., US
[72] KENNEY, JOHN M., US
[73] DOW GLOBAL TECHNOLOGIES LLC,
[85] 2014-07-15
[86] 2013-01-21 (PCT/US2013/022383)
[87] (WO2013/116026)
[30] US (61/592,201) 2012-01-30

[11] **2,861,447**
[13] C

[51] **Int.Cl. B30B 1/28 (2006.01) B30B 15/00 (2006.01) B30B 15/24 (2006.01)**

[25] EN

[54] **USE OF DATA ABOUT THE FORCE FLOW IN A PRESS FOR THE OPERATION OF A PLUNGER**

[54] **UTILISATION DE DONNEES DU FLUX DE FORCE DANS UNE PRESSE POUR LE FONCTIONNEMENT D'UN PILON**

[72] SPIESSHOFER, THOMAS, DE
[73] SCHULER PRESSEN GMBH,
[85] 2014-07-16
[86] 2013-01-15 (PCT/DE2013/100008)
[87] (WO2013/107444)
[30] DE (10 2012 100 325.4) 2012-01-16

[11] **2,861,558**
[13] C

[51] **Int.Cl. A01N 25/02 (2006.01)**

[25] EN

[54] **AGROCHEMICAL EMULSIFIABLE CONCENTRATE FORMULATIONS USING SOLVENT SYSTEM HAVING BENZYL ACETATE**

[54] **FORMULES DE CONCENTRE EMULSIFIANT AGROCHIMIQUE EMPLOYANT UN SYSTEME DE SOLVANT RENFERMANT DE L'ACETATE DE BENZYL**

[72] BROWN, ROWAN, AU
[72] GIANIRACUSA, MARIE, AU
[72] KIRBY, ANDREW FRANCIS (DECEASED), AU
[72] SAYLIK, DILEK, AU
[73] INDORAMA VENTURES OXIDES AUSTRALIA PTY LIMITED,
[85] 2014-07-17
[86] 2013-02-25 (PCT/AU2013/000164)
[87] (WO2013/126947)
[30] AU (2012900731) 2012-02-27

[11] **2,861,624**
[13] C

[51] **Int.Cl. B31B 50/25 (2017.01) B31B 50/74 (2017.01) B65B 7/16 (2006.01) B65D 5/20 (2006.01) B65D 5/355 (2006.01)**

[25] FR

[54] **PROCESS AND MACHINE FOR REDUCING THE HEIGHT OF BOXES WITH A SQUARE OR RECTANGULAR CROSS SECTION**

[54] **PROCEDE ET MACHINE POUR REDUIRE LA HAUTEUR DE BOITES A SECTION CARREE OU RECTANGULAIRE**

[72] DURAND, CLAUDE, FR
[72] DUFFES, FREDERIC, FR
[72] CASANOVA, ROBERT, FR
[73] B+ EQUIPMENT (SAS),
[85] 2014-06-23
[86] 2013-02-05 (PCT/FR2013/050238)
[87] (WO2013/117852)
[30] FR (12/00374) 2012-02-08

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,861,704**
[13] C

[51] **Int.Cl. C09D 11/00 (2014.01)**
[25] EN
[54] **INKJET PRINTING OF WOOD COLOURS**
[54] **IMPRESSION A JET D'ENCRE DE COULEURS DE BOIS**
[72] JUNG, JURGEN, BE
[72] TORFS, RITA, BE
[72] GRAINDOURZE, MARC BERNARD, BE
[72] GEELLEN, RENE, BE
[73] AGFA NV,
[85] 2014-06-26
[86] 2013-01-16 (PCT/EP2013/050715)
[87] (WO2013/113553)
[30] EP (12153872.2) 2012-02-03
[30] US (61/597,846) 2012-02-13

[11] **2,861,824**
[13] C

[51] **Int.Cl. G16H 20/00 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PATIENT CARE PLAN MANAGEMENT**
[54] **SYSTEME ET PROCEDE DE GESTION DE PROGRAMME DE SOIN AUX PATIENTS**
[72] VEMIREDDY, MADHAVI, US
[72] NANIS, NIK, US
[72] PAUL, KIMBERLY, US
[72] UBRIANI, KIRAN, US
[72] JACKSON, DEREK, US
[72] KITAWAT, MUKESH, US
[73] ACTIVE HEALTH MANAGEMENT, INC.,
[85] 2014-06-26
[86] 2013-01-04 (PCT/US2013/020279)
[87] (WO2013/103810)
[30] US (13/345,336) 2012-01-06

[11] **2,861,833**
[13] C

[51] **Int.Cl. F23K 3/00 (2006.01) F23D 1/00 (2006.01) F23K 3/02 (2006.01)**
[25] EN
[54] **ADJUSTABLE DIVISION PLATE FOR CLASSIFIER COAL FLOW CONTROL**
[54] **PLAQUE DE DIVISION AJUSTABLE POUR REGULATION DE DEBIT DE CHARBON DE CLASSIFICATEUR**
[72] RATH, JOHN, US
[72] YALDIZLI, MURAT, US
[73] BABCOCK POWER SERVICES, INC.,
[85] 2014-06-26
[86] 2013-01-11 (PCT/US2013/021257)
[87] (WO2013/106727)
[30] US (61/586,197) 2012-01-13

[11] **2,861,854**
[13] C

[51] **Int.Cl. D01F 8/04 (2006.01) D01F 1/10 (2006.01) D01F 8/14 (2006.01)**
[25] EN
[54] **MULTICOMPONENT DEGRADABLE MATERIALS AND USE**
[54] **MATERIAUX DEGRADABLES A PLUSIEURS COMPOSANTS ET APPLICATION**
[72] ZHU, S. SHERRY, US
[72] TU, HUILIN, US
[72] KHLESTKIN, VADIM KAMIL'EVICH, RU
[72] AMARANTE, MIRANDA, US
[73] SCHLUMBERGER CANADA LIMITED,
[85] 2014-06-26
[86] 2012-12-21 (PCT/US2012/071147)
[87] (WO2013/101702)
[30] US (61/631,174) 2011-12-28

[11] **2,862,236**
[13] C

[51] **Int.Cl. E01C 19/10 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR PRODUCING COATED PRODUCTS, FOR EXAMPLE BITUMINOUS COATED PRODUCTS, WITH PROTECTION PLATES**
[54] **DISPOSITIF ET PROCEDE DE FABRICATION DE PRODUITS ENROBES, PAR EXEMPLE DE PRODUITS ENROBES BITUMINEUX, A PLAQUES DE PROTECTION**
[72] CARRASCO, ANTOINE, FR
[73] ARGUMAT,
[85] 2014-07-22
[86] 2013-01-24 (PCT/FR2013/050149)
[87] (WO2013/110896)
[30] FR (1250732) 2012-01-25

[11] **2,862,324**
[13] C

[51] **Int.Cl. B60K 5/12 (2006.01) B60G 17/017 (2006.01)**
[25] EN
[54] **ELECTRICALLY SWITCHABLE LOCKING TORQUE STRUT**
[54] **BARRE DE COUPLE A VERROUILLAGE ELECTRIQUEMENT COMMUTABLE**
[72] BRADSHAW, JEFF, US
[72] TELANDO, STEVE, US
[73] COOPER STANDARD AUTOMOTIVE INC.,
[85] 2014-07-22
[86] 2013-01-23 (PCT/US2013/022796)
[87] (WO2013/112621)
[30] US (61/589,621) 2012-01-23

[11] **2,862,168**
[13] C

[51] **Int.Cl. E02F 9/28 (2006.01)**
[25] EN
[54] **WEAR ASSEMBLY**
[54] **ENSEMBLE D'USURE**
[72] STANGELAND, KEVIN S., US
[72] WOOD, CLINTON A., US
[72] SHREEVE, KATE L., US
[72] OLLINGER, CHARLES G., IV, US
[73] ESCO GROUP LLC,
[85] 2014-07-21
[86] 2013-02-14 (PCT/US2013/026109)
[87] (WO2013/123167)
[30] US (61/600,437) 2012-02-17

**Canadian Patents Issued
March 24, 2020**

[11] **2,862,347**
[13] C

[51] **Int.Cl. F03B 13/10 (2006.01) E02B 9/00 (2006.01) F03B 13/08 (2006.01) H02K 7/18 (2006.01)**

[25] EN

[54] **POWER CONVERSION AND ENERGY STORAGE DEVICE**

[54] **DISPOSITIF DE CONVERSION DE PUISSANCE ET DE STOCKAGE D'ENERGIE**

[72] ROOS, PAUL W., US

[73] AMERICAN HYDRO JET CORPORATION,

[85] 2014-07-22

[86] 2013-01-23 (PCT/US2013/022733)

[87] (WO2013/112573)

[30] US (13/356,288) 2012-01-23

[11] **2,862,357**
[13] C

[51] **Int.Cl. A47J 42/38 (2006.01) A47J 31/24 (2006.01) A47J 31/42 (2006.01)**

[25] EN

[54] **AUTO SHOT ADJUSTMENT FOR GRINDER**

[54] **REGLAGE DE TIR AUTOMATIQUE POUR BROYEUR**

[72] RADHAKRISHNAN, SURESH, US

[73] BUNN-O-MATIC CORPORATION,

[85] 2014-07-22

[86] 2013-01-24 (PCT/US2013/022982)

[87] (WO2013/112732)

[30] US (61/590,325) 2012-01-24

[11] **2,862,658**
[13] C

[51] **Int.Cl. F23R 3/00 (2006.01) F02C 3/14 (2006.01)**

[25] EN

[54] **GAS TURBINE ENGINE COMBUSTOR**

[54] **CHAMBRE DE COMBUSTION DE TURBINE A GAZ**

[72] CHIN, JUSHAN, US

[73] ROLLS-ROYCE CORPORATION,

[85] 2014-06-30

[86] 2012-12-30 (PCT/US2012/072234)

[87] (WO2013/141943)

[30] US (13/341,941) 2011-12-31

[11] **2,862,673**
[13] C

[51] **Int.Cl. F03B 11/06 (2006.01) F03B 13/10 (2006.01) F03B 13/26 (2006.01) F03B 17/06 (2006.01) F16C 32/04 (2006.01) F16C 39/06 (2006.01)**

[25] EN

[54] **HYDROKINETIC TURBINE GENERATOR COMPRISING A STATOR, A ROTOR, A FIRST MAGNETIC BEARING SUPPORT OF THE ROTOR AND A SECOND BEARING SUPPORT WITH ROTATING ELEMENT(S)**

[54] **GENERATRICE A TURBINE HYDROCINETIQUE COMPRENANT UN STATOR, UN ROTOR, UN PREMIER SUPPORT DE PALIER MAGNETIQUE DU ROTOR ET UN DEUXIEME SUPPORT DE PALIER A ELEMENTS ROTATIFS**

[72] DUCHENE, HUGO, FR

[72] CAGNIN, PHILIPPE, FR

[73] GE ENERGY POWER CONVERSION TECHNOLOGY LTD.,

[85] 2014-07-24

[86] 2013-02-01 (PCT/EP2013/052083)

[87] (WO2013/117502)

[30] FR (12 51082) 2012-02-06

[11] **2,862,714**
[13] C

[51] **Int.Cl. B65D 88/66 (2006.01) B65D 69/00 (2006.01) B65G 65/30 (2006.01)**

[25] EN

[54] **MATERIAL DELIVERY METHOD AND SYSTEM**

[54] **PROCEDE ET SYSTEME DE DECHARGE DE MATERIAU**

[72] HAMILTON, MIKE, AU

[72] MCDIARMID, JAMES FRANCIS, AU

[73] VIBRATION TECHNOLOGY SOLUTIONS PTY LIMITED,

[85] 2014-07-25

[86] 2013-01-25 (PCT/AU2013/000065)

[87] (WO2013/110137)

[30] AU (2012900304) 2012-01-27

[11] **2,862,727**
[13] C

[51] **Int.Cl. E02B 3/06 (2006.01) B63B 22/02 (2006.01) B65D 88/78 (2006.01)**

[25] EN

[54] **PLANT FOR STORAGE AND UNLOADING HYDROCARBON AND ALSO A METHOD THEREOF**

[54] **USINE POUR LE STOCKAGE ET LE DECHARGEMENT D'HYDROCARBURE ET PROCEDE ASSOCIE**

[72] KJERSEM, GEIR LASSE, NO

[72] VARTDAL, HARALD, NO

[73] GRAVI FLOAT AS,

[85] 2014-07-02

[86] 2012-06-29 (PCT/NO2012/050128)

[87] (WO2013/002648)

[30] NO (20110947) 2011-06-30

[11] **2,863,080**
[13] C

[51] **Int.Cl. H01F 7/02 (2006.01) G01R 33/383 (2006.01)**

[25] EN

[54] **POLE PIECE**

[54] **PIECE POLAIRE**

[72] LESKOWITZ, GARETT M., CA

[72] MCFEETORS, GREGORY, CA

[73] NANALYSIS CORP.,

[85] 2014-07-29

[86] 2013-02-07 (PCT/CA2013/050095)

[87] (WO2013/116944)

[30] US (61/597,430) 2012-02-10

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,863,163**
[13] C

[51] **Int.Cl. A61F 13/47 (2006.01) A61F 5/44 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR TREATING ACCIDENTAL BOWEL LEAKAGE**
[54] **DISPOSITIFS ET PROCEDES POUR TRAITER UNE FUITE FECALE ACCIDENTELLE**
[72] BREZOCZKY, THOMAS BLASIUS, US
[72] RONN, KARL PATRICK, US
[72] BREZOCZKY, KELLY LEWIS, US
[72] RONN, ELIZABETH HODGE, US
[72] GOLD, STEVEN B., US
[73] ATTENDS HEALTHCARE PRODUCTS, INC.,
[85] 2014-07-29
[86] 2013-01-30 (PCT/US2013/023928)
[87] (WO2013/116391)
[30] US (61/593,052) 2012-01-31
[30] US (61/649,749) 2012-05-21
[30] US (29/422,461) 2012-05-21
[30] US (29/437,530) 2012-11-16

[11] **2,863,180**
[13] C

[51] **Int.Cl. A61K 31/64 (2006.01) A61P 3/10 (2006.01) A61P 27/02 (2006.01)**
[25] FR
[54] **LIQUID FORMULATIONS OF HYPOGLYCAEMIC SULPHONAMIDES**
[54] **FORMULATIONS LIQUIDES DE SULFAMIDES HYPOGLYCEMIANTS**
[72] BERDUGO POLAK, MARIANNE, FR
[73] AMMTEK,
[85] 2014-07-29
[86] 2013-02-28 (PCT/FR2013/050421)
[87] (WO2013/128131)
[30] FR (1251795) 2012-02-28

[11] **2,863,203**
[13] C

[51] **Int.Cl. C08G 63/64 (2006.01) A61L 27/18 (2006.01) A61L 27/58 (2006.01)**
[25] EN
[54] **POLYMERIC BIOMATERIALS DERIVED FROM PHENOLIC MONOMERS AND THEIR MEDICAL USES**
[54] **BIOMATERIAUX POLYMERES DERIVES DE MONOMERES PHENOLIQUES ET LEURS UTILISATIONS A DES FINS MEDICALES**
[72] KOHN, JOACHIM B., US
[72] BOLIKAL, DURGADAS, US
[73] RUTGERS, THE STATE OF UNIVERSITY OF NEW JERSEY,
[85] 2014-07-29
[86] 2013-02-02 (PCT/US2013/024534)
[87] (WO2013/116804)
[30] US (61/594,380) 2012-02-03
[30] US (61/726,321) 2012-11-14

[11] **2,863,408**
[13] C

[51] **Int.Cl. C08L 27/12 (2006.01) C08J 3/24 (2006.01) C08K 5/14 (2006.01) C08K 5/17 (2006.01) C08K 5/3492 (2006.01)**
[25] EN
[54] **RAPID GAS DECOMPRESSION-RESISTANT FLUOROELASTOMER COMPOSITIONS AND MOLDED ARTICLES**
[54] **COMPOSITIONS FLUOROELASTOMERES RESISTANT A LA DECOMPRESSION RAPIDE DE GAZ ET OBJETS MOULES**
[72] CAMPBELL, RONALD R., US
[73] GREENE, TWEED TECHNOLOGIES, INC.,
[85] 2014-07-30
[86] 2013-02-04 (PCT/US2013/024678)
[87] (WO2013/116868)
[30] US (61/594,999) 2012-02-03

[11] **2,863,595**
[13] C

[51] **Int.Cl. A61L 2/232 (2006.01) A61B 42/10 (2016.01) A01N 25/34 (2006.01) A01N 47/44 (2006.01) A01P 1/00 (2006.01) C09D 5/14 (2006.01) A41D 19/00 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL ELASTOMERIC ARTICLES**
[54] **ARTICLES ELASTOMERES ANTIMICROBIENS**
[72] KROGMAN, NICHOLAS, US
[72] ISAAC, WALTER, US
[72] WANG, SHIPING, US
[72] PETROV, KATIA, US
[73] ALLEGIANCE CORPORATION,
[85] 2014-07-31
[86] 2013-02-14 (PCT/US2013/026161)
[87] (WO2013/123206)
[30] US (13/396,260) 2012-02-14

[11] **2,863,734**
[13] C

[51] **Int.Cl. C12N 9/90 (2006.01) C12P 7/06 (2006.01) C12P 19/24 (2006.01)**
[25] EN
[54] **PENTOSE FERMENTING MICROORGANISMS**
[54] **FERMENTATION DE PENTOSE PAR DES MICROORGANISMES**
[72] DRAGOVIC, ZDRAVKO, DE
[72] GAMAUF, CHRISTIAN, DE
[72] REISINGER, CHRISTOPH, DE
[72] KETTLING, ULRICH, DE
[73] CLARIANT PRODUKTE (DEUTSCHLAND) GMBH,
[85] 2014-08-01
[86] 2013-02-07 (PCT/EP2013/052407)
[87] (WO2013/117631)
[30] EP (12000783.6) 2012-02-07

**Canadian Patents Issued
March 24, 2020**

[11] **2,864,046**
[13] C

[51] **Int.Cl. A61M 5/152 (2006.01)**
[25] EN
[54] **INFLATABLE ELASTOMERIC PUMP FOR AN INFUSION ASSEMBLY**
[54] **POMPE ELASTOMERIQUE GONFLABLE COMPORTANT UN MECANISME DE PERFUSION**
[72] TEFERA, KOKEB, US
[72] VU, QUANG NGOC, US
[72] GANDHI, DEEPAK, US
[73] AVENT, INC.,
[85] 2014-08-07
[86] 2013-02-05 (PCT/IB2013/050956)
[87] (WO2013/118052)
[30] US (61/597,502) 2012-02-10
[30] US (61/616,589) 2012-03-28
[30] US (61/637,963) 2012-04-25
[30] US (13/755,037) 2013-01-31

[11] **2,864,256**
[13] C

[51] **Int.Cl. C13K 1/02 (2006.01) C12P 7/06 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING SUGAR SOLUTION, SUGAR SOLUTION, AND METHOD FOR PRODUCING ETHANOL**
[54] **PROCEDE DE FABRICATION D'UNE SOLUTION DE SUCRE, SOLUTION DE SUCRE ET PROCEDE DE FABRICATION D'ETHANOL**
[72] NIWA, MASAHIRO, JP
[72] SHINDO, SHO, JP
[72] NISHIDA, TAKANORI, JP
[72] KISHIMOTO, JUNPEI, JP
[72] MINAMINO, ATSUSHI, JP
[72] KURIHARA, HIROYUKI, JP
[72] YAMADA, KATSUSHIGE, JP
[73] TORAY INDUSTRIES, INC.,
[85] 2014-08-06
[86] 2013-02-12 (PCT/JP2013/053267)
[87] (WO2013/122051)
[30] JP (2012-028962) 2012-02-13

[11] **2,864,393**
[13] C

[51] **Int.Cl. C01G 9/02 (2006.01) A61K 8/27 (2006.01) A61Q 17/04 (2006.01)**
[25] EN
[54] **SPHERICAL ZINC OXIDE PARTICLE CONSISTING OF INTEGRATED PLATE-LIKE PARTICLES, METHOD FOR PRODUCING THE SAME, COSMETIC, AND THERMAL CONDUCTIVE FILLER**
[54] **PARTICULES SPHERIQUES D'OXYDE DE ZINC FORMEES AGREE, LEUR PROCEDE DE PREPARATION, PRODUIT COSMETIQUE ET CHARGE DE DISSIPATION DE CHALEUR**
[72] SUEDA, SATORU, JP
[72] HASHIMOTO, MITSUO, JP
[72] TERABE, ATSUKI, JP
[72] MAGARA, KOICHIRO, JP
[73] SAKAI CHEMICAL INDUSTRY CO., LTD.,
[85] 2014-08-12
[86] 2013-03-08 (PCT/JP2013/056462)
[87] (WO2013/133412)
[30] JP (2012-051789) 2012-03-08

[11] **2,864,411**
[13] C

[51] **Int.Cl. A61M 19/00 (2006.01) A61H 23/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PAIN REDUCTION DURING SKIN PUNCTURE AND BREAKABLE TIP THEREFOR**
[54] **SYSTEME ET METHODE DE REDUCTION DE LA DOULEUR DURANT UNE PERFORATION DE LA PEAU ET POINTE CASSABLE POUR CEUX-CI**
[72] GOLDBERG, STEVEN, US
[72] GOLDBERG, MICHAEL, US
[72] SCHIFF, DAVID, US
[73] BING INNOVATIONS, LLC,
[85] 2014-08-12
[86] 2012-09-05 (PCT/US2012/053744)
[87] (WO2013/036507)
[30] US (13/225,782) 2011-09-06
[30] US (13/253,572) 2011-10-05

[11] **2,864,412**
[13] C

[51] **Int.Cl. B63G 8/39 (2006.01) G10K 11/18 (2006.01) H04R 1/44 (2006.01)**
[25] FR
[54] **SUBMARINE STRUCTURE COMPRISING A SOUND BAFFLE, FOR THE INTEGRATION OF A SONAR RECEIVING ANTENNA ON A THIN SHELL**
[54] **STRUCTURE DE SOUS-MARIN COMPORTANT UN BAFFLE ACOUSTIQUE POUR L'INTEGRATION D'UNE ANTENNE DE RECEPTION SONAR SUR UNE COQUE MINCE**
[72] AUDOLY, CHRISTIAN, FR
[72] REYNARD, FRANCOIS, FR
[73] DCNS,
[85] 2014-08-07
[86] 2013-02-15 (PCT/EP2013/053095)
[87] (WO2013/121007)
[30] FR (1251494) 2012-02-17

[11] **2,864,452**
[13] C

[51] **Int.Cl. B60L 13/03 (2006.01) E01B 25/30 (2006.01)**
[25] FR
[54] **RAILWAY, RAIL VEHICLE FOR TRAVELING ON THE RAILWAY, AND ASSEMBLY INCLUDING THE RAILWAY AND THE RAIL VEHICLE**
[54] **VOIE FERREE, VEHICULE FERROVIAIRE POUR CIRCULER SUR LA VOIE FERREE ET ENSEMBLE COMPRENANT LA VOIE FERREE ET LE VEHICULE FERROVIAIRE**
[72] WAX EBELING, JURGEN, FR
[73] ALSTOM TRANSPORT TECHNOLOGIES,
[85] 2014-08-13
[86] 2013-03-14 (PCT/EP2013/055309)
[87] (WO2013/135851)
[30] FR (1252302) 2012-03-14

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,864,628**
[13] C

- [51] **Int.Cl. C04B 28/02 (2006.01) C04B 28/14 (2006.01) C04B 28/16 (2006.01) C04B 40/00 (2006.01)**
[25] FR
[54] **ANTI-FILMING SURFACE-ACTIVE AGENT**
[54] **AGENT ANTI-PELLICULE DE SURFACE**
[72] MATEO, SANDRINE, FR
[72] BOUSTINGORRY, PASCAL, FR
[73] CHRYSO,
[85] 2014-08-14
[86] 2013-02-21 (PCT/EP2013/053443)
[87] (WO2013/124350)
[30] FR (1251561) 2012-02-21

[11] **2,864,636**
[13] C

- [51] **Int.Cl. B22F 3/00 (2006.01) B22F 3/24 (2006.01)**
[25] EN
[54] **METHOD OF SURFACE HARDENING SINTERED BODIES BY USING VIBRATIONS**
[54] **PROCEDE DE DURCISSEMENT EN SURFACE DE CORPS FRITES A L'AIDE DE VIBRATIONS**
[72] CARPENTER, MICHAEL, GB
[72] GEOGHEGAN, SARAH, GB
[72] KEOWN, EUGENE, GB
[72] SMITH, JANE, GB
[73] HYPERION MATERIALS & TECHNOLOGIES (SWEDEN) AB,
[85] 2014-08-14
[86] 2013-03-07 (PCT/EP2013/054607)
[87] (WO2013/135555)
[30] EP (12159307.3) 2012-03-13

[11] **2,864,813**
[13] C

- [51] **Int.Cl. E06B 11/02 (2006.01)**
[25] EN
[54] **GATE**
[54] **PORTAIL**
[72] HONEYCUTT, ROBERT W., US
[72] JONES, CARSON ALLAN, US
[73] SAFE RACK LLC,
[85] 2014-08-15
[86] 2013-02-15 (PCT/US2013/026306)
[87] (WO2013/123302)
[30] US (61/599,276) 2012-02-15

[11] **2,864,993**
[13] C

- [51] **Int.Cl. A01N 43/40 (2006.01) A01N 37/50 (2006.01) A01N 43/22 (2006.01) A01N 43/42 (2006.01) A01N 43/56 (2006.01) A01N 43/707 (2006.01) A01N 43/76 (2006.01) A01N 43/80 (2006.01) A01N 43/82 (2006.01) A01N 47/02 (2006.01) A01N 47/40 (2006.01) A01N 51/00 (2006.01) A01P 7/00 (2006.01) C07D 213/46 (2006.01) C07D 401/06 (2006.01)**
[25] EN
[54] **PEST CONTROL COMPOSITION INCLUDING NOVEL IMINOPYRIDINE DERIVATIVE**
[54] **COMPOSITION DE LUTTE ANTIPARASITAIRE COMPRENANT UN NOUVEAU DERIVE D'IMINOPYRIDINE**
[72] HORIKOSHI, RYO, JP
[72] ONOZAKI, YASUMICHI, JP
[72] NAKAMURA, SATOSHI, JP
[72] NOMURA, MASAHIRO, JP
[72] MATSUMURA, MAKOTO, JP
[72] MITOMI, MASAOKI, JP
[73] MEIJI SEIKA PHARMA CO., LTD.,
[85] 2014-08-19
[86] 2013-02-27 (PCT/JP2013/056051)
[87] (WO2013/129688)
[30] JP (2012-044514) 2012-02-29

[11] **2,865,173**
[13] C

- [51] **Int.Cl. E21B 47/01 (2012.01) E21B 47/00 (2012.01)**
[25] EN
[54] **LOW PROFILE MAGNETIC ORIENTING PROTECTORS**
[54] **ELEMENTS DE PROTECTION A ORIENTATION MAGNETIQUE A PROFIL BAS**
[72] SCHLEMBACH, CATHERINE JEAN, US
[72] MCCOY, BRIAN KELLY, US
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.,
[85] 2014-08-20
[86] 2013-03-05 (PCT/US2013/029012)
[87] (WO2013/134201)
[30] US (61/608,447) 2012-03-08

[11] **2,865,274**
[13] C

- [51] **Int.Cl. A61M 5/32 (2006.01)**
[25] EN
[54] **RETRACTABLE NEEDLE SAFETY SYRINGES**
[54] **SERINGUES DE SECURITE A AIGUILLE RETRACTABLE**
[72] SAMANDI, MASOUD, US
[72] BRANDT, CHRISTIAN P., US
[72] GOEBEL, PAUL D., US
[73] UNITRACT SYRINGE PTY LTD,
[85] 2014-08-21
[86] 2012-12-04 (PCT/US2012/067793)
[87] (WO2013/126118)
[30] US (61/602,277) 2012-02-23
[30] US (61/639,898) 2012-04-28
[30] US (61/667,010) 2012-07-02

[11] **2,865,831**
[13] C

- [51] **Int.Cl. H04B 3/54 (2006.01)**
[25] EN
[54] **DATA COMMUNICATIONS SYSTEM**
[54] **SYSTEME DE COMMUNICATION DE DONNEES**
[72] SHANKS, DAVID SIRDA, GB
[73] ZENITH OILFIELD TECHNOLOGY LIMITED,
[85] 2014-08-28
[86] 2013-02-28 (PCT/GB2013/050511)
[87] (WO2013/132233)
[30] GB (1204126.5) 2012-03-08
[30] GB (1209141.9) 2012-05-24
[30] GB (1211806.3) 2012-07-04
[30] GB (1215281.5) 2012-08-28

**Canadian Patents Issued
March 24, 2020**

[11] **2,865,851**
[13] C

[51] **Int.Cl. A47J 31/60 (2006.01) A47J 31/06 (2006.01) A47J 31/40 (2006.01)**
[25] EN
[54] **CONTAINER HOLDER WITH FILTRATION UNIT FOR USE IN A NUTRITIONAL PREPARATION MACHINE**
[54] **PORTE-CONTENANT DOTE D'UNE UNITE DE FILTRATION A UTILISER DANS UNE MACHINE DE PREPARATION NUTRITIONNELLE**
[72] DOGAN, NIHAN, CH
[72] WYSS, HEINZ, CH
[72] MANSER, DANIEL ROLAND, CH
[72] BEZET, NICOLAS JEAN-GUY, FR
[73] SOCIETE DES PRODUITS NESTLE S.A.,
[85] 2014-08-28
[86] 2013-02-22 (PCT/EP2013/053539)
[87] (WO2013/127696)
[30] EP (12157452.9) 2012-02-29

[11] **2,865,949**
[13] C

[51] **Int.Cl. H04N 19/51 (2014.01) H04N 19/52 (2014.01) H04N 19/58 (2014.01) H04N 19/597 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **HIGH-LEVEL SYNTAX EXTENSIONS FOR HIGH EFFICIENCY VIDEO CODING**
[54] **EXTENSIONS DE SYNTAXE DE HAUT NIVEAU POUR CODAGE VIDEO HAUTE EFFICACITE**
[72] CHEN, YING, US
[72] WANG, YE-KUI, US
[72] ZHANG, LI, US
[73] QUALCOMM INCORPORATED,
[85] 2014-08-28
[86] 2013-03-14 (PCT/US2013/031573)
[87] (WO2013/138639)
[30] US (61/611,959) 2012-03-16
[30] US (61/624,990) 2012-04-16
[30] US (61/658,344) 2012-06-11
[30] US (61/663,484) 2012-06-22
[30] US (61/746,476) 2012-12-27
[30] US (13/801,731) 2013-03-13

[11] **2,866,115**
[13] C

[51] **Int.Cl. A61K 47/38 (2006.01) A61K 38/17 (2006.01) A61P 17/02 (2006.01)**
[25] EN
[54] **TOPICAL GELS CONTAINING ALPHA CONNEXIN C-TERMINAL (ACT) PEPTIDES**
[54] **GELS TOPIQUES CONTENANT DES PEPTIDES C-TERMINAUX D'ALPHA CONNEXINE (ACT)**
[72] GHATNEKAR, GAUTAM, US
[73] FIRSTSTRING RESEARCH, INC.,
[85] 2014-08-29
[86] 2013-03-01 (PCT/US2013/028727)
[87] (WO2013/131040)
[30] US (61/605,528) 2012-03-01

[11] **2,866,261**
[13] C

[51] **Int.Cl. G06F 40/58 (2020.01) G06F 16/903 (2019.01) G06F 17/18 (2006.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **FOREIGN LANGUAGE TRANSLATION USING PRODUCT INFORMATION**
[54] **TRADUCTION DE LANGUE ETRANGERE UTILISANT DES INFORMATIONS DE PRODUIT**
[72] BHAGAT, RAHUL H., US
[73] AMAZON TECHNOLOGIES, INC.,
[85] 2014-09-03
[86] 2013-03-05 (PCT/US2013/029152)
[87] (WO2013/134284)
[30] US (13/413,041) 2012-03-06

[11] **2,866,346**
[13] C

[51] **Int.Cl. E21B 15/00 (2006.01)**
[25] EN
[54] **MODULAR DRILLING RIG SYSTEM**
[54] **SYSTEME DE FORAGE MODULAIRE**
[72] WIJNING, DIEDERICK BERNARDUS, NL
[72] ROODENBURG, JOOP, NL
[73] ITREC B.V.,
[85] 2014-09-04
[86] 2013-03-01 (PCT/NL2013/050132)
[87] (WO2013/133698)
[30] US (61/607,309) 2012-03-06
[30] US (61/657,455) 2012-06-08

[11] **2,866,381**
[13] C

[51] **Int.Cl. C07H 19/23 (2006.01) A61K 31/706 (2006.01) A61P 31/16 (2006.01)**
[25] EN
[54] **2'- SUBSTITUTED CARBA-NUCLEOSIDE ANALOGS FOR ANTIVIRAL TREATMENT**
[54] **ANALOGUES DE CARBA-NUCLEOSIDE 2'-SUBSTITUES POUR TRAITEMENT ANTIVIRAL**
[72] CLARKE, MICHAEL O'NEIL HANRAHAN, US
[73] GILEAD SCIENCES, INC.,
[85] 2014-09-04
[86] 2013-03-11 (PCT/US2013/030196)
[87] (WO2013/138236)
[30] US (61/610,411) 2012-03-13

[11] **2,866,440**
[13] C

[51] **Int.Cl. C08F 210/18 (2006.01) C08F 2/00 (2006.01) C08F 2/01 (2006.01)**
[25] EN
[54] **PROCESS AND PLANT FOR MANUFACTURING POLYETHYLENE-DIENE-COPOLYMERS**
[54] **PROCEDE ET INSTALLATION POUR LA PREPARATION DE COPOLYMERES DE POLYETHYLENE-DIENE**
[72] SULTAN, BERNT-AKE, SE
[72] VOIGT, BJORN, SE
[72] NYLANDER, PERRY, SE
[72] HJERTBERG, THOMAS, SE
[72] DAHLEN, KRISTIAN, SE
[72] BERGQVIST, MATTIAS, SE
[72] ANKER, MARTIN, SE
[72] FOSSUM, KJELL, SE
[73] BOREALIS AG,
[85] 2014-09-05
[86] 2013-03-07 (PCT/EP2013/054613)
[87] (WO2013/132011)
[30] EP (12158405.6) 2012-03-07

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,866,467**
[13] C

[51] **Int.Cl. C07D 471/08 (2006.01) A61K 31/439 (2006.01) A61P 31/04 (2006.01)**

[25] EN

[54] **HETEROBICYCLIC COMPOUNDS AS BETA-LACTAMASE INHIBITORS**

[54] **COMPOSES HETEROBICYCLIQUES COMME INHIBITEURS DE LA BETA-LACTAMASE**

[72] MCGUIRE, HELEN MAUREEN, US

[72] BIST, SHANTA, US

[72] BIFULCO, NEIL, US

[72] ZHAO, LIANG, US

[72] WU, YE, US

[72] HUYNH, HOAN, US

[72] XIONG, HUI, US

[72] COMITA-PREVOIR, JANELLE, US

[72] DUSSAULT, DAEMIAN DAVID, US

[72] GENG, BOLIN, US

[72] CHEN, BRENDAN, US

[72] DURAND-REVILLE, THOMAS, US

[72] GULER, SATENIG, US

[73] ENTASIS THERAPEUTICS LIMITED,

[85] 2014-09-05

[86] 2013-04-02 (PCT/GB2013/050869)

[87] (WO2013/150296)

[30] US (61/618,993) 2012-04-02

[11] **2,866,481**
[13] C

[51] **Int.Cl. B01D 21/26 (2006.01) B01D 21/28 (2006.01) C02F 1/00 (2006.01)**

[25] EN

[54] **RING GRIT REMOVER WITH VANES**

[54] **APPAREIL CYLINDRIQUE D'ELIMINATION DE SALETES DOTE D'AUBES**

[72] MESSICK, HARRISON J., US

[72] WEIS, FRANK G., US

[72] NOONAN, FRANCIS M., US

[73] SMITH & LOVELESS, INC.,

[85] 2014-09-05

[86] 2013-02-22 (PCT/US2013/027252)

[87] (WO2013/158214)

[30] US (13/447,539) 2012-04-16

[11] **2,866,525**
[13] C

[51] **Int.Cl. C08F 4/06 (2006.01) C08F 10/10 (2006.01)**

[25] EN

[54] **POLYMERIZATION INITIATING SYSTEM AND METHOD TO PRODUCE HIGHLY REACTIVE OLEFIN FUNCTIONAL POLYMERS**

[54] **SYSTEME D'AMORCAGE DE POLYMERISATION ET PROCEDE DE FABRICATION DE POLYMERES FONCTIONNELS OLEFINIQUES HAUTEMENT REACTIFS**

[72] FAUST, RUDOLF, US

[72] KUMAR, RAJEEV, US

[72] EMERT, JACOB, US

[73] UNIVERSITY OF MASSACHUSETTS,

[73] INFINEUM INTERNATIONAL LIMITED,

[86] (2866525)

[87] (2866525)

[22] 2014-10-08

[30] US (14/052,490) 2013-10-11

[11] **2,866,576**
[13] C

[51] **Int.Cl. C08F 2/10 (2006.01) C08F 2/38 (2006.01)**

[25] FR

[54] **CONTROLLED RADICAL POLYMERISATION IN WATER-IN-WATER DISPERSION**

[54] **POLYMERISATION RADICALEIRE CONTROLEE EN DISPERSION EAU-DANS-L'EAU**

[72] DESTARAC, MATHIAS, FR

[72] WILSON, JAMES DAVID, FR

[72] STOILOVA, SILVIA, FR

[73] RHODIA OPERATIONS,

[85] 2014-09-08

[86] 2013-03-11 (PCT/EP2013/054905)

[87] (WO2013/132108)

[30] FR (12/00725) 2012-03-09

[11] **2,867,212**
[13] C

[51] **Int.Cl. D21G 9/00 (2006.01) B65H 23/00 (2006.01) B65H 43/00 (2006.01) D21F 2/00 (2006.01)**

[25] EN

[54] **CLOSED-LOOP ALIGNMENT IDENTIFICATION WITH ADAPTIVE PROBING SIGNAL DESIGN TECHNIQUE FOR WEB MANUFACTURING OR PROCESSING SYSTEMS**

[54] **IDENTIFICATION D'ALIGNEMENT EN BOUCLE FERMEE AVEC TECHNIQUE DE CONCEPTION DE SIGNAL DE SONDAGE POUR SYSTEMES DE FABRICATION ET DE TRAITEMENT DE BANDE**

[72] CHU, DANLEI, CA

[72] GHEORGHE, CRISTIAN, CA

[73] HONEYWELL ASCA INC.,

[85] 2014-09-12

[86] 2013-03-13 (PCT/CA2013/000241)

[87] (WO2013/142960)

[30] US (13/433,101) 2012-03-28

[11] **2,867,345**
[13] C

[51] **Int.Cl. B29C 59/00 (2006.01) B29C 70/00 (2006.01)**

[25] EN

[54] **A METHOD OF CREATING A FRICTIONAL WASHING SURFACE**

[54] **PROCEDE DE CREATION D'UNE SURFACE DE LAVAGE PAR FROTTEMENT**

[72] NEWLAND, ASHLEY MARTIN, AU

[72] DOBSON, NICK, AU

[73] CALIBRE8 PTY LTD,

[85] 2014-09-15

[86] 2013-03-22 (PCT/AU2013/000285)

[87] (WO2013/142895)

[30] AU (2012901180) 2012-03-26

**Canadian Patents Issued
March 24, 2020**

[11] **2,867,485**
[13] C

[51] **Int.Cl. A61B 17/068 (2006.01)**
[25] EN
[54] **DEVICES FOR DISPENSING SURGICAL FASTENERS INTO TISSUE WHILE SIMULTANEOUSLY GENERATING EXTERNAL MARKS THAT MIRROR THE NUMBER AND LOCATION OF THE DISPENSED SURGICAL FASTENERS**

[54] **ELEMENTS PERMETTANT DE DISTRIBUER DES ELEMENTS DE FIXATION CHIRURGICAUX DANS UN TISSU TOUT EN GENERANT EN MEME TEMPS DES MARQUES EXTERNES QUI REFLETENT LE NOMBRE ET L'EMPLACEMENT DES ELEMENTS DE FIXATION CHIRURGICAUX DISTRIBUES**

[72] STRAEHNZ, JENS-PETER, DE
[72] SOULS, DOUG, US
[72] CARDINALE, MICHAEL, US
[72] AUER, BRIAN, US
[72] COHN, SIMON, US
[73] ETHICON, INC.,
[85] 2014-09-15
[86] 2013-03-13 (PCT/US2013/030644)
[87] (WO2013/138403)
[30] US (13/422,003) 2012-03-16

[11] **2,867,494**
[13] C

[51] **Int.Cl. C07D 273/02 (2006.01) A61K 31/395 (2006.01) A61P 31/04 (2006.01) C07D 291/08 (2006.01) C07D 498/04 (2006.01) C07D 498/18 (2006.01) C07D 515/06 (2006.01) C07D 515/18 (2006.01) C07D 515/22 (2006.01)**

[25] EN
[54] **CONFORMATIONALLY CONSTRAINED, FULLY SYNTHETIC MACROCYCLIC COMPOUNDS**

[54] **COMPOSES MACROCYCLIQUES ENTIEREMENT SYNTHETIQUES ET A CONFORMATION CONTRAINTE**

[72] OBRECHT, DANIEL, CH
[72] ERMERT, PHILIPP, CH
[72] OUMOUC, SAID, FR
[72] PIETTRE, ARNAUD, FR
[72] GOSALBES, JEAN-FRANCOIS, FR
[72] THOMMEN, MARC, CH
[73] POLYPHOR AG,
[85] 2014-09-16
[86] 2013-03-15 (PCT/EP2013/055368)
[87] (WO2013/139697)
[30] EP (12001830.4) 2012-03-17

[11] **2,867,583**
[13] C

[51] **Int.Cl. E21B 49/00 (2006.01) E21B 44/00 (2006.01) E21B 47/00 (2012.01)**

[25] EN
[54] **FRACTURING METHOD FOR FRACTURING INTERVALS OF A HORIZONTAL DRILLING ZONE IN A SWEET SPOT RANGE BASED ON MEASUREMENTS OF RESISTIVITY AND NEUTRON LOGGING DATA IN THE HORIZONTAL DRILLING ZONE**

[54] **METHODE DE FRACTURATION DESTINEE AUX INTERVALLES DE FRACTURATION D'UNE ZONE DE FORAGE HORIZONTAL DANS UNE PLAGE DE ZONE IDEALE FONDEE SUR LES MESURES DE RESISTIVITE ET LES DONNEES DE DIAGNOSTIC A NEUTRONS DANS LA ZONE DE FORAGE HORIZONTAL**

[72] HWANG, SE-HO, KR
[72] SHIN, JE-HYUN, KR
[72] JANG, SEONG HYUNG, KR
[73] KOREA INSTITUTE OF GEOSCIENCE AND MINERAL RESOURCES (KIGAM),
[86] (2867583)
[87] (2867583)
[22] 2014-10-14
[30] KR (KR10-2013-0122310) 2013-10-15
[30] KR (KR10-2013-0122311) 2013-10-15

[11] **2,867,607**
[13] C

[51] **Int.Cl. F24H 9/20 (2006.01) F24H 1/20 (2006.01) F24H 9/18 (2006.01)**

[25] EN
[54] **ELECTRICAL WATER HEATER WITH A DUAL RESISTIVE HEATING ELEMENT AND A CONTROL METHOD FOR ENERGY MANAGEMENT**

[54] **CHAUFFE-EAU ELECTRIQUE DOTE D'UN ELEMENT CHAUFFANT A DOUBLE RESISTANCE ET D'UN MODE DE COMMANDE DE GESTION D'ENERGIE**

[72] LESAGE, CLAUDE, CA
[72] LESAGE, JEAN-CLAUDE, CA
[73] MICLAU-S.R.I. INC.,
[86] (2867607)
[87] (2867607)
[22] 2014-10-17

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,867,840**
[13] C

[51] **Int.Cl. B60Q 3/208 (2017.01) B32B 17/10 (2006.01) E06B 3/66 (2006.01) F21V 8/00 (2006.01) G02B 6/00 (2006.01)**

[25] FR

[54] **ILLUMINATED GLAZING FOR VEHICLE**

[54] **VITRAGE ECLAIRANT POUR VEHICULE**

[72] VERRAT, ADELE, FR

[72] BAUERLE, PASCAL, FR

[73] SAINT-GOBAIN GLASS FRANCE,

[85] 2014-09-18

[86] 2013-03-26 (PCT/FR2013/050649)

[87] (WO2013/153303)

[30] FR (1253254) 2012-04-10

[11] **2,867,969**
[13] C

[51] **Int.Cl. A61M 1/00 (2006.01) F04B 49/06 (2006.01)**

[25] EN

[54] **CONTROLLING OPERATION OF A REDUCED PRESSURE THERAPY SYSTEM BASED ON DYNAMIC DUTY CYCLE THRESHOLD DETERMINATION**

[54] **COMMANDE DU FONCTIONNEMENT D'UN SYSTEME DE THERAPIE A PRESSION REDUITE SELON UNE DETERMINATION DE SEUIL DE CYCLE DE SERVICE DYNAMIQUE**

[72] ASKEM, BEN ALAN, GB

[73] SMITH & NEPHEW PLC,

[85] 2014-09-19

[86] 2013-03-13 (PCT/IB2013/000866)

[87] (WO2013/140255)

[30] US (61/613,456) 2012-03-20

[11] **2,867,982**
[13] C

[51] **Int.Cl. B23C 1/04 (2006.01) B23Q 1/26 (2006.01)**

[25] EN

[54] **MILLING MACHINE**

[54] **FRAISEUSE**

[72] ESTANCONA ERCILLA, JOSE ANTONIO, ES

[73] GEPRO SYSTEMS, S.L.,

[85] 2014-09-19

[86] 2013-03-05 (PCT/ES2013/070133)

[87] (WO2013/140005)

[30] ES (P201230414) 2012-03-20

[11] **2,868,040**
[13] C

[51] **Int.Cl. B23C 3/02 (2006.01) B23C 5/10 (2006.01)**

[25] EN

[54] **MILLING AND BORING TOOL**

[54] **OUTIL DE FRAISAGE ET D'ALEPAGE**

[72] KRENZER, ULRICH, DE

[73] MAPAL FABRIK FUR PRAZISIONSWERKZEUGE DR. KRESS KG,

[85] 2014-09-22

[86] 2013-03-20 (PCT/EP2013/055797)

[87] (WO2013/139844)

[30] DE (10 2012 006 087.4) 2012-03-21

[30] DE (10 2012 009 328.4) 2012-05-09

[11] **2,868,163**
[13] C

[51] **Int.Cl. G01B 21/24 (2006.01) B23Q 17/22 (2006.01) G01B 5/008 (2006.01) G01B 5/25 (2006.01)**

[25] EN

[54] **METHOD FOR MEASURING A ROTARY AXIS OF A MACHINE TOOL SYSTEM**

[54] **PROCEDE POUR MESURER UN AXE DE ROTATION D'UN SYSTEME DE MACHINE-OUTIL**

[72] GRAY, PAUL J., US

[73] HURCO COMPANIES, INC.,

[85] 2014-09-22

[86] 2013-03-20 (PCT/US2013/033092)

[87] (WO2013/142570)

[30] US (13/425,026) 2012-03-20

[11] **2,868,279**
[13] C

[51] **Int.Cl. C09K 8/10 (2006.01) E21B 43/22 (2006.01)**

[25] EN

[54] **FLUIDS AND METHODS INCLUDING NANOCELLULOSE**

[54] **FLUIDES ET PROCEDES COMPRENANT UNE NANOCELLULOSE**

[72] LAFITTE, VALERIE, US

[72] LEE, JESSE C., US

[72] ALI, SYED A., US

[72] SULLIVAN, PHILIP F., US

[73] SCHLUMBERGER CANADA LIMITED,

[85] 2014-09-22

[86] 2013-04-05 (PCT/US2013/035372)

[87] (WO2013/154926)

[30] US (61/624,038) 2012-04-13

[30] US (13/834,841) 2013-03-15

[11] **2,868,294**
[13] C

[51] **Int.Cl. H04N 5/33 (2006.01) C01G 9/08 (2006.01) C04B 35/638 (2006.01) C04B 35/64 (2006.01) C04B 35/645 (2006.01) G02B 1/00 (2006.01) G02B 1/02 (2006.01)**

[25] EN

[54] **POLYCRYSTALLINE CHALCOGENIDE CERAMIC MATERIAL**

[54] **MATERIAU CERAMIQUE EN CHALCOGENURE POLYCRISTALLIN**

[72] ROZENBURG, KEITH GREGORY, US

[72] URRUTI, ERIC HECTOR, US

[73] SCHOTT CORPORATION,

[85] 2014-09-23

[86] 2013-04-15 (PCT/US2013/036618)

[87] (WO2014/011295)

[30] US (13/447,921) 2012-04-16

[11] **2,868,523**
[13] C

[51] **Int.Cl. F16H 57/08 (2006.01)**

[25] EN

[54] **GEARBOX AND SUPPORT APPARATUS FOR GEARBOX CARRIER**

[54] **BOITE DE VITESSES ET APPAREIL DE SUPPORT POUR PORTEUR DE BOITE DE VITESSES**

[72] VAN DER MERWE, GERT, US

[72] HALLMAN, DARREN, US

[72] BUYUKISIK, OSMAN, US

[72] BRADLEY, DONALD, US

[72] ANTELO, RANDY, US

[73] GENERAL ELECTRIC COMPANY,

[85] 2014-09-25

[86] 2013-04-10 (PCT/US2013/035989)

[87] (WO2014/018131)

[30] US (61/622,592) 2012-04-11

[30] US (61/666,532) 2012-06-29

[30] US (13/835,687) 2013-03-15

[11] **2,868,571**
[13] C

[51] **Int.Cl. E05C 1/08 (2006.01)**

[25] EN

[54] **DOOR LATCH**

[54] **VERROU DE PORTE**

[72] ATTARD, JOSEPH, CA

[73] ATTARD, JOSEPH,

[86] (2868571)

[87] (2868571)

[22] 2014-10-28

**Canadian Patents Issued
March 24, 2020**

[11] **2,868,667**
[13] C

[51] **Int.Cl. C08K 3/04 (2006.01) C08K 13/00 (2006.01)**
[25] EN
[54] **MERCAPTOSILANE-CARBON BLACK BLEND**
[54] **MELANGE DE MERCAPTOSILANE ET CHARBON NOIR**
[72] BLUME, ANKE, DE
[72] KLOCKMANN, OLIVER, DE
[73] EVONIK OPERATIONS GMBH,
[85] 2014-09-26
[86] 2013-03-11 (PCT/EP2013/054847)
[87] (WO2013/149790)
[30] DE (10 2012 205 642.4) 2012-04-05

[11] **2,868,792**
[13] C

[51] **Int.Cl. F24C 5/00 (2006.01) F24C 7/00 (2006.01) G08B 21/24 (2006.01)**
[25] EN
[54] **RANGE AND NOTIFICATION SYSTEM, AND ASSOCIATED METHOD**
[54] **SYSTEME DE CUISINIERE ET DE NOTIFICATION ET PROCEDE ASSOCIE**
[72] TOWNSEND, RANDOLPH G., US
[73] TOWNSEND, RANDOLPH G.,
[85] 2014-09-26
[86] 2013-03-20 (PCT/US2013/033102)
[87] (WO2013/148430)
[30] US (13/432,171) 2012-03-28

[11] **2,868,935**
[13] C

[51] **Int.Cl. C08J 9/30 (2006.01) A01G 13/02 (2006.01) B29C 67/20 (2006.01) C09K 3/32 (2006.01) C09K 17/52 (2006.01) D21F 11/00 (2006.01) D21J 1/06 (2006.01) D21J 1/20 (2006.01)**
[25] EN
[54] **PEAT MOSS STRUCTURES**
[54] **STRUCTURES DE TOURBE**
[72] IMMONEN, KIRSI, FI
[72] KINNUNEN, KARITA, FI
[72] LEHMONEN, JANI, FI
[72] HJELT, TUOMO, FI
[72] ERKKILA, ARI, FI
[73] TEKNOLOGIAN TUTKIMUSKESKUS VTT OY,
[85] 2014-09-29
[86] 2013-03-27 (PCT/FI2013/050342)
[87] (WO2013/144449)
[30] FI (20125353) 2012-03-28

[11] **2,868,993**
[13] C

[51] **Int.Cl. F24B 1/02 (2006.01) F23B 40/00 (2006.01) F24B 1/08 (2006.01) F24B 13/00 (2006.01)**
[25] EN
[54] **WALL MOUNTED PELLET STOVE**
[54] **POELE A GRANULES MONTE SUR UN MUR**
[72] JONES, AUGUST S.L., US
[73] UNITED STATES STOVE COMPANY,
[85] 2014-09-29
[86] 2013-03-07 (PCT/US2013/029732)
[87] (WO2013/148106)
[30] US (61/618,139) 2012-03-30

[11] **2,869,035**
[13] C

[51] **Int.Cl. G02C 11/02 (2006.01) G02C 5/14 (2006.01)**
[25] FR
[54] **EYEGLASS FRAME WITH DECORATIVE PIECE**
[54] **MONTURE DE LUNETTES AVEC PIECE DECORATIVE**
[72] GARDAZ, FRANCOIS, CN
[73] KILLINE OPTICAL LTD,
[85] 2014-09-29
[86] 2013-04-15 (PCT/IB2013/001059)
[87] (WO2013/156857)
[30] FR (12/53598) 2012-04-19

[11] **2,869,275**
[13] C

[51] **Int.Cl. F01D 25/16 (2006.01) F02C 7/32 (2006.01) F02C 7/36 (2006.01)**
[25] FR
[54] **POWER TRANSMISSION SYSTEM FOR A TURBOMACHINE**
[54] **SYSTEME DE TRANSMISSION DE PUISSANCE POUR UNE TURBOMACHINE**
[72] PETTINOTTI, SERGE DOMINIQUE, FR
[72] ABOUSLEIMAN, VINCENT, FR
[72] BOURGET, SEBASTIEN, FR
[73] SNECMA,
[73] HISPANO-SUIZA,
[85] 2014-10-01
[86] 2013-03-29 (PCT/FR2013/050715)
[87] (WO2013/150229)
[30] FR (1253241) 2012-04-06

[11] **2,869,303**
[13] C

[51] **Int.Cl. C11C 3/00 (2006.01) B01F 17/00 (2006.01) B01F 17/18 (2006.01) C07C 51/347 (2006.01) C07C 51/353 (2006.01) C07C 51/41 (2006.01) C07C 57/13 (2006.01) C07C 61/35 (2006.01) C07C 209/68 (2006.01) C07C 213/06 (2006.01) C07C 219/08 (2006.01) C07C 219/12 (2006.01) C09D 11/00 (2014.01) C09D 11/06 (2006.01)**
[25] EN
[54] **NATURAL OIL BASED GELS, APPLICATIONS AND METHODS OF PREPARATION**
[54] **GELS A BASE D'HUILE NATURELLE, APPLICATIONS ET PROCEDES DE PREPARATION**
[72] TANNER, JAMES T., US
[73] ETHOX CHEMICALS, LLC,
[85] 2014-08-25
[86] 2013-02-25 (PCT/US2013/027698)
[87] (WO2013/126916)
[30] US (61/603,253) 2012-02-25
[30] US (13/776,542) 2013-02-25

[11] **2,869,390**
[13] C

[51] **Int.Cl. C08F 236/04 (2006.01) B60C 1/00 (2006.01) C08F 236/22 (2006.01) C08K 3/04 (2006.01) C08K 3/36 (2006.01) C08L 7/00 (2006.01) C08L 9/00 (2006.01)**
[25] EN
[54] **RUBBER COMPOSITION COMPRISING COPOLYMER AND TIRE PRODUCED THEREFROM**
[54] **COMPOSITION DE CAOUTCHOUC RENFERMANT UN COPOLYMER ET PNEU PRODUIT DE LADITE COMPOSITION**
[72] KODA, DAISUKE, JP
[72] HIRATA, KEI, JP
[73] KURARAY CO., LTD.,
[73] AMYRIS, INC.,
[85] 2014-10-02
[86] 2013-04-02 (PCT/JP2013/060127)
[87] (WO2013/151068)
[30] JP (2012-085928) 2012-04-04

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,869,393**
[13] C

[51] **Int.Cl. C08F 236/08 (2006.01) B60C 1/00 (2006.01) C08K 3/04 (2006.01) C08K 3/36 (2006.01) C08L 7/00 (2006.01) C08L 9/00 (2006.01) C08L 47/00 (2006.01)**

[25] EN

[54] **RUBBER COMPOSITION COMPRISING ISOPRENE-FARNESENE COPOLYMER AND TIRE PRODUCED THEREFROM**

[54] **COMPOSITION DE CAOUTCHOUC RENFERMANT UN COPOLYMER ISOPRENE-FARNESENE ETPNEU PRODUIT DE LADITE COMPOSITION**

[72] KODA, DAISUKE, JP
[72] HIRATA, KEI, JP
[73] KURARAY CO., LTD.,
[73] AMYRIS, INC.,
[85] 2014-10-02
[86] 2013-04-02 (PCT/JP2013/060128)
[87] (WO2013/151069)
[30] JP (2012-085929) 2012-04-04

[11] **2,869,750**
[13] C

[51] **Int.Cl. G01B 9/02 (2006.01)**

[25] EN

[54] **MULTI-SPEED OCT SWEPT SOURCE WITH OPTIMIZED K-CLOCK**

[54] **SOURCE BALAYEE MULTI-VITESSE POUR OCT AVEC HORLOGE NON UNIFORME OPTIMISEE**

[72] JOHNSON, BARTLEY C., US
[72] GOLDBERG, BRIAN, US
[72] FLANDERS, DALE C., US
[73] AXSUN TECHNOLOGIES, INC.,
[85] 2014-10-06
[86] 2013-04-08 (PCT/US2013/035544)
[87] (WO2013/154953)
[30] US (61/623,396) 2012-04-12
[30] US (13/650,665) 2012-10-12

[11] **2,869,765**
[13] C

[51] **Int.Cl. B65D 21/02 (2006.01) B65D 71/50 (2006.01)**

[25] EN

[54] **PACKAGING FOR MULTIPLE MEDICAL CONTAINERS**

[54] **EMBALLAGE POUR MULTIPLES RECIPIENTS MEDICAUX**

[72] OESTERLE, THOMAS, US
[72] ZAKARIJA, LILLIAN G., US
[72] KANUGA, CHINMAY, US
[73] BAXALTA GMBH,
[73] BAXALTA INCORPORATED,
[85] 2014-10-06
[86] 2013-04-17 (PCT/US2013/036879)
[87] (WO2013/162959)
[30] US (13/456,341) 2012-04-26

[11] **2,870,083**
[13] C

[51] **Int.Cl. B65D 25/00 (2006.01)**

[25] EN

[54] **CONTAINER FOR FOOD ITEMS**

[54] **CONTENANT A ALIMENTS**

[72] PARIKH, SAMIR R., CA
[72] BRUMMER, DOUG, CA
[73] GIVE AND GO PREPARED FOODS CORP.,
[73] GIVE AND GO PREPARED FOODS CORP.,
[86] (2870083)
[87] (2870083)
[22] 2012-05-04
[62] 2,776,018
[30] US (61/482,376) 2011-05-04

[11] **2,870,190**
[13] C

[51] **Int.Cl. F16C 35/063 (2006.01) F16C 13/00 (2006.01)**

[25] EN

[54] **DEVICE FOR STRIP GUIDANCE IN A HOT MEDIUM (I)**

[54] **DISPOSITIF DE GUIDAGE DE BANDE DANS UN MILIEU CHAUD (I)**

[72] BLUMENAU, MARC, DE
[72] EISNER, FRANK, DE
[72] GUSEK, CHRISTOPHER, DE
[72] JINDRA, FRED, DE
[72] SCHONENBERG, RUDOLF, US
[72] WILLEKE, BERT-REINER, DE
[72] DENNER, TOBIAS, DE
[72] KLATT, CHRISTIAN, DE
[72] WEMHONER, JENS, DE
[73] THYSSENKRUPP STEEL EUROPE AG,
[85] 2014-10-10
[86] 2013-04-11 (PCT/DE2013/100135)
[87] (WO2013/152764)
[30] DE (10 2012 103 132.0) 2012-04-12

[11] **2,870,278**
[13] C

[51] **Int.Cl. F24C 15/20 (2006.01) B08B 15/00 (2006.01)**

[25] EN

[54] **DOWNDRAFT SYSTEM**

[54] **SYSTEME DE COURANT DESCENDANT**

[72] SINUR, RICHARD R., US
[72] WELLNITZ, BRIAN R., US
[72] PERKINS, JAY F., US
[72] MONTAG, SEAN D., US
[73] BROAN-NUTONE LLC,
[86] (2870278)
[87] (2870278)
[22] 2014-11-06

**Canadian Patents Issued
March 24, 2020**

[11] **2,870,507**
[13] C

[51] **Int.Cl. B65D 81/32 (2006.01) A47J 31/06 (2006.01) A47J 31/36 (2006.01) B65D 85/804 (2006.01)**

[25] EN

[54] **CAPSULE AND DISPENSING MACHINE FOR BEVERAGES**

[54] **CAPSULE ET MACHINE DE DISTRIBUTION POUR BOISSONS**

[72] BARTOLI, ANDREA, IT

[72] CAPITINI, DAVIDE, IT

[73] SARONG SOCIETA' PER AZIONI,

[85] 2014-10-15

[86] 2013-04-16 (PCT/IB2013/053018)

[87] (WO2013/156932)

[30] IT (MO2012A000095) 2012-04-17

[30] IT (MO2012A000096) 2012-04-17

[11] **2,870,795**
[13] C

[51] **Int.Cl. C08C 19/02 (2006.01) C08F 4/54 (2006.01) C08L 15/00 (2006.01)**

[25] EN

[54] **HYDROGENATION OF NITRILE RUBBER**

[54] **HYDROGENATION DE CAOUTCHOUC NITRILE**

[72] LIU, QINGCHUN, CN

[72] WEI, ZHENLI, CN

[72] HOCH, MARTIN, CN

[73] ARLANXEO DEUTSCHLAND GMBH,

[85] 2014-10-17

[86] 2013-04-26 (PCT/EP2013/058802)

[87] (WO2013/160470)

[30] CN (PCT/CN2012/074935) 2012-04-28

[11] **2,871,026**
[13] C

[51] **Int.Cl. B65D 75/30 (2006.01)**

[25] EN

[54] **COLD SEAL PRODUCT PACKAGING CONTAINER**

[54] **RECIPIENT DE CONDITIONNEMENT DE PRODUIT DE SCELLAGE A FROID**

[72] MIKULA, SHANE, US

[72] BURLESS, SCOTT, US

[73] GEORGIA-PACIFIC CORRUGATED IV LLC,

[85] 2014-10-20

[86] 2013-04-22 (PCT/US2013/037628)

[87] (WO2013/159104)

[30] US (61/636,226) 2012-04-20

[30] US (61/636,233) 2012-04-20

[30] US (61/636,210) 2012-04-20

[30] US (61/662,184) 2012-06-20

[30] US (13/692,728) 2012-12-03

[30] US (13/729,254) 2012-12-28

[11] **2,871,169**
[13] C

[51] **Int.Cl. B60M 7/00 (2006.01) B60L 53/12 (2019.01)**

[25] EN

[54] **ARRANGEMENT AND METHOD FOR PROVIDING A VEHICLE WITH ELECTRIC ENERGY BY MAGNETIC INDUCTION**

[54] **AGENCEMENT ET PROCEDE POUR ALIMENTER UN VEHICULE EN ENERGIE ELECTRIQUE PAR INDUCTION MAGNETIQUE**

[72] CZAINSKI, ROBERT, PL

[72] WORONOWICZ, KONRAD, CA

[73] BOMBARDIER TRANSPORTATION GMBH,

[85] 2014-10-22

[86] 2013-04-23 (PCT/EP2013/058387)

[87] (WO2013/160299)

[30] GB (1207144.5) 2012-04-23

[11] **2,871,299**
[13] C

[51] **Int.Cl. E21B 19/20 (2006.01) E21B 19/16 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD IN RESPECT OF A DRILL RIG**

[54] **DISPOSITIF ET METHODE RELATIFS A UN APPAREIL DE FORAGE**

[72] TENGLIDEN, PER, SE

[72] LINDBERG, JOHAN, SE

[73] EPIROC AKTIEBOLAG,

[85] 2014-10-22

[86] 2013-05-23 (PCT/SE2013/050593)

[87] (WO2013/176618)

[30] SE (1250531-9) 2012-05-25

[11] **2,871,555**
[13] C

[51] **Int.Cl. D21H 21/16 (2006.01) D21F 11/00 (2006.01) D21H 21/24 (2006.01) B32B 29/02 (2006.01) D21H 11/18 (2006.01) D21H 21/56 (2006.01)**

[25] EN

[54] **HYDROPHOBICALLY SIZED FIBROUS WEB AND A METHOD FOR THE PREPARATION OF A SIZED WEB LAYER**

[54] **NAPPE FIBREUSE COLLEE DE MANIERE HYDROPHOBE ET PROCEDE DE PREPARATION D'UNE COUCHE DE NAPPE COLLEE**

[72] KINNUNEN, KARITA, FI

[72] HJELT, TUOMO, FI

[72] HEISKANEN, ISTO, FI

[73] STORA ENSO OYJ,

[85] 2014-10-24

[86] 2013-04-25 (PCT/FI2013/050471)

[87] (WO2013/160564)

[30] FI (20125463) 2012-04-26

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,871,633**
[13] C

[51] **Int.Cl. C11D 3/26 (2006.01) C09D 9/04 (2006.01) C11D 1/83 (2006.01) C11D 3/18 (2006.01)**

[25] EN

[54] **AQUEOUS HARD SURFACE CLEANERS BASED ON TERPENES AND FATTY ACID DERIVATIVES**

[54] **PRODUITS DE NETTOYAGE DE SURFACES DURES AQUEUX A BASE DE TERPENES ET DE DERIVES D'ACIDE GRAS**

[72] BROWN, AARON, US

[72] GORMAN, WILMA, US

[72] MASTERS, RONALD A., US

[73] STEPAN COMPANY,

[85] 2014-10-21

[86] 2013-04-12 (PCT/US2013/036470)

[87] (WO2013/162926)

[30] US (61/637,593) 2012-04-24

[11] **2,871,893**
[13] C

[51] **Int.Cl. C09K 8/32 (2006.01) C08G 18/10 (2006.01) C08G 18/34 (2006.01) C09K 8/34 (2006.01)**

[25] EN

[54] **RHEOLOGY MODIFIERS**

[54] **MODIFICATEURS DE RHEOLOGIE**

[72] HARRIS, JEFFERY R., US

[72] BYERS, JIM D., US

[73] CHEVRON PHILLIPS CHEMICAL COMPANY LP,

[85] 2014-10-28

[86] 2013-04-22 (PCT/US2013/037598)

[87] (WO2013/165728)

[30] US (13/459,677) 2012-04-30

[11] **2,872,618**
[13] C

[51] **Int.Cl. A61G 7/10 (2006.01) A61G 7/05 (2006.01)**

[25] EN

[54] **APPARATUS FOR MOVING A LIMB OF A BEDRIDDEN PERSON**

[54] **APPAREIL DESTINE A DEPLACER UN MEMBRE D'UNE PERSONNE ALITEE**

[72] OSIKA, MICHAEL P., US

[73] OSIKA, MICHAEL P.,

[85] 2014-11-04

[86] 2013-05-17 (PCT/US2013/041678)

[87] (WO2013/173775)

[30] US (13/474,802) 2012-05-18

[11] **2,872,929**
[13] C

[51] **Int.Cl. E06B 3/26 (2006.01) E05F 17/00 (2006.01)**

[25] EN

[54] **INSULATED WINDOW ASSEMBLY**

[54] **ENSEMBLE FENETRE ISOLEE**

[72] MORTON, PHILIP G., US

[72] MORTON, JONATHAN G., US

[73] DECEUNINCK NORTH AMERICA, LLC,

[73] DECEUNINCK NV,

[85] 2014-11-06

[86] 2013-05-14 (PCT/EP2013/059950)

[87] (WO2013/171218)

[30] US (13/472,275) 2012-05-15

[11] **2,873,239**
[13] C

[51] **Int.Cl. A62C 3/02 (2006.01) A62C 2/00 (2006.01) A62C 3/00 (2006.01)**

[25] EN

[54] **FIRE SUPPRESSION COMPOSITIONS AND METHODS OF TREATING SUBTERRANEAN FIRES**

[54] **COMPOSITIONS DE SUPPRESSION D'INCENDIES ET DE PROCEDES DE TRAITEMENT D'INCENDIES SOUTERRAINS**

[72] SINUNU, STEPHEN A., US

[73] ENVIRONX SOLUTIONS, INC.,

[85] 2014-11-10

[86] 2013-04-24 (PCT/US2013/038061)

[87] (WO2013/169489)

[30] US (61/645,852) 2012-05-11

[30] US (13/794,250) 2013-03-11

[11] **2,873,610**
[13] C

[51] **Int.Cl. H01J 49/00 (2006.01)**

[25] EN

[54] **METHOD OF IDENTIFYING PRECURSOR IONS**

[54] **PROCEDE D'IDENTIFICATION D'IONS PRECURSEURS**

[72] WILDGOOSE, JASON LEE, GB

[73] MICROMASS UK LIMITED,

[85] 2014-11-14

[86] 2013-05-09 (PCT/GB2013/051199)

[87] (WO2013/171459)

[30] GB (1208961.1) 2012-05-18

[30] US (61/649,998) 2012-05-22

[11] **2,873,735**
[13] C

[51] **Int.Cl. B60R 21/04 (2006.01) B60R 21/045 (2006.01)**

[25] EN

[54] **PASSIVE KNEE BOLSTER**

[54] **COUSSIN PROTEGE-GENOU PASSIF**

[72] ROYCHOUDHURY, RAJ, US

[73] ABC GROUP INC.,

[85] 2014-11-14

[86] 2013-05-14 (PCT/US2013/040837)

[87] (WO2013/173262)

[30] US (61/646,919) 2012-05-15

[11] **2,873,856**
[13] C

[51] **Int.Cl. A61B 34/10 (2016.01) A61C 7/00 (2006.01)**

[25] EN

[54] **METHOD OF SURGICAL PLANNING**

[54] **PROCEDE DE PLANIFICATION CHIRURGICALE**

[72] DAVISON, ANDREW CHARLES, US

[73] DEPUY SYNTHES PRODUCTS, INC.,

[85] 2014-11-17

[86] 2013-03-07 (PCT/US2013/029564)

[87] (WO2013/172919)

[30] US (61/648,226) 2012-05-17

[11] **2,873,915**
[13] C

[51] **Int.Cl. C09K 8/584 (2006.01) E21B 43/22 (2006.01)**

[25] EN

[54] **METHOD OF RECOVERING OIL FROM A SUBTERRANEAN FORMATION**

[54] **PROCEDE DE RECUPERATION DE PETROLE A PARTIR D'UNE FORMATION SOUTERRAINE**

[72] SANTA, MONIKA, DE

[72] BEHLER, ANSGAR, DE

[72] KOELEN VAN DER, THOMAS, DE

[73] BASF SE,

[85] 2014-11-18

[86] 2013-06-06 (PCT/EP2013/061654)

[87] (WO2013/186110)

[30] EP (12171428.1) 2012-06-11

**Canadian Patents Issued
March 24, 2020**

[11] **2,873,948**
[13] C

[51] **Int.Cl. E04B 1/12 (2006.01) E04B 2/18 (2006.01) E04B 5/02 (2006.01) E04C 2/20 (2006.01) E04C 3/28 (2006.01) E04H 1/00 (2006.01)**

[25] EN

[54] **COMPOSITE CONSTRUCTION ELEMENTS FOR BUILDING OF MULTI-STORY MODULAR CONSTRUCTIONS**

[54] **ELEMENTS DE CONSTRUCTION COMPOSITES POUR CONSTRUCTION DE CONSTRUCTIONS MODULAIRES A ETAGES MULTIPLES**

[72] CETINDAG, SEDAT, TR

[73] RENCO WORLD CORPORATION,

[85] 2014-11-17

[86] 2013-01-15 (PCT/EP2013/050657)

[87] (WO2014/040757)

[30] TR (2012/10560) 2012-09-14

[11] ***2,874,181**
[13] C

[51] **Int.Cl. G06F 9/30 (2018.01) G06F 12/00 (2006.01)**

[25] EN

[54] **CONSTRAINED TRANSACTION EXECUTION**

[54] **EXECUTION DE TRANSACTIONS CONTRAINTES**

[72] GREINER, DAN, US

[72] SLEGEL, TIMOTHY, US

[72] JACOBI, CHRISTIAN, US

[73] INTERNATIONAL BUSINESS MACHINES CORPORATION,

[85] 2014-11-20

[86] 2012-11-26 (PCT/IB2012/056734)

[87] (WO2013/186604)

[30] US (13/524,788) 2012-06-15

[11] **2,874,209**
[13] C

[51] **Int.Cl. A01B 59/06 (2006.01) A01D 34/66 (2006.01)**

[25] FR

[54] **IMPROVED COUPLING DEVICE AND AGRICULTURAL MACHINE COMPRISING SUCH A DEVICE**

[54] **DISPOSITIF D'ACCOUPLLEMENT PERFECTIONNE ET MACHINE AGRICOLE COMPORTANT UN TEL DISPOSITIF**

[72] HALTER, CEDRIC, FR

[72] WILHELM, JOEL, FR

[73] KUHN S.A.,

[85] 2014-11-20

[86] 2013-06-05 (PCT/FR2013/051275)

[87] (WO2014/001671)

[30] FR (1255985) 2012-06-25

[11] **2,874,285**
[13] C

[51] **Int.Cl. C08B 15/06 (2006.01) C08B 31/00 (2006.01) C08G 18/64 (2006.01) C08G 18/76 (2006.01) D06M 13/395 (2006.01)**

[25] EN

[54] **PROCESS FOR PREPARING DERIVATIZED POLYSACCHARIDES**

[54] **PROCEDE DE PREPARATION DE POLYSACCHARIDES DERIVATISES**

[72] PHANOPOULOS, CHRISTOPHER, BE

[72] HOLVOET, SERVAAS, BE

[72] VARDARELI, TUGBA, BE

[72] DIAMANTI, STEVE, US

[73] HUNTSMAN INTERNATIONAL LLC,

[85] 2014-11-20

[86] 2013-06-05 (PCT/EP2013/061543)

[87] (WO2014/005779)

[30] EP (12175126.7) 2012-07-05

[11] **2,874,342**
[13] C

[51] **Int.Cl. F24F 13/14 (2006.01) F16K 1/22 (2006.01) F16K 35/02 (2006.01)**

[25] EN

[54] **ADJUSTABLE REGULATOR AND LOCK DEVICE FOR DUCTWORK DAMPER**

[54] **REGULATEUR REGLABLE ET DISPOSITIF DE VERROUILLAGE POUR REGISTRE DE TUYAUTERIE**

[72] YOSKOWITZ, DAVID, US

[73] CAPITAL HARDWARE SUPPLY, LLC,

[85] 2014-11-20

[86] 2013-05-21 (PCT/US2013/042027)

[87] (WO2013/177166)

[30] US (61/649,812) 2012-05-21

[11] **2,874,794**
[13] C

[51] **Int.Cl. B41M 3/14 (2006.01) B42D 15/00 (2006.01)**

[25] EN

[54] **METHODS FOR PRINTING TACTILE SECURITY FEATURES**

[54] **PROCEDES D'IMPRESSION DE CARACTERISTIQUES DE SECURITE TACTILES**

[72] GARNIER, CHRISTOPHE, FR

[72] VUILLEUMIER, LUCIEN, CH

[72] DEGOTT, PIERRE, CH

[73] SICPA HOLDING SA,

[85] 2014-11-26

[86] 2013-04-16 (PCT/EP2013/057904)

[87] (WO2013/185950)

[30] EP (12171469.5) 2012-06-11

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,875,080**
[13] C

[51] **Int.Cl. C07C 229/50 (2006.01) A61K 31/215 (2006.01) A61K 31/265 (2006.01) A61K 31/357 (2006.01) A61K 31/365 (2006.01) C07C 237/04 (2006.01) C07C 237/20 (2006.01) C07C 237/22 (2006.01) C07C 271/24 (2006.01) C07C 323/60 (2006.01) C07D 207/16 (2006.01) C07D 307/88 (2006.01) C07D 317/40 (2006.01)**

[25] EN

[54] **PRODRUG OF FLUORINE-CONTAINING AMINO ACID PROMEDICAMENT D'ACIDE AMINE CONTENANT DU FLUOR**

[72] HASHIHAYATA, TAKASHI, JP
[72] OTAKE, NORIKAZU, JP
[72] MIYAKOSHI, NAOKI, JP
[72] SAKAGAMI, KAZUNARI, JP
[73] TAISHO PHARMACEUTICAL CO., LTD.,
[85] 2014-11-27
[86] 2013-05-31 (PCT/JP2013/065202)
[87] (WO2013/180271)
[30] JP (2012-126162) 2012-06-01
[30] JP (2013-052574) 2013-03-15

[11] **2,875,233**
[13] C

[51] **Int.Cl. B29C 33/08 (2006.01) B22D 17/22 (2006.01) B29C 33/06 (2006.01) B29C 45/73 (2006.01)**

[25] FR

[54] **METHOD AND DEVICE FOR PREHEATING A MOLD PARTICULARLY INTENDED FOR INJECTION MOLDING**

[54] **PROCEDE ET DISPOSITIF POUR LE PRECHAUFFAGE D'UN MOULE NOTAMMENT DE MOULAGE PAR INJECTION**

[72] FEIGENBLUM, JOSE, FR
[72] GUICHARD, ALEXANDRE, FR
[73] ROCTOOL,
[85] 2014-11-25
[86] 2013-06-18 (PCT/EP2013/062570)
[87] (WO2013/189907)
[30] FR (1255698) 2012-06-18
[30] FR (1350684) 2013-01-26

[11] **2,875,623**
[13] C

[51] **Int.Cl. E21B 17/01 (2006.01) F16L 11/00 (2006.01)**

[25] EN

[54] **A RISER AND AN OFFSHORE SYSTEM**

[54] **COLONNE MONTANTE ET SYSTEME EXTRACOTIER**

[72] GLEJBOL, KRISTIAN, DK
[72] NIELSEN, NIELS J. RISHOJ, DK
[73] NATIONAL OILWELL VARCO DENMARK I/S,
[85] 2014-12-03
[86] 2013-06-03 (PCT/DK2013/050168)
[87] (WO2013/182196)
[30] DK (PA 2012 70301) 2012-06-06

[11] **2,875,817**
[13] C

[51] **Int.Cl. E01B 9/30 (2006.01) E01B 9/68 (2006.01)**

[25] EN

[54] **RAILWAY RAIL FASTENING CLIP FOR RECESSED RAILSEATS**

[54] **PINCE DE FIXATION DE RAIL DE CHEMIN DE FER DESTINEE A DES APPUIS DE RAILENFONCES**

[72] GARDNER, CHRISTOPHER, GB
[72] COX, STEPHEN JOHN, GB
[73] PANDROL LIMITED,
[85] 2014-12-04
[86] 2013-04-23 (PCT/GB2013/051024)
[87] (WO2013/186520)
[30] GB (1210365.1) 2012-06-12

[11] **2,875,954**
[13] C

[51] **Int.Cl. A47J 37/06 (2006.01)**

[25] FR

[54] **COOKING APPLIANCE AND METHOD FOR IMPLEMENTING SAME**

[54] **APPAREIL DE CUISSON ET SON PROCEDE DE MISE EN OEUVRE**

[72] VOLATIER, SEBASTIEN, FR
[72] LECERF, JOEL, FR
[73] SEB SA,
[85] 2014-12-05
[86] 2013-06-12 (PCT/FR2013/051365)
[87] (WO2013/186487)
[30] FR (1255600) 2012-06-15

[11] **2,876,031**
[13] C

[51] **Int.Cl. B65D 75/66 (2006.01) B65D 85/10 (2006.01)**

[25] EN

[54] **TEAR TAPE FOR PRODUCT WRAPPER**

[54] **BANDELETTE D'ARRACHAGE POUR EMBALLAGE DE PRODUIT**

[72] TRITZ, FRANZ-JOSEF, DE
[73] JT INTERNATIONAL SA,
[85] 2014-12-08
[86] 2013-06-18 (PCT/EP2013/062651)
[87] (WO2013/189944)
[30] EP (12172406.6) 2012-06-18

[11] **2,876,081**
[13] C

[51] **Int.Cl. H01R 13/648 (2006.01) G06K 7/00 (2006.01)**

[25] EN

[54] **CONNECTOR FOR MEMORY CARD RESISTANT TO ELECTROSTATIC DISCHARGES**

[54] **CONNECTEUR DE CARTE A MEMOIRE RESISTANT AUX DECHARGES ELECTROSTATIQUES**

[72] PAVAGEAU, STEPHANE, FR
[72] GARY, DIDIER, FR
[73] INGENICO GROUP,
[85] 2014-12-09
[86] 2013-06-19 (PCT/EP2013/062791)
[87] (WO2013/190006)
[30] FR (1255750) 2012-06-19

**Canadian Patents Issued
March 24, 2020**

[11] **2,876,131**
[13] C

[51] **Int.Cl. G01S 19/03 (2010.01) G08G 1/01 (2006.01) G08G 1/017 (2006.01) H04B 7/005 (2006.01) H04K 3/00 (2006.01) H04N 5/232 (2006.01)**

[25] EN

[54] **GNSS JAMMER DETECTION SYSTEM WITH OPTICAL TRACKING AND IDENTIFICATION**

[54] **SYSTEME DE DETECTION DE BROUILLAGE INTENTIONNEL DE GEOLOCALISATION PAR SATELLITES COMPRENANT SUIVI OPTIQUE ET IDENTIFICATION**

[72] PETERSEN, WALTER D., CA
[72] SCHLEPPE, JOHN B., CA
[73] NOVATEL INC.,
[86] (2876131)
[87] (2876131)
[22] 2014-12-30
[30] US (14/148,851) 2014-01-07

[11] **2,876,171**
[13] C

[51] **Int.Cl. A61F 13/66 (2006.01) A41B 9/02 (2006.01) A61F 13/471 (2006.01) A61F 13/49 (2006.01) A61F 13/505 (2006.01)**

[25] EN

[54] **MEN'S BRIEFS WITH SEPARATE SPACE FOR PENIS COMPRISING REMOVABLE INCONTINENCE ABSORBENT RECEPTACLE**

[54] **SLIPS POUR HOMMES AVEC ESPACE SEPRE POUR LE PENIS COMPRENANT UN RECEPTACLE ABSORBANT AMOVIBLE POUR L'INCONTINENCE**

[72] DELIJA, FRANE, HR
[73] DELIJA, FRANE,
[85] 2014-12-09
[86] 2012-06-12 (PCT/HR2012/000014)
[87] (WO2013/186577)

[11] **2,876,567**
[13] C

[51] **Int.Cl. H04N 19/157 (2014.01) H04N 19/174 (2014.01) H04N 19/182 (2014.01) H04N 19/70 (2014.01) H04N 19/82 (2014.01) H04N 19/86 (2014.01)**

[25] EN

[54] **IMAGE CODING AND DECODING OF SLICE BOUNDARIES WHEREIN LOOP FILTERING OF TOP AND LEFT SLICE BOUNDARIES IS CONTROLLED BY A BOUNDARY CONTROL FLAG**

[54] **CODAGE D'IMAGE ET DECODAGE DE LIMITES DE TRANCHE OU LE FILTRAGE EN BOUCLE DES LIMITES DE TRANCHE DE DESSUS ET DE GAUCHE EST CONTROLE PAR UNE BALISE DE CONTROLE DE LIMITE**

[72] ESENLIK, SEMIH, DE
[72] NARROSCHKE, MATTHIAS, DE
[72] KAMP, STEFFEN, DE
[72] WEDI, THOMAS, DE
[73] SUN PATENT TRUST,
[85] 2014-12-12
[86] 2013-06-28 (PCT/JP2013/004035)
[87] (WO2014/006860)
[30] US (61/667,157) 2012-07-02

[11] **2,876,816**
[13] C

[51] **Int.Cl. C25B 13/04 (2006.01) H01M 8/1253 (2016.01) H01M 8/126 (2016.01) C04B 35/488 (2006.01)**

[25] EN

[54] **COMPOSITE ELECTROLYTE CONSISTING OF FULLY STABILIZED ZIRCONIA AND PARTIALLY STABILIZED ZIRCONIA**

[54] **ELECTROLYTE COMPOSITE CONSTITUE DE ZIRCONIE ENTIEREMENT STABILISEE ET DE ZIRCONIE PARTIELLEMENT STABILISEE**

[72] WU, ZHONGLIN, US
[72] MONZYK, COURTNEY J., US
[73] COBHAM MISSION SYSTEMS DAVENPORT LSS INC.,
[85] 2014-07-31
[86] 2013-02-01 (PCT/US2013/024428)
[87] (WO2013/116712)
[30] US (61/593,596) 2012-02-01

[11] **2,877,145**
[13] C

[51] **Int.Cl. C12N 15/29 (2006.01) C07K 14/415 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **POLYNUCLEOTIDES AND POLYPEPTIDES INVOLVED IN PLANT FIBER DEVELOPMENT AND METHODS OF USING SAME**

[54] **POLYNUCLEOTIDES ET POLYPEPTIDES IMPLIQUES DANS LE DEVELOPPEMENT DE LA FIBRE VEGETALE ET PROCEDES PERMETTANT DE LES UTILISER**

[72] RONEN, GIL, IL
[72] GOLD, EVGENIA, IL
[72] YELIN, RODRIGO, IL
[72] MEISSNER, RAFAEL, IL
[72] KARCHI, HAGAI, IL
[72] AYAL, SHARON, IL
[73] EVOGENE LTD.,
[86] (2877145)
[87] (2877145)
[22] 2005-06-14
[62] 2,570,195
[30] US (60/578,833) 2004-06-14

[11] **2,877,525**
[13] C

[51] **Int.Cl. A61K 9/28 (2006.01) A61K 9/50 (2006.01) A61K 31/522 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL OR NUTRACEUTICAL COMPOSITION WITH SUSTAINED RELEASE CHARACTERISTIC AND WITH RESISTANCE AGAINST THE INFLUENCE OF ETHANOL**

[54] **COMPOSITION PHARMACEUTIQUE OU NUTRACEUTIQUE PRESENTANT UNE CARACTERISTIQUE DE LIBERATION PROLONGEE ET PRESENTANT DE LA RESISTANCE VIS-A-VIS DE L'INFLUENCE DE L'ETHANOL**

[72] HAKSAR, PRIYANKA BANSILAL, IN
[72] JOSHI, SHRADDHA SANJEEV, IN
[72] SHAH, HARSH, IN
[72] PATIL, PREETI, IN
[72] SHETTY, SMITHA, IN
[73] EVONIK OPERATIONS GMBH,
[85] 2014-12-22
[86] 2012-10-18 (PCT/EP2012/070640)
[87] (WO2014/032742)
[30] IN (3532/CHE/2012) 2012-08-27

Brevets canadiens délivrés
24 mars 2020

[11] **2,878,098**
[13] C

[51] **Int.Cl. G06Q 10/06 (2012.01) E21C 47/00 (2006.01)**

[25] EN

[54] **POSITIONALLY BASED MULTIPLE HAUL MACHINE MANAGEMENT SYSTEM**

[54] **SYSTEME DE GESTION DE PLUSIEURS DEBARDEURS FONDE SUR LA POSITION**

[72] TAKEDA, KOJI, JP

[73] KOMATSU LTD.,

[85] 2014-05-30

[86] 2013-08-20 (PCT/JP2013/072225)

[87] (WO2015/025372)

[11] **2,878,297**
[13] C

[51] **Int.Cl. B65G 67/02 (2006.01) E01F 9/70 (2016.01) B60P 3/00 (2006.01) B60P 7/06 (2006.01) B66F 9/00 (2006.01)**

[25] FR

[54] **MECHANISM FOR MOVING ORANGE BARRELS USED TO DIRECT TRAFFIC DURING CONSTRUCTION**

[54] **MECANISME PERMETTANT DE MANIPULER DES BARILS ORANGE SERVANT A DIRIGER LA CIRCULATION ROUTIERE LORS DE TRAVAUX ROUTIERS**

[72] NADON, GILLES, CA

[73] NADON, GILLES,

[86] (2878297)

[87] (2878297)

[22] 2015-01-20

[11] **2,878,424**
[13] C

[51] **Int.Cl. C25C 3/08 (2006.01)**

[25] EN

[54] **SEAL ASSEMBLIES FOR CATHODE COLLECTOR BARS**

[54] **ENSEMBLES JOINTS POUR BARRES DE COLLECTEUR DE CATHODE**

[72] CARROLL, TONY G., US

[73] MID MOUNTAIN MATERIALS, INC.,

[85] 2015-01-06

[86] 2013-03-15 (PCT/US2013/032427)

[87] (WO2014/025409)

[30] US (61/681,560) 2012-08-09

[30] US (61/718,097) 2012-10-24

[11] **2,878,903**
[13] C

[51] **Int.Cl. F23B 90/00 (2011.01) C10L 5/00 (2006.01)**

[25] EN

[54] **METHOD FOR UTILIZING ALUMINUM AS FUEL**

[54] **PROCEDE POUR L'UTILISATION D'ALUMINIUM COMME COMBUSTIBLE**

[72] GOTO, TETSUYA, JP

[72] ARAKAWA, YOSHIHIRO, JP

[72] TAKAHASHI, SHUHEI, JP

[72] NAKANO, MASAKATSU, JP

[72] MATSUI, MAKOTO, JP

[73] JAPAN EXPERT CLONE CORP.,

[73] THE UNIVERSITY OF TOKYO,

[73] TOKYO METROPOLITAN UNIVERSITY, MUNICIPAL UNIVERSITY CORP,

[85] 2015-01-12

[86] 2013-03-08 (PCT/JP2013/056405)

[87] (WO2014/030368)

[30] JP (2012-183301) 2012-08-22

[11] **2,879,375**
[13] C

[51] **Int.Cl. C09D 11/00 (2014.01) G01K 11/14 (2006.01) H01F 1/00 (2006.01)**

[25] EN

[54] **CHEMICAL COMPOSITION SENSITIVE TO TEMPERATURE VARIATIONS AND METHOD OF PRODUCTION AND USE THEREOF**

[54] **COMPOSITION CHIMIQUE SENSIBLE A DES VARIATIONS DE TEMPERATURE ET PROCEDE DE FABRICATION ET D'UTILISATION DE CELLE-CI**

[72] MANDELLI, MARCO, IT

[73] MANDELLI, MARCO,

[85] 2015-01-15

[86] 2013-08-08 (PCT/IB2013/056493)

[87] (WO2014/024162)

[30] IT (VR2012A000168) 2012-08-10

[11] **2,879,516**
[13] C

[51] **Int.Cl. F23R 7/00 (2006.01) F02C 9/26 (2006.01)**

[25] FR

[54] **CVC COMBUSTION CHAMBER FOR AN AIRCRAFT TURBINE ENGINE INCLUDING INTAKE/EXHAUST VALVES WITH A SPHERICAL PLUG**

[54] **CHAMBRE DE COMBUSTION CVC POUR TURBOMACHINE D'AERONEF COMPRENANT UNE VALVE D'ADMISSION/D'ECHAPPEMENT A TOURNANT SPHERIQUE**

[72] ROBIC, BERNARD, FR

[73] SNECMA,

[85] 2015-01-19

[86] 2013-07-30 (PCT/FR2013/051832)

[87] (WO2014/020275)

[30] FR (12 57599) 2012-08-03

[11] **2,879,871**
[13] C

[51] **Int.Cl. F02C 6/16 (2006.01)**

[25] EN

[54] **COMPRESSED AIR ENERGY STORAGE SYSTEM HAVING VARIABLE GENERATION MODES**

[54] **SYSTEME DE STOCKAGE D'ENERGIE PAR AIR COMPRI ME MUNI DE MODES DE GENERATION VARIABLES**

[72] NAEVE, STEPHEN WARD, US

[73] DRESSER-RAND COMPANY,

[73] APEX COMPRESSED AIR ENERGY STORAGE, LLC,

[85] 2015-01-22

[86] 2013-07-18 (PCT/US2013/051093)

[87] (WO2014/022111)

[30] US (61/677,178) 2012-07-30

[30] US (13/941,200) 2013-07-12

Canadian Patents Issued
March 24, 2020

[11] **2,880,000**
[13] C
[51] **Int.Cl. A23C 9/152 (2006.01)**
[25] EN
[54] **NOVEL POWDERED MILK PRODUCT AND METHOD FOR PRODUCING THE SAME**
[54] **PRODUIT DE TYPE LAIT EN POUVRE ET SON PROCEDE DE PRODUCTION**
[72] OHMACHI, AIKO, JP
[72] MATSUYAMA, HIROAKI, JP
[72] MORITA, YOSHIKAZU, JP
[72] ISHIDA, YUKO, JP
[72] NARA, TAKAYUKI, JP
[72] KATO, KEN, JP
[72] SERIZAWA, ATSUSHI, JP
[72] UENO, HIROSHI, JP
[72] URAZONO, HIROSHI, JP
[73] MEGMILK SNOW BRAND CO., LTD.,
[85] 2015-01-23
[86] 2012-07-31 (PCT/JP2012/069398)
[87] (WO2014/020682)

[11] **2,880,033**
[13] C
[51] **Int.Cl. C08F 220/18 (2006.01) C08F 222/10 (2006.01) C08F 297/00 (2006.01) C10M 145/14 (2006.01)**
[25] EN
[54] **LOOSE CORE STAR POLYMERS AND LUBRICATING COMPOSITION THEREOF**
[54] **POLYMERES EN ETOILE A NOYAU LIBRE ET COMPOSITION LUBRIFIANTE A BASE DE CEUX-CI**
[72] JOHNSON, JOHN R., US
[72] SCHOBBER, BARTON J., US
[73] THE LUBRIZOL CORPORATION,
[85] 2015-01-23
[86] 2013-03-05 (PCT/US2013/029008)
[87] (WO2014/031154)
[30] US (61/684,880) 2012-08-20

[11] **2,880,127**
[13] C
[51] **Int.Cl. C12P 5/02 (2006.01) C12M 1/42 (2006.01) C25B 3/04 (2006.01) C25B 9/00 (2006.01)**
[25] EN
[54] **PRODUCTION OF METHANE**
[54] **PRODUCTION DE METHANE**
[72] WOLFOWITZ, STEVEN ALAN, ZA
[73] FFGF LIMITED,
[85] 2015-01-26
[86] 2013-07-29 (PCT/IB2013/056215)
[87] (WO2014/016815)
[30] ZA (2012/05680) 2012-07-27
[30] ZA (2012/06901) 2012-09-14

[11] **2,880,155**
[13] C
[51] **Int.Cl. A61B 17/122 (2006.01) A61B 17/12 (2006.01) A61B 17/128 (2006.01)**
[25] EN
[54] **POLYMER OVERMOLDED BARIATRIC CLAMP AND METHOD OF INSTALLING**
[54] **CLAMP BARIATRIQUE SURMOULE POLYMERE ET PROCEDE D'INSTALLATION**
[72] ARMENTEROS, JESUS R., DM
[72] JACOBS, MOISES, US
[72] FRENCH, C. KENNETH, US
[73] ADVANCED BARIATRIC TECHNOLOGY, LLC,
[85] 2015-01-26
[86] 2013-08-09 (PCT/US2013/054435)
[87] (WO2014/026170)
[30] US (61/681,601) 2012-08-09
[30] US (61/798,128) 2013-03-15

[11] **2,880,243**
[13] C
[51] **Int.Cl. F24F 13/28 (2006.01) A01M 13/00 (2006.01) A23B 7/14 (2006.01) A23B 7/144 (2006.01) A62B 13/00 (2006.01) E04B 1/72 (2006.01) F24F 3/16 (2006.01) F24F 5/00 (2006.01)**
[25] EN
[54] **FILTRATION SYSTEM**
[54] **SYSTEME DE FILTRATION**
[72] FASSEL, ROBERT SCOTT, US
[72] CHRISTIE, SCOTT AARON, US
[73] PACE INTERNATIONAL, LLC,
[85] 2015-01-27
[86] 2013-07-31 (PCT/US2013/052826)
[87] (WO2014/022460)
[30] US (13/566,936) 2012-08-03

[11] **2,880,488**
[13] C
[51] **Int.Cl. A61M 1/00 (2006.01) A61B 50/36 (2016.01)**
[25] EN
[54] **REMOVABLE INLET MANIFOLD FOR A MEDICAL/SURGICAL WASTE COLLECTION SYSTEM, THE MANIFOLD INCLUDING A BACKFLOW PREVENTION VALVE THAT SEATS ON A PORTION OF THE MANIFOLD**
[54] **COLLECTEUR D'ENTREE AMOVIBLE DESTINE A UN SYSTEME DE COLLECTE DE DECHETS MEDICAUX/CHIRURGI CAUX, LE COLLECTEUR COMPRENANT UNE SOUPEPE DE PREVENTION DE REFOULEMENT QUI REPOSE SUR UNE PORTION DU COLLECTEUR**
[72] MURRAY, SEAN A., US
[72] HERSHBERGER, DAVID, US
[72] LALOMIA, BRENT S., US
[72] REASONER, STEPHEN, US
[72] ISHAM, STEPHEN, US
[73] STRYKER CORPORATION,
[86] (2880488)
[87] (2880488)
[22] 2006-12-08
[62] 2,633,265
[30] US (60/750,862) 2005-12-14
[30] US (11/554,616) 2006-10-31

[11] **2,880,606**
[13] C
[51] **Int.Cl. A61K 8/04 (2006.01) A61Q 19/00 (2006.01) A61Q 19/10 (2006.01)**
[25] EN
[54] **FORMULATION FOR GRITTY FOAM DISPENSER**
[54] **FORMULATION POUR DISTRIBUTEUR DE MOUSSE GRANULEUSE**
[72] GRIMADELL, LOUISE, GB
[72] CREAGHAN, DAVID MICHAEL ROSS, GB
[72] HINES, JOHN D., GB
[72] GRASCHA, PIERRE BRUNO, FR
[73] DEB IP LIMITED,
[85] 2015-01-30
[86] 2013-07-25 (PCT/EP2013/065766)
[87] (WO2014/019944)
[30] US (61/679,377) 2012-08-03
[30] US (13/804,209) 2013-03-14

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,880,788**

[13] C

- [51] **Int.Cl. F03D 13/20 (2016.01) E04H 12/12 (2006.01) E04H 12/16 (2006.01)**
[25] EN
[54] **PRECAST CONCRETE POST TENSIONED SEGMENTED WIND TURBINE TOWER**
[54] **TOUR D'EOLIENNE SEGMENTEE POST-CONTRAINTE EN BETON PREFABRIQUE**
[72] LOCKWOOD, JAMES D., US
[72] LOCKWOOD, WILLIAM D., US
[73] WIND TOWER TECHNOLOGIES, LLC,
[85] 2015-02-03
[86] 2013-08-02 (PCT/US2013/000182)
[87] (WO2014/021927)
[30] US (61/742,070) 2012-08-03

[11] **2,880,922**

[13] C

- [51] **Int.Cl. A01J 5/007 (2006.01) A01J 5/013 (2006.01) A01J 5/017 (2006.01)**
[25] EN
[54] **AUTOMATIC MILKING ARRANGEMENT**
[54] **SYSTEME DE TRAITE AUTOMATIQUE**
[72] ANGLART, DOROTA, SE
[72] BOSMA, EPKE, NL
[72] FORSBERG, MATS, SE
[72] HALLMAN, JONAS, SE
[72] LUNDH, ANDRES, SE
[72] PERSSON, STAFFAN, SE
[72] OHMAN, ULRIKA, SE
[73] DELAVAL HOLDING AB,
[85] 2015-02-03
[86] 2013-03-15 (PCT/SE2013/050276)
[87] (WO2014/055003)
[30] GB (1217814.1) 2012-10-04
[30] US (61/709,363) 2012-10-04

[11] **2,880,979**

[13] C

- [51] **Int.Cl. H04L 29/06 (2006.01) H04L 12/12 (2006.01) H04L 12/40 (2006.01)**
[25] EN
[54] **USB 3.0 LINK LAYER TIMER ADJUSTMENT TO EXTEND DISTANCE**
[54] **AJUSTEMENT DE TEMPORISATEUR DE COUCHE DE LIAISON USB 3.0 POUR ETENDRE UNE DISTANCE**
[72] TOIVAN, KRIS STEVEN, CA
[72] HUNDAL, SUKHDEEP SINGH, CA
[72] SOSNIAK, TERENCE CARL, CA
[73] ICRON TECHNOLOGIES CORPORATION,
[85] 2014-10-14
[86] 2013-04-26 (PCT/CA2013/000413)
[87] (WO2013/159205)
[30] US (61/639,044) 2012-04-26
[30] US (13/843,630) 2013-03-15

[11] **2,880,990**

[13] C

- [51] **Int.Cl. A01J 5/003 (2006.01)**
[25] EN
[54] **AUTOMATIC MILKING ARRANGEMENT**
[54] **SYSTEME DE TRAITE AUTOMATIQUE**
[72] ANGLART, DOROTA, SE
[72] BOSMA, EPKE, NL
[72] FORSBERG, MATS, SE
[72] HALLMAN, JONAS, SE
[72] LUNDH, ANDRES, SE
[72] PERSSON, STAFFAN, SE
[72] OHMAN, ULRIKA, SE
[73] DELAVAL HOLDING AB,
[85] 2015-02-03
[86] 2013-03-15 (PCT/SE2013/050267)
[87] (WO2014/055000)
[30] GB (1217817.4) 2012-10-04
[30] US (61/709,364) 2012-10-04

[11] **2,881,665**

[13] C

- [51] **Int.Cl. A61B 6/04 (2006.01) A61G 13/12 (2006.01)**
[25] EN
[54] **AN ARTICULATING PATIENT POSITIONING APPARATUS**
[54] **APPAREIL DE POSITIONNEMENT D'UN PATIENT ARTICULE**
[72] CAMPAGNA, MICHAEL, US
[73] CAMPAGNA, MICHAEL,
[73] BENTOLILA, ARIEL S.,
[85] 2015-02-10
[86] 2013-08-07 (PCT/US2013/054032)
[87] (WO2014/028288)
[30] US (61/682,279) 2012-08-12
[30] US (13/902,939) 2013-05-27

[11] **2,881,716**

[13] C

- [51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **DETECTING ITEMS OF INTEREST WITHIN LOCAL SHOPS**
[54] **DETECTION D'ARTICLES PRESENTANT UN INTERET DANS DES MAGASINS DE PROXIMITE**
[72] GOPALAKRISHNAN, RAVI, US
[73] EBAY INC.,
[85] 2015-02-10
[86] 2013-08-22 (PCT/US2013/056275)
[87] (WO2014/031898)
[30] US (13/592,147) 2012-08-22

**Canadian Patents Issued
March 24, 2020**

[11] **2,881,788**
[13] C

[51] **Int.Cl. C01F 7/16 (2006.01) B01J 23/58 (2006.01) B01J 37/02 (2006.01) C01C 1/04 (2006.01) H01B 13/00 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING CONDUCTIVE MAYENITE COMPOUND POWDER**

[54] **PROCEDE DE FABRICATION DE POUVRE DE COMPOSE DE MAYENITE CONDUCTEUR**

[72] HOSONO, HIDEO, JP
[72] HARA, MICHIKAZU, JP
[72] INOUE, YASUNORI, JP
[72] KITANO, MASAOKI, JP
[72] HAYASHI, FUMITAKA, JP
[72] YOKOYAMA, TOSHIHARU, JP
[72] MATSUSHI, SATORU, JP
[72] TODA, YOSHITAKE, JP
[73] TOKYO INSTITUTE OF TECHNOLOGY,
[73] JAPAN SCIENCE AND TECHNOLOGY AGENCY,
[85] 2015-02-11
[86] 2013-08-20 (PCT/JP2013/072163)
[87] (WO2014/034473)
[30] JP (2012-189371) 2012-08-30

[11] **2,881,883**
[13] C

[51] **Int.Cl. A61M 5/31 (2006.01) A61M 39/24 (2006.01)**

[25] EN

[54] **MEDICAL DEVICES FOR BLOOD REFLUX PREVENTION AND METHODS OF USE**

[54] **DISPOSITIFS MEDICAUX POUR LA PREVENTION DE REFLUX SANGUIN ET PROCEDES D'UTILISATION**

[72] TEKESTE, GIRUM YEMANE, US
[73] BECTON, DICKINSON AND COMPANY,
[85] 2015-02-12
[86] 2013-08-20 (PCT/US2013/055773)
[87] (WO2014/031628)
[30] US (13/589,679) 2012-08-20

[11] **2,882,048**
[13] C

[51] **Int.Cl. A61K 31/59 (2006.01) A61P 3/02 (2006.01)**

[25] EN

[54] **TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY WITH 25-HYDROXYVITAMIN D2 AND 25-HYDROXYVITAMIN D3**

[54] **TRAITEMENT DE L'INSUFFISANCE ET DE LA DEFICIENCE DE VITAMINE D AVEC DE LA 25-HYDROXYVITAMINE D2 ET DE LA 25-HYDROXYVITAMINE D3**

[72] BISHOP, CHARLES W., US
[72] CRAWFORD, KEITH H., US
[72] MESSNER, ERIC J., US
[73] OPKO RENAL, LLC,
[86] (2882048)
[87] (2882048)
[22] 2007-02-02
[62] 2,640,094
[30] US (60/764,665) 2006-02-03

[11] **2,882,529**
[13] C

[51] **Int.Cl. B60W 50/02 (2012.01) B60W 50/04 (2006.01) G01B 21/00 (2006.01) G01B 21/22 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR ERROR CORRECTION IN ANGULAR POSITION SENSORS**

[54] **SYSTEME ET PROCEDE DE CORRECTION D'ERREURS DANS DES CAPTEURS DE POSITION ANGULAIRE**

[72] WALTERS, JAMES E., US
[72] KREFTA, RONALD J., US
[73] ALLISON TRANSMISSION, INC.,
[85] 2015-02-19
[86] 2013-03-15 (PCT/US2013/032064)
[87] (WO2014/031166)
[30] US (61/691,482) 2012-08-21

[11] **2,882,707**
[13] C

[51] **Int.Cl. E06B 9/42 (2006.01)**

[25] EN

[54] **CONTROL ASSEMBLY FOR A ROLLER BLIND**

[54] **ENSEMBLE DE COMMANDE POUR STORE A ENROULEMENT**

[72] GREENING, ANDREW, GB
[73] LOUVER-LITE LIMITED,
[85] 2015-02-20
[86] 2013-09-02 (PCT/GB2013/052290)
[87] (WO2014/033474)
[30] GB (1215667.5) 2012-09-03

[11] **2,882,816**
[13] C

[51] **Int.Cl. F02C 7/32 (2006.01)**

[25] FR

[54] **DRIVE GEARBOX ON A TURBOMACHINE, CONSISTING OF A DRIVE TRAIN WITH GEAR LINES EXTENDING INTO NON-PARALLEL PLANES**

[54] **BOITE D'ENGRENAGES DE PRISE DE MOUVEMENT SUR UNE TURBOMACHINE, COMPOSEE D'UNE CHAINE CINEMATIQUE A LIGNES D'ENGRENAGES S'ETENDANT DANS DES PLANS NON PARALLELES**

[72] PELTIER, JORDANE, FR
[72] ARMANGE, FRANTZ, FR
[72] DEMOULIN, LAMBERT OLIVIER MARIE, FR
[72] GARASSINO, ALAIN PIERRE, FR
[72] LLAMAS CASTRO, NURIA, FR
[72] PRUNERA-USACH, STEPHANE, FR
[72] WAISSI, BELLAL, FR
[73] SNECMA,
[73] HISPANO SUIZA,
[85] 2015-02-23
[86] 2013-09-03 (PCT/FR2013/052021)
[87] (WO2014/033416)
[30] FR (12 58196) 2012-09-03

Brevets canadiens délivrés
24 mars 2020

[11] **2,883,083**
[13] C

[51] **Int.Cl. F28F 27/00 (2006.01) F16T 1/24 (2006.01) F22D 1/32 (2006.01) F22D 5/08 (2006.01) F24H 1/12 (2006.01) F24H 9/16 (2006.01) F24H 9/20 (2006.01) F28B 9/08 (2006.01)**

[25] EN

[54] **HEAT EXCHANGE SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE D'ECHANGE DE CHALEUR**

[72] LACH, RAYMOND, CA

[73] MAXI-THERME INC.,

[86] (2883083)

[87] (2883083)

[22] 2015-02-24

[11] **2,883,565**
[13] C

[51] **Int.Cl. A01N 43/54 (2006.01) A01N 43/40 (2006.01) A01P 13/00 (2006.01)**

[25] EN

[54] **SYNERGISTIC WEED CONTROL FROM APPLICATIONS OF AMINOCYCLOPYRACHLOR AND CLOPYRALID**

[54] **DESHERBAGE SYNERGIQUE A PARTIR D'APPLICATIONS D'AMINOCYCLOPYRACHLORE ET DE CLOPYRALIDE**

[72] MANN, RICHARD K., US

[72] BRINKWORTH, LOUISE A., US

[72] PETERSON, VANELLE F., US

[72] FISHER, MARC L., US

[72] LANGSTON, VERNON B., US

[72] MASTERS, ROBERT A., US

[73] DOW AGROSCIENCES LLC,

[85] 2015-03-02

[86] 2013-09-03 (PCT/US2013/057776)

[87] (WO2014/039416)

[30] US (61/696,478) 2012-09-04

[11] **2,883,570**
[13] C

[51] **Int.Cl. H05H 1/46 (2006.01) H01J 37/32 (2006.01)**

[25] FR

[54] **DEVICE FOR GENERATING PLASMA, FEATURING A MAJOR EXTENSION ALONG AN AXIS, BY ELECTRONIC CYCLOTRONIC RESONANCE ECR FROM A GASEOUS ENVIRONMENT**

[54] **DISPOSITIF POUR GENERER UN PLASMA PRESENTANT UNE ETENDUE IMPORTANTE LE LONG D'UN AXE PAR RESONANCE CYCLOTRONIQUE ELECTRONIQUE RCE A PARTIR D'UN MILIEU GAZEUX**

[72] SCHMIDT, BEAT, FR

[72] HEAU, CHRISTOPHE, FR

[72] MAURIN-PERRIER, PHILIPPE, FR

[73] H.E.F.,

[85] 2015-03-02

[86] 2013-09-04 (PCT/FR2013/052035)

[87] (WO2014/041280)

[30] FR (1258495) 2012-09-11

[11] **2,883,802**
[13] C

[51] **Int.Cl. H04N 19/46 (2014.01) H04N 19/30 (2014.01) H04N 19/70 (2014.01)**

[25] EN

[54] **INDICATION AND ACTIVATION OF PARAMETER SETS FOR VIDEO CODING**

[54] **INDICATION ET ACTIVATION D'ENSEMBLES DE PARAMETRES POUR LE CODAGE VIDEO**

[72] WANG, YE-KUI, US

[73] QUALCOMM INCORPORATED,

[85] 2015-03-04

[86] 2013-08-14 (PCT/US2013/054980)

[87] (WO2014/046812)

[30] US (61/704,214) 2012-09-21

[30] US (13/964,599) 2013-08-12

[11] **2,883,903**
[13] C

[51] **Int.Cl. A61L 29/04 (2006.01) A61L 29/08 (2006.01) A61L 29/14 (2006.01) A61L 29/16 (2006.01) A61M 25/10 (2013.01)**

[25] EN

[54] **RETRACTABLE SHEATH DEVICES, SYSTEMS, AND METHODS**

[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE GAINE RETRACTABLE**

[72] CAMPBELL, CAREY V., US

[72] CLEEK, ROBERT L., US

[72] CULLY, EDWARD H., US

[72] HEICKSEN, PETER, US

[72] HOLLAND, THERESA A., US

[72] KRANZLER, THANE L., US

[72] LI, MEI, US

[72] STEINHAUS, BRUCE M., US

[72] TRAPP, BENJAMIN M., US

[72] TRIEBES, THOMAS G., US

[72] VONESH, MICHAEL J., US

[73] W.L. GORE & ASSOCIATES, INC.,

[85] 2015-03-03

[86] 2013-09-05 (PCT/US2013/058171)

[87] (WO2014/039626)

[30] US (61/697,269) 2012-09-05

[30] US (61/789,949) 2013-03-15

[30] US (14/018,053) 2013-09-04

[11] **2,884,335**
[13] C

[51] **Int.Cl. F41A 9/57 (2006.01)**

[25] FR

[54] **FLEXIBLE CHUTE, IN PARTICULAR FOR AMMUNITION**

[54] **COULOIR FLEXIBLE NOTAMMENT POUR MUNITIONS**

[72] LESQUIRE, JEAN-FRANCOIS, FR

[73] ETAT FRANCAIS REPRESENTE PAR LE DELEGUE GENERAL POUR L'ARMEMENT,

[85] 2015-03-09

[86] 2013-09-19 (PCT/FR2013/000248)

[87] (WO2014/044931)

[30] FR (12/02485) 2012-09-19

**Canadian Patents Issued
March 24, 2020**

[11] **2,885,308**
[13] C

[51] **Int.Cl. B02C 13/04 (2006.01) B02C 13/28 (2006.01)**
[25] EN
[54] **HAMMER SUPPORT FOR ROTARY TOOL**
[54] **SUPPORT DE MARTEAU POUR OUTIL ROTATIF**
[72] ROOZEBOOM, KEITH LEON, US
[72] BREJA, JOSEPH EDWARD, US
[73] VERMEER MANUFACTURING COMPANY,
[85] 2015-02-02
[86] 2014-09-10 (PCT/US2014/054954)
[87] (WO2015/038619)
[30] US (61/875,920) 2013-09-10
[30] US (14/313,368) 2014-06-24

[11] **2,885,697**
[13] C

[51] **Int.Cl. A61F 2/07 (2013.01)**
[25] EN
[54] **DEBRANCHING GREAT VESSEL STENT GRAFT AND METHODS FOR USE**
[54] **DEBRANCHEMENT ET ENDOPROTHESE DE VAISSEAU PRINCIPAL, ET PROCEDES D'UTILISATION**
[72] KELLY, PATRICK W., US
[73] SANFORD HEALTH,
[85] 2015-03-20
[86] 2013-04-11 (PCT/US2013/036192)
[87] (WO2013/155316)
[30] US (61/623,151) 2012-04-12
[30] US (61/646,637) 2012-05-14
[30] US (61/716,326) 2012-10-19
[30] US (61/716,292) 2012-10-19
[30] US (61/716,315) 2012-10-19
[30] US (61/720,803) 2012-10-31
[30] US (61/720,829) 2012-10-31
[30] US (61/720,846) 2012-10-31
[30] US (13/706,158) 2012-12-05
[30] US (61/737,411) 2012-12-14

[11] **2,885,703**
[13] C

[51] **Int.Cl. F01N 9/00 (2006.01) F01N 11/00 (2006.01)**
[25] EN
[54] **SELECTIVE CATALYST REDUCTION HEAT MANAGEMENT METHOD AND SYSTEM**
[54] **METHODE ET SYSTEME DE GESTION SELECTIVE DE CATALYSEUR REDUCTEUR DE CHALEUR**
[72] SCOTT, DAVID J., US
[73] KOMATSU AMERICA CORP.,
[86] (2885703)
[87] (2885703)
[22] 2015-03-24
[30] US (14/247,743) 2014-04-08

[11] **2,885,905**
[13] C

[51] **Int.Cl. H01H 9/22 (2006.01) H01H 13/34 (2006.01) B60K 37/06 (2006.01) B60Q 1/00 (2006.01)**
[25] EN
[54] **RECREATIONAL VEHICLE BEAM SWITCH ASSEMBLY**
[54] **ENSEMBLE DE COMMUTATION DE FAISCEAU POUR VEHICULE DE LOISIRS**
[72] QIN, LEI, US
[72] ZHU, XIANSI, US
[72] LI, ZHENG, US
[72] DENG, DONGMEI, US
[73] HONEYWELL INTERNATIONAL INC.,
[85] 2015-03-23
[86] 2012-10-03 (PCT/CN2012/082518)
[87] (WO2014/053072)

[11] **2,886,162**
[13] C

[51] **Int.Cl. C12Q 1/00 (2006.01)**
[25] EN
[54] **REAGENT MATERIALS AND ASSOCIATED TEST ELEMENTS**
[54] **MATERIAUX REACTIFS ET ELEMENTS DE TEST ASSOCIES**
[72] WILSEY, CHRISTOPHER D., US
[73] F. HOFFMANN-LA ROCHE AG,
[85] 2015-03-26
[86] 2013-10-31 (PCT/EP2013/072754)
[87] (WO2014/068022)
[30] US (13/667,057) 2012-11-02

[11] **2,886,259**
[13] C

[51] **Int.Cl. B62B 7/08 (2006.01) B62B 3/02 (2006.01) B62B 7/06 (2006.01)**
[25] EN
[54] **COMPACTIBLE STROLLER**
[54] **POUSSETTE COMPACTABLE**
[72] SUNDBERG, BRIAN C., US
[72] FRITZ, WARD A., US
[72] LANGLEY, JOSEPH D., US
[73] DOREL JUVENILE GROUP, INC.,
[85] 2015-03-25
[86] 2013-10-09 (PCT/US2013/064080)
[87] (WO2014/058986)
[30] US (61/711,590) 2012-10-09

[11] **2,886,541**
[13] C

[51] **Int.Cl. C09K 5/04 (2006.01) H01M 8/04029 (2016.01) F01K 25/08 (2006.01)**
[25] EN
[54] **WORKING FLUIDS FOR THERMAL ENERGY CONVERSION OF WASTE HEAT FROM FUEL CELLS USING RANKINE CYCLE SYSTEMS**
[54] **FLUIDES DE TRAVAIL POUR LA CONVERSION D'ENERGIE THERMIQUE DE CHALEUR RESIDUAIRE A PARTIR DE PILES A COMBUSTIBLE UTILISANT DES SYSTEMES DE CYCLE DE RANKINE**
[72] SINGH, RAJIV R., US
[72] WILSON, DAVID P., US
[72] HULSE, RYAN, US
[72] ZYHOWSKI, GARY J., US
[73] HONEYWELL INTERNATIONAL INC.,
[86] (2886541)
[87] (2886541)
[22] 2005-07-18
[62] 2,573,865
[30] US (10/892,913) 2004-07-16

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,886,634**
[13] C

[51] **Int.Cl. H04L 1/18 (2006.01) H04W
72/04 (2009.01)**
[25] EN
[54] **METHODS FOR DYNAMIC TDD
UPLINK/DOWNLINK
CONFIGURATION**
[54] **PROCEDES POUR
CONFIGURATION DE LIAISON
MONTANTE/LIAISON
DESCENDANTE TDD
DYNAMIQUE**
[72] STERN-BERKOWITZ, JANET A., US
[72] SADEGHI, POURIYA, US
[72] TAMAKI, NOBUYUKI, US
[72] LEE, MOON-IL, US
[72] PELLETIER, GHYSLAIN, CA
[72] SUN, LI-HSIANG, US
[72] RUDOLF, MARIAN, CA
[73] INTERDIGITAL PATENT
HOLDINGS, INC.,
[85] 2015-03-26
[86] 2013-09-26 (PCT/US2013/062002)
[87] (WO2014/052645)
[30] US (61/705,936) 2012-09-26
[30] US (61/753,354) 2013-01-16
[30] US (61/863,359) 2013-08-07

[11] **2,886,662**
[13] C

[51] **Int.Cl. G06F 3/044 (2006.01)**
[25] EN
[54] **SENSOR PATTERN FOR A
TACTILE INPUT DEVICE**
[54] **MOTIF DE CAPTEUR POUR UN
DISPOSITIF D'ENTREE TACTILE**
[72] TENUTA, MATTHEW DOMINIC, US
[73] GOOGLE LLC,
[85] 2015-03-30
[86] 2013-10-03 (PCT/US2013/063231)
[87] (WO2014/055742)
[30] US (61/709,388) 2012-10-04
[30] US (13/709,931) 2012-12-10

[11] **2,886,817**
[13] C

[51] **Int.Cl. B60R 13/08 (2006.01) D04H
1/4391 (2012.01) D04H 1/542
(2012.01)**
[25] EN
[54] **SOUND-ABSORBING MATERIAL
WITH EXCELLENT SOUND-
ABSORBING PERFORMANCE
AND METHOD FOR
MANUFACTURING THEREOF**
[54] **MATERIAU INSONORISANT
PRESENTANT D'EXCELLENTE
PROPRIETES
D'INSONORISATION ET SON
PROCEDE DE FABRICATION**
[72] KIM, HYO SEOK, KR
[72] KIM, DO HYUN, KR
[72] KIM, CHI HUN, KR
[72] JEONG, KIE YOUN, KR
[72] PARK, BONG HYUN, KR
[72] LEE, JUNG WOOK, KR
[73] HYUNDAI MOTOR COMPANY,
[73] KIA MOTORS CORPORATION,
[73] TORAY ADVANCED MATERIALS
KOREA INC.,
[85] 2015-03-30
[86] 2013-09-26 (PCT/KR2013/008630)
[87] (WO2014/051351)
[30] KR (10-2012-0108764) 2012-09-28

[11] **2,886,933**
[13] C

[51] **Int.Cl. D04H 1/4226 (2012.01) B32B
17/02 (2006.01) D04H 1/74 (2006.01)
E04B 1/76 (2006.01)**
[25] FR
[54] **INSTALLATION AND METHOD
FOR MANUFACTURING A
THERMAL AND/OR ACOUSTIC
INSULATION PRODUCT**
[54] **INSTALLATION ET PROCEDE
POUR FABRIQUER UN PRODUIT
D'ISOLATION THERMIQUE
ET/OU PHONIQUE**
[72] SANTAMARIA, ROMAIN, FR
[72] KONTTILA, HANNU, FI
[73] SAINT-GOBAIN ISOVER,
[85] 2015-03-30
[86] 2013-10-03 (PCT/FR2013/052352)
[87] (WO2014/053778)
[30] FR (1259410) 2012-10-04

[11] **2,886,994**
[13] C

[51] **Int.Cl. C22C 14/00 (2006.01) C22F
1/18 (2006.01)**
[25] EN
[54] **METHODS FOR PROCESSING
TITANIUM ALLOYS**
[54] **PROCEDES DE TRAITEMENT
D'ALLIAGES DE TITANE**
[72] BRYAN, DAVID J., US
[72] MANTIONE, JOHN V., US
[72] THOMAS, JEAN-PHILIPPE, US
[73] ATI PROPERTIES LLC,
[85] 2015-03-31
[86] 2013-11-26 (PCT/US2013/071801)
[87] (WO2014/093009)
[30] US (13/714,465) 2012-12-14

[11] **2,887,048**
[13] C

[51] **Int.Cl. C08K 5/1515 (2006.01) C08L
27/06 (2006.01)**
[25] EN
[54] **EPOXIDIZED FATTY ACID
ALKYL ESTER PLASTICIZERS
AND METHODS FOR MAKING
EPOXIDIZED FATTY ACID
ALKYL ESTER PLASTICIZERS**
[54] **PLASTIFIANTS D'ESTER
D'ALKYLE D'ACIDE GRAS
EPOXYDE ET PROCEDES DE
FABRICATION DE PLASTIFIANTS
D'ESTER D'ALKYLE D'ACIDE
GRAS EPOXYDE**
[72] RAO, NEETA, IN
[72] KAUIJALGIKAR, SAURABH, IN
[72] CHAUDHARY, BHARAT I., US
[72] BHIDE, SHREYAS, IN
[72] MORYE, SHANTARAM, IN
[72] AGASHE, SACHIN, IN
[73] DOW GLOBAL TECHNOLOGIES
LLC,
[85] 2015-04-07
[86] 2012-10-18 (PCT/IN2012/000688)
[87] (WO2014/061026)

**Canadian Patents Issued
March 24, 2020**

[11] **2,887,130**
[13] C

[51] **Int.Cl. A61B 34/20 (2016.01) A61B 34/10 (2016.01) A61B 5/00 (2006.01) A61B 6/00 (2006.01) A61B 17/15 (2006.01) A61B 17/17 (2006.01) B81B 7/02 (2006.01)**

[25] EN

[54] **PATIENT SPECIFIC INSTRUMENTATION WITH MEMS IN SURGERY**

[54] **INSTRUMENT SPECIFIQUE D'UN PATIENT ET DOTE D'UN SYSTEME MICROELECTROMECHANIQUE A UTILISER EN CHIRURGIE**

[72] MCCAULEY, JEFFREY A., US
[72] AMIOT, LOUIS-PHILIPPE, CA
[73] ZIMMER, INC.,
[73] ORTHOSOFT ULC,
[85] 2014-11-26
[86] 2013-07-24 (PCT/CA2013/050574)
[87] (WO2014/015433)
[30] US (61/675,242) 2012-07-24

[11] **2,887,374**
[13] C

[51] **Int.Cl. C07C 51/353 (2006.01) C07C 51/36 (2006.01) C07C 53/126 (2006.01) C07C 57/03 (2006.01) C11C 3/12 (2006.01) C11C 3/14 (2006.01)**

[25] EN

[54] **PROCESS FOR PRODUCING MONOBRANCHED FATTY ACIDS OR ALKYL ESTERS THEREOF**

[54] **PROCEDE POUR LA PRODUCTION D'ACIDES GRAS MONORAMIFIES OU D'ESTERS ALKYLIIQUES DE CEUX-CI**

[72] BERGEN-BREKMAN, TANJA VAN, NL
[72] RASHIDI, NEGAR, NL
[72] WELS, BASTIAAN, NL
[73] CRODA INTERNATIONAL PLC,
[85] 2015-04-02
[86] 2013-10-07 (PCT/GB2013/052603)
[87] (WO2014/064418)
[30] GB (1219224.1) 2012-10-25

[11] **2,887,389**
[13] C

[51] **Int.Cl. G01N 33/00 (2006.01) C01B 17/42 (2006.01) G01N 23/222 (2006.01)**

[25] EN

[54] **GYPHUM MANUFACTURING PROCESS IMPROVEMENT**

[54] **AMELIORATION D'UN PROCESSUS DE FABRICATION DE PLATRE**

[72] BARGER, WILLIAM E., US
[72] PERRI, CARMINE, US
[73] GEORGIA-PACIFIC GYPSUM LLC,
[85] 2015-01-14
[86] 2013-07-18 (PCT/US2013/051054)
[87] (WO2014/015124)
[30] US (61/673,527) 2012-07-19

[11] **2,887,530**
[13] C

[51] **Int.Cl. E21B 44/00 (2006.01) E21B 7/04 (2006.01)**

[25] EN

[54] **ATTITUDE REFERENCE FOR TIEBACK/OVERLAP PROCESSING**

[54] **REFERENCE D'ATTITUDE POUR UN TRAITEMENT DE RACCORDEMENT/SUPERPOSITION**

[72] VANSTEENWYK, BRETT, US
[73] SCIENTIFIC DRILLING INTERNATIONAL, INC.,
[85] 2015-04-08
[86] 2013-10-11 (PCT/US2013/064552)
[87] (WO2014/059282)
[30] US (61/713,164) 2012-10-12

[11] **2,887,695**
[13] C

[51] **Int.Cl. F03B 7/00 (2006.01) F03B 9/00 (2006.01)**

[25] EN

[54] **HYDRAULIC GENERATOR COMPRISING WATER CONTAINERS**

[54] **GENERATEUR HYDRAULIQUE COMPORTANT DES CONTENANTS D'EAU**

[72] LAZZERI, GIUSEPPE (DECEASED), CH
[73] LAZZERI, PATRIZIA,
[73] LAZZERI, HEIDI,
[73] LAZZERI, PAOLO,
[85] 2015-04-14
[86] 2013-10-17 (PCT/EP2013/071739)
[87] (WO2014/060523)
[30] EP (12189191.5) 2012-10-19

[11] **2,887,752**
[13] C

[51] **Int.Cl. C12N 1/19 (2006.01) A61K 36/062 (2006.01) A61K 38/16 (2006.01) A61K 38/17 (2006.01) A61K 38/47 (2006.01) A61P 3/00 (2006.01) C12N 9/10 (2006.01) C12N 9/24 (2006.01) C12N 15/09 (2006.01) C12N 15/54 (2006.01) C12N 15/56 (2006.01) C12N 15/81 (2006.01) C12P 21/02 (2006.01)**

[25] EN

[54] **GLYCOSYLATION OF MOLECULES**

[54] **GLYCOSYLATION DE MOLECULES**

[72] CALLEWAERT, NICO LUC MARC, BE
[72] VERVECKEN, WOUTER, BE
[72] MARCEL DE POURCQ, KAREN JACQUELINE, BE
[72] GEYSSENS, STEVEN CHRISTIAN JOZEF, BE
[72] GUERFAL, MOUNA, BE
[73] OXYRANE UK LIMITED,
[73] VIB VZW,
[73] UNIVERSITEIT GENT,
[86] (2887752)
[87] (2887752)
[22] 2008-04-03
[62] 2,682,578
[30] US (60/909,904) 2007-04-03
[30] US (60/940,212) 2007-05-25

[11] **2,887,790**
[13] C

[51] **Int.Cl. A61F 5/453 (2006.01)**

[25] EN

[54] **SHEATH FOR SECURING URINARY CATHETER**

[54] **GAINÉ POUR FIXER UNE SONDE URINAIRE**

[72] CONWAY, ANTHONY J., US
[72] GRINDE, SARAH L., US
[73] C.R. BARD, INC.,
[85] 2015-04-08
[86] 2013-11-20 (PCT/US2013/071046)
[87] (WO2014/081853)
[30] US (13/682,406) 2012-11-20

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,888,204**
[13] C

[51] **Int.Cl. A61K 8/35 (2006.01) A61K 8/22 (2006.01) A61Q 11/00 (2006.01)**

[25] EN

[54] **ORAL CARE WHITENING COMPOSITIONS**

[54] **COMPOSITIONS BLANCHISSANTES POUR HYGIENE BUCCALE**

[72] CHEN, XIANG, US

[72] BOYD, THOMAS J., US

[73] COLGATE-PALMOLIVE COMPANY,

[85] 2015-04-14

[86] 2012-11-27 (PCT/US2012/066596)

[87] (WO2014/084808)

[11] **2,888,286**
[13] C

[51] **Int.Cl. A61K 9/127 (2006.01) A61K 48/00 (2006.01)**

[25] EN

[54] **LIPOSOME FORMULATION, ITS PREPARATION AND APPLICATION**

[54] **PREPARATION DE LIPIDOSOMES, LEUR PROCEDE DE PREPARATION ET LEUR APPLICATION**

[72] CHEN, JIANXIN, CN

[72] PENG, WEI, CN

[72] LI, TIEJUN, CN

[73] BIOMICS BIOTECHNOLOGIES CO., LTD.,

[85] 2015-04-14

[86] 2013-03-06 (PCT/CN2013/072236)

[87] (WO2014/134797)

[11] **2,889,164**
[13] C

[51] **Int.Cl. C11D 17/00 (2006.01) C11D 1/62 (2006.01) C11D 3/00 (2006.01) C11D 3/37 (2006.01)**

[25] EN

[54] **FABRIC CONDITIONING COMPOSITION**

[54] **COMPOSITION DE CONDITIONNEMENT DE TISSU**

[72] SCHRAMM, CHARLES J., JR., US

[72] TRUONG, KATIE, US

[73] COLGATE-PALMOLIVE COMPANY,

[85] 2015-04-22

[86] 2012-12-11 (PCT/US2012/068963)

[87] (WO2014/092691)

[11] **2,889,387**
[13] C

[51] **Int.Cl. G06F 8/71 (2018.01) G06F 11/36 (2006.01)**

[25] EN

[54] **SYSTEM OF DISTRIBUTED SOFTWARE QUALITY IMPROVEMENT**

[54] **SYSTEME D'AMELIORATION DE QUALITE DE LOGICIEL DISTRIBUE**

[72] MOORTHI, JAY, US

[72] THORPE, CHRISTOPHER A., US

[72] JOSEPHSON, WILLIAM, US

[73] SOLANO LABS, INC.,

[85] 2015-04-24

[86] 2012-11-21 (PCT/US2012/066195)

[87] (WO2013/078269)

[30] US (61/562,687) 2011-11-22

[11] **2,890,365**
[13] C

[51] **Int.Cl. B60C 1/00 (2006.01) C08K 3/013 (2018.01) C08J 9/08 (2006.01) C08K 3/04 (2006.01) C08K 3/26 (2006.01) C08K 5/098 (2006.01) C08L 7/00 (2006.01) C08L 9/00 (2006.01)**

[25] FR

[54] **VEHICLE TIYE, THE TREAD OF WHICH COMPRISES A HEAT-EXPANDABLE RUBBER COMPOSITION**

[54] **PNEUMATIQUE POUR VEHICULE DONT LA BANDE DE ROULEMENT COMPORTE UNE COMPOSITION DE CAOUTCHOUC THERMO-EXPANSIBLE**

[72] OCHIAI, CHIKA, JP

[72] PAGANO, SALVATORE, FR

[73] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN,

[73] MICHELIN RECHERCHE ET TECHNIQUE S.A.,

[85] 2015-05-04

[86] 2013-11-25 (PCT/EP2013/074622)

[87] (WO2014/082964)

[30] FR (1261396) 2012-11-29

[11] **2,890,400**
[13] C

[51] **Int.Cl. C25D 5/50 (2006.01) A44C 21/00 (2006.01) B32B 15/01 (2006.01) B32B 37/06 (2006.01) C22F 1/00 (2006.01) C25D 5/16 (2006.01)**

[25] EN

[54] **ENHANCED TECHNIQUES FOR PRODUCTION OF GOLDEN BRONZE BY INTER-DIFFUSION OF TIN AND COPPER UNDER CONTROLLED CONDITIONS**

[54] **TECHNIQUES AMELIOREES POUR LA PRODUCTION DE BRONZE DORE PAR INTERDIFFUSION D'ETAIN ET DE CUIVRE DANS DES CONDITIONS REGULEES**

[72] JIANG, TAIXIANG, CA

[72] BUSHIGAMPALA, SRIDHAR, CA

[72] LI, XIANYAO, CA

[73] MONNAIE ROYALE CANADIENNE/ROYAL CANADIAN MINT,

[85] 2015-05-05

[86] 2012-11-08 (PCT/CA2012/050795)

[87] (WO2014/071493)

[11] **2,891,062**
[13] C

[51] **Int.Cl. C08K 5/1515 (2006.01) C07D 301/12 (2006.01) C07D 303/42 (2006.01)**

[25] EN

[54] **METHODS FOR MAKING EPOXIDIZED FATTY ACID ALKYL ESTERS**

[54] **PROCEDES POUR PREPARER DES ESTERS D'ALKYLE D'ACIDE GRAS EPOXYDES**

[72] KAUALGIKAR, SAURABH, IN

[72] RAO, NEETA, IN

[72] CHAUDHARY, BHARAT I., US

[72] GHOSH-DASTIDAR, ABHIJIT, US

[73] DOW GLOBAL TECHNOLOGIES LLC,

[85] 2015-05-07

[86] 2012-11-12 (PCT/IN2012/000745)

[87] (WO2014/072986)

**Canadian Patents Issued
March 24, 2020**

[11] **2,891,154**
[13] C

[51] **Int.Cl. A01N 65/03 (2009.01) A01N 61/00 (2006.01) A01P 21/00 (2006.01) C09K 17/00 (2006.01) C05F 11/10 (2006.01)**

[25] EN

[54] **PROCESS TO ELABORATE A BIOSTIMULANT BASED ON SEAWEEDS**

[54] **PROCEDE D'ELABORATION DE BIOSTIMULANT A BASE D'ALGUES MARINES**

[72] BRINTRUP MEEDER, MARCELO, CL

[73] PATAGONIA BIOTECNOLOGIA S.A.,

[86] (2891154)

[87] (2891154)

[22] 2015-05-07

[30] CL (CL-1464-2014) 2014-06-04

[11] **2,891,251**
[13] C

[51] **Int.Cl. B65D 50/04 (2006.01)**

[25] EN

[54] **CHILD RESISTANT TIP CLOSURE ASSEMBLY WITH FINGER SPRING**

[54] **ENSEMBLE FERMETURE D'EXTREMITE A L'EPREUVE DES ENFANTS DOTE D'UN RESSORT A DOIGTS**

[72] PHILIP, BRADLEY S., US

[72] DOWNING, DAVID, US

[72] MASTIC, TODD, US

[72] YEAGER, DON F., US

[72] MIERZWIAK, JAMES, US

[73] AMCOR RIGID PLASTICS USA, LLC,

[85] 2015-05-11

[86] 2013-11-14 (PCT/US2013/070041)

[87] (WO2014/078501)

[30] US (61/726,799) 2012-11-15

[11] **2,891,438**
[13] C

[51] **Int.Cl. B23K 9/09 (2006.01) B23K 9/10 (2006.01) B23K 9/32 (2006.01)**

[25] EN

[54] **AUTOMATED SYSTEM FOR MACHINE SET-UP OF WELDING POWER SOURCES AND WELDING SYSTEMS**

[54] **SYSTEME AUTOMATISE POUR CONFIGURATION DE MACHINE DE SOURCES DE PUISSANCE DE SOUDAGE ET SYSTEMES DE SOUDAGE**

[72] STONER, COLLIN, US

[72] LUCK, JOHN A., US

[72] KOWAKESKI, ANTHONY J., US

[72] CASNER, BRUCE A., US

[73] ILLNOIS TOOL WORKS INC.,

[85] 2015-05-13

[86] 2014-03-04 (PCT/US2014/020091)

[87] (WO2014/164037)

[30] US (61/776,126) 2013-03-11

[30] US (14/192,305) 2014-02-27

[11] **2,891,862**
[13] C

[51] **Int.Cl. A61M 11/00 (2006.01) A61M 15/00 (2006.01) A61M 16/00 (2006.01)**

[25] EN

[54] **BREATHING BIOFEEDBACK DEVICE**

[54] **DISPOSITIF FOURNISSANT UNE RETROACTION BIOLOGIQUE POUR LA RESPIRATION**

[72] WALLACH, ADI, IL

[73] LEVIN, ORNA,

[85] 2015-05-19

[86] 2012-11-20 (PCT/IB2012/056574)

[87] (WO2013/076654)

[30] GB (1120060.7) 2011-11-21

[11] **2,892,538**
[13] C

[51] **Int.Cl. G01C 23/00 (2006.01) G06Q 10/04 (2012.01) B64F 5/00 (2017.01) G06F 17/10 (2006.01)**

[25] EN

[54] **ANALYZING FLIGHT DATA USING PREDICTIVE MODELS**

[54] **ANALYSE DE DONNEES DE VOL A L'AIDE DE MODELES PREDICTIFS**

[72] DESELL, TRAVIS, US

[72] HIGGINS, JIM, US

[72] CLACHAR, SOPHINE, US

[73] UNIVERSITY OF NORTH DAKOTA,

[85] 2015-05-25

[86] 2013-12-12 (PCT/US2013/074755)

[87] (WO2014/093670)

[30] US (61/736,432) 2012-12-12

[11] **2,892,797**
[13] C

[51] **Int.Cl. H02J 3/06 (2006.01) H02J 9/06 (2006.01)**

[25] EN

[54] **AUTOMATIC TRANSFER SWITCH**

[54] **COMMUTATEUR DE TRANSFERT AUTOMATIQUE**

[72] SIGLOCK, JOHN V., US

[72] GLASGOW, SHAWN J., US

[72] NOWELL, ANDREW JOHN, GB

[73] MILBANK MANUFACTURING CO.,

[85] 2015-05-27

[86] 2014-01-16 (PCT/US2014/011878)

[87] (WO2014/113582)

[30] US (61/754,307) 2013-01-18

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,892,893**
[13] C

[51] **Int.Cl. A61L 27/58 (2006.01)**
[25] EN
[54] **ABSORBANT AND REFLECTING BIOCOMPATIBLE DYES FOR HIGHLY ACCURATE MEDICAL IMPLANTS**

[54] **COLORANTS BIOCOMPATIBLES ABSORBANTS ET REFLECHISSANTS POUR IMPLANTS MEDICAUX EXTREMEMENT PRECIS**

[72] DEAN, H. DAVID, US
[72] SIBLANI, AL, US
[72] FISHER, JOHN P., US
[72] MIKOS, ANTONIOS G., US
[72] MOTT, ERIC J., US
[72] WANG, MARTHA O., US
[73] DEAN, H. DAVID,
[73] SIBLANI, AL,
[73] FISHER, JOHN P.,
[73] MIKOS, ANTONIOS G.,
[73] MOTT, ERIC J.,
[73] WANG, MARTHA O.,
[85] 2015-05-25
[86] 2013-12-02 (PCT/US2013/072623)
[87] (WO2014/085809)
[30] US (61/731,843) 2012-11-30
[30] US (13/817,612) 2013-07-26

[11] **2,892,938**
[13] C

[51] **Int.Cl. B21J 1/02 (2006.01) C21D 7/10 (2006.01) C22F 1/10 (2006.01) C22F 1/18 (2006.01)**

[25] EN
[54] **SPLIT-PASS OPEN-DIE FORGING FOR HARD-TO-FORGE, STRAIN-PATH SENSITIVE TITANIUM-BASE AND NICKEL-BASE ALLOYS**

[54] **FORGEAGE LIBRE A PASSE PARTAGEE POUR DES ALLIAGES A BASE DE TITANE ET A BASE DE NICKEL SENSIBLES A UN CHEMIN DE DEFORMATION SOUS CONTRAINTE ET DIFFICILES A FORGER**

[72] THOMAS, JEAN-PHILIPPE A., US
[72] MINISANDRAM, RAMESH S., US
[72] FLODER, JASON P., US
[72] SMITH, GEORGE J., JR., US
[73] ATI PROPERTIES LLC,
[85] 2015-05-28
[86] 2014-03-03 (PCT/US2014/019788)
[87] (WO2014/149594)
[30] US (13/844,545) 2013-03-15

[11] **2,892,964**
[13] C

[51] **Int.Cl. F16D 21/06 (2006.01) F16D 25/0638 (2006.01)**

[25] EN
[54] **DUAL CLUTCH COMPRISING TWO CLUTCH UNITS WHICH ACT IN A FORCE-FITTING MANNER**

[54] **DOUBLE EMBRAYAGE COMPRENANT DEUX UNITES D'EMBRAYAGE FONCTIONNANT A FORCE**

[72] DATEMA, HENDRIK, DE
[72] GLOMMER, MATTHIAS, DE
[72] HASEKER, THOMAS, DE
[73] STROMAG GMBH,
[85] 2015-05-26
[86] 2013-12-10 (PCT/EP2013/076116)
[87] (WO2014/090817)
[30] DE (10 2012 222 915.9) 2012-12-12

[11] **2,892,988**
[13] C

[51] **Int.Cl. G07C 5/00 (2006.01)**

[25] EN
[54] **DRIVING ANALYZER AND DRIVING ANALYZING METHOD FOR HAULAGE VEHICLES**

[54] **ANALYSEUR DE CONDUITE ET METHODE D'ANALYSE DE CONDUITE DES VEHICULES DE REMORQUAGE**

[72] YAMAMOTO, YASUKO, JP
[72] MITO, KAZUOMI, JP
[73] KOMATSU LTD.,
[85] 2015-02-24
[86] 2014-03-12 (PCT/JP2014/056539)
[87] (WO2015/136647)

[11] **2,893,017**
[13] C

[51] **Int.Cl. B61K 9/08 (2006.01)**

[25] EN
[54] **LIGHT EMISSION POWER CONTROL APPARATUS AND METHOD**

[54] **APPAREIL DE COMMANDE DE PUISSANCE D'EMISSION DE LUMIERE ET METHODE**

[72] MESHER, DAREL, CA
[73] TETRA TECH, INC.,
[86] (2893017)
[87] (2893017)
[22] 2015-05-29
[30] US (62/104,888) 2015-01-19

[11] **2,893,248**
[13] C

[51] **Int.Cl. F01D 5/02 (2006.01) F16B 1/00 (2006.01) F16F 15/34 (2006.01) G01M 1/32 (2006.01)**

[25] FR
[54] **METHOD FOR BALANCING A TURBOMACHINE ROTOR AND ROTOR BALANCED BY SUCH A METHOD**

[54] **PROCEDE D'EQUILIBRAGE D'UN ROTOR DE TURBOMACHINE ET ROTOR EQUILIBRE PAR UN TEL PROCEDE**

[72] NICQ, GEOFFROY MARIE GERARD, FR
[73] SNECMA,
[85] 2015-05-29
[86] 2013-12-03 (PCT/FR2013/052926)
[87] (WO2014/091115)
[30] FR (1261830) 2012-12-10

[11] **2,893,312**
[13] C

[51] **Int.Cl. E21B 37/00 (2006.01) E21B 43/247 (2006.01)**

[25] EN
[54] **DEVICE AND METHOD FOR WELL STIMULATION**

[54] **DISPOSITIF ET PROCEDE DE STIMULATION D'UN FORAGE**

[72] STEHLE, VLADIMIR, DE
[72] SIEMER, KONRAD, DE
[72] HANTUSCH, JAN, DE
[72] ANGENENDT, WERNER, DE
[73] ELEKTRO-THERMIT GMBH & CO. KG,
[85] 2015-06-01
[86] 2013-12-03 (PCT/EP2013/075344)
[87] (WO2014/090630)
[30] EP (12197036.2) 2012-12-13

**Canadian Patents Issued
March 24, 2020**

[11] **2,893,425**
[13] C

[51] **Int.Cl. A61B 1/012 (2006.01) A61F 2/95 (2013.01) A61F 2/958 (2013.01) A61B 1/005 (2006.01)**

[25] EN

[54] **DEVICE FOR SURGICAL TREATMENT OF INTESTINAL OBSTRUCTIONS AND USE OF SAME**

[54] **DISPOSITIF DE TRAITEMENT CHIRURGICAL D'OBSTRUCTIONS INTESTINALES ET UTILISATION ASSOCIEE**

[72] RYKLINA, ELENA PROKOPIEVNA, RU

[72] SUTURIN, VICTOR MIKHAILOVICH, AU

[72] PROKOSHKIN, SERGEY DMITRIEVICH, RU

[72] SOUTORINE, MIKHAIL VLADIMIROVICH, AU

[72] KHMELEVSKAYA, IRINA YURIEVNA, RU

[72] CHERNOV-KHARAEV, ARTEM NIKOLAEVICH, RU

[72] KOROTITSKIY, ANDREY VIKTOROVICH, RU

[73] GLOBETEK 2000 PTY LTD,

[73] THE FEDERAL STATE AUTONOMOUS EDUCATIONAL INSTITUTION OF THE HIGHER PROSSIONAL EDUCATION "NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY "MISI,

[85] 2015-06-01

[86] 2012-10-18 (PCT/RU2012/000840)

[87] (WO2013/095188)

[30] RU (2011151657) 2011-12-19

[11] **2,893,747**
[13] C

[51] **Int.Cl. G01V 3/26 (2006.01) E21B 47/024 (2006.01) E21B 47/09 (2012.01) G01V 3/34 (2006.01) G01V 3/38 (2006.01) E21B 7/04 (2006.01)**

[25] EN

[54] **APPARATUS AND METHODS TO FIND A POSITION IN AN UNDERGROUND FORMATION**

[54] **APPAREIL ET PROCEDES DE DETERMINATION D'UNE POSITION DANS UNE FORMATION SOUTERRAINE**

[72] SANMARTIN, LUIS, US

[72] GUNER, BARIS, US

[72] DONDERICI, BURKAY, US

[73] HALLIBURTON ENERGY SERVICES, INC.,

[85] 2015-06-03

[86] 2012-12-31 (PCT/US2012/072326)

[87] (WO2014/105087)

[11] **2,894,233**
[13] C

[51] **Int.Cl. H01M 10/052 (2010.01) H01M 4/131 (2010.01) H01M 4/525 (2010.01) H01M 10/0565 (2010.01) H01M 10/058 (2010.01) H01M 2/10 (2006.01) H01M 2/16 (2006.01) H01M 4/36 (2006.01)**

[25] EN

[54] **BATTERY WITH IMPROVED CYCLE CHARACTERISTICS, BATTERY PACK, ELECTRONIC APPARATUS, ELECTRICALLY DRIVEN VEHICLE, ELECTRICAL STORAGE DEVICE, AND POWER SYSTEM**

[54] **BATTERIE AYANT DES CARACTERISTIQUES DE CYCLE AMELIOREES, BLOC-BATTERIE, APPAREIL ELECTRONIQUE, VEHICULE ENTRAINE ELECTRIQUEMENT, DISPOSITIF DE STOCKAGE D'ELECTRICITE ET SYSTEME D'ALIMENTATION**

[72] ABE, TOMOHIRO, JP

[72] TAKAGI, KENTARO, JP

[73] MURATA MANUFACTURING CO., LTD.,

[85] 2015-06-08

[86] 2014-08-21 (PCT/JP2014/004280)

[87] (WO2015/056385)

[30] JP (2013-215006) 2013-10-15

[11] **2,894,308**
[13] C

[51] **Int.Cl. B23Q 39/04 (2006.01) B64F 5/10 (2017.01) B25J 5/00 (2006.01)**

[25] EN

[54] **MOBILE PLATFORMS FOR PERFORMING OPERATIONS ALONG AN EXTERIOR OF A FUSELAGE ASSEMBLY**

[54] **PLATEFORMES MOBILES SERVANT A L'EXECUTION DE TRAVAUX A L'EXTERIEUR D'UN FUSELAGE**

[72] OBEROI, HARINDER, US

[72] REESE IV, RICHARD GRIFFITH, US

[72] BARRICK, KEVIN MARION, US

[72] DO, QUANG T., US

[72] MILLER, JEFFREY LAWRENCE, US

[72] STOJANOSKI, VANCO, US

[73] THE BOEING COMPANY,

[86] (2894308)

[87] (2894308)

[22] 2015-06-15

[30] US (62/022,641) 2014-07-09

[30] US (14/558,933) 2014-12-03

[11] **2,894,571**
[13] C

[51] **Int.Cl. A01B 73/02 (2006.01) A01B 73/04 (2006.01) A01B 73/06 (2006.01)**

[25] EN

[54] **AGRICULTURAL TOOLBAR LINE ROUTING SYSTEMS AND APPARATUS**

[54] **SYSTEMES ET APPAREIL D'ACHEMINEMENT DE LIGNES DE BARRE D'OUTILS AGRICOLE**

[72] KOCH, DALE, US

[73] PRECISION PLANTING LLC,

[85] 2015-06-09

[86] 2013-12-17 (PCT/US2013/075804)

[87] (WO2014/100002)

[30] US (61/738,313) 2012-12-17

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,894,815**
[13] C

[51] **Int.Cl. A61L 33/12 (2006.01) A61K 38/36 (2006.01)**

[25] EN

[54] **TISSUE SEALANT IN WHICH COLLAGEN AND FIBRIN ARE MIXED, AND METHOD FOR PREPARING SAME**

[54] **PRODUIT D'ETANCHEITE DE TISSU, DANS LEQUEL SONT MELANGES DU COLLAGENE ET DE LA FIBRINE, ET SON PROCEDE DE PREPARATION**

[72] YOO, JI CHUL, KR
[72] YEO, SE KEN, KR
[72] KIM, JANG HOON, KR
[72] LEE, JUN KEUN, KR
[72] SUH, DONG SAM, KR
[72] CHANG, CHEONG HO, KR
[73] SEWONCELLONTEC CO., LTD.,
[85] 2015-06-11
[86] 2013-01-09 (PCT/KR2013/000143)
[87] (WO2014/092239)
[30] KR (10-2012-0143519) 2012-12-11

[11] **2,895,052**
[13] C

[51] **Int.Cl. C08F 10/02 (2006.01) C08F 6/10 (2006.01)**

[25] EN

[54] **POLYETHYLENE PRODUCTION WITH MULTIPLE POLYMERIZATION REACTORS**

[54] **PRODUCTION DE POLYETHYLENE AVEC PLUSIEURS REACTEURS DE POLYMERISATION**

[72] BHANDARKAR, MARUTI, US
[72] BENHAM, ELIZABETH ANN, US
[72] GILL, CATHERINE M., US
[72] GONZALES, REBECCA A., US
[72] KUFELD, SCOTT E., US
[72] MUTCHLER, JOEL A., US
[72] NGUYEN, THANH T., US
[72] ODI, TIMOTHY O., US
[73] CHEVRON PHILLIPS CHEMICAL COMPANY LP,
[85] 2015-06-12
[86] 2013-12-04 (PCT/US2013/073054)
[87] (WO2014/093088)
[30] US (13/713,207) 2012-12-13

[11] **2,895,060**
[13] C

[51] **Int.Cl. E06B 9/322 (2006.01) E06B 9/42 (2006.01)**

[25] EN

[54] **IMPROVED SINGLE-CORD TYPE BLIND**

[54] **STORE AMELIORE DE TYPE A UNE SEULE CORDE**

[72] KWAK, JAE SUK, KR
[73] KWAK, JAE SUK,
[73] FANDIS S.P.A.,
[85] 2015-06-12
[86] 2013-10-16 (PCT/KR2013/009227)
[87] (WO2014/092324)
[30] KR (10-2012-0145538) 2012-12-13

[11] **2,895,246**
[13] C

[51] **Int.Cl. A43B 5/04 (2006.01) A43B 5/16 (2006.01) A43C 11/16 (2006.01)**

[25] EN

[54] **TENSIONING SYSTEMS FOR FOOTWEAR**

[54] **SYSTEMES DE TENSION POUR ARTICLE CHAUSSANT**

[72] MODENA, TRISTAN, US
[72] GRELLA, JEFF, US
[73] VANS, INC.,
[85] 2015-06-15
[86] 2013-12-13 (PCT/US2013/075163)
[87] (WO2014/093913)
[30] US (61/737,628) 2012-12-14
[30] US (61/866,533) 2013-08-15

[11] **2,895,515**
[13] C

[51] **Int.Cl. G01N 1/38 (2006.01) G01N 33/48 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD USING DISSOLUTION ADDITIVE TO FACILITATE SAMPLE MIXING AND ANALYSIS**

[54] **APPAREIL ET METHODE D'UTILISATION DE LA DISSOLUTION ADDITIVE POUR FACILITER LE MELANGE D'ECHANTILLON ET L'ANALYSE**

[72] LALPURIA, NITEN V., IN
[72] UNFRICHT, DARRYN W., US
[72] NIKONOROV, IGOR, US
[72] PORTS, BENJAMIN, US
[72] OLSON, DOUGLAS R., US
[73] ABBOTT POINT OF CARE, INC.,
[86] (2895515)
[87] (2895515)
[22] 2011-12-08
[62] 2,820,046
[30] US (61/421,451) 2010-12-09

[11] **2,895,547**
[13] C

[51] **Int.Cl. B64C 1/06 (2006.01) B64C 3/20 (2006.01) B64C 11/26 (2006.01) F01D 5/28 (2006.01)**

[25] FR

[54] **ENERGY ABSORPTION DEVICE FOR AIRCRAFT STRUCTURAL ELEMENT**

[54] **DISPOSITIF D'ABSORPTION D'ENERGIE POUR ELEMENT DE STRUCTURE D'AERONEF**

[72] PETIOT, CAROLINE, FR
[72] BERMUDEZ, MICHEL, FR
[72] MESNAGE, DIDIER, FR
[73] EUROPEAN AERONAUTIC DEFENCE AND SPACE COMPANY EADS FRANCE,
[85] 2015-06-18
[86] 2013-12-16 (PCT/EP2013/076731)
[87] (WO2014/102082)
[30] FR (12 62895) 2012-12-27

**Canadian Patents Issued
March 24, 2020**

[11] **2,895,564**
[13] C

[51] **Int.Cl. B29C 70/54 (2006.01) B25J 15/00 (2006.01) B29C 31/08 (2006.01) B29C 70/30 (2006.01) B29C 70/38 (2006.01) B65H 3/00 (2006.01) B65H 5/08 (2006.01)**

[25] EN

[54] **FABRIC HANDLING APPARATUS**

[54] **DISPOSITIF DE MANIPULATION DE TISSU**

[72] JESS, ANDREW, IE

[72] BOWMAN, LYNSEY, IE

[72] FRAZER, PAUL, IE

[73] SHORT BROTHERS PLC,

[85] 2015-06-18

[86] 2012-12-21 (PCT/EP2012/076793)

[87] (WO2014/094903)

[11] **2,896,287**
[13] C

[51] **Int.Cl. E21B 21/08 (2006.01) E21B 47/18 (2012.01)**

[25] EN

[54] **CONTROLLED FULL FLOW PRESSURE PULSER FOR MEASUREMENT WHILE DRILLING (MWD) DEVICE**

[54] **GENERATEUR D'IMPULSIONS DE PRESSION D'ECOULEMENT COMPLET REGULE POUR DISPOSITIF DE MESURE EN FORAGE (« MEASURE WHILE DRILLING » OU MWD)**

[72] MACDONALD, ROBERT, US

[72] VECSERI, GABOR, US

[72] JENNINGS, BENJAMIN, US

[73] MACDONALD, ROBERT,

[73] VECSERI, GABOR,

[73] JENNINGS, BENJAMIN,

[85] 2015-06-23

[86] 2013-02-08 (PCT/US2013/025323)

[87] (WO2013/148005)

[30] US (13/368,997) 2012-08-21

[11] **2,896,371**
[13] C

[51] **Int.Cl. C10G 65/04 (2006.01) C10G 67/04 (2006.01) C10G 69/02 (2006.01) C10G 73/44 (2006.01) C10M 101/00 (2006.01)**

[25] EN

[54] **PRODUCTION OF BASE OILS FROM PETROLATUM**

[54] **PRODUCTION D'HUILES DE BASE A PARTIR DE PETROLATUM**

[72] KIM, JEENOK T., US

[72] SCHLEICHER, GARY PAUL, US

[72] OUMAR-MAHAMAT, HALOU, US

[72] MONDOR, CHAD HINDEN, US

[73] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY,

[85] 2015-06-23

[86] 2014-03-05 (PCT/US2014/020478)

[87] (WO2014/158837)

[30] US (61/781,785) 2013-03-14

[11] **2,896,479**
[13] C

[51] **Int.Cl. C10B 39/00 (2006.01) C10B 29/00 (2006.01) C10B 45/00 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR IMPROVED COKE QUENCHING**

[54] **PROCEDES ET SYSTEMES D'AMELIORATION DE L'EXTINCTION DU COKE**

[72] QUANCI, JOHN FRANCIS, US

[72] ESSMAN, JOHN SHANNON, US

[72] BOND, JAMES ERIC, US

[72] CHOI, CHUN WAI, US

[72] VICHITVONGSA, KHAMBATH, US

[73] SUNCOKE TECHNOLOGY AND DEVELOPMENT LLC.,

[85] 2015-06-25

[86] 2012-12-28 (PCT/US2012/072187)

[87] (WO2014/105068)

[11] **2,896,569**
[13] C

[51] **Int.Cl. A61K 8/27 (2006.01) A61K 8/20 (2006.01) A61K 8/41 (2006.01) A61K 8/44 (2006.01) A61Q 11/00 (2006.01)**

[25] EN

[54] **ORAL CARE COMPOSITIONS COMPRISING ZINC AMINO ACID HALIDES**

[54] **COMPOSITIONS DE SOIN BUCCAL CONTENANT DES HALOGENURES DE ZINC ET D'ACIDE AMINE**

[72] PAN, LONG, US

[72] YUAN, SHAOTANG, US

[72] PILCH, SHIRA, US

[72] MASTERS, JAMES G., US

[72] LIU, ZHIQIANG, US

[73] COLGATE-PALMOLIVE COMPANY,

[85] 2015-05-26

[86] 2012-12-19 (PCT/US2012/070525)

[87] (WO2014/098826)

[11] **2,896,639**
[13] C

[51] **Int.Cl. A62C 37/50 (2006.01) A62C 13/76 (2006.01)**

[25] EN

[54] **EQUIPMENT FOR THE REMOTE CONTROL OF FIRE EXTINGUISHERS AND/OR HYDRANTS**

[54] **EQUIPEMENT POUR COMMANDE A DISTANCE D'EXTINCTEURS ET/OU BORNES D'INCENDIE**

[72] PAOLO, BACCHIN, IT

[73] BP S.R.L.S.,

[85] 2015-06-26

[86] 2012-12-28 (PCT/IT2012/000405)

[87] (WO2014/102838)

[11] **2,897,177**
[13] C

[51] **Int.Cl. A47K 7/04 (2006.01) A61H 23/02 (2006.01)**

[25] EN

[54] **SKIN CLEANSER**

[54] **APPAREIL DE NETTOYAGE POUR LA PEAU**

[72] SEDIC, FILIP, CN

[73] SEDIC, FILIP,

[85] 2015-07-03

[86] 2014-01-07 (PCT/IB2014/000530)

[87] (WO2014/106812)

[30] US (61/749,751) 2013-01-07

[30] US (61/841,542) 2013-07-01

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,897,531**
[13] C

[51] **Int.Cl. B29C 49/48 (2006.01) B29C 49/04 (2006.01) B29C 49/54 (2006.01) B65D 1/16 (2006.01)**

[25] EN

[54] **HOLDER FOR A FLUID PRODUCT AND METHOD FOR MANUFACTURING SUCH A HOLDER.**

[54] **SUPPORT POUR PRODUIT FLUIDE ET PROCEDE DE FABRICATION DUDIT SUPPORT**

[72] STANDAERT, GEERT NORBERT R., BE

[73] CARDIFF GROUP, NAAMLOZE VENNOOTSCHAP,

[85] 2015-07-08

[86] 2014-01-13 (PCT/BE2014/000003)

[87] (WO2014/110633)

[30] BE (2013/0026) 2013-01-15

[11] **2,897,615**
[13] C

[51] **Int.Cl. E21B 23/00 (2006.01) E21B 29/00 (2006.01) E21B 31/03 (2006.01) E21B 43/11 (2006.01)**

[25] EN

[54] **METHOD FOR REMOVAL OF CASINGS IN AN UNDERGROUND WELL**

[54] **PROCEDE DE RETRAIT DE TUBAGE DANS UN Puits SOUTERRAIN**

[72] LARSEN, ARNE GUNNAR, NO

[72] ANDERSEN, PATRICK, NO

[72] JENSEN, ROY INGE, NO

[72] DAHL, ARNT OLAV, NO

[72] MYHRE, MORTEN, NO

[73] HYDRA WELL INTERVENTION AS,

[85] 2015-07-08

[86] 2013-03-04 (PCT/NO2013/050044)

[87] (WO2013/133718)

[30] NO (20120270) 2012-03-09

[11] **2,897,626**
[13] C

[51] **Int.Cl. C07K 14/525 (2006.01) A61K 38/19 (2006.01) A61P 35/00 (2006.01) C07K 14/52 (2006.01)**

[25] EN

[54] **HETEROLOGOUS POLYPEPTIDE OF THE TNF FAMILY**

[54] **POLYPEPTIDE HETEROLOGUE DE LA FAMILLE TNF**

[72] RENNERT, PAUL D., US

[72] THOMPSON, JEFFREY S., US

[72] AMBROSE, CHRISTINE, US

[72] CACHERO, TERESA G., US

[73] BIOGEN MA INC.,

[86] (2897626)

[87] (2897626)

[22] 2001-02-08

[62] 2,399,387

[30] US (60/181,670) 2000-02-11

[11] **2,897,795**
[13] C

[51] **Int.Cl. C08L 77/02 (2006.01) C08J 3/075 (2006.01) C08K 3/08 (2006.01) C08L 29/02 (2006.01) C09K 8/588 (2006.01) E21B 33/138 (2006.01)**

[25] EN

[54] **NANOGELS FOR DELAYED GELATION**

[54] **NANOGELS POUR GELIFICATION RETARDEE**

[72] GUAN, HUILI, US

[72] BERKLAND, CORY, US

[72] MORADI-ARAGHI, AHMAD, US

[72] LIANG, JENN-TAI, US

[72] CHRISTIAN, TERRY M., US

[72] NEEDHAM, RILEY B., US

[72] CHENG, MIN, US

[72] SCULLY, FAYE L., US

[72] HEDGES, JAMES H., US

[73] CONOCOPHILLIPS COMPANY,

[73] UNIVERSITY OF KANSAS,

[85] 2015-07-09

[86] 2013-12-30 (PCT/US2013/078216)

[87] (WO2014/113206)

[30] US (61/754,060) 2013-01-18

[11] **2,898,286**
[13] C

[51] **Int.Cl. G06Q 20/10 (2012.01)**

[25] EN

[54] **MANAGING MONEY MOVEMENT METHOD INVOLVING A PAYMENT SERVICE SYSTEM**

[54] **METHODE DE GESTION DE MOUVEMENT DE FONDS COMPORTANT UN MECANISME DE SERVICE DE PAIEMENT**

[72] DHINGRA, AMIT, US

[72] YUEN, BILLY, US

[73] INTUIT INC.,

[85] 2015-07-23

[86] 2014-10-30 (PCT/US2014/063166)

[87] (WO2016/068939)

[30] US (14/526,327) 2014-10-28

[11] **2,899,042**
[13] C

[51] **Int.Cl. G06F 13/14 (2006.01)**

[25] EN

[54] **PROGRAMMABLE INTERFACE CIRCUIT FOR COUPLING FIELD DEVICES TO PROCESS CONTROLLERS**

[54] **CIRCUIT D'INTERFACE PROGRAMMABLE POUR CONNECTER DES DISPOSITIFS DE TERRAIN A UN SYSTEME DE COMMANDE DE PROCESSUS**

[72] GERHART, PAUL, US

[72] LADAS, CHRISTOPHER, US

[72] LORDI, ANGELA, US

[72] STAD, BENJAMIN J., US

[73] HONEYWELL INTERNATIONAL INC.,

[85] 2015-07-22

[86] 2014-01-16 (PCT/US2014/011784)

[87] (WO2014/120452)

[30] US (13/753,108) 2013-01-29

**Canadian Patents Issued
March 24, 2020**

[11] **2,899,147**
[13] C

[51] **Int.Cl. A61K 36/756 (2006.01) A61K 35/56 (2015.01) A61P 17/02 (2006.01) A61P 19/04 (2006.01) A61P 19/08 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION FOR TREATING THERMAL INJURIES AND WOUNDS COMBINED WITH BONE INJURIES COMPOSITIONS PHARMACEUTIQUES POUR TRAITER DES LESIONS ET PLAIES THERMIQUES COMBINEES A DES LESIONS OSSEUSES**

[72] XU, RONGXIANG, CN
[73] XU, KEVIN PENG,
[85] 2015-07-22
[86] 2013-05-29 (PCT/CN2013/076412)
[87] (WO2014/114045)
[30] CN (201310027487.8) 2013-01-24

[11] **2,899,149**
[13] C

[51] **Int.Cl. B01D 53/94 (2006.01) B01J 21/06 (2006.01) B01J 23/16 (2006.01) B01J 23/44 (2006.01)**

[25] EN

[54] **METHOD AND CATALYST FOR THE SIMULTANEOUS REMOVAL OF CARBON MONOXIDE AND NITROGEN OXIDES FROM FLUE OR EXHAUST GAS PROCEDE ET CATALYSEUR POUR LE RETRAIT SIMULTANE DE MONOXYDE DE CARBONE ET D'OXYDES D'AZOTE DE GAZ DE CHEMINEE OU D'ECHAPPEMENT**

[72] CASTELLINO, FRANCESCO, DK
[72] LUCASSEN HANSEN, VIGGO, DK
[73] HALDOR TOPSOE A/S,
[85] 2015-07-23
[86] 2014-02-03 (PCT/EP2014/052043)
[87] (WO2014/124830)
[30] DK (PA 2013 00091) 2013-02-14

[11] **2,899,487**
[13] C

[51] **Int.Cl. H02K 5/24 (2006.01) B66D 1/12 (2006.01) H02K 7/14 (2006.01) E21B 19/00 (2006.01)**

[25] EN

[54] **DIRECT DRIVE DRAWWORKS WITH BEARINGLESS MOTOR TREUILS DE FORAGE A ENTRAINEMENT DIRECT DOTES D'UN MOTEUR SANS PALIER**

[72] KUTTEL, BEAT, US
[72] YOUSEF, FAISAL, US
[72] WILLIAMS, KEVIN R., US
[72] ELLIS, BRIAN, US
[73] NABORS DRILLING TECHNOLOGIES USA, INC.,
[86] (2899487)
[87] (2899487)
[22] 2015-07-31
[30] US (62/032,880) 2014-08-04
[30] US (62/099,258) 2015-01-02

[11] **2,899,534**
[13] C

[51] **Int.Cl. B23K 11/30 (2006.01) G01N 21/88 (2006.01) G01N 21/94 (2006.01)**

[25] EN

[54] **AN OPTICAL DEVICE FOR DETECTING QUALITY OF WELDING GUN ELECTRODES DISPOSITIF OPTIQUE POUR DETECTER LA QUALITE D'ELECTRODES DE PISTOLET A SOUDER**

[72] LEUCKEFELD, MICHAEL, DE
[72] KNOBBE, JENS, DE
[72] PUGNER, TINO, DE
[73] SINTERLEGHE S.R.L.,
[85] 2015-07-28
[86] 2013-08-01 (PCT/EP2013/066201)
[87] (WO2015/014404)

[11] **2,899,676**
[13] C

[51] **Int.Cl. G06F 3/041 (2006.01) G01L 1/18 (2006.01)**

[25] EN

[54] **ELECTRONIC SKIN, PREPARATION METHOD AND USE THEREOF PEAU ELECTRONIQUE, PROCEDE DE PREPARATION ET UTILISATION**

[72] ZHANG, TING, CN
[72] WANG, XUEWEN, CN
[72] XIONG, ZUOPING, CN
[72] GU, YANG, CN
[72] GU, WEN, CN
[73] SUZHOU INSTITUTE OF NANO-TECH AND NANO-BIONICS (SINANO), CHINESE ACADE OF SCIENCES,
[85] 2015-07-29
[86] 2014-01-28 (PCT/CN2014/071631)
[87] (WO2014/117724)
[30] CN (201310034478.1) 2013-01-29
[30] CN (201310507497.1) 2013-10-24
[30] CN (201310508179.7) 2013-10-24
[30] CN (201310693411.9) 2013-12-17

[11] **2,899,831**
[13] C

[51] **Int.Cl. A61M 36/00 (2006.01) A61M 36/04 (2006.01) C01C 1/00 (2006.01)**

[25] EN

[54] **SYSTEM FOR DELIVERY OF FLUIDS SUCH AS AMMONIA NITROGEN 13 MECANISME DE LIVRAISON DE LIQUIDES COMME L'AZOTE AMMONIACAL 13**

[72] BARS, EROL, US
[73] BARS, EROL,
[86] (2899831)
[87] (2899831)
[22] 2015-08-07
[30] US (62/034,632) 2014-08-07

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,899,878**

[13] C

- [51] **Int.Cl. G06F 21/36 (2013.01)**
[25] EN
[54] **AUTHENTICATION USING A
SUBSET OF A USER-KNOWN
CODE SEQUENCE**
[54] **AUTHENTIFICATION A L'AIDE
D'UN SOUS-ENSEMBLE D'UNE
SEQUENCE DE CODE CONNUE
PAR L'UTILISATEUR**
[72] RITTLE, LOREN J., US
[72] MOHAPUTRA, SHIVAJIT, US
[72] WILLIAMS, JAY J., US
[72] SHAH, KRUNAL S., US
[73] ARRIS ENTERPRISES LLC,
[85] 2015-07-30
[86] 2014-01-30 (PCT/US2014/013765)
[87] (WO2014/120881)
[30] US (13/754,101) 2013-01-30

[11] **2,900,185**

[13] C

- [51] **Int.Cl. C10L 3/08 (2006.01) C10K
3/02 (2006.01)**
[25] EN
[54] **A PROCESS FOR CATALYTIC
GASIFICATION OF
CARBONACEOUS FEEDSTOCK**
[54] **PROCEDE POUR LA
GAZEIFICATION CATALYTIQUE
D'UNE CHARGE
D'ALIMENTATION CARBONEE**
[72] DAGGUPATI, SATEESH, IN
[72] MANDAL, SUKUMAR, IN
[72] DAS, ASIT KUMAR, IN
[72] SAPRE, AJIT VISHWANATH, US
[73] RELIANCE INDUSTRIES LIMITED,
[85] 2015-08-04
[86] 2013-12-18 (PCT/IN2013/000778)
[87] (WO2014/122668)
[30] IN (334/MUM/2013) 2013-02-05

[11] **2,900,243**

[13] C

- [51] **Int.Cl. H04L 9/28 (2006.01) G06F
21/62 (2013.01) B61L 25/00 (2006.01)
H04L 9/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR
PROTECTING TRAIN EVENT
DATA**
[54] **SYSTEME ET PROCEDE
PERMETTANT DE PROTEGER
DES DONNEES D'EVENEMENTS
DE TRAIN**
[72] KURZ, BRIAN E., US
[73] WABTEC HOLDING CORP.,
[85] 2015-08-04
[86] 2014-02-24 (PCT/US2014/017960)
[87] (WO2014/137643)
[30] US (61/772,246) 2013-03-04

[11] **2,900,880**

[13] C

- [51] **Int.Cl. B07B 7/083 (2006.01) B07B
9/02 (2006.01)**
[25] EN
[54] **CLASSIFIER AND METHOD FOR
OPERATING A CLASSIFIER**
[54] **SEPARATEUR ET PROCEDE
POUR FAIRE FONCTIONNER UN
SEPARATEUR**
[72] HAGEMEIER, OLAF, DE
[72] MELIES, KASTEN, DE
[72] WUWER, MATTHIAS, DE
[72] SCHULTE, LUDGER, DE
[73] THYSSENKRUPP INDUSTRIAL
SOLUTIONS AG,
[85] 2015-08-11
[86] 2014-02-10 (PCT/EP2014/052543)
[87] (WO2014/124899)
[30] DE (10 2013 101 517.4) 2013-02-15

[11] **2,900,904**

[13] C

- [51] **Int.Cl. A61B 5/00 (2006.01) A61B
5/022 (2006.01) A61B 5/1455 (2006.01)**
[25] EN
[54] **PERSONAL HEALTH DATA
COLLECTION**
[54] **COLLECTE DE DONNEES
MEDICALES PERSONNELLES**
[72] ELLIOTT, CHRISTOPHER, CH
[72] JONES, MARK-ERIC, CH
[72] NAGOGA, MIKHAIL, CH
[72] GAWAD, SHADY, CH
[72] KLEIN, GABRIEL, CH
[73] LEMAN MICRO DEVICES SA,
[85] 2015-08-11
[86] 2014-02-13 (PCT/IB2014/058969)
[87] (WO2014/125431)
[30] GB (1302548.1) 2013-02-13
[30] GB (1316914.9) 2013-09-23
[30] GB (1316915.6) 2013-09-23

[11] **2,900,933**

[13] C

- [51] **Int.Cl. H04B 1/10 (2006.01) H04B
1/16 (2006.01) H04L 27/01 (2006.01)**
[25] EN
[54] **SYSTEM FOR AND METHOD OF
REMOVING UNWANTED INBAND
SIGNALS FROM A RECEIVED
COMMUNICATION SIGNAL**
[54] **SYSTEME ET PROCEDE DE
SUPPRESSION DE SIGNAUX
INTRA-BANDES INTEMPESTIFS,
A PARTIR D'UN SIGNAL DE
COMMUNICATION RECU**
[72] DOWNEY, MICHAEL L., US
[72] CHU, JEFFREY C., US
[73] GLOWLINK COMMUNICATIONS
TECHNOLOGY, INC.,
[85] 2015-08-10
[86] 2014-02-20 (PCT/US2014/017519)
[87] (WO2014/133874)
[30] US (13/778,079) 2013-02-26

**Canadian Patents Issued
March 24, 2020**

[11] **2,901,166**
[13] C

[51] **Int.Cl. A61K 9/36 (2006.01) A61K 31/606 (2006.01) A61K 45/00 (2006.01) A61K 47/32 (2006.01) A61K 47/38 (2006.01) A61P 1/04 (2006.01)**

[25] EN
[54] **ENTERIC COATED TABLET**
[54] **COMPRIME ENROBE GASTRO-RESISTANT**
[72] RYU, AKIO, JP
[72] OSADA, MIYAKO, JP
[73] ZERIA PHARMACEUTICAL CO., LTD.,
[85] 2015-08-13
[86] 2014-02-21 (PCT/JP2014/054104)
[87] (WO2014/129568)
[30] JP (2013-032759) 2013-02-22

[11] **2,901,238**
[13] C

[51] **Int.Cl. C40B 30/04 (2006.01) C07K 16/00 (2006.01) C40B 20/00 (2006.01) C40B 30/00 (2006.01) C40B 40/10 (2006.01) G01N 33/53 (2006.01)**

[25] EN
[54] **METHODS FOR ANTIBODY ENGINEERING**
[54] **METHODES POUR UNE INGENIERIE D'ANTICORPS**
[72] COUTO, FERNANDO JOSE REBELO DO, US
[72] HENDRICKS, KRISTIN B., US
[72] WALLACE, STACEY ELLEN, US
[72] YU, GUO-LIANG, US
[73] EPITOMICS, INC.,
[86] (2901238)
[87] (2901238)
[22] 2005-11-02
[62] 2,585,742
[30] US (10/984,473) 2004-11-08

[11] **2,901,273**
[13] C

[51] **Int.Cl. B65D 77/06 (2006.01)**

[25] EN
[54] **SECURITY TAP FOR LIQUID CONTAINERS**
[54] **ROBINET DE SECURITE POUR RECIPIENTS DE LIQUIDE**
[72] ORTEGA COLLADO, SANTOS, ES
[73] SANTOS ORTEGA COLLADO,
[85] 2015-08-13
[86] 2013-02-18 (PCT/ES2013/000037)
[87] (WO2014/125131)

[11] **2,901,780**
[13] C

[51] **Int.Cl. G02B 26/08 (2006.01) G03B 21/00 (2006.01)**

[25] EN
[54] **PROJECTOR OPTIMIZED FOR MODULATOR DIFFRACTION EFFECTS**
[54] **PROJECTEUR OPTIMISE POUR EFFETS DE DIFFRACTION DE MODULATEUR**
[72] KURTZ, ANDREW F., US
[72] NOTHHARD, GARY E., US
[73] IMAX THEATRES INTERNATIONAL LIMITED,
[85] 2015-08-19
[86] 2013-03-15 (PCT/US2013/032088)
[87] (WO2014/142967)

[11] **2,901,992**
[13] C

[51] **Int.Cl. H01J 49/16 (2006.01) G01N 27/447 (2006.01) G01N 30/72 (2006.01)**

[25] EN
[54] **SHEATHLESS INTERFACE FOR COUPLING CAPILLARY ELECTROPHORESIS WITH MASS SPECTROMETRY**
[54] **INTERFACE SANS GAINÉ PERMETTANT LE COUPLAGE DE L'ELECTROPHORESE CAPILLAIRE AVEC LA SPECTROMETRIE DE MASSE**
[72] WANG, CHENCHEN, US
[72] TANG, KEQI, US
[72] SMITH, RICHARD D., US
[73] BATTELLE MEMORIAL INSTITUTE,
[73] UNIVERSITY OF MARYLAND,
[85] 2015-08-20
[86] 2013-10-09 (PCT/US2013/064011)
[87] (WO2014/137398)
[30] US (13/788,854) 2013-03-07

[11] **2,902,025**
[13] C

[51] **Int.Cl. B60R 9/04 (2006.01)**

[25] EN
[54] **ROOF RAIL RETAINER, ROOF RAIL ASSEMBLY, AND VEHICLE HAVING THE ROOF RAIL ASSEMBLY**
[54] **SUPPORT DE GALERIE DE TOIT AINSI QUE SYSTEME DE GALERIE DE TOIT, ET VEHICULE EQUIPE D'UN TEL SYSTEME DE GALERIE DE TOIT**
[72] BINDER, HANS, DE
[72] BINDER, OTTMAR, DE
[72] SIRRENBERG, STEFAN, DE
[72] HIPPE, MARCUS, DE
[73] SUDDEUTSCHE ALUMINIUM MANUFAKTUR GMBH,
[85] 2015-08-20
[86] 2014-01-08 (PCT/EP2014/050221)
[87] (WO2014/131530)
[30] DE (10 2013 003 133.8) 2013-02-26

[11] **2,902,243**
[13] C

[51] **Int.Cl. A01D 87/00 (2006.01) A01D 89/00 (2006.01)**

[25] EN
[54] **BALE CLAMP**
[54] **PINCE A BALLES**
[72] WALLACE, PHILLIP D., AU
[73] RAXEL PTY LTD,
[85] 2015-08-24
[86] 2014-03-11 (PCT/AU2014/000234)
[87] (WO2014/138780)
[30] AU (2013900829) 2013-03-11

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,902,864**
[13] C

[51] **Int.Cl. C25B 5/00 (2006.01) H01M 8/0637 (2016.01) H01M 8/0668 (2016.01) C01B 3/02 (2006.01) C01B 3/50 (2006.01) C12P 7/06 (2006.01) H01M 8/14 (2006.01)**

[25] EN

[54] **INTEGRATION OF MOLTEN CARBONATE FUEL CELLS WITH FERMENTATION PROCESSES**

[54] **INTEGRATION DE PILES A COMBUSTIBLE A CARBONATE FONDU A DES PROCESSUS DE FERMENTATION**

[72] BERLOWITZ, PAUL J., US

[72] BARCKHOLTZ, TIMOTHY ANDREW, US

[72] LEE, ANITA S., US

[73] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY,

[85] 2015-08-27

[86] 2014-03-13 (PCT/US2014/025219)

[87] (WO2014/151215)

[30] US (61/787,879) 2013-03-15

[30] US (61/787,587) 2013-03-15

[30] US (61/787,697) 2013-03-15

[30] US (61/788,628) 2013-03-15

[30] US (61/884,565) 2013-09-30

[30] US (61/884,605) 2013-09-30

[30] US (61/884,635) 2013-09-30

[30] US (61/884,376) 2013-09-30

[30] US (61/884,586) 2013-09-30

[30] US (61/884,545) 2013-09-30

[30] US (61/889,757) 2013-10-11

[11] **2,903,126**
[13] C

[51] **Int.Cl. C07K 19/00 (2006.01) A61K 31/14 (2006.01) A61K 39/295 (2006.01) A61P 31/12 (2006.01) A61P 37/04 (2006.01) C07K 14/18 (2006.01) C12N 7/01 (2006.01) C12N 15/40 (2006.01) C12N 15/62 (2006.01) C12N 15/86 (2006.01)**

[25] EN

[54] **CONSTRUCTION OF WEST NILE VIRUS AND DENGUE VIRUS CHIMERAS FOR USE IN A LIVE VIRUS VACCINE TO PREVENT DISEASE CAUSED BY WEST NILE VIRUS**

[54] **PRODUCTION DE CHIMERES DU VIRUS DE LA DENGUE ET DU VIRUS DU NIL OCCIDENTAL EN VUE DE LEUR UTILISATION DANS UN VACCIN CONTRE LE VIRUS VIVANT A TITRE DE PREVENTION DE LA MALADIE PROVOQUEE PAR LE VIRUS DU NIL OCCIDENTAL**

[72] PLETNEV, ALEXANDER G., US

[72] PUTNAK, JOSEPH R., US

[72] CHANOCK, ROBERT M., US

[72] MURPHY, BRIAN R., US

[72] WHITEHEAD, STEPHEN S., US

[72] BLANEY, JOSEPH E., JR., US

[73] THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE CRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES,

[73] WALTER REED ARMY INSTITUTE OF RESEARCH,

[86] (2903126)

[87] (2903126)

[22] 2003-01-09

[62] 2,472,468

[30] US (60/347,281) 2002-01-10

[11] **2,903,513**
[13] C

[51] **Int.Cl. B61F 1/00 (2006.01) B61D 3/10 (2006.01)**

[25] EN

[54] **METHOD OF MANUFACTURING A MULTIPLE AXLE RAILCAR HAVING A SPAN BOLSTER**

[54] **METHODE DE FABRICATION D'UN WAGON PORTE-RAILS MULTI-ESSIEU DOTE D'UNE TRAVERSE PIVOT DE TRAVEE**

[72] ODDEN, JON, US

[72] STULL, DAVE, US

[73] KASGRO RAIL CORP.,

[85] 2015-09-08

[86] 2015-04-30 (PCT/US2015/028569)

[87] (WO2016/073031)

[30] US (62/074,124) 2014-11-03

[11] **2,903,713**
[13] C

[51] **Int.Cl. B60K 15/10 (2006.01) B60K 15/00 (2006.01) B60K 15/05 (2006.01) F02D 41/22 (2006.01)**

[25] EN

[54] **IGNITION DISCONNECT**

[54] **DECONNEXION DE L'ALLUMAGE**

[72] SLOAN, TODD, CA

[72] FORSBERG, CHRIS, CA

[72] LAYCOCK, JASON, CA

[73] AGILITY FUEL SYSTEMS LLC,

[85] 2015-09-02

[86] 2013-03-19 (PCT/US2013/033029)

[87] (WO2013/142536)

[30] US (61/612,902) 2012-03-19

[30] US (13/843,041) 2013-03-15

[11] **2,903,906**
[13] C

[51] **Int.Cl. F01C 3/06 (2006.01) F01C 3/08 (2006.01) F04C 18/54 (2006.01)**

[25] EN

[54] **DUAL AXIS ROTOR**

[54] **ROTOR A AXE DOUBLE**

[72] JUAN, ALEJANDRO, CA

[72] PATTERSON, CURTIS, CA

[72] FARRELL, ERIK, CA

[72] SCOTT, STEPHEN, CA

[72] FIOILKA, KYLE, CA

[73] EXPONENTIAL TECHNOLOGIES, INC.,

[85] 2015-09-03

[86] 2014-03-17 (PCT/CA2014/050287)

[87] (WO2014/139036)

[30] US (13/840,514) 2013-03-15

**Canadian Patents Issued
March 24, 2020**

[11] **2,904,023**
[13] C

[51] **Int.Cl. H04W 28/08 (2009.01) H04W 36/28 (2009.01) H04W 80/00 (2009.01) H04W 28/02 (2009.01)**

[25] EN

[54] **SENDING DATA RATE INFORMATION TO A WIRELESS ACCESS NETWORK NODE**

[54] **ENVOI D'INFORMATIONS DE DEBIT DE DONNEES A UN NœUD DE RESEAU D'ACCES SANS FIL**

[72] BLANKENSHIP, YUFEI WU, US

[72] CAI, ZHIJUN, US

[72] SONG, YI, US

[72] GAO, SHIWEI, CA

[73] BLACKBERRY LIMITED,

[85] 2015-09-03

[86] 2014-03-06 (PCT/US2014/021194)

[87] (WO2014/138395)

[30] US (13/789,931) 2013-03-08

[11] **2,905,276**
[13] C

[51] **Int.Cl. C08L 23/06 (2006.01) C08L 23/08 (2006.01)**

[25] EN

[54] **POLYMER FILMS HAVING IMPROVED HEAT SEALING PROPERTIES**

[54] **FILMS DE POLYMERES AYANT DES PROPRIETES DE THERMOSCELLAGE AMELIOREES**

[72] TSO, CHUNG C., US

[72] SUKHADIA, ASHISH M., US

[72] MASINO, ALBERT P., US

[73] CHEVRON PHILLIPS CHEMICAL COMPANY LP,

[85] 2015-09-10

[86] 2014-03-06 (PCT/US2014/021132)

[87] (WO2014/164192)

[30] US (13/794,070) 2013-03-11

[11] **2,905,382**
[13] C

[51] **Int.Cl. B01D 53/64 (2006.01) B01D 53/50 (2006.01)**

[25] EN

[54] **MULTICOMPONENT COMPOSITIONS FOR MERCURY REMOVAL**

[54] **COMPOSITIONS A MULTIPLES COMPOSANTS POUR L'ELIMINATION DU MERCURE**

[72] GALE, THOMAS K., US

[73] NOVINDA CORPORATION,

[85] 2015-09-10

[86] 2014-03-12 (PCT/US2014/023989)

[87] (WO2014/164975)

[30] US (61/778,778) 2013-03-13

[11] **2,906,179**
[13] C

[51] **Int.Cl. H04N 21/2343 (2011.01) H04N 21/2347 (2011.01) H04N 21/235 (2011.01) H04N 21/236 (2011.01) H04N 21/2381 (2011.01) H04N 21/2389 (2011.01) H04N 21/258 (2011.01) H04N 21/262 (2011.01) H04N 21/266 (2011.01) H04N 21/41 (2011.01) H04N 21/414 (2011.01) H04N 21/4147 (2011.01) H04N 21/434 (2011.01) H04N 21/435 (2011.01) H04N 21/436 (2011.01)**

[25] EN

[54] **DLNA/DTCP STREAM CONVERSION FOR SECURE MEDIA PLAYBACK**

[54] **CONVERSION DE FLUX DLNA/DTCP SERVANT A LA LECTURE MULTIMEDIA SECURISEE**

[72] MORONEY, PAUL, US

[73] ARRIS ENTERPRISES LLC,

[85] 2015-09-11

[86] 2014-03-17 (PCT/US2014/030420)

[87] (WO2014/145624)

[30] US (61/801,216) 2013-03-15

[30] US (61/817,115) 2013-04-29

[30] US (14/215,848) 2014-03-17

[11] **2,906,735**
[13] C

[51] **Int.Cl. A61K 39/35 (2006.01) A61K 31/711 (2006.01) A61K 31/713 (2006.01) A61P 37/08 (2006.01) C12N 7/01 (2006.01) C12N 15/29 (2006.01) C12N 15/62 (2006.01)**

[25] EN

[54] **IMMUNE MODULATION**

[54] **IMMUNOMODULATION**

[72] HOWLEY, PAUL MICHAEL, AU

[73] SEMENTIS LIMITED,

[85] 2015-09-15

[86] 2014-03-17 (PCT/AU2014/000286)

[87] (WO2014/138824)

[30] US (61/852,239) 2013-03-15

[11] **2,907,215**
[13] C

[51] **Int.Cl. F16H 1/46 (2006.01) E06B 9/72 (2006.01)**

[25] EN

[54] **WINDOW COVERING MOTORIZED LIFT AND CONTROL SYSTEM MOTOR AND OPERATION**

[54] **LEVAGE MOTORISE D'HABILLAGE DE FENETRE ET MOTEUR ET FONCTIONNEMENT DU SYSTEME DE COMMANDE**

[72] ADREON, WES, US

[72] GRAYBAR, MICHAEL, US

[73] SPRINGS WINDOW FASHIONS, LLC,

[85] 2015-09-15

[86] 2014-03-14 (PCT/US2014/028023)

[87] (WO2014/143867)

[30] US (61/792,226) 2013-03-15

[11] **2,907,323**
[13] C

[51] **Int.Cl. B05B 13/06 (2006.01)**

[25] EN

[54] **COATING APPARATUS FOR COATING A PERIMETER SURFACE OF A PIPELINE**

[54] **APPAREIL DE REVETEMENT SERVANT A RECOUVRIR UNE SURFACE PERIMETRIQUE D'UNPIPELINE**

[72] KIMPEL, RICK R., JR., US

[72] POWER, GUNNAR, US

[72] CARABALLO, WILFREDO, US

[72] KARASEK, BRYAN, US

[73] AEGION COATING SERVICES, LLC,

[86] (2907323)

[87] (2907323)

[22] 2015-10-06

[30] US (14/871,798) 2015-09-30

Brevets canadiens délivrés
24 mars 2020

[11] **2,907,650**
[13] C

[51] **Int.Cl. B65D 83/16 (2006.01) B65D 83/28 (2006.01) B65D 83/30 (2006.01)**

[25] EN

[54] **DISPENSING ADAPTOR FOR ONE-COMPONENT POLYURETHANE FOAM**

[54] **ADAPTATEUR DE DISTRIBUTION DE MOUSSE DE POLYURETHANE MONOCOMPOSANT**

[72] LEE, DONG-HOON, KR

[73] HAMIL SELENA CO., LTD.,

[85] 2015-09-17

[86] 2013-08-16 (PCT/KR2013/007378)

[87] (WO2014/148702)

[30] KR (10-2013-0030201) 2013-03-21

[11] **2,907,658**
[13] C

[51] **Int.Cl. A61K 9/72 (2006.01)**

[25] EN

[54] **USE OF STEARATE IN AN INHALABLE FORMULATION**

[54] **UTILISATION DE STEARATE DANS UNE FORMULATION INHALABLE**

[72] GREEN, MATTHEW, GB

[73] VECTURA LIMITED,

[85] 2015-09-21

[86] 2014-03-28 (PCT/GB2014/051003)

[87] (WO2014/155134)

[30] GB (1305825.0) 2013-03-28

[11] **2,907,802**
[13] C

[51] **Int.Cl. B65H 20/06 (2006.01) B65H 18/22 (2006.01) B65H 18/26 (2006.01)**

[25] EN

[54] **A REEL-UP FOR WINDING A PAPER WEB INTO A ROLL AND A METHOD OF WINDING A PAPER WEB TO FORM A ROLL**

[54] **ENROULEUSE POUR ENROULER UNE BANDE DE PAPIER ET PROCEDE D'ENROULEMENT DE BANDE DE PAPIER POUR FORMER UN ROULEAU**

[72] KLERELID, INGVAR, SE

[72] MALMQVIST, PER-OLOF, SE

[73] VALMET AKTIEBOLAG,

[85] 2015-09-21

[86] 2014-04-15 (PCT/SE2014/050468)

[87] (WO2014/175808)

[30] SE (1350519-3) 2013-04-26

[11] **2,908,173**
[13] C

[51] **Int.Cl. A24C 5/00 (2020.01) B23K 10/00 (2006.01)**

[25] EN

[54] **PLASMA PERFORATION**

[54] **PERFORATION AU PLASMA**

[72] LINDNER, MICHAEL, AT

[73] TANNPAPIER GMBH,

[85] 2015-09-25

[86] 2014-04-17 (PCT/AT2014/050096)

[87] (WO2014/169313)

[30] AT (A 50268/2013) 2013-04-19

[11] **2,909,242**
[13] C

[51] **Int.Cl. H04N 19/124 (2014.01) H04N 19/119 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/587 (2014.01)**

[25] EN

[54] **VIDEO DECODING DEVICE AND METHOD IN WHICH THE GRANULARITY OF QUANTIZATION IS CONTROLLED**

[54] **DISPOSITIF DE CODAGE VIDEO ET METHODE DANS LAQUELLE LA GRANULARITE DE QUANTIFICATION EST CONTROLEE**

[72] AOKI, HIROFUMI, JP

[72] CHONO, KEIICHI, JP

[72] SENDA, YUZO, JP

[72] SENZAKI, KENTA, JP

[73] NEC CORPORATION,

[86] (2909242)

[87] (2909242)

[22] 2012-03-08

[62] 2,829,034

[30] JP (2011-051291) 2011-03-09

[30] JP (2011-095395) 2011-04-21

[11] **2,909,332**
[13] C

[51] **Int.Cl. A22C 17/02 (2006.01) A22B 5/00 (2006.01) A22C 17/00 (2006.01)**

[25] EN

[54] **A SYSTEM FOR PROCESSING CARCASS PARTS**

[54] **SYSTEME PERMETTANT DE TRAITER DES PARTIES DE CARCASSES**

[72] ANDERSON, GREG, US

[72] SCARPINO, WILLIAM, US

[72] GEORGE, KACIE, US

[73] MAREL MEAT PROCESSING INC.,

[85] 2015-10-09

[86] 2014-04-28 (PCT/EP2014/058620)

[87] (WO2014/174121)

[30] US (61/816,259) 2013-04-26

[11] **2,909,722**
[13] C

[51] **Int.Cl. B64D 13/00 (2006.01) B64D 13/02 (2006.01)**

[25] EN

[54] **OXYGEN ENRICHED USER COMPARTMENT ON AN AIRCRAFT**

[54] **COMPARTIMENT UTILISATEUR ENRICHI D'OXYGENE A BORD D'UN AERONEF**

[72] ARMATORIO, ANDREW L., US

[72] LOFTIS, RICHARD J., US

[72] HART, COLIN W., US

[72] THOMAS, LISA C., US

[72] PRICE, KEVIN R., US

[73] THE BOEING COMPANY,

[86] (2909722)

[87] (2909722)

[22] 2015-10-19

[30] US (14/620,553) 2015-02-12

**Canadian Patents Issued
March 24, 2020**

[11] **2,909,727**
[13] C

[51] **Int.Cl. H04B 1/74 (2006.01) H04B 17/327 (2015.01) H04B 17/373 (2015.01) H04B 1/40 (2015.01) H04L 27/32 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR SIGNAL PROCESSING USING POWER SPECTRAL DENSITY SHAPE**

[54] **SYSTEMES ET METHODES DE TRAITEMENT DU SIGNAL AU MOYEN DE FORME DE DENSITE SPECTRALE DE PUISSANCE**

[72] RAY, GARY ALAN, US

[72] BAKER, JAMES BRYAN, US

[73] THE BOEING COMPANY,

[86] (2909727)

[87] (2909727)

[22] 2015-10-20

[30] US (14/557916) 2014-12-02

[11] **2,909,850**
[13] C

[51] **Int.Cl. H01M 8/04858 (2016.01)**

[25] EN

[54] **FUEL CELL SYSTEM AND FUEL CELL CONTROL METHOD**

[54] **SYSTEME DE PILE A COMBUSTIBLE ET METHODE DE CONTROLE D'UNE PILE A COMBUSTIBLE**

[72] OKAMOTO, YOHEI, JP

[72] TANO, YUTAKA, JP

[72] NADA, MITSUHIRO, JP

[72] KANEKO, TOMOHIKO, JP

[73] TOYOTA JIDOSHA KABUSHIKI KAISHA,

[86] (2909850)

[87] (2909850)

[22] 2015-10-22

[30] JP (2014-230379) 2014-11-13

[11] **2,910,201**
[13] C

[51] **Int.Cl. A61B 17/22 (2006.01) A61K 47/36 (2006.01) A61L 24/00 (2006.01) A61L 24/04 (2006.01)**

[25] EN

[54] **GEL-FORMING SYSTEM FOR REMOVING URINARY CALCULI AND FRAGMENTS THEREOF**

[54] **SYSTEME GELIFIANT POUR ELIMINER DES CALCULS URINAIRES ET DES FRAGMENTS DE CALCULS URINAIRES**

[72] GRUNWALD, INGO, DE

[72] RICHTER, KATHARINA, DE

[72] MIERNIK, ARKADIUSZ, DE

[72] SCHOENTHALER, MARTIN, DE

[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.,

[85] 2015-10-21

[86] 2013-08-22 (PCT/EP2013/067434)

[87] (WO2014/173467)

[30] EP (13164955.0) 2013-04-23

[11] **2,910,351**
[13] C

[51] **Int.Cl. A01D 17/22 (2006.01) A01D 33/04 (2006.01) A01D 33/08 (2006.01)**

[25] EN

[54] **MACHINE FOR HARVESTING ROOT CROP**

[54] **MACHINE DE RECOLTE DE PLANTES RACINES**

[72] DETTMER, FRANZ-JOSEF, DE

[72] FELDKAMPER, STEFAN, DE

[73] GRIMME LANDMASCHINENFABRIK GMBH & CO. KG,

[86] (2910351)

[87] (2910351)

[22] 2015-10-27

[30] DE (10 2014 015 834.9) 2014-10-28

[11] **2,910,426**
[13] C

[51] **Int.Cl. D21G 9/00 (2006.01) B65H 43/00 (2006.01)**

[25] EN

[54] **PNEUMATICALLY-EXPANDABLE CABLE TRACK FOR SCANNING HEAD OF PAPER MACHINE OR OTHER SYSTEM**

[54] **CHEMIN DE CABLE EXTENSIBLE PAR VOIE PNEUMATIQUE POUR TETE DE BALAYAGE D'UNE MACHINE A PAPIER OU AUTRE SYSTEME**

[72] BESELT, RONALD E., US

[73] HONEYWELL LIMITED,

[85] 2015-10-26

[86] 2014-04-16 (PCT/CA2014/000362)

[87] (WO2014/176670)

[30] US (13/874,430) 2013-04-30

[11] **2,910,463**
[13] C

[51] **Int.Cl. B24C 1/00 (2006.01)**

[25] EN

[54] **DEVICE FOR MIXING SOLID PARTICLES OF DRY ICE WITH FLOW OF GASEOUS MEDIUM**

[54] **DISPOSITIF DE MELANGE DE PARTICULES SOLIDES DE GLACE CARBONIQUE AVEC UN ECOULEMENT DE MILIEU GAZEUX**

[72] KUBIS, IVAN, SK

[72] BAKALA, L'UDOVIT, SK

[72] GABRIS, PETER, SK

[73] ICS ICE CLEANING SYSTEMS S.R.O.,

[85] 2015-10-26

[86] 2013-05-06 (PCT/SK2013/050001)

[87] (WO2014/182253)

Brevets canadiens délivrés
24 mars 2020

[11] **2,910,783**
[13] C

[51] **Int.Cl. B23B 29/04 (2006.01) B23B 31/11 (2006.01)**

[25] EN

[54] **CUTTING TOOL HAVING A TOOL COUPLING WITH AXIALLY OFFSET PERIPHERAL AND CENTRAL COUPLING THREADS AND METHOD OF ASSEMBLY THEREOF**

[54] **OUTIL DE DECOUPE MUNI D'UN RACCORD D'OUTIL A FILETAGES D'ACCOUPEMENT PERIPHERIQUES ET CENTRAUX AXIALEMENT DECALEES, ET PROCEDE D'ASSEMBLAGE ASSOCIES**

[72] GUY, HANOCH, IL
[72] ZIBENBERG, ALEXANDER, IL
[73] ISCAR LTD.,
[85] 2015-10-29
[86] 2014-04-03 (PCT/IL2014/050328)
[87] (WO2014/178042)
[30] US (13/872,569) 2013-04-29

[11] **2,910,785**
[13] C

[51] **Int.Cl. B23B 27/16 (2006.01) B23B 29/04 (2006.01)**

[25] EN

[54] **CUTTING INSERT HAVING A REARWARDLY OFFSET CUTTING EDGE AND CUTTING TOOL**

[54] **PLAQUETTE DE COUPE A ARETE DE COUPE DECALEE VERS L'ARRIERE ET OUTIL DE COUPE**

[72] HECHT, GIL, IL
[73] ISCAR LTD.,
[85] 2015-10-29
[86] 2014-04-30 (PCT/IL2014/050388)
[87] (WO2014/188404)
[30] US (13/899,160) 2013-05-21

[11] **2,911,269**
[13] C

[51] **Int.Cl. H04L 12/803 (2013.01) H04L 12/721 (2013.01) H04L 29/06 (2006.01)**

[25] EN

[54] **MULTIPATH ROUTING IN A DISTRIBUTED LOAD BALANCER**

[54] **ROUTAGE PAR TRAJETS MULTIPLES DANS UN DISPOSITIF D'EQUILIBRAGE DE CHARGES DISTRIBUE**

[72] SORENSON, JAMES CHRISTOPHER, III, US
[72] LAURENCE, DOUGLAS STEWART, US
[73] AMAZON TECHNOLOGIES, INC.,
[85] 2015-10-21
[86] 2014-04-16 (PCT/US2014/034423)
[87] (WO2014/172497)
[30] US (13/864,162) 2013-04-16

[11] **2,911,395**
[13] C

[51] **Int.Cl. H02B 1/56 (2006.01) B01D 46/00 (2006.01) F04D 25/14 (2006.01) F04D 29/70 (2006.01) H05K 7/20 (2006.01) H02B 1/28 (2006.01)**

[25] EN

[54] **FAN HOLDER FOR A FAN, IN PARTICULAR OF A SWITCH CABINET**

[54] **SUPPORT DE VENTILATEUR, EN PARTICULIER D'UNE ARMOIRE ELECTRIQUE**

[72] SCHANZENBACH, BERND ARMIN, DE
[72] DENT, ROBERT, DE
[72] MANGOLD, ELMAR, DE
[73] STEGO-HOLDING GMBH,
[85] 2015-11-03
[86] 2014-05-22 (PCT/EP2014/060550)
[87] (WO2014/187903)
[30] DE (10 2013 105 196.0) 2013-05-22
[30] DE (10 2014 101 184.8) 2014-01-31

[11] **2,911,551**
[13] C

[51] **Int.Cl. E21B 34/06 (2006.01) E21B 34/10 (2006.01) E21B 34/14 (2006.01) E21B 43/25 (2006.01)**

[25] EN

[54] **INDEXING STIMULATING SLEEVE AND OTHER DOWNHOLE TOOLS**

[54] **MANCHON DE STIMULATION D'INDEXATION ET AUTRES OUTILS DE FOND DE TROU**

[72] GONZALEZ, DICK S., US
[72] GARCIA, CESAR G., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC,
[86] (2911551)
[87] (2911551)
[22] 2015-11-06
[30] US (62/077,029) 2014-11-07

[11] **2,911,637**
[13] C

[51] **Int.Cl. H04L 9/32 (2006.01) H04L 29/06 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR SECURE COMMUNICATION**

[54] **SYSTEMES ET PROCEDES DE COMMUNICATION SECURISEE**

[72] TANG, WEIMING, US
[72] BREWER, JAMES MATTHEW, US
[73] WAYNE FUELING SYSTEMS LLC,
[85] 2015-11-06
[86] 2014-05-02 (PCT/US2014/036526)
[87] (WO2014/182557)
[30] US (13/890,734) 2013-05-09

[11] **2,911,663**
[13] C

[51] **Int.Cl. B01D 37/02 (2006.01) B01D 43/00 (2006.01)**

[25] EN

[54] **POLYMER SURFACES HAVING A SILOXANE FUNCTIONAL GROUP**

[54] **SURFACES POLYMERES AYANT UN GROUPE FONCTIONNEL SILOXANE**

[72] ROTHMAN, PAUL J., US
[72] FERNALD, MARK R., US
[72] DIDDEN, FRANCIS K., US
[72] ADAMSON, DOUGLAS H., US
[73] CIDRA CORPORATE SERVICES INC.,
[85] 2015-11-06
[86] 2014-05-13 (PCT/US2014/037823)
[87] (WO2014/186352)
[30] US (61/822,679) 2013-05-13
[30] US (14/118,984) 2014-01-27

**Canadian Patents Issued
March 24, 2020**

[11] **2,911,729**
[13] C

[51] **Int.Cl. F24F 11/88 (2018.01)**
[25] EN
[54] **TWO-CONDUCTOR WIRELINE GUIDED CONTROL AND AN HVAC SYSTEM EMPLOYING THE SAME**

[54] **COMMANDE GUIDEE POUR FIL A DEUX CONDUCTEURS ET SYSTEME CVCA EMPLOYANT LADITE COMMANDE**

[72] CHARAVDA, JAYPRAKASH, US
[72] LAZAR, STEVE, US
[73] LENNOX INDUSTRIES INC.,
[86] (2911729)
[87] (2911729)
[22] 2015-11-10
[30] US (62/101,575) 2015-01-09

[11] **2,911,838**
[13] C

[51] **Int.Cl. A63B 53/04 (2015.01) B23P 15/00 (2006.01)**
[25] EN
[54] **GOLF CLUB HEADS WITH APERTURES AND METHODS TO MANUFACTURE GOLF CLUB HEADS**

[54] **TETES DE BATON DE GOLF AYANT DES OUVERTURES ET PROCEDES DE FABRICATION DE TETES DE BATON DE GOLF**

[72] SOLHEIM, JOHN A., US
[72] MORALES, ERIC J., US
[72] HENRIKSON, ERIK M., US
[72] COLE, ERIC V., US
[72] WOOD, PAUL D., US
[72] SCHWEIGERT, BRAD D., US
[72] JERTSON, MARTY R., US
[73] KARSTEN MANUFACTURING CORPORATION,
[86] (2911838)
[87] (2911838)
[22] 2012-01-03
[62] 2,823,741
[30] US (61/429,692) 2011-01-04

[11] **2,912,368**
[13] C

[51] **Int.Cl. A61K 8/44 (2006.01) A61K 8/19 (2006.01) A61K 8/96 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **ORAL CARE COMPOSITION CONTAINING PUMICE AND CALCIUM CARBONATE**

[54] **COMPOSITION DE SOIN BUCCAL CONTENANT DE LA PIERRE PONCE ET DU CARBONATE DE CALCIUM**

[72] MORGAN, ANDRE, US
[72] PATEL, VYOMA, US
[72] JOZIAK, MARILOU (DECEASED), US
[72] PRENCIPE, MICHAEL, US
[73] COLGATE-PALMOLIVE COMPANY,
[85] 2015-11-12
[86] 2013-05-13 (PCT/US2013/040694)
[87] (WO2014/185884)

[11] **2,912,854**
[13] C

[51] **Int.Cl. F01N 13/14 (2010.01) B32B 1/08 (2006.01) F16L 59/02 (2006.01)**
[25] EN
[54] **BREATHABLE MULTI-COMPONENT EXHAUST INSULATION SYSTEM**

[54] **SYSTEME D'ISOLATION MULTI-COMPOSANT RESPIRANT POUR SYSTEME D'ECHAPPEMENT**

[72] GOULET, ROBERT JACQUE, US
[73] SAPREX, LLC,
[85] 2015-11-18
[86] 2013-05-16 (PCT/US2013/041391)
[87] (WO2013/173606)
[30] US (13/475,501) 2012-05-18

[11] **2,912,945**
[13] C

[51] **Int.Cl. C04B 7/13 (2006.01) C04B 14/10 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A CEMENT CLINKER SUBSTITUTE**

[54] **PROCEDE DE FABRICATION D'UN SUBSTITUT DE CLINKER**

[72] ENDERS, MICHAEL, DE
[72] ROHLOFF, KATHRIN, DE
[72] BERGER, CLAUDIA, DE
[73] THYSSENKRUPP INDUSTRIAL SOLUTIONS AG,
[85] 2015-11-19
[86] 2014-05-13 (PCT/EP2014/001284)
[87] (WO2014/187537)
[30] DE (10 2013 105 301.7) 2013-05-23

[11] **2,913,500**
[13] C

[51] **Int.Cl. A47F 1/12 (2006.01) A47F 1/04 (2006.01)**
[25] EN
[54] **MERCHANDISING SYSTEM WITH PUSHER ASSEMBLY**

[54] **SYSTEME DE MARCHANDISATION COMPRENANT ENSEMBLE DE POUSSOIR**

[72] PICHEL, MATTHEW, US
[73] DISPLAY TECHNOLOGIES,
[85] 2015-11-24
[86] 2014-06-03 (PCT/US2014/040656)
[87] (WO2014/200759)
[30] US (13/915,134) 2013-06-11

[11] **2,913,774**
[13] C

[51] **Int.Cl. E21B 33/12 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **SHORTENED TUBING BAFFLE WITH LARGE SEALABLE BORE**

[54] **DEFLECTEUR A TUBE COURT DOTE D'UN GRAND TROU POUVANT ETRE SCELLE**

[72] FITZHUGH, BRYAN, US
[72] MUSCROFT, WILLIAM SLOANE, US
[72] FITZHUGH, NATHAN, US
[73] PEAK COMPLETION TECHNOLOGIES, INC.,
[85] 2015-12-02
[86] 2015-09-03 (PCT/US2015/048278)
[87] (WO2016/036926)
[30] US (62/045,375) 2014-09-03
[30] US (62/069,794) 2014-10-28
[30] US (62/117,382) 2015-02-17

[11] **2,914,535**
[13] C

[51] **Int.Cl. C02F 3/08 (2006.01) C02F 3/00 (2006.01) C02F 3/20 (2006.01)**
[25] EN
[54] **A CONTAINER, SERIES OF CONTAINERS AND METHOD FOR TREATING LIQUIDS**

[54] **CONTENANT, SERIE DE CONTENANTS ET PROCEDE DE TRAITEMENT DE LIQUIDES**

[72] OLESEN, JENS OLE, DK
[73] NORDIC AQUAFARMS AS,
[85] 2015-12-04
[86] 2014-06-04 (PCT/DK2014/050162)
[87] (WO2014/194919)
[30] EP (13170459.5) 2013-06-04

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,915,130**
[13] C

- [51] **Int.Cl. H04W 74/08 (2009.01)**
[25] EN
[54] **LTE CHANNEL ACCESS OVER UNLICENSED BANDS**
[54] **ACCES A UN CANAL D'EVOLUTION A LONG TERME (LTE) SUR DES BANDES NON AUTORISEES**
[72] YERRAMALLI, SRINIVAS, US
[72] LUO, TAO, US
[72] BHUSHAN, NAGA, US
[72] GAAL, PETER, US
[73] QUALCOMM INCORPORATED,
[85] 2015-12-10
[86] 2014-06-30 (PCT/US2014/044797)
[87] (WO2015/009433)
[30] US (61/847,369) 2013-07-17
[30] US (14/317,090) 2014-06-27

[11] **2,915,598**
[13] C

- [51] **Int.Cl. C08J 7/12 (2006.01) C12Q 1/6806 (2018.01) C12Q 1/6834 (2018.01) C12Q 1/6869 (2018.01) C07H 21/00 (2006.01) C12Q 1/68 (2018.01) C40B 50/18 (2006.01)**
[25] EN
[54] **CATALYST-FREE SURFACE FUNCTIONALIZATION AND POLYMER GRAFTING**
[54] **GREFFAGE DE POLYMER ET FONCTIONNALISATION DE SURFACE SANS CATALYSEUR**
[72] BERTI, LORENZO, US
[72] BROWN, ANDREW A., GB
[72] GEORGE, WAYNE N., GB
[73] ILLUMINA, INC.,
[85] 2015-12-15
[86] 2014-06-26 (PCT/US2014/044356)
[87] (WO2015/002813)
[30] US (61/841,647) 2013-07-01
[30] US (61/971,381) 2014-03-27

[11] **2,916,731**
[13] C

- [51] **Int.Cl. H04N 5/64 (2006.01) H04R 5/02 (2006.01)**
[25] EN
[54] **MOUNTING APPARATUS FOR AN AUDIO/VIDEO SYSTEM AND RELATED METHODS AND SYSTEMS**
[54] **DISPOSITIF DE MONTAGE POUR SYSTEME AUDIO/VIDEO ET PROCEDES ET SYSTEMES ASSOCIES**
[72] MILLSON, RICHARD BLAIR, CA
[72] IMA, ALAN TOYONOBU, CA
[73] MILLSON CUSTOM SOLUTIONS INC.,
[86] (2916731)
[87] (2916731)
[22] 2012-02-17
[62] 2,826,014
[30] US (61/457,278) 2011-02-17

[11] **2,917,056**
[13] C

- [51] **Int.Cl. A61K 38/16 (2006.01) A61K 35/74 (2015.01) A61P 27/02 (2006.01) A61P 29/00 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **TREATMENT AND DIAGNOSIS OF OCULAR DISEASE**
[54] **TRAITEMENT ET DIAGNOSTIC D'UNE MALADIE OCULAIRE**
[72] KACHLANY, SCOTT, US
[72] BELINKA, BENJAMIN, US
[73] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY,
[73] ACTINOBAC BIOMED, INC.,
[85] 2015-12-29
[86] 2014-06-27 (PCT/US2014/044567)
[87] (WO2014/210454)
[30] US (61/840,045) 2013-06-27

[11] **2,917,634**
[13] C

- [51] **Int.Cl. G01N 29/02 (2006.01) G01N 29/44 (2006.01)**
[25] EN
[54] **AUTO SWITCHING REFERRAL MATRICES IN DETERMINING PROCESS MATERIAL CONCENTRATION**
[54] **COMMUTATION AUTOMATIQUE DE MATRICES DE REFERENCE DANS LA DETERMINATION D'UNE CONCENTRATION DE MATIERES DE TRAITEMENT**
[72] WHEELER, SIMON P. H., US
[73] MICRO MOTION, INC.,
[85] 2016-01-06
[86] 2014-07-18 (PCT/US2014/047274)
[87] (WO2015/010072)
[30] US (61/856,365) 2013-07-19

[11] **2,918,108**
[13] C

- [51] **Int.Cl. G05D 1/10 (2006.01) B64C 19/00 (2006.01)**
[25] EN
[54] **FLIGHT CONTROL SYSTEM COMMAND SELECTION AND DATA TRANSPORT**
[54] **SELECTION DE COMMANDES ET TRANSPORT DE DONNEES POUR UN SYSTEME DE COMMANDES DE VOL**
[72] MATSUI, GEN, US
[73] THE BOEING COMPANY,
[86] (2918108)
[87] (2918108)
[22] 2016-01-18
[30] US (14/664,355) 2015-03-20

[11] **2,919,693**
[13] C

- [51] **Int.Cl. F02M 21/02 (2006.01) B01D 46/00 (2006.01) B01D 46/42 (2006.01)**
[25] EN
[54] **VEHICLE FUEL GAS PRE-FILTER UNIT**
[54] **UNITE DE PRE-FILTRE DE GAZ CARBURANT DE VEHICULE**
[72] LEE, JOONG-KYU, CA
[73] ALTERNATIVE FUEL CONTAINERS, LLC,
[85] 2016-01-27
[86] 2014-08-02 (PCT/US2014/049507)
[87] (WO2015/017845)
[30] US (61/861,467) 2013-08-02

**Canadian Patents Issued
March 24, 2020**

[11] **2,920,190**
[13] C

[51] **Int.Cl. G06Q 30/06 (2012.01) G06F 3/048 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SELECTING WINDOW TINT**
[54] **SYSTEME ET METHODE DE SELECTION DE LA TEINTE D'UNE FENETRE**
[72] BROCKMAN, ROBERT T., US
[72] HAIDER, SIDNEY, US
[73] THE REYNOLDS AND REYNOLDS COMPANY,
[86] (2920190)
[87] (2920190)
[22] 2016-02-04
[30] US (62/111,941) 2015-02-04
[30] US (15/014,898) 2016-02-03

[11] **2,920,819**
[13] C

[51] **Int.Cl. C12N 1/20 (2006.01) A61K 35/747 (2015.01) A23L 33/135 (2016.01) A61P 15/02 (2006.01) A61P 31/10 (2006.01) C12N 15/00 (2006.01)**
[25] EN
[54] **STRAIN OF LACTOBACILLUS PENTOSUS AS PROBIOTIC**
[54] **SOUCHE DE LACTOBACILLUS PENTOSUS COMME PROBIOTIQUE**
[72] ESPADALER MAZO, JORDI, ES
[72] LOSADA DIAZ, MIGUEL ANGEL, ES
[73] GYNEA LABORATORIOS, S.L.,
[85] 2016-02-09
[86] 2014-08-11 (PCT/EP2014/067177)
[87] (WO2015/022297)
[30] EP (13382326.0) 2013-08-12

[11] **2,920,933**
[13] C

[51] **Int.Cl. A24F 40/00 (2020.01) A24B 15/167 (2020.01) A24F 40/10 (2020.01) A24F 47/00 (2020.01) A61M 15/06 (2006.01)**
[25] EN
[54] **CERAMIC VAPORIZER AND ELECTRONIC CIGARETTES HAVING THE CERAMIC VAPORIZER**
[54] **VAPORISATEUR EN CERAMIQUE ET CIGARETTES ELECTRONIQUES COMPORTANT LE VAPORISATEUR EN CERAMIQUE**
[72] ZHU, XIAOCHUN, CN
[73] ZHU, XIAOCHUN,
[85] 2016-02-17
[86] 2016-01-20 (PCT/CN2016/071499)
[87] (WO2017/124334)

[11] **2,921,741**
[13] C

[51] **Int.Cl. C08L 35/06 (2006.01) B01J 23/38 (2006.01) B01J 32/00 (2006.01) C08J 3/20 (2006.01) C08K 3/08 (2006.01) C08L 35/00 (2006.01)**
[25] EN
[54] **POLYMER-SUPPORTED METAL NANOPARTICLES, PROCESS FOR PRODUCTION THEREOF AND POLYMERIC NANOREACTORS PRODUCED THEREFROM**
[54] **NANOPARTICULES METALLIQUES SUPPORTEES PAR UN POLYMERE, PROCEDE DE PRODUCTION CORRESPONDANT ET NANOREACTEURS POLYMERES PRODUITS A PARTIR DE CELLES-CI**
[72] MALARDIER-JUGROOT, CECILE, CA
[72] GROVES, MICHAEL NELSON, CA
[72] JUGROOT, MANISH, CA
[73] HER MAJESTY THE QUEEN IN RIGHT OF CANADA, AS REPRESENTED BY THE MINISTOF NATIONAL DEFENCE,
[85] 2016-02-18
[86] 2013-08-23 (PCT/CA2013/000738)
[87] (WO2015/024093)

[11] **2,921,883**
[13] C

[51] **Int.Cl. C07K 1/18 (2006.01) C12N 5/00 (2006.01)**
[25] EN
[54] **NOVEL ADSORBENT COMPOSITION AND USE THEREOF**
[54] **NOUVELLE COMPOSITION D'ADSORBANT ET SON UTILISATION**
[72] HAHN, RAINER, AT
[72] JUNGBAUER, ALOIS, AT
[72] TREFILOV, ALEXANDRU, AT
[72] IMENDOERFFER, MORITZ, AT
[73] BOEHRINGER INGELHEIM RCV GMBH & CO KG,
[73] SANDOZ AG,
[85] 2016-02-19
[86] 2014-08-25 (PCT/EP2014/068014)
[87] (WO2015/025062)
[30] EP (13181537.5) 2013-08-23
[30] EP (13181540.9) 2013-08-23

[11] **2,922,418**
[13] C

[51] **Int.Cl. B64F 5/10 (2017.01) B64C 1/06 (2006.01) B64C 3/00 (2006.01)**
[25] EN
[54] **ASSEMBLY OF AN AIRCRAFT STRUCTURE ASSEMBLY WITHOUT SHIMMING, LOCATING FIXTURES OR FINAL-HOLE-SIZE DRILL JIGS**
[54] **ASSEMBLAGE D'UN ENSEMBLE DE STRUCTURE D'AERONEF SANS CALES, FIXATIONS DE POSITIONNEMENT OU GABARITS DE PERCAGE DE TAILLE DE TROU FINAL**
[72] TURNER, DAVID RAY, US
[72] ERION, DONALD L., US
[72] FINCHAMP, TERESA M., US
[72] GOODMAN, GREGORY JON, US
[73] THE BOEING COMPANY,
[86] (2922418)
[87] (2922418)
[22] 2016-03-02
[30] US (14/703,550) 2015-05-04

Brevets canadiens délivrés
24 mars 2020

[11] **2,923,909**
[13] C

[51] **Int.Cl. H04W 56/00 (2009.01) H04W 4/06 (2009.01) H04J 1/00 (2006.01) H04J 3/00 (2006.01)**

[25] EN

[54] **EFFICIENT SYSTEM IDENTIFICATION SCHEMES FOR COMMUNICATION SYSTEMS**

[54] **SCHEMAS EFFICACES D'IDENTIFICATION DE SYSTEME POUR DES SYSTEMES DE COMMUNICATION**

[72] LUO, TAO, US
[72] MALLADI, DURGA PRASAD, US
[72] MONTOJO, JUAN, US
[72] GAAL, PETER, US
[72] SARKAR, SANDIP, US
[73] QUALCOMM INCORPORATED,
[86] (2923909)
[87] (2923909)
[22] 2008-10-10
[62] 2,699,509
[30] US (60/979,056) 2007-10-10
[30] US (60/982,265) 2007-10-24
[30] US (61/023,528) 2008-01-25
[30] US (12/248,303) 2008-10-09

[11] **2,924,657**
[13] C

[51] **Int.Cl. F22D 1/00 (2006.01) F02C 6/18 (2006.01) F22G 1/16 (2006.01)**

[25] EN

[54] **HEAT EXCHANGING SYSTEM AND METHOD FOR A HEAT RECOVERY STEAM GENERATOR**

[54] **SYSTEME D'ECHANGE DE CHALEUR ET PROCEDE POUR UN GENERATEUR DE VAPEUR A RECUPERATION DE CHALEUR**

[72] KLOECKENER, DANIEL B., US
[73] NOOTER/ERIKSEN, INC.,
[85] 2016-03-17
[86] 2014-09-23 (PCT/US2014/057005)
[87] (WO2015/048029)
[30] US (61/882,911) 2013-09-26

[11] **2,924,782**
[13] C

[51] **Int.Cl. G01V 3/08 (2006.01) B25J 9/18 (2006.01) B25J 19/02 (2006.01)**

[25] EN

[54] **SENSING OF A MAGNETIC TARGET**

[54] **DETECTION D'UNE CIBLE MAGNETIQUE**

[72] FAVILLA, STEPHAN JOEL, US
[72] MERKLEY, ALAN RAY, US
[73] THE BOEING COMPANY,
[86] (2924782)
[87] (2924782)
[22] 2016-03-21
[30] US (14/710,555) 2015-05-12

[11] **2,925,043**
[13] C

[51] **Int.Cl. H01H 71/02 (2006.01) H01H 71/10 (2006.01) H01H 71/12 (2006.01) H01H 73/04 (2006.01)**

[25] EN

[54] **CONTACT MODULE FOR CIRCUIT BREAKER**

[54] **MODULE DE CONTACT POUR DISJONCTEUR**

[72] LIU, YI, CN
[72] GU, XIANG, CN
[72] WANG, ZHONGBIN, CN
[73] SEARI ELECTRIC TECHNOLOGY CO., LTD.,
[73] ZHEJIANG CHINT ELECTRICS CO., LTD.,
[85] 2016-03-22
[86] 2014-09-19 (PCT/CN2014/086918)
[87] (WO2015/043422)
[30] CN (201310438970.5) 2013-09-24

[11] **2,926,205**
[13] C

[51] **Int.Cl. G01V 1/30 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR GRADATIONAL SEISMIC VOLUME CLASSIFICATION**

[54] **METHODE ET SYSTEME DE CLASSIFICATION DE VOLUME SISMIQUE GRADUELLE**

[72] NGUYEN, NAM X., US
[72] HEINRICHS, EUGENE C., CA
[72] CHAN, JOCELYN, CA
[73] LANDMARK GRAPHICS CORPORATION,
[85] 2016-04-01
[86] 2013-11-27 (PCT/US2013/072332)
[87] (WO2015/080739)

[11] **2,926,287**
[13] C

[51] **Int.Cl. G01N 21/84 (2006.01) G01J 3/433 (2006.01) G01N 21/27 (2006.01) G01N 21/47 (2006.01) G01N 21/78 (2006.01) G01N 33/487 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR DETERMINING A CONCENTRATION OF AN ANALYTE IN A BODILY FLUID**

[54] **METHODE ET DISPOSITIF DE DETERMINATION DE CONCENTRATION D'UN ANALYTE DANS UN LIQUIDE ORGANIQUE**

[72] ALBRECHT, GERTRUD, DE
[72] BAUMANN, EDGAR, DE
[72] GENTHNER-RIEGLER, MARKUS, DE
[72] KALVERAM, STEFAN, DE
[72] NIESPOREK, CHRISTIAN, DE
[72] SCHWENKER, KAI-OLIVER, DE
[72] SERR, MARKUS, CH
[72] WEHOWSKI, FREDERIC, DE
[72] WETTENGEL, KLAUS, DE
[73] F. HOFFMANN-LA ROCHE AG,
[85] 2016-04-04
[86] 2014-11-27 (PCT/EP2014/075780)
[87] (WO2015/078954)
[30] EP (13194791.3) 2013-11-28

[11] **2,926,876**
[13] C

[51] **Int.Cl. C07K 5/062 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01) C07D 519/00 (2006.01) C07K 5/06 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**

[25] EN

[54] **PYRROLOBENZODIAZEPINES AND CONJUGATES THEREOF**

[54] **PYRROLOBENZODIAZEPINES ET LEURS CONJUGUES**

[72] HOWARD, PHILIP WILSON, GB
[72] EZEADI, EBELE, GB
[72] D'HOOGE, FRANCOIS, GB
[72] PATEL, NEKI, GB
[72] KEMP, GARY, GB
[73] MEDIMMUNE LIMITED,
[85] 2016-04-08
[86] 2014-10-10 (PCT/EP2014/071792)
[87] (WO2015/052322)
[30] GB (1317982.5) 2013-10-11

**Canadian Patents Issued
March 24, 2020**

[11] **2,926,888**
[13] C

[51] **Int.Cl. A61K 31/737 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **MODULATION OF THE PHYSICAL INTERACTION BETWEEN PLATELETS AND THE CELL SURFACE EFFECTING CELL PROLIFERATION**
[54] **MODULATION DE L'INTERACTION PHYSIQUE ENTRE LES PLAQUETTES ET LA SURFACE DES CELLULES AFFECTANT LA PROLIFERATION DES CELLULES**
[72] FABRICIUS, HANS-AKE, DE
[73] CELL RECEPTOR SA,
[85] 2016-04-08
[86] 2014-10-22 (PCT/EP2014/072620)
[87] (WO2015/059177)
[30] DE (10 2013 111 630.2) 2013-10-22

[11] **2,927,979**
[13] C

[51] **Int.Cl. B01F 9/10 (2006.01) A61K 9/14 (2006.01)**
[25] EN
[54] **HIGH-SPEED CENTRIFUGAL MIXING DEVICES AND METHODS OF USE**
[54] **DISPOSITIFS DE MELANGE CENTRIFUGE A GRANDE VITESSE, ET PROCEDES D'UTILISATION**
[72] HOFFMAN, STEVEN, US
[73] TYME, INC.,
[85] 2016-04-18
[86] 2014-10-21 (PCT/US2014/061481)
[87] (WO2015/061256)
[30] US (14/059,837) 2013-10-22

[11] **2,927,992**
[13] C

[51] **Int.Cl. A61M 39/10 (2006.01)**
[25] EN
[54] **RETENTION FEATURE FOR SOFT INTERFACE CONNECTION**
[54] **ELEMENT DE RETENUE POUR LE RACCORDEMENT D'UNE INTERFACE SOUPLE**
[72] CHRISTENSEN, KELLY, US
[72] GHATIKAR, VENUGOPAL, US
[72] BIHLMAIER, BRYAN F., US
[72] HARDING, WESTON F., US
[73] BECTON, DICKINSON AND COMPANY,
[85] 2016-04-19
[86] 2014-10-14 (PCT/US2014/060504)
[87] (WO2015/065700)
[30] US (14/064,915) 2013-10-28

[11] **2,928,335**
[13] C

[51] **Int.Cl. A63G 7/00 (2006.01) A63G 9/00 (2006.01) A63G 21/18 (2006.01)**
[25] EN
[54] **AMUSEMENT PARK RIDE WITH MOVABLE TRACK SECTION**
[54] **PISTE DE DIVERTISSEMENT EQUIPE D'UNE PARTIE DE PISTE MOBILE**
[72] BURGER, GUNTER, DE
[73] MACK RIDES GMBH & CO. KG,
[85] 2016-04-21
[86] 2014-11-05 (PCT/EP2014/073818)
[87] (WO2015/067658)
[30] DE (10 2013 222 910.0) 2013-11-11

[11] **2,928,599**
[13] C

[51] **Int.Cl. G06Q 50/12 (2012.01) G07F 17/32 (2006.01)**
[25] EN
[54] **ZONE DEPENDENT PAYOUT PERCENTAGE**
[54] **POURCENTAGE DE VERSEMENT DE GAIN DEPENDANT D'UNE ZONE**
[72] ALDERUCCI, DEAN P., US
[72] AMAITIS, LEE M., US
[72] GELMAN, GEOFFREY M., US
[73] CFPH, LLC,
[86] (2928599)
[87] (2928599)
[22] 2008-02-15
[62] 2,678,362
[30] US (11/675,182) 2007-02-15

[11] **2,928,623**
[13] C

[51] **Int.Cl. C12N 5/071 (2010.01) C07K 14/47 (2006.01) C07K 14/78 (2006.01) C12M 3/00 (2006.01)**
[25] EN
[54] **POLYPEPTIDE COMPOSITION AND CULTURE METHOD FOR PLURIPOTENT STEM CELL USING SAME**
[54] **COMPOSITION DE POLYPEPTIDE ET PROCEDE DE CULTURE DE CELLULES SOUCHES PLURIPOTENTES L'UTILISANT**
[72] HAGIYA, KEITA, JP
[72] MORIOKA, SANAE, JP
[72] MURAKAMI, YUTA, JP
[72] HANDO, RIE, JP
[72] SUZUKI, KOUO, JP
[72] IWAKI, YOSHIHIDE, JP
[72] SASAKI, TASUKU, JP
[73] FUJIFILM CORPORATION,
[85] 2016-04-25
[86] 2014-10-29 (PCT/JP2014/078813)
[87] (WO2015/064661)
[30] JP (2013-227583) 2013-10-31

[11] **2,928,750**
[13] C

[51] **Int.Cl. B62M 27/00 (2006.01) B62D 55/07 (2006.01) B62M 27/02 (2006.01)**
[25] EN
[54] **SNOWMOBILE SKID FRAME ASSEMBLY**
[54] **ENSEMBLE CHASSIS DE GLISSEMENT DE MOTONEIGE**
[72] BEAVIS, ANDREW, US
[73] ARCTIC CAT INC.,
[85] 2016-04-25
[86] 2014-12-16 (PCT/US2014/070669)
[87] (WO2015/095234)
[30] US (14/109,760) 2013-12-17

Brevets canadiens délivrés
24 mars 2020

[11] **2,928,845**
[13] C

[51] **Int.Cl. G01N 35/02 (2006.01)**
[25] EN
[54] **APPARATUS FOR THE AUTOMATIC PERFORMANCE OF IMMUNOHAEMATOLOGY ANALYSIS ON GEL CARDS**

[54] **APPAREIL DESTINE AU RENDEMENT AUTOMATIQUE D'ANALYSE IMMUNOHEMATOLOGIQUE SUR CARTES GEL**

[72] MARTINELL GISPERSAUCH, ENRIQUE, ES
[72] PUIG CEBRIA, JORDI, ES
[73] GRIFOLS, S.A.,
[86] (2928845)
[87] (2928845)
[22] 2016-05-03
[30] ES (201530927) 2015-06-26

[11] **2,929,503**
[13] C

[51] **Int.Cl. C09D 5/24 (2006.01) C08F 220/06 (2006.01) C08F 220/56 (2006.01) C08F 230/02 (2006.01) C09D 133/10 (2006.01) C09D 133/26 (2006.01) C09D 143/02 (2006.01) C09D 185/02 (2006.01)**

[25] EN
[54] **CONDUCTIVE PRIMER COMPOSITIONS FOR A NON-AQUEOUS ELECTROLYTE ELECTRICAL ENERGY STORAGE DEVICE**

[54] **COMPOSITIONS D'APPRET CONDUCTRICES POUR UN DISPOSITIF DE STOCKAGE D'ENERGIE ELECTRIQUE A ELECTROLYTE NON AQUEUX**

[72] MCGEE, JOHN, D., US
[72] ZIMMERMANN, JOHN, US
[72] DONALDSON, GREGORY T., US
[72] COMOFORD, JOHN J., US
[72] DAHL, ANDREW M., US
[73] HENKEL AG & CO. KGAA,
[85] 2016-05-02
[86] 2014-11-21 (PCT/US2014/066738)
[87] (WO2015/077519)
[30] US (14/087,845) 2013-11-22

[11] **2,929,530**
[13] C

[51] **Int.Cl. F24C 7/08 (2006.01) H05B 1/02 (2006.01)**

[25] EN
[54] **CONTROLLING HEAT CAPABILITY OF APPLIANCE ACCORDING TO USER PROXIMITY AND NOTIFYING REMOTE USERS VIA INTERNET FOR INCREASED SAFETY**

[54] **CONTROLE DE LA CAPACITE THERMIQUE D'UN APPAREIL SELON LA PROXIMITE DE L'UTILISATEUR ET AVERTISSEMENT AUX UTILISATEURS DISTANTS PAR INTERNET ENVUE D'AUGMENTER LA SECURITE**

[72] FERGUSON, WILLIAM MACDONALD, CA
[73] IGUARDFIRE LTD.,
[86] (2929530)
[87] (2929530)
[22] 2016-05-10

[11] **2,929,888**
[13] C

[51] **Int.Cl. E03B 9/02 (2006.01)**

[25] EN
[54] **WATER SUPPLY OUTLET CAP BOUCHON DE SORTIE D'ALIMENTATION EN EAU**

[72] HUELSMAN, KYLE JAMES, US
[72] HARBOUR, THEODOR CHAD, US
[72] WAKEFIELD, JIM, US
[73] MCWANE, INC.,
[85] 2016-05-05
[86] 2014-11-06 (PCT/US2014/064295)
[87] (WO2015/069864)
[30] US (14/073,733) 2013-11-06

[11] **2,930,060**
[13] C

[51] **Int.Cl. C07D 213/82 (2006.01) A61K 31/44 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/506 (2006.01) A61P 29/00 (2006.01) A61P 37/00 (2006.01) C07D 401/12 (2006.01) C07D 405/12 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01)**

[25] EN
[54] **ALKYL-AMIDE-SUBSTITUTED PYRIDYL COMPOUNDS USEFUL AS MODULATORS OF IL-12, IL-23 AND/OR IFNALPHA RESPONSES**

[54] **COMPOSES PYRIDYLE SUBSTITUES PAR ALKYL-AMIDE, UTILES COMME MODULATEURS D'IL-12, IL-23 ET/OU DE REponses A L'IFNALPHA**

[72] MOSLIN, RYAN M., US
[72] WEINSTEIN, DAVID S., US
[72] WROBLESKI, STEPHEN T., US
[72] ZHANG, YANLEI, US
[72] TOKARSKI, JOHN S., US
[72] MERTZMAN, MICHAEL E., US
[72] LIU, CHUNJIAN, US
[73] BRISTOL-MYERS SQUIBB COMPANY,
[85] 2016-05-06
[86] 2014-01-16 (PCT/US2014/011769)
[87] (WO2015/069310)
[30] AR (P130104090) 2013-11-07
[30] TW (102140574) 2013-11-07
[30] VE (2013/1400) 2013-11-11

[11] **2,930,497**
[13] C

[51] **Int.Cl. A61F 2/82 (2013.01) A61F 2/95 (2013.01) A61F 2/958 (2013.01) A61F 2/86 (2013.01)**

[25] EN
[54] **VASCULAR IMPLANT IMPLANT VASCULAIRE**

[72] BEN-MUVHAR, SHMUEL, IL
[73] NEOVASC MEDICAL LTD.,
[86] (2930497)
[87] (2930497)
[22] 2004-11-18
[62] 2,823,472
[30] IL (158960) 2003-11-19

**Canadian Patents Issued
March 24, 2020**

[11] **2,930,716**
[13] C

[51] **Int.Cl. F16S 3/02 (2006.01) B66F 7/28 (2006.01) E04H 6/06 (2006.01) E04H 6/18 (2006.01) E04H 6/42 (2006.01) F16B 5/00 (2006.01) B66F 3/22 (2006.01) B66F 7/08 (2006.01)**

[25] EN

[54] **A MOVABLE COVER FOR COVERING A PIT**

[54] **UN COUVERCLE MOBILE DESTINE A COUVRIR UNE FOSSE**

[72] PAVLICK, ALLAN, US

[72] POLINS, KURT E., US

[72] FELPEL, GLENN, US

[73] STERTIL B.V.,

[86] (2930716)

[87] (2930716)

[22] 2005-05-17

[62] 2,875,383

[30] US (60/571,829) 2004-05-17

[11] **2,931,492**
[13] C

[51] **Int.Cl. C07J 63/00 (2006.01) A61K 31/58 (2006.01) A61P 25/00 (2006.01) A61P 43/00 (2006.01)**

[25] EN

[54] **GLYCYRRHETINIC ACID DERIVATIVE AND USE THEREOF**

[54] **DERIVE DE L'ACIDE GLYCYRRHETINIQUE ET SON UTILISATION**

[72] TAKEUCHI, HIDEYUKI, JP

[72] SUZUMURA, AKIO, JP

[73] INI CORPORATION,

[73] TAKEUCHI, HIDEYUKI,

[73] SUZUMURA, AKIO,

[85] 2016-05-24

[86] 2014-11-20 (PCT/JP2014/080732)

[87] (WO2015/076325)

[30] JP (2013-243130) 2013-11-25

[11] **2,931,667**
[13] C

[51] **Int.Cl. C23C 22/44 (2006.01) C22C 18/04 (2006.01) C23C 2/06 (2006.01) C23C 22/36 (2006.01)**

[25] EN

[54] **METHOD FOR TREATING SURFACE OF ZINC-ALUMINUM-MAGNESIUM ALLOY-PLATED STEEL SHEET**

[54] **PROCEDE DE TRAITEMENT DE SURFACE D'UNE TOLE D'ACIER PLAQUEE D'UN ALLIAGE DE ZINC-ALUMINIUM-MAGNESIUM**

[72] MIURA, YUSUKE, JP

[72] NAKAMURA, SHINTARO, JP

[72] NAKANO, TADASHI, JP

[72] YAMAMOTO, MASAYA, JP

[72] TAKETSU, HIROFUMI, JP

[73] NISSHIN STEEL CO., LTD.,

[85] 2016-05-25

[86] 2014-11-28 (PCT/JP2014/081634)

[87] (WO2015/080268)

[30] JP (2013-247677) 2013-11-29

[30] JP (2014-226140) 2014-11-06

[11] **2,932,144**
[13] C

[51] **Int.Cl. D06M 17/00 (2006.01) D04B 1/00 (2006.01)**

[25] EN

[54] **A FABRIC AND METHOD OF MAKING THE SAME**

[54] **UN TISSU ET UNE METHODE DE FABRICATION ASSOCIEE**

[72] LAI, LAWRENCE S. C., CA

[72] LAI, FRANCIS C.K., CA

[73] SUN ROYAL INNOVATIVE FABRICS INC.,

[86] (2932144)

[87] (2932144)

[22] 2016-06-06

[11] **2,933,435**
[13] C

[51] **Int.Cl. C22C 38/14 (2006.01) B21D 22/20 (2006.01) C21D 8/02 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01)**

[25] EN

[54] **HOT-PRESSED STEEL SHEET MEMBER, METHOD OF MANUFACTURING THE SAME, AND STEEL SHEET FOR HOT PRESSING**

[54] **ELEMENT DE TOLE D'ACIER PRESSE A CHAUD ET SON PROCEDE DE PRODUCTION, ET TOLE D'ACIER POUR PRESSAGE A CHAUD**

[72] HAYASHI, KOUTAROU, JP

[72] NISHIBATA, TOSHINOBU, JP

[73] NIPPON STEEL CORPORATION,

[85] 2016-06-10

[86] 2013-12-20 (PCT/JP2013/084333)

[87] (WO2015/092929)

[11] **2,934,026**
[13] C

[51] **Int.Cl. B01D 1/14 (2006.01)**

[25] EN

[54] **COUNTER-FLOW HEAT/MASS EXCHANGE FEEDBACK CONTROL**

[54] **REGULATION PAR RETROACTION D'ECHANGE DE CHALEUR/MASSE A CONTRE-COURANT**

[72] GOVINDAN, PRAKASH, US

[72] ST. JOHN, MAXIMUS, US

[72] CHEHAYEB, KARIM, US

[72] LAM, STEVEN, US

[73] GRADIANT CORPORATION,

[85] 2016-06-15

[86] 2014-12-18 (PCT/US2014/071146)

[87] (WO2015/095513)

[30] US (61/917,847) 2013-12-18

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,934,319**
[13] C

[51] **Int.Cl. E04B 1/35 (2006.01) B66F 3/00 (2006.01) E04G 23/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR RAISING A STRUCTURE**
[54] **PROCEDE ET APPAREIL POUR LEVER UNE STRUCTURE**
[72] LONG, WILLIAM T., US
[72] KRUEGER, DAVID E., US
[72] PADDOCK, RYAN EVAN, US
[73] 2NDSTORYPLUS, LLC,
[85] 2016-06-16
[86] 2015-01-22 (PCT/US2015/012504)
[87] (WO2015/112745)
[30] US (61/930,401) 2014-01-22

[11] **2,934,502**
[13] C

[51] **Int.Cl. B01J 20/32 (2006.01) B01D 15/38 (2006.01) B01J 45/00 (2006.01) C07C 233/00 (2006.01) C07K 1/22 (2006.01) C07K 7/06 (2006.01) C07K 14/00 (2006.01)**
[25] EN
[54] **IMMOBILISATION OF CHELATING GROUPS FOR IMMOBILISED METAL ION CHROMATOGRAPHY (IMAC)**
[54] **IMMOBILISATION DES GROUPEES CHELATEURS POUR CHROMATOGRAPHIE POUR IONS METALLIQUES IMMOBILISES (IMAC)**
[72] GORLICH, DIRK, DE
[72] FREY, STEFFEN, DE
[73] MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V.,
[86] (2934502)
[87] (2934502)
[22] 2008-08-06
[62] 2,695,586
[30] EP (07015389.5) 2007-08-06
[30] US (60/954,144) 2007-08-06
[30] EP (08012686.5) 2008-07-14

[11] **2,934,797**
[13] C

[51] **Int.Cl. F16J 15/34 (2006.01)**
[25] EN
[54] **ELECTRICAL CORROSION RESISTANT MECHANICAL SEAL**
[54] **JOINT D'ETANCHEITE MECANIQUE RESISTANT A LA CORROSION ELECTRIQUE**
[72] DAVIS, JOHN, US
[73] FLOWSERVE MANAGEMENT COMPANY,
[85] 2016-06-21
[86] 2014-12-04 (PCT/US2014/068554)
[87] (WO2015/099969)
[30] US (61/920,076) 2013-12-23

[11] **2,936,444**
[13] C

[51] **Int.Cl. F16J 15/16 (2006.01) F16J 15/447 (2006.01)**
[25] EN
[54] **BEARING ISOLATOR SEAL FOR ROTATING SHAFT**
[54] **JOINT ISOLATEUR DE PALIER POUR ARBRE ROTATIF**
[72] BENDER, PAUL, US
[72] FERRIS, JASON, US
[72] MALOCHA, JASON, US
[72] BARKER, JOSEPH, US
[73] FLOWSERVE MANAGEMENT COMPANY,
[85] 2016-07-08
[86] 2015-01-08 (PCT/US2015/010605)
[87] (WO2015/105964)
[30] US (61/925,894) 2014-01-10

[11] **2,936,858**
[13] C

[51] **Int.Cl. E01C 5/00 (2006.01) E01C 15/00 (2006.01) E04C 1/00 (2006.01)**
[25] EN
[54] **PATIO BLOCKS AND BLOCK SYSTEMS WITH SIDE SURFACE POSITIONING AND RETAINING STRUCTURES**
[54] **BLOCS DE TERRASSE ET SYSTEMES DE BLOCS DOTES DE STRUCTURES DE POSITIONNEMENT ET FIXATION DE SURFACE LATERALE**
[72] LUNDELL, ROBERT JOHN, US
[72] MACDONALD, ROBERT A., US
[73] KEYSTONE RETAINING WALL SYSTEMS LLC,
[86] (2936858)
[87] (2936858)
[22] 2016-07-21
[30] US (62/195476) 2015-07-22

[11] **2,937,560**
[13] C

[51] **Int.Cl. B23K 35/24 (2006.01) B23K 35/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR WELDING WIRES FOR WELDING ZINC-COATED WORKPIECES**
[54] **SYSTEMES ET METHODES DE SOUDURE DE FIL EN VUE DE SOUDES DES PIECES DE TRAVAIL REVETUES DE ZINC**
[72] AMATA, MARIO ANTHONY, US
[72] THOMAS, SINDHU HILARY, US
[72] BUNDY, JOSEPH C., US
[72] HEFLIN-KING, TRE' DORELL, US
[72] BARHORST, STEVEN EDWARD, US
[73] HOBART BROTHERS COMPANY,
[86] (2937560)
[87] (2937560)
[22] 2016-08-02
[30] US (62/213,837) 2015-09-03
[30] US (15/136,227) 2016-04-22

[11] **2,937,562**
[13] C

[51] **Int.Cl. B23K 35/24 (2006.01) B23K 35/04 (2006.01)**
[25] EN
[54] **TUBULAR WELDING WIRE WITH A THINNER SHEATH FOR IMPROVED DEPOSITION RATES**
[54] **FIL DE SOUDAGE TUBULAIRE DOTE D'UNE COUCHE PROTECTRICE PLUS MINCE PERMETTANT D'AMELIORER LES TAUX DE DEPOT**
[72] BARHORST, STEVEN EDWARD, US
[72] BUNDY, JOSEPH C., US
[72] BERTRAM, MICHAEL SCOTT, US
[73] HOBART BROTHERS COMPANY,
[86] (2937562)
[87] (2937562)
[22] 2016-08-02
[30] US (62/203,627) 2015-08-11
[30] US (15/151,662) 2016-05-11

**Canadian Patents Issued
March 24, 2020**

[11] **2,937,947**
[13] C

[51] **Int.Cl. F23Q 13/04 (2006.01) F23D 14/34 (2006.01)**
[25] EN
[54] **STARTUP BURNER ASSEMBLY FOR RECOVERY BOILER AND METHOD**
[54] **ENSEMBLE BRULEUR DE DEMARRAGE POUR CHAUDIERE DE RECUPERATION ET PROCEDE**
[72] IMIG, GREGORY ALAN, US
[73] ANDRITZ INC.,
[85] 2016-07-25
[86] 2015-02-13 (PCT/US2015/015766)
[87] (WO2015/123495)
[30] US (61/939,775) 2014-02-14
[30] US (14/620,319) 2015-02-12

[11] **2,938,356**
[13] C

[51] **Int.Cl. B21B 27/00 (2006.01) C23C 2/02 (2006.01) C23C 2/40 (2006.01)**
[25] FR
[54] **METHOD OF PRODUCING PARTS WITH SLIGHT UNDULATION FROM AN ELECTROGALVANIZED SHEET, CORRESPONDING PART AND VEHICLE**
[54] **PROCEDE DE REALISATION DE PIECES A FAIBLE ONDULATION A PARTIR D'UNE TOLE ELECTROZINGUEE, PIECE ET VEHICULE CORRESPONDANTS**
[72] DERULE, HERVE, FR
[73] ARCELORMITTAL,
[85] 2016-07-29
[86] 2014-01-30 (PCT/IB2014/058666)
[87] (WO2015/114405)

[11] **2,938,544**
[13] C

[51] **Int.Cl. C07K 16/34 (2006.01) B01D 15/08 (2006.01) C07K 1/22 (2006.01)**
[25] EN
[54] **NOVEL AFFINITY CHROMATOGRAPHY MEDIA FOR REMOVAL OF ANTI-A AND/OR ANTI-B ANTIBODIES**
[54] **SUPPORT DE CHROMATOGRAPHIE PAR AFFINITE NOVATEUR DESTINE A L'ENLEVEMENT D'ANTICORPS ANTI-A ET ANTI-B**
[72] BIAN, NANYING, US
[72] SUN, CHIA-YUN, US
[72] HOLSTEIN, MELISSA, US
[72] COTONI, KRISTEN, US
[72] STONE, MATTHEW T., US
[72] RAHANE, SANTOSH, US
[73] MERCK PATENT GMBH,
[86] (2938544)
[87] (2938544)
[22] 2016-08-10
[30] US (62/215,401) 2015-09-08

[11] **2,938,768**
[13] C

[51] **Int.Cl. G06F 16/182 (2019.01) G06F 16/17 (2019.01)**
[25] EN
[54] **GEOGRAPHICALLY-DISTRIBUTED FILE SYSTEM USING COORDINATED NAMESPACE REPLICATION**
[54] **SYSTEME DE FICHIERS DISTRIBUES GEOGRAPHIQUEMENT AU MOYEN D'UNE REPLICATION D'ESPACE DE NOMMAGE COORDONNEE**
[72] SHVACHKO, KONSTANTIN V., US
[72] AAHLAD, YETURU, US
[72] SUNDAR, JAGANE, US
[72] JELIAZKOV, PLAMEN JELIAZKOV, US
[73] WANDISCO, INC.,
[85] 2016-08-03
[86] 2015-03-04 (PCT/US2015/018680)
[87] (WO2015/153045)
[30] US (14/231,311) 2014-03-31

[11] **2,939,103**
[13] C

[51] **Int.Cl. C12N 15/35 (2006.01) A61K 35/76 (2015.01) C07K 14/015 (2006.01) C12N 5/10 (2006.01) C12N 7/00 (2006.01) C12N 7/01 (2006.01) C12N 15/864 (2006.01) C12Q 1/68 (2018.01) C12Q 1/70 (2006.01)**
[25] EN
[54] **ADENO-ASSOCIATED VIRUS (AAV) CLADES, SEQUENCES, VECTORS CONTAINING SAME, AND USES THEREFOR**
[54] **VARIANTES DES VIRUS ASSOCIES AUX ADENOVIRUS (AAV), SEQUENCES, VECTEURS LES CONTENANT, ET LEUR UTILISATION**
[72] WILSON, JAMES M., US
[72] GAO, GUANGPING, US
[72] ALVIRA, MAURICIO R., US
[72] VANDENBERGHE, LUC H., US
[73] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA,
[86] (2939103)
[87] (2939103)
[22] 2004-09-30
[62] 2,814,613
[30] US (60/508,226) 2003-09-30
[30] US (60/566,546) 2004-04-29

[11] **2,939,281**
[13] C

[51] **Int.Cl. B60J 7/14 (2006.01) B62D 33/027 (2006.01) B62D 35/00 (2006.01) B62D 37/02 (2006.01)**
[25] EN
[54] **DEPLOYABLE AERODYNAMIC BED COVER SYSTEM**
[54] **SYSTEME DE COUVERCLE DE BENNE AERODYNAMIQUE DEPLOYABLE**
[72] POVINELLI, ANTHONY J., US
[72] MATTHEWS, MARTIN R., US
[73] MAGNA INTERNATIONAL INC.,
[85] 2016-08-10
[86] 2015-03-20 (PCT/US2015/021661)
[87] (WO2015/143267)
[30] US (61/968,438) 2014-03-21

Brevets canadiens délivrés
24 mars 2020

[11] **2,939,477**
[13] C

[51] **Int.Cl. A21D 10/02 (2006.01) A21D 6/00 (2006.01) A21D 8/02 (2006.01) A21D 8/06 (2006.01)**

[25] EN

[54] **NOVEL PROCESS FOR PRODUCING A FOOD BASED ON LEAVENED DOUGH, LEAVENED PUFF PASTRY DOUGH OR PUFF PASTRY DOUGH**

[54] **NOUVEAU PROCEDE D'OBTENTION D'UN ALIMENT SUR LA BASE DE PATE LEVEE, DE PATE FEUILLETEE LEVEE OU DE PATE FEUILLETEE**

[72] DOUAIRE, PHILIPPE, FR
[72] DE LAPORTE, ANDRE, BE
[73] VAMIX N.V.,
[85] 2016-08-10
[86] 2015-02-25 (PCT/EP2015/053921)
[87] (WO2015/128371)
[30] FR (1451541) 2014-02-26

[11] **2,939,868**
[13] C

[51] **Int.Cl. H04L 12/70 (2013.01) H04L 12/953 (2013.01)**

[25] EN

[54] **PACKETIZED RADIO FREQUENCY TRANSPORT SYSTEM**

[54] **SYSTEME DE TRANSPORT DE FREQUENCE RADIO PAR PAQUETS**

[72] ASIANO, WILLIAM T., US
[72] HEATH, DOUGLAS J., US
[72] SULLIVAN, DANIEL J., US
[72] MELESKI, JOHN J., US
[72] ORNDORFF, TIMOTHY JAMES, US
[72] GENRICH, THAD JAY, US
[73] KRATOS INTEGRAL HOLDINGS, LLC,
[85] 2016-08-16
[86] 2015-02-03 (PCT/US2015/014287)
[87] (WO2015/130434)
[30] US (61/945,652) 2014-02-27
[30] US (14/509,710) 2014-10-08

[11] **2,939,918**
[13] C

[51] **Int.Cl. C07C 51/15 (2006.01) C07C 51/573 (2006.01) C07C 53/08 (2006.01)**

[25] EN

[54] **ACETIC ACID PRODUCTION PROCESS**

[54] **PROCEDE DE PRODUCTION D'ACIDE ACETIQUE**

[72] HALLINAN, NOEL, US
[72] SALISBURY, BRIAN A., US
[72] WHITE, DANIEL F., US
[72] RAMAGE, DAVID L., US
[73] LYONDELLBASELL ACETYLS, LLC,
[85] 2016-08-16
[86] 2015-02-24 (PCT/US2015/017332)
[87] (WO2015/130682)
[30] US (61/946,269) 2014-02-28
[30] US (62/057,551) 2014-09-30

[11] **2,939,949**
[13] C

[51] **Int.Cl. A61B 5/0488 (2006.01)**

[25] EN

[54] **SYSTEMS, METHODS AND DEVICES FOR SENSING EMG ACTIVITY**

[54] **SYSTEMES, METHODES ET DISPOSITIFS UTILISES POUR DETECTER UNE ACTIVITE EMG**

[72] POWELL, NELSON, US
[72] MANSFIELD, PERRY THOMAS, US
[73] POWELL MANSFIELD, INC.,
[85] 2016-08-16
[86] 2015-02-27 (PCT/US2015/018196)
[87] (WO2015/131159)
[30] US (61/946,259) 2014-02-28

[11] **2,940,634**
[13] C

[51] **Int.Cl. C07D 491/107 (2006.01) G01N 21/64 (2006.01)**

[25] EN

[54] **STANNOUS FLUORESCENT PROBE**

[54] **SONDE FLUORESCENTE STANNEUSE**

[72] SHI, YUNMING, CN
[72] STRAND, ROSS, SG
[72] YI, TAO, CN
[72] LAN, HAICHUANG, CN
[72] WEN, YING, CN
[73] THE PROCTER & GAMBLE COMPANY,
[85] 2016-08-12
[86] 2015-03-13 (PCT/CN2015/074142)
[87] (WO2015/139577)
[30] CN (PCT/CN2014/073769) 2014-03-20

[11] **2,941,128**
[13] C

[51] **Int.Cl. A61G 9/00 (2006.01)**

[25] EN

[54] **MULTI-LINER ASSEMBLY FOR A BODY LIQUID RECEPTACLE AND BODY LIQUID RECEPTACLE INCLUDING SAME**

[54] **DISPOSITIF MULTI-DOUBLURE DESTINE A UN RECIPIENT DE LIQUIDE CORPOREL ET RECIPIENT DE LIQUIDE CORPOREL COMPORTANT LEDIT DISPOSITIF**

[72] TANGUAY, ERIC, CA
[72] PELLETIER, ERIC, CA
[73] HY-INDUSTRIE INC.,
[86] (2941128)
[87] (2941128)
[22] 2016-09-06
[30] US (62/213,995) 2015-09-03

**Canadian Patents Issued
March 24, 2020**

[11] **2,941,719**
[13] C

[51] **Int.Cl. E04B 1/343 (2006.01)**
[25] EN
[54] **A FRAMEWORK MODULE FOR USE IN MODULAR BUILDING CONSTRUCTION**
[54] **UN MODULE DE CADRE DE TRAVAIL DESTINE A LA CONSTRUCTION DE BATIMENT MODULAIRE**
[72] MORGAN, DAVID R., AU
[73] MORGAN, DAVID R.,
[86] (2941719)
[87] (2941719)
[22] 2016-09-14
[30] AU (2016203221) 2016-05-17

[11] **2,941,902**
[13] C

[51] **Int.Cl. H04L 12/801 (2013.01) H04W 28/12 (2009.01) H04L 12/813 (2013.01)**
[25] EN
[54] **TUNNEL CONGESTION VOLUME POLICING**
[54] **CONTROLE DE VOLUME DE CONGESTION DE TUNNEL**
[72] BAILLARGEON, STEVE, CA
[72] JOHANSSON, INGEMAR, SE
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL),
[85] 2016-09-07
[86] 2014-11-24 (PCT/SE2014/051399)
[87] (WO2015/142241)
[30] US (61/968,091) 2014-03-20

[11] **2,942,295**
[13] C

[51] **Int.Cl. B05B 7/08 (2006.01)**
[25] EN
[54] **IMPROVED LOW PRESSURE 2-K HANDHELD SPRAY GUN**
[54] **PISTOLET PULVERISATEUR PORTATIF 2-K BASSE PRESSION AMELIORE**
[72] DE BLOCK, RUDOLPH FRANK, NL
[72] ZAARBELINK, ANTONIUS WILHELMUS, NL
[73] STRONGBOND B.V.,
[85] 2016-09-09
[86] 2015-03-12 (PCT/NL2015/050155)
[87] (WO2015/137808)
[30] NL (2012409) 2014-03-12

[11] **2,942,630**
[13] C

[51] **Int.Cl. F02C 7/00 (2006.01) F01D 25/00 (2006.01) G05B 13/04 (2006.01) G05B 23/02 (2006.01)**
[25] EN
[54] **DYNAMIC SYSTEM ESTIMATION DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE D'ESTIMATION DE SYSTEME DYNAMIQUE**
[72] FURUKAWA, HIROYUKI, JP
[72] KAKIUCHI, DAIKI, JP
[72] KIMURA, MAI, JP
[73] IHI CORPORATION,
[85] 2016-09-13
[86] 2015-04-27 (PCT/JP2015/062717)
[87] (WO2015/166922)
[30] JP (2014-092861) 2014-04-28

[11] **2,942,941**
[13] C

[51] **Int.Cl. C02F 3/30 (2006.01) C02F 1/52 (2006.01) C02F 3/00 (2006.01) C02F 3/28 (2006.01) C12M 1/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR TREATING FGD BLOWDOWN OR SIMILAR LIQUIDS**
[54] **APPAREIL ET PROCEDE DE TRAITEMENT DE LIQUIDES DE PURGE DE DESULFURATION DES GAZ DE COMBUSTION OU DE LIQUIDES SIMILAIRES**
[72] PEETERS, JEFFREY GERARD, CA
[72] BONKOSKI, WILLIAM A., US
[72] COTE, PIERRE LUCIEN, CA
[72] HUSAIN, HIDAYAT, CA
[72] PICKETT, TIMOTHY MICHAEL, US
[73] ZENON TECHNOLOGY PARTNERSHIP,
[86] (2942941)
[87] (2942941)
[22] 2006-07-24
[62] 2,615,945
[30] US (60/701,996) 2005-07-25
[30] CA (2,517,322) 2005-08-26
[30] US (60/736,859) 2005-11-16

[11] **2,943,728**
[13] C

[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 47/02 (2006.01) A61K 47/30 (2006.01)**
[25] EN
[54] **ABUSE DETERRENT IMMEDIATE RELEASE BIPHASIC MATRIX SOLID DOSAGE FORM**
[54] **FORME GALENIQUE SOLIDE DE MATRICE BIPHASIQUE A LIBERATION IMMEDIATE ET DISSUASIVE D'ABUS**
[72] DHARMADHIKARI NITIN BHALACHANDRA, NITIN, IN
[72] ZALA YASHORAJ, YASHORAJ, IN
[72] SHANGHVI DILIP, DILIP, IN
[73] SUN PHARMA ADVANCED RESEARCH COMPANY LTD.,
[85] 2016-09-23
[86] 2015-03-25 (PCT/IN2015/000141)
[87] (WO2015/145461)
[30] IN (1041/MUM/2014) 2014-03-26
[30] IN (2378/MUM/2014) 2014-07-23
[30] IN (2917/MUM/2014) 2014-09-13
[30] IN (74/MUM/2015) 2015-01-08

[11] **2,943,972**
[13] C

[51] **Int.Cl. H01B 19/00 (2006.01) H01B 3/30 (2006.01) H01B 17/62 (2006.01)**
[25] EN
[54] **ELECTRICAL INSULATOR APPARATUS AND METHOD OF MANUFACTURING THE SAME**
[54] **APPAREIL D'ISOLEMENT ELECTRIQUE ET METHODE DE FABRICATION ASSOCIEE**
[72] WILLIAMS, MICHAEL L., US
[72] GRENIER, GARY C., US
[72] CLEMENT, CHARLES J., US
[73] MARMON UTILITY, LLC,
[86] (2943972)
[87] (2943972)
[22] 2016-09-30
[30] US (14/936,147) 2015-11-09

Brevets canadiens délivrés
24 mars 2020

[11] **2,944,059**
[13] C

[51] **Int.Cl. A61M 5/145 (2006.01) A61M 5/142 (2006.01) A61M 5/31 (2006.01)**
[25] EN
[54] **COMPACT MECHANICAL PUMP**
[54] **POMPE MECANIQUE COMPACTE**
[72] SEALFON, ANDREW L., US
[73] REPRO-MED SYSTEMS, INC.,
[85] 2016-09-26
[86] 2015-03-28 (PCT/US2015/023221)
[87] (WO2015/149050)
[30] US (61/971,942) 2014-03-28

[11] **2,944,094**
[13] C

[51] **Int.Cl. F03D 7/02 (2006.01) F03D 80/10 (2016.01) F03D 80/60 (2016.01) F03D 7/04 (2006.01)**
[25] EN
[54] **METHOD FOR FEEDING IN ELECTRICAL ENERGY BY MEANS OF A WIND TURBINE**
[54] **PROCEDE D'ALIMENTATION D'ENERGIE ELECTRIQUE AU MOYEN D'UNE EOLIENNE**
[72] DE BOER, WOLFGANG, DE
[73] WOBHEN PROPERTIES GMBH,
[85] 2016-09-27
[86] 2015-03-31 (PCT/EP2015/057122)
[87] (WO2015/155080)
[30] DE (102014206884.3) 2014-04-09

[11] **2,944,361**
[13] C

[51] **Int.Cl. G06F 16/13 (2019.01) G06F 16/901 (2019.01)**
[25] EN
[54] **NAMESPACE MANAGEMENT IN DISTRIBUTED STORAGE SYSTEMS**
[54] **GESTION D'ESPACE DE NOM DANS DES SYSTEMES DE MEMORISATION DISTRIBUES**
[72] HENDRICKSON, JOSHUA SAMUEL, US
[72] OIKARINEN, MATTI JUHANI, US
[72] HAUGLAND, ALEX, US
[72] VINCENT, PRADEEP, US
[72] FRIGO, MATTEO, US
[72] WU, XIAOBIN, US
[73] AMAZON TECHNOLOGIES, INC.,
[85] 2016-09-28
[86] 2015-03-26 (PCT/US2015/022647)
[87] (WO2015/153259)
[30] US (14/231,095) 2014-03-31

[11] **2,944,371**
[13] C

[51] **Int.Cl. H02B 1/56 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **COOLING DEVICE, IN PARTICULAR FOR COOLING COMPONENTS HOUSED IN A SWITCHGEAR CABINET, CORRESPONDING USE, AND CORRESPONDING METHOD**
[54] **APPAREIL FRIGORIFIQUE, DESTINE EN PARTICULIER A REFROIDIR DES COMPOSANTS LOGES DANS UNE ARMOIRE ELECTRIQUE, UTILISATION CORRESPONDANTE ET PROCEDE CORRESPONDANT**
[72] ROSENTHAL, DANIEL, DE
[72] CACHO ALONSO, JUAN CARLOS, DE
[72] HEIMBERG, THORSTEN, DE
[72] KNETSCH, JORG, DE
[73] RITTAL GMBH & CO. KG,
[85] 2016-09-29
[86] 2015-06-05 (PCT/DE2015/100226)
[87] (WO2015/185040)
[30] DE (10 2014 107 931.0) 2014-06-05

[11] **2,945,507**
[13] C

[51] **Int.Cl. C12P 3/00 (2006.01) C12M 1/107 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **PROCESS FOR HYDROGEN PRODUCTION FROM GLYCEROL**
[54] **PROCEDE DE PRODUCTION D'HYDROGENE A PARTIR DU GLYCEROL**
[72] PACHAPUR, VINAYAK, IN
[72] SARMA, SAURABH JYOTI, IN
[72] MAITI, SAMPA, IN
[72] BRAR, SATINDER KAUR, CA
[72] LEBIHAN, YANN, CA
[72] BUELNA, GERARDO, CA
[72] VERMA, MAUSAM, CA
[72] DAS, RATUL KUMAR, IN
[73] INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE,
[73] CENTRE DE RECHERCHE INDUSTRIELLE DU QUEBEC (CRIQ),
[86] (2945507)
[87] (2945507)
[22] 2016-10-14

[11] **2,946,403**
[13] C

[51] **Int.Cl. A61M 25/06 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING AN INTEGRATED PACKAGE AND GRIP FOR CATHETER**
[54] **SYSTEMES ET PROCEDES DE FOURNITURE D'EMBALLAGE INTEGRE ET DE POIGNEE POUR CATHETER**
[72] BORNHOFT, STEPHEN T., US
[73] BECTON, DICKINSON AND COMPANY,
[85] 2016-10-19
[86] 2015-04-14 (PCT/US2015/025793)
[87] (WO2015/164131)
[30] US (14/260,049) 2014-04-23

[11] **2,946,923**
[13] C

[51] **Int.Cl. G08B 29/14 (2006.01) G08B 13/02 (2006.01)**
[25] EN
[54] **INPUT ZONE ENHANCER AND METHOD**
[54] **DISPOSITIF D'AMELIORATION DE ZONE D'ENTREE ET METHODE**
[72] JARONCZYK, CEZARY CJ, CA
[73] JARONCZYK, CEZARY CJ,
[86] (2946923)
[87] (2946923)
[22] 2016-10-31
[30] US (62/281,495) 2016-01-21

[11] **2,947,011**
[13] C

[51] **Int.Cl. G10L 15/02 (2006.01) H04W 4/18 (2009.01) G10L 25/51 (2013.01) G08B 6/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PROVIDING ALERTS FOR RADIO COMMUNICATIONS**
[54] **PROCEDE ET SYSTEME DE FOURNITURE D'ALERTE POUR COMMUNICATIONS RADIO**
[72] KOSKAN, PATRICK D., US
[72] MILLET, BARBARA, US
[73] MOTOROLA SOLUTIONS, INC.,
[85] 2016-10-25
[86] 2015-04-16 (PCT/US2015/026148)
[87] (WO2015/164178)
[30] US (14/262,015) 2014-04-25

**Canadian Patents Issued
March 24, 2020**

[11] **2,947,106**
[13] C

[51] **Int.Cl. G01R 31/08 (2020.01)**
[25] EN
[54] **METHOD AND MEASURING DEVICE FOR INTERMODULATION MEASUREMENT**
[54] **PROCEDE ET APPAREIL DE MESURE D'INTERMODULATION**
[72] ENTSFELLNER, CHRISTIAN, DE
[72] KAINDL, BENJAMIN, DE
[72] SCHWAB, MARTIN, DE
[73] ROSENBERGER HOCHFREQUENZTECHNIK GMBH & CO. KG,
[85] 2016-10-25
[86] 2014-09-19 (PCT/EP2014/002549)
[87] (WO2015/172798)
[30] DE (10 2014 007 151.0) 2014-05-15

[11] **2,947,143**
[13] C

[51] **Int.Cl. E21B 47/00 (2012.01) E21B 47/12 (2012.01) G01V 3/18 (2006.01)**
[25] EN
[54] **CASING SEGMENT HAVING AT LEAST ONE TRANSMISSION CROSSOVER ARRANGEMENT**
[54] **SEGMENT DE TUBAGE AYANT AU MOINS UN AGENCEMENT DE TRANSMISSION**
[72] BITTAR, MICHAEL S., US
[72] MENEZES, CLIVE D., US
[73] HALLIBURTON ENERGY SERVICES, INC.,
[85] 2016-10-26
[86] 2015-04-23 (PCT/US2015/027378)
[87] (WO2015/167936)
[30] US (61/987,450) 2014-05-01
[30] US (61/987,449) 2014-05-01

[11] **2,948,212**
[13] C

[51] **Int.Cl. B25J 19/00 (2006.01) F16F 1/377 (2006.01)**
[25] EN
[54] **SHOCK-ABSORBING DEVICE FOR A HUMANOID ROBOT**
[54] **DISPOSITIF AMORTISSEUR DE CHOCS POUR UN ROBOT HUMANOIDE**
[72] CLERC, VINCENT, FR
[72] TESSIER, LUDOVIC, FR
[72] MUGNIER, FABIEN, FR
[73] SOFTBANK ROBOTICS EUROPE,
[85] 2016-11-07
[86] 2015-05-07 (PCT/EP2015/060046)
[87] (WO2015/169894)
[30] FR (1454161) 2014-05-07

[11] **2,948,332**
[13] C

[51] **Int.Cl. B60K 11/08 (2006.01)**
[25] EN
[54] **ACTIVE GRILLE SHUTTER FOR CURVED SURFACE**
[54] **OBTURATEUR DE GRILLE ACTIF POUR SURFACE INCURVEE**
[72] MANHIRE, JEFFREY B., US
[73] MAGNA EXTERIORS INC.,
[85] 2016-11-07
[86] 2015-05-05 (PCT/US2015/029262)
[87] (WO2015/171623)
[30] US (61/988,513) 2014-05-05

[11] **2,949,105**
[13] C

[51] **Int.Cl. G06T 5/00 (2006.01) H04N 19/176 (2014.01) H04N 19/86 (2014.01) G06T 7/20 (2017.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR SUPPRESSING ATMOSPHERIC TURBULENCE IN IMAGES**
[54] **PROCEDES ET SYSTEMES DE SUPPRESSION DE TURBULENCES ATMOSPHERIQUES DANS DES IMAGES**
[72] FOI, ALESSANDRO, FI
[72] KATKOVNIK, VLADIMIR, FI
[72] MOLCHANOV, PAVLO, FI
[72] SANCHEZ-MONGE, ENRIQUE, FI
[73] FLIR SYSTEMS, INC.,
[73] NOISELESS IMAGING OY LTD.,
[85] 2016-11-14
[86] 2015-05-22 (PCT/US2015/032302)
[87] (WO2015/179841)
[30] US (62/002,731) 2014-05-23
[30] US (14/720,086) 2015-05-22

[11] **2,949,352**
[13] C

[51] **Int.Cl. C22C 37/06 (2006.01) B22C 9/02 (2006.01) C22C 30/00 (2006.01)**
[25] EN
[54] **HYPEREUTECTIC WHITE IRON ALLOYS COMPRISING CHROMIUM AND NITROGEN AND ARTICLES MADE THEREFROM**
[54] **ALLIAGES DE FER BLANC HYPEREUTECTIQUES CONTENANT DU CHROME ET DE L'AZOTE, ET ARTICLES FABRIQUES A PARTIR DE CES ALLIAGES**
[72] RADON, ROMAN, US
[72] RADON, RAPHAEL, US
[73] RADON, ROMAN,
[73] RADON, RAPHAEL,
[85] 2016-11-16
[86] 2015-05-15 (PCT/US2015/031120)
[87] (WO2015/175959)
[30] US (14/279,600) 2014-05-16

[11] **2,949,453**
[13] C

[51] **Int.Cl. B01D 53/64 (2006.01) C02F 1/62 (2006.01) C02F 1/76 (2006.01) C01G 13/00 (2006.01)**
[25] EN
[54] **TREATMENT PROCESS OF GAS CONTAINING ZERO-VALENT MERCURY AND MERCURY SEPARATION SYSTEM**
[54] **PROCEDE DE TRAITEMENT DE GAZ RENFERMANT DU MERCURE A VALENCE NULLE ET UN DISPOSITIF DE SEPARATION DU MERCURE**
[72] TAKEDA, DAI, JP
[72] AWAI, EIJI, JP
[72] MATSUMOTO, JUN, JP
[72] UEMURA, MASATAKA, JP
[72] MARUKAWA, HIRONOBU, JP
[73] CHIYODA CORPORATION,
[85] 2016-11-17
[86] 2015-05-18 (PCT/JP2015/002473)
[87] (WO2015/177999)
[30] JP (2014-104888) 2014-05-21

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,949,473**
[13] C

[51] **Int.Cl. H04N 5/243 (2006.01) H04N 5/225 (2006.01)**
[25] EN
[54] **IMAGE PROCESSING SYSTEM, IMAGING APPARATUS, IMAGE PROCESSING METHOD, AND COMPUTER-READABLE STORAGE MEDIUM**
[54] **APPAREIL DE TRAITEMENT D'IMAGE, APPAREIL D'IMAGERIE, PROCÉDE DE TRAITEMENT D'IMAGE, ET SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR**
[72] YOSHIKAWA, HIROMI, JP
[72] YOSHIDA, KAZUHIRO, JP
[73] RICOH COMPANY, LIMITED,
[85] 2016-11-17
[86] 2015-05-20 (PCT/JP2015/065151)
[87] (WO2015/182626)
[30] JP (2014-109112) 2014-05-27

[11] **2,949,963**
[13] C

[51] **Int.Cl. G05B 19/4062 (2006.01) B64C 13/50 (2006.01) B64C 25/26 (2006.01)**
[25] FR
[54] **ACTIVATION DEVICE FOR AIRCRAFT**
[54] **SYSTEME D'ACTIONNEMENT POUR AERONEF**
[72] MOUTAUX, ANTOINE, FR
[72] NIERLICH, FLORENT, FR
[73] SAFRAN HELICOPTER ENGINES,
[86] (2949963)
[87] (2949963)
[22] 2016-11-28
[30] FR (15 61679) 2015-12-01

[11] **2,950,287**
[13] C

[51] **Int.Cl. A01N 63/20 (2020.01) A01C 1/06 (2006.01) A01N 25/02 (2006.01) A01N 25/08 (2006.01) A01P 5/00 (2006.01)**
[25] EN
[54] **MATERIALS AND METHODS FOR CONTROLLING NEMATODES WITH PASTEURIA SPORES IN SEED COATINGS**
[54] **MATERIELS ET METHODES DE LUTTE CONTRE LES NEMATODES AVEC DES SPORES DE PASTEURIA DANS DES ENROBAGES DE GRAINES**
[72] HEWLETT, THOMAS E., US
[72] WATERS, JOHN P., US
[72] BARMORE, CHARLES S., US
[73] SYNGENTA CROP PROTECTION AG,
[86] (2950287)
[87] (2950287)
[22] 2009-12-18
[62] 2,745,672
[30] US (61/139,304) 2008-12-19

[11] **2,950,864**
[13] C

[51] **Int.Cl. A61M 1/16 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING DIALYSATE, DIALYSIS SYSTEM, AND METHOD FOR PRE-EVALUATING DIALYSIS PATIENTS FOR TREATMENT WITH SAME**
[54] **PROCÉDE DE TRAITEMENT DE DIALYSAT, SYSTEME DE DIALYSE ET PROCÉDE DE PRE-EVALUATION DE PATIENTS SOUS DIALYSE POUR UN TRAITEMENT AVEC CEUX-CI**
[72] MERCHANT, STEPHEN, US
[73] FRESenius MEDICAL CARE HOLDINGS, INC.,
[85] 2016-11-29
[86] 2015-05-28 (PCT/US2015/032778)
[87] (WO2015/184033)
[30] US (62/004,642) 2014-05-29

[11] **2,950,918**
[13] C

[51] **Int.Cl. F16M 13/02 (2006.01) B25H 3/02 (2006.01) E06B 7/28 (2006.01)**
[25] EN
[54] **GARAGE DOOR STORAGE SYSTEM**
[54] **SYSTEME DE RANGEMENT POUR PORTE DE GARAGE**
[72] HAINES, JOSEPH, CA
[73] HAINES, JOSEPH,
[86] (2950918)
[87] (2950918)
[22] 2016-12-07

[11] **2,951,020**
[13] C

[51] **Int.Cl. E21B 10/42 (2006.01) E21B 10/43 (2006.01) E21B 10/56 (2006.01)**
[25] EN
[54] **ROLLING CUTTER ASSEMBLIES**
[54] **ENSEMBLES MOLETTE**
[72] PROPE, CHRISTOPHER CHARLES, US
[72] ATKINS, BRIAN, US
[73] HALLIBURTON ENERGY SERVICES, INC.,
[85] 2016-12-01
[86] 2014-07-28 (PCT/US2014/048362)
[87] (WO2016/018204)

[11] **2,951,929**
[13] C

[51] **Int.Cl. A61F 9/06 (2006.01)**
[25] EN
[54] **PROTECTIVE HEADWEAR WITH AIRFLOW**
[54] **CASQUE DE PROTECTION AVEC CIRCULATION D'AIR**
[72] GARDNER, WILLIAM P., US
[72] PATEL, NISHANK R., US
[72] SOMMERS, ERIC T., US
[72] MEHNERT, JOHN C., US
[73] ILLINOIS TOOL WORKS INC.,
[85] 2016-12-09
[86] 2015-06-13 (PCT/US2015/035714)
[87] (WO2015/195496)
[30] US (62/012,509) 2014-06-16
[30] US (14/737,032) 2015-06-11

**Canadian Patents Issued
March 24, 2020**

[11] **2,952,495**
[13] C

[51] **Int.Cl. B23K 9/095 (2006.01) B23K 31/12 (2006.01) G09B 19/24 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD OF MONITORING WELDING INFORMATION**

[54] **SYSTEME ET PROCEDE DE SURVEILLANCE D'INFORMATIONS DE SOUDAGE**

[72] BECKER, WILLIAM JOSHUA, US

[72] BEESON, RICHARD, US

[73] ILLINOIS TOOL WORKS INC.,

[85] 2016-12-14

[86] 2015-06-24 (PCT/US2015/037439)

[87] (WO2015/200491)

[30] US (62/018,334) 2014-06-27

[30] US (14/747,701) 2015-06-23

[11] **2,953,769**
[13] C

[51] **Int.Cl. H01L 31/048 (2014.01) C08J 3/24 (2006.01) C08K 5/14 (2006.01) C08K 5/5425 (2006.01) C08L 33/08 (2006.01)**

[25] FR

[54] **ENCAPSULANT OF A PHOTOVOLTAIC MODULE**

[54] **ENCAPSULANT D'UN MODULE PHOTOVOLTAIQUE**

[72] JACQUES, GUILAUME, FR

[72] BIZET, STEPHANE, FR

[72] SAVIGNAT, BENOIT, FR

[72] CANNET, MOLLY, FR

[73] ARKEMA FRANCE,

[85] 2016-12-28

[86] 2015-06-26 (PCT/FR2015/051733)

[87] (WO2016/001540)

[30] FR (1456309) 2014-07-02

[11] **2,954,194**
[13] C

[51] **Int.Cl. A42B 3/12 (2006.01) A42B 3/06 (2006.01)**

[25] EN

[54] **HELMET TO REDUCE TRAUMATIC BRAIN INJURIES**

[54] **CASQUE PERMETTANT DE REDUIRE LES TRAUMATISMES CEREBRAUX**

[72] PODBOY, RONALD A., US

[73] PODBOY, RONALD A.,

[86] (2954194)

[87] (2954194)

[22] 2017-01-12

[30] US (14/993,989) 2016-01-12

[11] **2,954,507**
[13] C

[51] **Int.Cl. A61B 1/00 (2006.01) A61B 1/05 (2006.01) A61B 1/06 (2006.01)**

[25] EN

[54] **A SYSTEM AND METHOD FOR WIRELESSLY TRANSMITTING OPERATIONAL DATA FROM AN ENDOSCOPE TO A REMOTE DEVICE**

[54] **SYSTEME ET PROCEDE DE TRANSMISSION DE DONNEES OPERATIONNELLES, SANS FIL, D'UN ENDOSCOPE A UN DISPOSITIF DISTANT**

[72] WILLIAMS, DAWN R., US

[73] INTEGRATED MEDICAL SYSTEMS INTERNATIONAL, INC.,

[85] 2017-01-06

[86] 2015-06-22 (PCT/US2015/037008)

[87] (WO2016/007276)

[30] US (61/998,690) 2014-07-07

[30] US (14/508,265) 2014-10-07

[11] **2,954,621**
[13] C

[51] **Int.Cl. F16M 11/04 (2006.01) A61G 3/00 (2006.01) B60P 7/08 (2006.01)**

[25] EN

[54] **EQUIPMENT MOUNTING SYSTEM**

[54] **SYSTEME DE MONTAGE D'EQUIPEMENT**

[72] SCHROEDER, TIMOTHY PAUL, US

[72] WEST, JAMES C., US

[72] CHINN, ROBERT C., US

[72] SMOLAN, PETER, US

[72] VACULA, MICHAL, US

[72] TUREK, LADISLAV, US

[73] FERNO-WASHINGTON, INC.,

[85] 2017-01-09

[86] 2014-08-08 (PCT/US2014/050392)

[87] (WO2016/010568)

[30] US (62/026,515) 2014-07-18

[11] **2,954,807**
[13] C

[51] **Int.Cl. C05C 1/02 (2006.01)**

[25] EN

[54] **COMPOSITION COMPRISING AMMONIUM NITRATE-BASED PARTICLES AND A GELLING AGENT**

[54] **COMPOSITION COMPRENANT DES PARTICULES A BASE DE NITRATE D'AMMONIUM ET AGENT GELIFIANT**

[72] TANDE, TERJE, NO

[72] LEDOUX, FRANCOIS, FR

[73] YARA INTERNATIONAL ASA,

[85] 2017-01-11

[86] 2015-07-14 (PCT/EP2015/066040)

[87] (WO2016/008875)

[30] NO (20140895) 2014-07-14

[11] **2,955,095**
[13] C

[51] **Int.Cl. G10L 19/18 (2013.01) G10L 21/038 (2013.01) G10L 19/02 (2013.01) G10L 19/04 (2013.01)**

[25] EN

[54] **AUDIO ENCODER AND DECODER USING A FREQUENCY DOMAIN PROCESSOR WITH FULL-BAND GAP FILLING AND A TIME DOMAIN PROCESSOR**

[54] **CODEUR ET DECODEUR AUDIO METTANT EN OEUVRE UN PROCESSEUR DE DOMAINE FREQUENTIEL A COMPLEMENT DE LACUNES DE BANDE COMPLETE ET UN PROCESSEUR DE DOMAINE TEMPOREL**

[72] DISCH, SASCHA, DE

[72] DIETZ, MARTIN, DE

[72] MULTRUS, MARKUS, DE

[72] FUCHS, GUILLAUME, DE

[72] RAVELLI, EMMANUEL, DE

[72] NEUSINGER, MATTHIAS, DE

[72] SCHNELL, MARKUS, DE

[72] SCHUBERT, BENJAMIN, DE

[72] GRILL, BERNHARD, DE

[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.,

[85] 2017-01-12

[86] 2015-07-24 (PCT/EP2015/067003)

[87] (WO2016/016123)

[30] EP (14178817.4) 2014-07-28

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,955,122**
[13] C

[51] **Int.Cl. H02K 1/20 (2006.01) H02K 1/16 (2006.01) H02K 3/24 (2006.01) H02K 9/22 (2006.01)**

[25] EN

[54] **A SYNCHRONOUS GENERATOR COMPRISING COOLING BODIES INSERTED IN THE STATOR SLOTS**

[54] **UN GENERATEUR SYNCHRONE COMPORTANT DES CORPS DE REFROIDISSEMENT INSERES DANS LES FENTES DU STATOR**

[72] ROER, JOCHEN, DE

[72] MIDDELSTADT, FALK, DE

[73] WOBEN PROPERTIES GMBH,

[85] 2017-01-13

[86] 2015-07-20 (PCT/EP2015/066569)

[87] (WO2016/023710)

[30] DE (10 2014 216 148.7) 2014-08-14

[11] **2,955,218**
[13] C

[51] **Int.Cl. E02D 27/48 (2006.01) E02D 15/00 (2006.01) E04G 23/04 (2006.01)**

[25] EN

[54] **RAPID PIER**

[54] **PILIER RAPIDE**

[72] BARRON, BRENT, US

[72] BROWN, RANDALL W., US

[72] HIBBARD, EDWARD, US

[73] URETEK USA, INC.,

[85] 2017-01-13

[86] 2015-07-14 (PCT/US2015/040423)

[87] (WO2016/011060)

[30] US (62/024,759) 2014-07-15

[11] **2,955,383**
[13] C

[51] **Int.Cl. F16K 39/02 (2006.01) F16K 1/10 (2006.01) F16K 1/54 (2006.01) F16K 25/02 (2006.01)**

[25] EN

[54] **VALVE ASSEMBLY**

[54] **CLAPET**

[72] ZUCK, JAMES C., US

[72] HOFFMAN, ALEX L., US

[73] MARSHALL EXCELSIOR COMPANY,

[86] (2955383)

[87] (2955383)

[22] 2009-10-01

[62] 2,681,418

[30] US (61/101,804) 2008-10-01

[30] US (12/570,763) 2009-09-30

[30] US (61/166,088) 2009-04-02

[11] **2,956,001**
[13] C

[51] **Int.Cl. A61B 1/32 (2006.01) A61B 1/015 (2006.01) A61B 1/06 (2006.01) A61B 1/303 (2006.01)**

[25] EN

[54] **MINIMALLY OBSTRUCTIVE COMPACT SPECULUM**

[54] **SPECULUM COMPACT PEU OBSTRUCTIF**

[72] NADERSHAHI, AFSHIN, US

[72] DESHPANDE, SUDEEP, US

[73] PROA MEDICAL, INC.,

[85] 2017-01-20

[86] 2015-08-03 (PCT/US2015/043414)

[87] (WO2016/022470)

[30] US (62/032,590) 2014-08-03

[11] **2,956,010**
[13] C

[51] **Int.Cl. G10L 19/025 (2013.01)**

[25] EN

[54] **PROCESSOR AND METHOD FOR PROCESSING AND AUDIO SIGNAL USING TRUNCATED ANALYSIS OR SYNTHESIS WINDOW OVERLAP PORTIONS**

[54] **PROCESSEUR ET METHODE DE TRAITEMENT ET SIGNAL AUDIO EMPLOYANT UNE ANALYSE TRONQUEE OU LA SYNTHESE DE PORTIONS CHEVAUCHANTES DE FENETRE**

[72] FUCHS, GUILLAUME, DE

[72] MULTRUS, MARKUS, DE

[72] NEUSINGER, MATTHIAS, DE

[72] NIEDERMEIER, ANDREAS, DE

[72] SCHNELL, MARKUS, DE

[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.,

[85] 2017-01-23

[86] 2015-07-24 (PCT/EP2015/066997)

[87] (WO2016/016120)

[30] EP (14178774.7) 2014-07-28

[11] **2,956,064**
[13] C

[51] **Int.Cl. A61F 2/24 (2006.01) A61B 5/107 (2006.01)**

[25] EN

[54] **VALVE CUSP SIZER**

[54] **CALIBREUR DE CUSPIDE DE VALVULE**

[72] OZAKI, SHIGEYUKI, JP

[73] JAPANESE ORGANIZATION FOR MEDICAL DEVICE DEVELOPMENT, INC.,

[85] 2017-01-23

[86] 2015-08-19 (PCT/JP2015/073197)

[87] (WO2016/039095)

[30] JP (2014-182150) 2014-09-08

[11] **2,956,080**
[13] C

[51] **Int.Cl. G02B 1/10 (2015.01) G02C 7/02 (2006.01)**

[25] EN

[54] **PATTERNED ARTICLES AND METHODS FOR COATING SUBSTRATES WITH A PATTERNED LAYER**

[54] **ARTICLES A MOTIFS, ET PROCEDES DE REVETEMENT DE SUBSTRATS A L'AIDE D'UNE COUCHE A MOTIFS**

[72] KESTER, NORMAN L., US

[73] QUANTUM INNOVATIONS, INC.,

[85] 2017-01-23

[86] 2015-07-22 (PCT/US2015/041508)

[87] (WO2016/014650)

[30] US (62/028,035) 2014-07-23

[30] US (14/804,503) 2015-07-21

[11] **2,956,116**
[13] C

[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/1459 (2006.01) A61B 5/1473 (2006.01)**

[25] EN

[54] **MEDICAL DEVICE AND METHOD FOR PRODUCING A MEDICAL DEVICE**

[54] **DISPOSITIF MEDICAL ET PROCEDE DE PRODUCTION D'UN DISPOSITIF MEDICAL**

[72] DECK, FRANK, DE

[73] F. HOFFMANN-LA ROCHE AG,

[85] 2017-01-24

[86] 2015-08-04 (PCT/EP2015/067921)

[87] (WO2016/020370)

[30] EP (14180045.8) 2014-08-06

**Canadian Patents Issued
March 24, 2020**

[11] **2,956,207**
[13] C

[51] **Int.Cl. G06F 8/70 (2018.01)**
[25] EN
[54] **PROGRAM CODE COMPARISON AND REPORTING**
[54] **COMPARAISON DE CODE DE PROGRAMME ET PRODUCTION DE RAPPORT**
[72] SURI, SIDDHARTH, US
[73] ACCENTURE GLOBAL SOLUTIONS LIMITED,
[86] (2956207)
[87] (2956207)
[22] 2017-01-25
[30] US (15/197,156) 2016-06-29

[11] **2,956,531**
[13] C

[51] **Int.Cl. G10L 25/78 (2013.01)**
[25] EN
[54] **ESTIMATION OF BACKGROUND NOISE IN AUDIO SIGNALS**
[54] **ESTIMATION D'UN BRUIT DE FOND DANS DES SIGNAUX AUDIO**
[72] SEHLSTEDT, MARTIN, SE
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL),
[85] 2017-01-26
[86] 2015-07-01 (PCT/SE2015/050770)
[87] (WO2016/018186)
[30] US (62/030,121) 2014-07-29

[11] **2,956,537**
[13] C

[51] **Int.Cl. C22C 38/14 (2006.01) C21D 8/02 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/08 (2006.01)**
[25] FR
[54] **PROCESS FOR MANUFACTURING STEEL SHEETS FOR PRESS HARDENING, AND PARTS OBTAINED BY MEANS OF THIS PROCESS**
[54] **PROCEDE DE FABRICATION DE TOILES D'ACIER POUR DURCISSEMENT SOUS PRESSE, ET PIECES OBTENUES PAR CE PROCEDE**
[72] COBO, SEBASTIAN, FR
[72] PUERTA VELASQUEZ, JUAN DAVID, FR
[72] BEAUVAIS, MARTIN, FR
[72] VINCI, CATHERINE, FR
[73] ARCELORMITTAL,
[85] 2017-01-26
[86] 2015-07-29 (PCT/IB2015/001273)
[87] (WO2016/016707)
[30] IB (PCT/IB2014/001428) 2014-07-30

[11] **2,956,562**
[13] C

[51] **Int.Cl. A47C 7/40 (2006.01) A47C 1/022 (2006.01) A47C 5/12 (2006.01) A47C 7/14 (2006.01)**
[25] EN
[54] **BACK SUPPORT FOR A CHAIR**
[54] **SUPPORT LOMBAIRE DESTINE A UNE CHAISE**
[72] BEYER, PETER J., US
[72] FLEET, KYLE R., US
[72] SCHASEL, MICHAEL E., US
[72] KERCHER, TODD A., US
[72] GESSLER, BRIAN S., US
[72] BELLINGAR, TERESA A., US
[73] HAWORTH, INC.,
[86] (2956562)
[87] (2956562)
[22] 2017-01-27
[30] US (15/042,723) 2016-02-12

[11] **2,956,570**
[13] C

[51] **Int.Cl. E21B 44/00 (2006.01) E21B 12/00 (2006.01) G05B 19/02 (2006.01)**
[25] EN
[54] **ADJUSTING SURVEY POINTS POST-CASING FOR IMPROVED WEAR ESTIMATION**
[54] **AJUSTEMENT DE POINTS DE SONDAGE POST-TUBAGE POUR ESTIMATION AMELIOREE DE L'USURE**
[72] SAMUEL, ROBELLO, US
[72] ANIKET, US
[73] LANDMARK GRAPHICS CORPORATION,
[85] 2017-01-27
[86] 2014-09-08 (PCT/US2014/054594)
[87] (WO2016/039723)

[11] **2,957,763**
[13] C

[51] **Int.Cl. F21V 29/74 (2015.01) F21V 29/76 (2015.01) F21V 29/77 (2015.01) F21K 9/00 (2016.01) F21V 23/00 (2015.01)**
[25] EN
[54] **AN LED LIGHTING APPARATUS WITH AN OPEN FRAME NETWORK OF LIGHT MODULES**
[54] **APPAREIL D'ECLAIRAGE A DEL A RESEAU CADRE OUVERT DE MODULES LUMINEUX**
[72] PECK, JOHN PATRICK, US
[72] JENKINS, KENNETH, US
[72] BOEGE, SAMUAL DAVID, US
[73] DIALIGHT CORPORATION,
[85] 2017-02-09
[86] 2015-08-12 (PCT/US2015/044873)
[87] (WO2016/025609)
[30] US (14/458,494) 2014-08-13

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,957,928**
[13] C

[51] **Int.Cl. G01N 1/28 (2006.01) G01N 1/38 (2006.01) G01N 27/62 (2006.01) H01J 49/40 (2006.01)**

[25] EN

[54] **METHOD OF SAMPLE PREPARATION FOR MALDI AND AUTOMATED SYSTEM THEREFOR**

[54] **PROCEDE DE PREPARATION D'ECHANTILLON POUR MALDI ET SYSTEME AUTOMATISE A CET EFFET**

[72] WILES, TIMOTHY, US

[72] MANTLO, JOHN D., US

[73] BECTON, DICKINSON AND COMPANY,

[85] 2017-02-10

[86] 2015-08-17 (PCT/US2015/045506)

[87] (WO2016/028684)

[30] US (62/038,509) 2014-08-18

[11] **2,957,973**
[13] C

[51] **Int.Cl. F21V 23/02 (2006.01) F21V 29/70 (2015.01) F21K 9/00 (2016.01) F21K 9/238 (2016.01) F21V 23/00 (2015.01) F21V 29/74 (2015.01)**

[25] EN

[54] **LIGHT EMITTING DIODE LUMINAIRE FOR CONNECTION IN SERIES**

[54] **LUMINAIRE A DIODES ELECTROLUMINESCENTES DESTINE A ETRE BRANCHE EN SERIE**

[72] HEBBORN, KEVIN A., US

[72] BOEGE, SAMUAL DAVID, US

[73] DIALIGHT CORPORATION,

[86] (2957973)

[87] (2957973)

[22] 2012-08-01

[62] 2,843,591

[30] US (13/196,277) 2011-08-02

[11] **2,958,048**
[13] C

[51] **Int.Cl. E21B 47/00 (2012.01) E21B 49/00 (2006.01)**

[25] EN

[54] **RARE EARTH ALLOYS AS BOREHOLE MARKERS**

[54] **ALLIAGES DE TERRES RARES EN TANT QUE MARQUEURS DE TROU DE FORAGE**

[72] HESS, JOE ELI, US

[72] CUTHBERT, ANDREW, US

[73] HALLIBURTON ENERGY SERVICES, INC.,

[85] 2017-02-10

[86] 2014-09-11 (PCT/US2014/055158)

[87] (WO2016/039755)

[11] **2,958,087**
[13] C

[51] **Int.Cl. G08B 21/18 (2006.01) H04W 4/02 (2018.01) A61B 90/90 (2016.01) H04W 4/30 (2018.01) A61J 7/04 (2006.01) A61M 5/20 (2006.01)**

[25] EN

[54] **MEDICAMENT INFORMATION SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE D'INFORMATIONS DE MEDICAMENT**

[72] OSTRANDER, KEVIN, US

[72] DENNY, JOHN W., US

[73] MYLAN INC.,

[85] 2017-02-13

[86] 2015-08-12 (PCT/US2015/044911)

[87] (WO2016/025634)

[30] US (14/460,169) 2014-08-14

[11] **2,958,212**
[13] C

[51] **Int.Cl. H01R 4/48 (2006.01) H01R 24/86 (2011.01) H01R 13/59 (2006.01)**

[25] EN

[54] **ELECTRICAL CONNECTOR HAVING POKE-IN WIRE CONTACTS**

[54] **CONNECTEUR ELECTRIQUE COMPORTANT DES CONTACTS A FILS TRAVERSANTS**

[72] MOSTOLLER, MATTHEW EDWARD, US

[72] DAILY, CHRISTOPHER GEORGE, US

[73] TE CONNECTIVITY CORPORATION,

[85] 2017-02-14

[86] 2015-08-19 (PCT/US2015/045785)

[87] (WO2016/028833)

[30] US (14/466,077) 2014-08-22

[11] **2,958,278**
[13] C

[51] **Int.Cl. F04D 33/00 (2006.01) H05K 7/20 (2006.01)**

[25] EN

[54] **AIRFLOW GENERATOR AND ARRAY OF AIRFLOW GENERATORS**

[54] **GENERATEUR D'ECOULEMENT D'AIR ET RESEAU DE GENERATEURS D'ECOULEMENT D'AIR**

[72] DUSSEAU, MICHAEL JAMES, US

[72] HOLEN, STEPHEN NILS, US

[73] GE AVIATION SYSTEMS LLC,

[85] 2017-02-16

[86] 2014-08-25 (PCT/US2014/052547)

[87] (WO2016/032429)

[11] **2,958,396**
[13] C

[51] **Int.Cl. F16B 13/00 (2006.01) F16B 13/06 (2006.01) F16B 17/00 (2006.01) F16B 21/07 (2006.01)**

[25] EN

[54] **MASONRY ANCHOR OF THE EXPANSION TYPE**

[54] **ANCRAGE DE MACONNERIE DE TYPE A DILATATION**

[72] MURDOCH, THOMAS, AU

[73] ILLINOIS TOOL WORKS INC.,

[86] (2958396)

[87] (2958396)

[22] 2017-02-17

[30] AU (2016900579) 2016-02-18

[30] AU (2017201013) 2017-02-15

[11] **2,958,680**
[13] C

[51] **Int.Cl. B22C 9/10 (2006.01)**

[25] EN

[54] **CASTING WITH GRADED CORE COMPONENTS**

[54] **COULAGE DE COMPOSANTES A NOYAU CALIBRE**

[72] BUNKER, RONALD SCOTT, US

[72] KONITZER, DOUGLAS GERARD, US

[73] GENERAL ELECTRIC COMPANY,

[86] (2958680)

[87] (2958680)

[22] 2017-02-23

[30] US (15/056,703) 2016-02-29

**Canadian Patents Issued
March 24, 2020**

[11] **2,958,720**
[13] C

[51] **Int.Cl. H04N 19/10 (2014.01) H04N 21/647 (2011.01) H04N 19/154 (2014.01) H04N 19/50 (2014.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR OBJECTIVE PERCEPTUAL VIDEO QUALITY ASSESSMENT**

[54] **PROCEDE ET SYSTEME D'EVALUATION DE QUALITE VIDEO PERCEPTUELLE OBJECTIVE**

[72] WANG, ZHOU, CA
[72] REHMAN, ABDUL, CA
[72] ZENG, KAI, CA
[73] SSIMWAVE INC.,
[85] 2017-02-17
[86] 2014-09-05 (PCT/CA2014/000676)
[87] (WO2015/031982)
[30] US (61/959,947) 2013-09-06

[11] **2,958,963**
[13] C

[51] **Int.Cl. A61B 18/20 (2006.01) A61B 18/22 (2006.01)**

[25] EN

[54] **SATELLITE-PLATFORMED ELECTROMAGNETIC ENERGY TREATMENT DEVICE**

[54] **DISPOSITIF DE TRAITEMENT A ENERGIE ELECTROMAGNETIQUE AVEC PLATEFORME A FONCTIONS MULTIPLES**

[72] BOUTOUSSOV, DMITRI, US
[72] ATLAS, MIKHAIL, US
[73] BIOLASE, INC.,
[86] (2958963)
[87] (2958963)
[22] 2009-10-15
[62] 2,740,734
[30] US (61/105,782) 2008-10-15

[11] **2,959,002**
[13] C

[51] **Int.Cl. B65D 51/16 (2006.01) A61L 2/26 (2006.01) B01D 35/02 (2006.01)**

[25] EN

[54] **SEAL FOR A FILTERED VENT IN A STERILIZATION CONTAINER**

[54] **JOINT DESTINE A UN EVENT A FILTRE DANS UN RECIPIENT DE STERILISATION**

[72] COHEN, SCOTT, US
[73] INNOVATIVE STERILIZATION TECHNOLOGIES, LLC,
[85] 2017-02-22
[86] 2015-08-20 (PCT/US2015/046115)
[87] (WO2016/032853)
[30] US (62/041,928) 2014-08-26

[11] **2,959,186**
[13] C

[51] **Int.Cl. A61K 9/52 (2006.01) A61K 31/137 (2006.01) A61P 11/02 (2006.01)**

[25] EN

[54] **PULSED RELEASE PHENYLEPHRINE DOSAGE FORMS**

[54] **FORMES POSOLOGIQUES A LIBERATION PULSEE DE PHENYLEPHRINE**

[72] DANSEREAU, RICHARD JOHN, US
[72] ANNESS, DAREN K., US
[72] RAMSEY, DAVID L., US
[72] BALAN, GUHAN, US
[73] THE PROCTER & GAMBLE COMPANY,
[85] 2017-02-23
[86] 2015-09-18 (PCT/US2015/050894)
[87] (WO2016/044704)
[30] US (62/052,594) 2014-09-19

[11] **2,959,455**
[13] C

[51] **Int.Cl. H04L 27/34 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR SEMI-ORTHOGONAL MULTIPLE ACCESS**

[54] **SYSTEME ET PROCEDE D'ACCES MULTIPLE SEMI-ORTHOGONAL**

[72] JIA, MING, CA
[72] MA, JIANGLEI, CA
[72] ZHU, PEIYING, CA
[72] HU, HAO, CA
[73] HUAWEI TECHNOLOGIES CO., LTD.,
[85] 2017-02-27
[86] 2015-08-25 (PCT/CN2015/087984)
[87] (WO2016/029835)
[30] US (62,044/061) 2014-08-29
[30] US (14,589/676) 2015-01-05

[11] **2,959,466**
[13] C

[51] **Int.Cl. A01N 59/16 (2006.01) B82Y 5/00 (2011.01) A01N 25/30 (2006.01) A01P 1/00 (2006.01) A61L 2/238 (2006.01) C02F 1/50 (2006.01) C02F 1/68 (2006.01)**

[25] EN

[54] **ANTISEPTIC FORMULATION AND ITS USE**

[54] **PREPARATION ANTISEPTIQUE ET PROCEDE DE PRODUCTION**

[72] DENISOV, ALBERT NIKOLAEVICH, RU
[72] KRUTYAKOV, YURIY ANDREEVICH, RU
[72] KUDRINSKIY, ALEKSEY ALEKSANDROVICH, RU
[72] ZHEREBIN, PAVEL MIKHAILOVICH, RU
[72] KLIMOV, ALEKSEY IGOREVICH, RU
[73] OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOSTYU "NANOBIOTEKH",
[85] 2017-02-17
[86] 2014-08-19 (PCT/RU2014/000615)
[87] (WO2016/028183)

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,959,884**
[13] C

[51] **Int.Cl. C10L 1/16 (2006.01) C10L 1/26 (2006.01)**
[25] EN
[54] **METHOD AND COMPOSITION FOR IMPROVING THE COMBUSTION OF AVIATION FUELS**
[54] **METHODE ET COMPOSITION DESTINEES A L'AMELIORATION DE LA COMBUSTION DES CARBURANTS D'AVIATION**
[72] FACTOR, STEPHEN A., US
[72] MCAFEE, ZACHARY JOHN, US
[72] CALDERONE, JOSEPH ANTHONY, III, US
[73] AFTON CHEMICAL CORPORATION,
[86] (2959884)
[87] (2959884)
[22] 2017-03-03
[30] US (15/083,964) 2016-03-29

[11] **2,959,890**
[13] C

[51] **Int.Cl. B23K 9/133 (2006.01) B23K 9/24 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS TO CONTROL ADVANCEMENT OF A WELDING ELECTRODE WIRE FOR ARC IGNITION**
[54] **METHODES ET APPAREIL DE CONTROLE DE L'AVANCEMENT D'UN FIL D'ELECTRODE DE SOUDAGE DESTINE A L'AMORCAGE**
[72] KNOENER, CRAIG STEVEN, US
[72] MACMULLEN, ZACH, US
[72] TYLER, CHARLES ACE, US
[72] JOHNSON, LUCAS CHARLES, US
[73] ILLINOIS TOOL WORKS INC.,
[86] (2959890)
[87] (2959890)
[22] 2017-03-03
[30] US (62/316,238) 2016-03-31
[30] US (15/419,519) 2017-01-30

[11] **2,959,925**
[13] C

[51] **Int.Cl. A61M 25/095 (2006.01) A61B 34/20 (2016.01) A61B 18/00 (2006.01) A61M 25/01 (2006.01)**
[25] EN
[54] **COMPOUND CURVE NAVIGATION CATHETER**
[54] **CATHETER DE NAVIGATION COMPOSE COURBE**
[72] KERN, MICHAEL J., US
[72] CALCUTT, MICHAEL E., US
[73] COVIDIEN LP,
[86] (2959925)
[87] (2959925)
[22] 2017-03-06
[30] US (15/069,214) 2016-03-14

[11] **2,960,025**
[13] C

[51] **Int.Cl. A61K 8/02 (2006.01) A61K 8/64 (2006.01) A61M 37/00 (2006.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01) H01F 7/02 (2006.01)**
[25] EN
[54] **SKIN CARE PRODUCT AND METHOD OF USE**
[54] **PRODUIT DE SOIN DE LA PEAU ET PROCEDE D'UTILISATION**
[72] OSBORNE, ROSEMARIE, US
[72] MCILDOWIE, MATTHEW JAMES, AU
[72] EDWARDS, JEFFREY DAVID, AU
[73] THE PROCTER & GAMBLE COMPANY,
[85] 2017-03-02
[86] 2015-09-17 (PCT/US2015/050625)
[87] (WO2016/044552)
[30] US (62/051,783) 2014-09-17

[11] **2,960,051**
[13] C

[51] **Int.Cl. H02B 1/14 (2006.01)**
[25] EN
[54] **RISK REDUCTION OF ELECTRICAL HAZARDS**
[54] **REDUCTION DU RISQUE DE DANGERS D'ELECTROCUTION**
[72] KUZNIAK, THEODORE ROBERT, CA
[72] ERWIED, JAMES BAXTER, CA
[72] KRAMER, MICHAEL HENDRIK, CA
[72] KUZNIAK, TODD ROBERT, CA
[72] MASSE, GARY JOSEPH, CA
[72] ZALESKI, JOSEPH EMIL, CA
[73] B.S.A.F.E. MANUFACTURING INCORPORATED,
[86] (2960051)
[87] (2960051)
[22] 2017-03-07
[30] US (62/389,755) 2016-03-09
[30] US (15/444,717) 2017-02-28

[11] **2,960,178**
[13] C

[51] **Int.Cl. G01R 33/56 (2006.01) G01R 33/58 (2006.01) G01R 33/38 (2006.01)**
[25] EN
[54] **NOISE SUPPRESSION METHODS AND APPARATUS**
[54] **PROCEDES ET APPAREIL DE SUPPRESSION DE BRUIT**
[72] REARICK, TODD, US
[72] CHARVAT, GREGORY L., US
[72] ROSEN, MATTHEW SCOT, US
[72] ROTHBERG, JONATHAN M., US
[73] HYPERFINE RESEARCH, INC.,
[85] 2017-03-03
[86] 2015-09-04 (PCT/US2015/048479)
[87] (WO2016/037028)
[30] US (62/046,814) 2014-09-05
[30] US (62/110,049) 2015-01-30
[30] US (62/111,320) 2015-02-03
[30] US (62/174,666) 2015-06-12

**Canadian Patents Issued
March 24, 2020**

[11] **2,960,381**
[13] C

[51] **Int.Cl. B05D 5/02 (2006.01) B05D 1/38 (2006.01) B05D 3/06 (2006.01)**
[25] EN
[54] **ROUGH TACTILE RADIATION CURABLE COATING**
[54] **REVETEMENT TACTILE RUGUEUX DURCISSABLE PAR RAYONNEMENT**
[72] LIN, ANSHYANG, US
[72] WITTIG, JAMES, US
[73] ACTEGA NORTH AMERICA, INC.,
[85] 2017-03-06
[86] 2015-09-08 (PCT/US2015/048947)
[87] (WO2016/037185)
[30] US (14/478,201) 2014-09-05

[11] **2,960,673**
[13] C

[51] **Int.Cl. A01D 34/69 (2006.01) A01D 69/02 (2006.01)**
[25] EN
[54] **MOWER DRIVEN BY ELECTRIC MOTORS**
[54] **TONDEUSE ENTRAINEE PAR DES MOTEURS ELECTRIQUES**
[72] TANABE, SHOTA, JP
[72] KURIYAGAWA, KOJI, JP
[72] ONODERA, SATOSHI, JP
[72] YOSHIMURA, HAJIME, JP
[73] HONDA MOTOR CO., LTD.,
[86] (2960673)
[87] (2960673)
[22] 2017-03-13
[30] JP (2016-050379) 2016-03-15

[11] **2,961,946**
[13] C

[51] **Int.Cl. G06F 21/30 (2013.01) G06F 21/44 (2013.01)**
[25] EN
[54] **REPLACEABLE ITEM AUTHENTICATION**
[54] **AUTHENTIFICATION D'ELEMENT REMPLACABLE**
[72] PANSHIN, STEPHEN D., US
[72] WARD, JEFFERSON P., US
[72] NESS, ERIK D., US
[73] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.,
[85] 2017-03-23
[86] 2016-10-27 (PCT/US2016/059118)
[87] (WO2018/080497)

[11] **2,962,059**
[13] C

[51] **Int.Cl. C08L 23/06 (2006.01) B32B 15/085 (2006.01) C08L 23/22 (2006.01) C08L 51/06 (2006.01) C09J 123/06 (2006.01)**
[25] EN
[54] **POLYOLEFIN-BASED COMPOSITIONS, ADHESIVES, AND RELATED MULTI-LAYERED STRUCTURES PREPARED THEREFROM**
[54] **COMPOSITIONS A BASE DE POLYOLEFINE, ADHESIFS ET STRUCTURES MULTI-COUCHES APPARENTEES PREPAREES A PARTIR DE CELLES-CI**
[72] BOTROS, MAGED G., US
[73] EQUICSTAR CHEMICALS, LP,
[85] 2017-03-21
[86] 2015-09-22 (PCT/US2015/051463)
[87] (WO2016/049035)
[30] US (62/053,947) 2014-09-23

[11] **2,962,077**
[13] C

[51] **Int.Cl. G09B 9/00 (2006.01) B64F 5/40 (2017.01) B60S 5/00 (2006.01)**
[25] EN
[54] **A MODELING TOOL, METHOD AND COMPUTER PROGRAM PRODUCT FOR DYNAMICALLY GENERATING A MAINTENANCE SIMULATION OF A VEHICLE**
[54] **OUTIL DE MODELISATION, PROCEDE ET PRODUIT PROGRAMME D'ORDINATEUR POUR GENERER DE MANIERE DYNAMIQUE UNE SIMULATION DE MAINTENANCE D'UN VEHICULE**
[72] GIGUERE, GHISLAIN, CA
[72] VO, THAI HOA, CA
[72] NEJELSKI, MIKHAIL, CA
[72] CAYER, CLAUDE, CA
[72] HARVEY, ERIC, CA
[73] CAE INC.,
[85] 2017-03-22
[86] 2014-10-30 (PCT/CA2014/000784)
[87] (WO2016/044913)
[30] US (14/496,995) 2014-09-25

[11] **2,962,537**
[13] C

[51] **Int.Cl. F25B 47/02 (2006.01) F24F 11/41 (2018.01) F24F 12/00 (2006.01) F25B 30/00 (2006.01)**
[25] EN
[54] **HEAT PUMP DEFROSTING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE DEGIVRAGE DE POMPE A CHALEUR**
[72] WINTEMUTE, DAVID MARTIN, CA
[72] BELIVEAU, MATHIEU PHILIPPE, CA
[73] NORTEK AIR SOLUTIONS CANADA, INC.,
[86] (2962537)
[87] (2962537)
[22] 2014-02-25
[62] 2,843,987
[30] US (61/778,681) 2013-03-13
[30] US (14/186,420) 2014-02-21

[11] **2,962,583**
[13] C

[51] **Int.Cl. B23B 37/00 (2006.01) B23B 47/04 (2006.01) B23Q 1/00 (2006.01)**
[25] EN
[54] **CLOSED-LOOP METALWORKING SYSTEM**
[54] **SYSTEME DE TRAVAIL DES METAUX EN BOUCLE FERMEE**
[72] SHORT, MATTHEW A., US
[73] EDISON INDUSTRIAL INNOVATION, LLC,
[85] 2017-03-24
[86] 2015-09-11 (PCT/US2015/049676)
[87] (WO2017/039709)
[30] US (14/846,064) 2015-09-04

[11] **2,964,209**
[13] C

[51] **Int.Cl. H01S 5/022 (2006.01)**
[25] EN
[54] **LIGHT-SOURCE DEVICE**
[54] **DISPOSITIF DE SOURCE DE LUMIERE**
[72] NAKANO, SEIJI, JP
[73] MITSUBISHI ELECTRIC CORPORATION,
[85] 2017-04-10
[86] 2016-01-26 (PCT/JP2016/052094)
[87] (WO2016/121725)
[30] JP (2015-015176) 2015-01-29

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,964,475**
[13] C

[51] **Int.Cl. A61K 47/59 (2017.01) A61K 9/00 (2006.01)**

[25] EN

[54] **LACTATE-BASED POLYMER CONTROLLED RELEASE DRUG DELIVERY COMPOSITIONS WITH IMPROVED STABILITY**

[54] **COMPOSITIONS DE DISTRIBUTION DE MEDICAMENT A LIBERATION CONTROLEE RENFERMANT UN POLYMERE A BASE DE LACTATE OFFRANT UNE STABILITE AMELIOREE**

[72] LI, YUHUA, US

[72] GUARINO, ANDREW J., US

[73] FORESEE PHARMACEUTICALS CO., LTD.,

[85] 2017-04-12

[86] 2015-10-15 (PCT/US2015/055634)

[87] (WO2016/061296)

[30] US (62/064,008) 2014-10-15

[11] **2,965,441**
[13] C

[51] **Int.Cl. C22B 3/04 (2006.01) C22B 3/24 (2006.01) C22B 11/00 (2006.01) C22B 15/00 (2006.01) C22B 19/00 (2006.01) C22B 23/00 (2006.01) C22B 34/00 (2006.01) C22B 43/00 (2006.01) C22B 60/02 (2006.01)**

[25] EN

[54] **PROCESS FOR METAL EXTRACTION WITH SORPTION LEACHING IN WET SOLIDS**

[54] **PROCEDE D'EXTRACTION DE METAL AVEC LIXIVIATION ET SORPTION DANS DES MATIERES SOLIDES HUMIDES**

[72] SPIRIDONOV, PAVEL, AU

[72] HEIN, HANS CHRISTIAN, CL

[72] HEIN HOERNIG, RICARDO OLIVER, CL

[73] INNOVECO AUSTRALIA PTY. LTD.,

[73] ORYXEIO INGENIERIA LIMITADA,

[85] 2017-04-21

[86] 2015-10-16 (PCT/IB2015/057974)

[87] (WO2016/063187)

[30] AU (2014904227) 2014-10-22

[11] **2,966,318**
[13] C

[51] **Int.Cl. H04W 16/04 (2009.01) H04W 16/32 (2009.01)**

[25] EN

[54] **MOBILE COMMUNICATION SYSTEM AND RADIO RESOURCE CONTROL METHOD**

[54] **SYSTEME DE COMMUNICATION MOBILE ET PROCEDE DE COMMANDE DE RESSOURCES RADIO**

[72] FUJII, TERUYA, JP

[73] SOFTBANK CORP.,

[85] 2017-04-28

[86] 2014-11-07 (PCT/JP2014/079612)

[87] (WO2016/072021)

[11] **2,966,622**
[13] C

[51] **Int.Cl. B65D 5/38 (2006.01) B65D 5/44 (2006.01) B65D 5/49 (2006.01) B65D 77/04 (2006.01)**

[25] EN

[54] **A PACKAGE ASSEMBLY, A BLANK AND A METHOD OF MANUFACTURING A PACKAGE ASSEMBLY**

[54] **ENSEMBLE EMBALLAGE, DECOUPE ET PROCEDE DE FABRICATION D'UN ENSEMBLE EMBALLAGE**

[72] BLETRIX, LAETITIA, DE

[72] KOWALEWSKI, ALAIN, DE

[73] KRAFT FOODS SCHWEIZ HOLDING GMBH,

[85] 2017-05-02

[86] 2015-11-25 (PCT/IB2015/002310)

[87] (WO2016/087931)

[30] GB (1421345.8) 2014-12-02

[11] **2,966,784**
[13] C

[51] **Int.Cl. E21B 34/06 (2006.01) E21B 41/00 (2006.01)**

[25] EN

[54] **DOWNHOLE SOLENOID ACTUATOR DRIVE SYSTEM**

[54] **SYSTEME DE PILOTAGE D'ACTIONNEUR A SOLENOIDES DE FOND DE TROU**

[72] CHU, JIAN YING, US

[73] HALLIBURTON ENERGY SERVICES, INC.,

[85] 2017-05-03

[86] 2014-12-29 (PCT/US2014/072577)

[87] (WO2016/108825)

[11] **2,966,860**
[13] C

[51] **Int.Cl. E21B 47/12 (2012.01) E21B 47/18 (2012.01)**

[25] EN

[54] **MUD PULSE TELEMETRY USING GRAY CODING**

[54] **TELEMETRIE PAR IMPULSIONS DANS LA BOUE A L'AIDE D'UN CODAGE GRAY**

[72] BARAK, EHUD, US

[73] HALLIBURTON ENERGY SERVICES, INC.,

[85] 2017-05-04

[86] 2014-12-29 (PCT/US2014/072539)

[87] (WO2016/108820)

[11] **2,966,928**
[13] C

[51] **Int.Cl. G10L 15/10 (2006.01) G10L 17/02 (2013.01) G09B 19/04 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR EXPRESSIVE LANGUAGE ASSESSMENT**

[54] **SYSTEME ET PROCEDE D'EVALUATION D'UN LANGAGE EXPRESSIF**

[72] PAUL, TERRANCE, US

[72] XU, DONGXIN, US

[72] RICHARDS, JEFFREY A., US

[73] LENA FOUNDATION,

[86] (2966928)

[87] (2966928)

[22] 2008-04-25

[62] 2,712,447

[30] US (12/018,647) 2008-01-23

[11] **2,967,017**
[13] C

[51] **Int.Cl. A61M 37/00 (2006.01)**

[25] EN

[54] **MICRONEEDLE ARRAYS FOR CANCER THERAPY APPLICATIONS**

[54] **RESEAUX DE MICROAIGUILLES POUR DES APPLICATIONS DE TRAITEMENT DE CANCER**

[72] FALO, LOUIS D., JR., US

[72] ERDOS, GEZA, US

[72] OZDOGANLAR, O. BURAK, US

[73] CARNEGIE MELLON UNIVERSITY, UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATN,

[85] 2017-05-05

[86] 2015-11-06 (PCT/US2015/059556)

[87] (WO2016/073905)

[30] US (62/076,385) 2014-11-06

**Canadian Patents Issued
March 24, 2020**

[11] **2,967,078**
[13] C

[51] **Int.Cl. B01L 3/00 (2006.01) B65D 47/10 (2006.01) C40B 60/00 (2006.01) C40B 99/00 (2006.01)**

[25] EN

[54] **CONTAINER FOR TAKING UP AND DISPENSING A SUBSTANCE**

[54] **CONTENANT SERVANT A PRENDRE ET DISTRIBUER UNE SUBSTANCE**

[72] GUELLER, ROLF, CH
[72] SCHNEIDER, MICHAEL, CH
[72] THALER, THOMAS, CH
[72] SCHINDER, MARKUS, CH
[73] CHEMSPEED TECHNOLOGIES AG,
[85] 2017-05-10
[86] 2015-11-09 (PCT/CH2015/000166)
[87] (WO2016/074106)
[30] CH (1738/14) 2014-11-10

[11] **2,967,539**
[13] C

[51] **Int.Cl. B28B 7/10 (2006.01) F03D 13/20 (2016.01) B28B 7/22 (2006.01) B28B 21/82 (2006.01) E04H 12/12 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING A TOWER SEGMENT OF A CONCRETE TOWER OF A WIND ENERGY INSTALLATION**

[54] **METHODE DE PRODUCTION D'UN SEGMENT DE TOUR D'UNE TOUR EN BETON D'UNE INSTALLATION D'ENERGIE EOLIENNE**

[72] KAPITZA, JAN, DE
[72] ALBERS, KARSTEN, DE
[72] HORN, GUNTHER, DE
[73] WOBEN PROPERTIES GMBH,
[86] (2967539)
[87] (2967539)
[22] 2012-06-14
[62] 2,837,780
[30] DE (102011078016.5) 2011-06-22

[11] **2,967,783**
[13] C

[51] **Int.Cl. A63B 59/70 (2015.01) A63B 60/06 (2015.01)**

[25] EN

[54] **HOCKEY STICK WITH SPINE-REINFORCED PADDLE**

[54] **BATON DE HOCKEY DOTE D'UNE PALETTE A EPINE RENFORCEE**

[72] PLANTE, DOMINIQUE, CA
[72] CHAMBERT, MARTIN, CA
[73] BAUER HOCKEY LTD.,
[86] (2967783)
[87] (2967783)
[22] 2017-05-17

[11] **2,967,813**
[13] C

[51] **Int.Cl. E21B 21/08 (2006.01) E21B 47/10 (2012.01) G01F 1/74 (2006.01)**

[25] EN

[54] **CONTROLLED PRESSURE DRILLING SYSTEM WITH FLOW MEASUREMENT AND WELL CONTROL**

[54] **SYSTEME DE FORAGE A PRESSION COMMANDEE A MESURE D'ECOULEMENT ET COMMANDE DE Puits**

[72] DILLARD, WALTER S., US
[72] NORTHAM, PAUL R., US
[72] VIERAITIS, DAVID J., US
[72] GEORGE, GERALD G., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC.,
[85] 2017-05-12
[86] 2015-11-17 (PCT/US2015/061071)
[87] (WO2016/081448)
[30] US (62/080,847) 2014-11-17

[11] **2,967,914**
[13] C

[51] **Int.Cl. B21D 5/01 (2006.01)**

[25] EN

[54] **METHOD OF PRODUCING STEEL PIPE AND PRESS DIE USED FOR SAME**

[54] **PROCEDE DE FABRICATION DE TUYAU EN ACIER ET MOULE DE PRESSE UTILISE DANS LEDIT PROCEDE**

[72] HORIE, MASAYUKI, JP
[72] TAMURA, YUKUYA, JP
[72] MIWA, TOSHIHIRO, JP
[72] TATENO, JUNICHI, JP
[73] JFE STEEL CORPORATION,
[85] 2017-05-15
[86] 2015-11-12 (PCT/JP2015/081818)
[87] (WO2016/084607)
[30] JP (2014-237608) 2014-11-25

[11] **2,968,265**
[13] C

[51] **Int.Cl. B01F 17/44 (2006.01) C09K 8/035 (2006.01) C10M 173/00 (2006.01)**

[25] EN

[54] **HYDROPHILIC ETHER CARBOXYLIC ACIDS AS LUBRICANT FOR SALT BASED DRILLING SYSTEMS**

[54] **ACIDES CARBOXYLIQUES D'ETHER HYDROPHILES EN TANT QUE LUBRIFIANT POUR SYSTEMES DE FORAGE A BASE DE SEL**

[72] MAKER, DIANA, DE
[72] MULLER, HEINZ, DE
[73] EMERY OLEOCHEMICALS GMBH,
[85] 2017-05-18
[86] 2015-01-07 (PCT/EP2015/050165)
[87] (WO2016/110323)

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,968,446**
[13] C

[51] **Int.Cl. A61K 33/26 (2006.01) A61K 9/08 (2006.01) A61K 9/48 (2006.01) A61P 3/10 (2006.01)**

[25] EN

[54] **USE OF COMPOSITION CONTAINING IRON (II) AMINO ACID CHELATE IN PREPARATION OF DRUG FOR AMELIORATING DIABETES**

[54] **UTILISATION D'UNE COMPOSITION RENFERMANT UN CHELATE FERREUX D'ACIDES AMINES DANS LA PREPARATION D'UN MEDICAMENT POUR AMELIORER LE DIABETE**

[72] LIN, TSUN-YUAN, CN
[72] JAN, HSUN-JIN, CN
[72] FU, CHAI-HUI, CN
[72] CHEN, TSANG-TSE, CN
[72] CHEN, MU-KUEI, CN
[72] LEE, HORNG-MO, CN
[73] PROFEAT BIOTECHNOLOGY CO., LTD.,
[85] 2017-05-19
[86] 2014-11-25 (PCT/CN2014/092146)
[87] (WO2016/082098)

[11] **2,968,601**
[13] C

[51] **Int.Cl. C01B 23/00 (2006.01) B01D 53/00 (2006.01)**

[25] EN

[54] **COMBINED MEMBRANE AND PRESSURE SWING ADSORPTION METHOD FOR RECOVERY OF HELIUM**

[54] **METHODE COMBINEE D'ADSORPTION MEMBRANAIRE ET MODULEE EN PRESSION DESTINEE A LA RECUPERATION DE L'HELIUM**

[72] VOSS, CHRISTIAN, DE
[72] TOTA, AKOS, DE
[72] BAUER, MARTIN, DE
[72] JENNEWEIN, FRANK, DE
[73] LINDE AKTIENGESELLSCHAFT,
[85] 2017-05-23
[86] 2015-12-07 (PCT/EP2015/002464)
[87] (WO2016/096104)
[30] DE (10 2014 018 883.3) 2014-12-17
[30] EP (15000862.1) 2015-03-24

[11] **2,968,744**
[13] C

[51] **Int.Cl. B65D 45/04 (2006.01) B65D 45/10 (2006.01) F16B 2/06 (2006.01) F16B 5/06 (2006.01) F16J 13/06 (2006.01) H02B 13/025 (2006.01)**

[25] EN

[54] **ENCLOSURE CLAMPS AND CLAMP SYSTEMS**

[54] **PINCES POUR CAISSONS ET SYSTEMES DE PINCES**

[72] MANAHAN, JOSEPH MICHAEL, US
[73] EATON INTELLIGENT POWER LIMITED,
[86] (2968744)
[87] (2968744)
[22] 2010-01-05
[62] 2,786,356

[11] **2,969,219**
[13] C

[51] **Int.Cl. A43B 7/04 (2006.01) A43B 7/00 (2006.01) A43B 7/02 (2006.01)**

[25] EN

[54] **HEATED INSOLE WITH REMOVABLE HEATING ASSEMBLY**

[54] **PREMIERE DE PROPLETE CHAUFFEE PAR UN ENSEMBLE CHAUFFANT AMOVIBLE**

[72] ZSOLCSAK, VERONICA M., US
[72] EIZEN, MICHA, US
[72] WHITEHEAD, IAN NICHOLSON, US
[72] BAYES, THOMAS JOHN WILLIAM, GB
[72] PUCCIO, DAN, US
[73] SCHAWBEL TECHNOLOGIES LLC,
[85] 2017-05-29
[86] 2015-11-24 (PCT/US2015/062458)
[87] (WO2016/094085)
[30] US (14/568,516) 2014-12-12

[11] **2,969,339**
[13] C

[51] **Int.Cl. F16K 31/02 (2006.01) E03C 1/04 (2006.01) F16K 27/00 (2006.01)**

[25] EN

[54] **ELECTRONIC FAUCET**

[54] **ROBINET ELECTRONIQUE**

[72] BRADDOCK, CHARLES KERWIN, US
[72] DEBAUGH, THOMAS STUART, US
[73] MAAX BATH INC.,
[86] (2969339)
[87] (2969339)
[22] 2017-06-01
[30] US (62/345,508) 2016-06-03

[11] **2,969,457**
[13] C

[51] **Int.Cl. C11D 3/386 (2006.01) C11D 1/29 (2006.01) C11D 3/37 (2006.01) C11D 17/04 (2006.01)**

[25] EN

[54] **LOW PH DISHWASHING DETERGENT COMPOSITION**

[54] **COMPOSITION DE DETERGENT A LAVE-VAISSELLE A PH FAIBLE**

[72] SOUTER, PHILIP FRANK, GB
[72] BROOKER, ALAN THOMAS, GB
[72] URE, COLIN, GB
[72] WILKINSON, CRAIG ADAM, GB
[72] BEWICK, LINDSAY SUZANNE, GB
[72] MILLWARD, KELLY ANN, GB
[73] THE PROCTER & GAMBLE COMPANY,
[85] 2017-05-31
[86] 2015-12-01 (PCT/US2015/063116)
[87] (WO2016/099858)
[30] EP (14198695.0) 2014-12-17

[11] **2,969,458**
[13] C

[51] **Int.Cl. C11D 3/386 (2006.01) C11D 17/04 (2006.01)**

[25] EN

[54] **LOW PH AUTOMATIC DISHWASHING DETERGENT COMPOSITION**

[54] **COMPOSITION DE DETERGENT POUR LAVE-VAISSELLE AUTOMATIQUE A FAIBLE PH**

[72] SOUTER, PHILIP FRANK, GB
[72] BROOKER, ALAN THOMAS, GB
[72] URE, COLIN, GB
[72] WILKINSON, CRAIG ADAM, GB
[73] THE PROCTER & GAMBLE COMPANY,
[85] 2017-05-31
[86] 2015-12-01 (PCT/US2015/063117)
[87] (WO2016/099859)
[30] EP (14198697.6) 2014-12-17

**Canadian Patents Issued
March 24, 2020**

[11] **2,969,465**
[13] C

[51] **Int.Cl. C11D 3/386 (2006.01) C11D 17/04 (2006.01)**
[25] EN
[54] **LOW PH AUTOMATIC DISHWASHING DETERGENT COMPOSITION**
[54] **COMPOSITION DE DETERGENT POUR LAVE-VAISSELLE AUTOMATIQUE A FAIBLE PH**
[72] BROOKER, ALAN THOMAS, GB
[72] SOUTER, PHILIP FRANK, GB
[72] URE, COLIN, GB
[72] WILKINSON, CRAIG ADAM, GB
[72] BEWICK, LINDSAY SUZANNE, GB
[73] THE PROCTER & GAMBLE COMPANY,
[85] 2017-05-31
[86] 2015-12-15 (PCT/US2015/065790)
[87] (WO2016/100323)
[30] EP (14198693.5) 2014-12-17

[11] **2,969,700**
[13] C

[51] **Int.Cl. A62B 18/02 (2006.01)**
[25] EN
[54] **MEDICAL FACE MASK WITH CLEAR PORTION**
[54] **MASQUE FACIAL MEDICAL COMPORTANT UNE PORTION TRANSPARENTE**
[72] REESE, REX D., US
[72] REESE, GEORGE D., US
[72] BOWEN, MICHAEL L., US
[73] PRESTIGE AMERITECH, LTD.,
[86] (2969700)
[87] (2969700)
[22] 2017-06-06
[30] US (62/359,449) 2016-07-07

[11] **2,970,824**
[13] C

[51] **Int.Cl. H04L 12/24 (2006.01) H04W 4/10 (2009.01) G06F 9/455 (2018.01) H04L 29/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ELASTIC SCALING USING A CONTAINER-BASED PLATFORM**
[54] **SYSTEME ET PROCEDE DE MISE A L'ECHELLE ELASTIQUE A L'AIDE D'UNE PLATEFORME A BASE DE CONTENEUR**
[72] PATEL, KRISHNAKANT M., US
[72] KANDULA, RAMU, US
[72] VEMPATI, BRAHMANANDA R., US
[72] NEGALAGULI, HARISHA MAHABALESHWARA, US
[72] CHANDANA, PRATAP, US
[73] KODIAK NETWORKS, INC.,
[85] 2017-06-13
[86] 2016-01-14 (PCT/US2016/013443)
[87] (WO2016/115371)
[30] US (62/103,404) 2015-01-14
[30] US (62/111,414) 2015-02-03
[30] US (14/994,757) 2016-01-13

[11] **2,971,026**
[13] C

[51] **Int.Cl. B05B 12/20 (2018.01) F01D 5/28 (2006.01) F01D 25/00 (2006.01) F02C 7/00 (2006.01) F02C 7/30 (2006.01)**
[25] EN
[54] **VANE COATING APPARATUS**
[54] **APPAREIL DE REVETEMENT D'AUBE**
[72] MIKI, HIDEYUKI, JP
[73] IHI CORPORATION,
[85] 2017-06-14
[86] 2015-10-16 (PCT/JP2015/079349)
[87] (WO2016/147461)
[30] JP (2015-050305) 2015-03-13

[11] **2,971,061**
[13] C

[51] **Int.Cl. G05B 19/042 (2006.01) G06F 9/44 (2018.01)**
[25] EN
[54] **INTEGRATED LIGHTING AND BUILDING MANAGEMENT CONTROL GATEWAY**
[54] **PASSERELLE DE CONTROLE DE GESTION INTEGREE DE BATIMENT ET ECLAIRAGE**
[72] WESTRICK, RICHARD L., JR., US
[72] HERWIG, NATHANIEL CHRISTOPHER, US
[73] ABL IP HOLDING LLC,
[86] (2971061)
[87] (2971061)
[22] 2017-06-19
[30] US (62/352,735) 2016-06-21
[30] US (15/220,758) 2016-07-27

[11] **2,971,629**
[13] C

[51] **Int.Cl. A23L 7/00 (2016.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PRODUCING GLUTEN-FREE OATS**
[54] **PROCEDE ET SYSTEME DE PRODUCTION D'AVOINE SANS GLUTEN**
[72] ZIETLOW, PHILIP K., US
[72] WINDERL, DANIEL J., US
[72] ARLINGHAUS, MARK E., US
[73] GENERAL MILLS, INC.,
[85] 2017-06-19
[86] 2016-01-20 (PCT/US2016/014083)
[87] (WO2016/118597)
[30] US (14/600,772) 2015-01-20

Brevets canadiens délivrés
24 mars 2020

[11] **2,971,794**
[13] C

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/30 (2006.01)**

[25] EN

[54] **B7 FAMILY MEMBER ZB7H6 AND RELATED COMPOSITIONS AND METHODS**

[54] **ZB7H6 MEMBRE DE LA FAMILLE B7 ET COMPOSITIONS ET PROCEDES APPARENTES**

[72] BRANDT, CAMERON S., US

[72] KENNEDY, JACOB J., US

[72] XU, WENFENG, US

[72] YI, EUGENE C., US

[72] FOX, BRIAN A., US

[72] GAO, ZEREN, US

[72] SIVAKUMAR, PALLAVUR V., US

[73] ZYMOGENETICS, INC.,

[86] (2971794)

[87] (2971794)

[22] 2008-10-06

[62] 2,697,992

[30] US (60/977,584) 2007-10-04

[30] US (61/026,802) 2008-02-07

[30] US (61/095,875) 2008-09-10

[11] **2,971,911**
[13] C

[51] **Int.Cl. H04N 19/52 (2014.01) H04N 19/126 (2014.01) H04N 19/137 (2014.01)**

[25] EN

[54] **ENCODING DEVICE, DECODING DEVICE, ENCODING METHOD, AND DECODING METHOD**

[54] **PROCEDE DE CODAGE, PROCEDE DE DECODAGE, DISPOSITIF DE CODAGE ET DISPOSITIF DE DECODAGE**

[72] TANIZAWA, AKIYUKI, JP

[72] CHUJOH, TAKESHI, JP

[73] KABUSHIKI KAISHA TOSHIBA,

[86] (2971911)

[87] (2971911)

[22] 2012-06-27

[62] 2,847,304

[11] **2,972,077**
[13] C

[51] **Int.Cl. B65D 71/70 (2006.01) B65D 21/02 (2006.01)**

[25] EN

[54] **NESTING CONTAINER CARRIER**

[54] **PORTE-CONTENEUR EMBOITE**

[72] BORG, ZAKARY JAMES, US

[72] MELLOR, RONALD LEE, JR., US

[73] OREGON PRECISION INDUSTRIES, INC. DBA PAKTECH,

[86] (2972077)

[87] (2972077)

[22] 2017-06-29

[30] US (15/449,826) 2017-03-03

[11] **2,973,660**
[13] C

[51] **Int.Cl. H01R 4/66 (2006.01) H01R 4/24 (2018.01) H04Q 1/02 (2006.01)**

[25] EN

[54] **ADAPTER FOR MOUNTING PROTECTOR MODULE TO GROUND**

[54] **ADAPTATEUR POUR MONTER UN MODULE DE PROTECTION A LA TERRE**

[72] DURAN, CHRISTIAN SHANE, US

[72] KEENUM, JOHN AUSTIN, US

[72] TENHOLDER, RODGER ALAN, US

[73] CORNING OPTICAL COMMUNICATIONS LLC,

[85] 2017-07-11

[86] 2016-01-15 (PCT/US2016/013600)

[87] (WO2016/115462)

[30] US (14/597,876) 2015-01-15

[11] **2,973,922**
[13] C

[51] **Int.Cl. B65D 25/00 (2006.01)**

[25] EN

[54] **DISPLAY CONTAINER**

[54] **CONTENANT PRESENTOIR**

[72] HUIZINGH, JOHN, NL

[72] KELLERER, RICHARD, DE

[73] IFCO SYSTEMS GMBH,

[85] 2017-07-14

[86] 2016-01-22 (PCT/EP2016/051277)

[87] (WO2016/116581)

[30] DE (10 2015 100 886.6) 2015-01-22

[11] **2,974,552**
[13] C

[51] **Int.Cl. B65D 55/02 (2006.01)**

[25] EN

[54] **PLUG, SYSTEM AND METHOD FOR DETECTING TAMPERING OF CONTAINER**

[54] **BOUCHON, SYSTEME ET METHODE DE DETECTION DE VIOLATION D'UN CONTENANT**

[72] SYRJALAHTI, MIKKO, FI

[72] PALOMAKI, PIRKKA, FI

[72] KEKALAINEN, FREDRIK, FI

[73] ENEVO OY,

[86] (2974552)

[87] (2974552)

[22] 2017-07-26

[30] US (15/236,856) 2016-08-15

**Canadian Patents Issued
March 24, 2020**

[11] **2,974,569**
[13] C

[51] **Int.Cl. A61F 2/42 (2006.01) A61F 2/02 (2006.01) A61F 2/28 (2006.01)**

[25] EN

[54] **REVISION TOTAL ANKLE IMPLANTS**

[54] **IMPLANTS DE REINTERVENTION DE REMPLACEMENT TOTAL DE CHEVILLE**

[72] DHILLON, BRAHAM K., US

[72] SANDER, ELIZABETH J., US

[72] FREE, DANIEL E., US

[72] HOWLES, ROBERT M., US

[72] LUNA, RAMON, US

[73] WRIGHT MEDICAL TECHNOLOGY, INC.,

[86] (2974569)

[87] (2974569)

[22] 2017-07-26

[30] US (15/251,830) 2016-08-30

[11] **2,974,618**
[13] C

[51] **Int.Cl. C22C 38/60 (2006.01) C21D 8/12 (2006.01) C21D 10/00 (2006.01) C22C 38/02 (2006.01) H01F 1/16 (2006.01)**

[25] EN

[54] **GRAIN-ORIENTED ELECTRICAL STEEL SHEET AND METHOD FOR PRODUCING SAME**

[54] **TOLE D'ACIER MAGNETIQUE A GRAIN ORIENTE ET METHODE DE PRODUCTION ASSOCIEE**

[72] HAYAKAWA, YASUYUKI, JP

[72] SENDA, KUNIHIRO, JP

[72] TERASHIMA, TAKASHI, JP

[73] JFE STEEL CORPORATION,

[85] 2017-07-21

[86] 2015-02-13 (PCT/JP2015/000685)

[87] (WO2016/129015)

[11] **2,974,624**
[13] C

[51] **Int.Cl. H04L 1/06 (2006.01) H04W 24/10 (2009.01)**

[25] EN

[54] **PRECODING INFORMATION OBTAINING METHOD, AND DEVICE**

[54] **METHODE D'OBTENTION D'INFORMATION DE PRECODAGE ET DISPOSITIF**

[72] WANG, LEI, CN

[72] KURRAS, MARTIN, DE

[72] THIELE, LARS, DE

[72] HAUSTEIN, THOMAS, DE

[72] CHEN, DAGENG, CN

[72] WU, YE, CN

[72] QIAO, DELI, CN

[73] HUAWEI TECHNOLOGIES CO., LTD.,

[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.,

[85] 2017-07-20

[86] 2015-01-20 (PCT/CN2015/071108)

[87] (WO2016/115679)

[11] **2,974,924**
[13] C

[51] **Int.Cl. A61B 18/00 (2006.01) A61B 17/29 (2006.01) A61B 17/32 (2006.01)**

[25] EN

[54] **ULTRASONIC SURGICAL INSTRUMENT**

[54] **INSTRUMENT CHIRURGICAL ULTRASONIQUE**

[72] HOUSER, KEVIN L., US

[72] FALLER, CRAIG N., US

[72] ISAACS, KAREN M., US

[72] BARTON, SCOTT N., US

[72] NEUENFELDT, STEVEN K., US

[72] NEUROHR, MARK A., US

[73] ETHICON ENDO-SURGERY, INC.,

[86] (2974924)

[87] (2974924)

[22] 2005-10-07

[62] 2,582,520

[30] US (60/617,427) 2004-10-08

[11] **2,975,165**
[13] C

[51] **Int.Cl. G08B 7/06 (2006.01) G08B 17/00 (2006.01)**

[25] EN

[54] **NOTIFICATION DEVICE**

[54] **DISPOSITIF DE NOTIFICATION**

[72] HAN, GUO LIANG, CN

[72] LIN, SHAO CHEN, CN

[72] REN, LI, CN

[73] SIEMENS SCHWEIZ AG,

[85] 2017-07-27

[86] 2016-01-15 (PCT/EP2016/050748)

[87] (WO2016/120096)

[30] CN (201520066138.1) 2015-01-29

[11] **2,975,417**
[13] C

[51] **Int.Cl. B62D 63/04 (2006.01) G01N 29/265 (2006.01)**

[25] EN

[54] **DRIVING DEVICE OF ALL-DIRECTIONAL AUTOMATIC WELD SEAM FLAW DETECTION INSTRUMENT AND APPLICATION THEREOF**

[54] **DISPOSITIF D'ENTRAINEMENT D'INSTRUMENT DE DETECTION DE PAILLE DE CORDON DE SOUDURE AUTOMATIQUE OMNIDIRECTIONNEL ET SON APPLICATION**

[72] ZENG, QINGLIANG, CN

[72] YANG, YANG, CN

[72] WAN, LIRONG, CN

[72] AN, NING, CN

[72] MENG, ZHAOSHENG, CN

[72] WANG, GANG, CN

[72] LU, ZHENGUO, CN

[72] LI, WEIMIN, CN

[72] KONG, SHUAI, CN

[72] WANG, XIAOHUAN, CN

[72] WANG, RENHUI, CN

[73] SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY,

[85] 2017-07-31

[86] 2016-06-03 (PCT/CN2016/084709)

[87] (WO2017/096770)

[30] CN (201510931092.X) 2015-12-11

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,975,745**
[13] C

[51] **Int.Cl. A01G 23/04 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CUTTING A ROOT BALL**
[54] **APPAREIL ET PROCEDE POUR COUPER UNE MOTTE RACINAIRE**
[72] WUTHRICH, TIMOTHY, CA
[72] POFFENROTH, LESLIE, CA
[73] 356864 ALBERTA LTD.,
[86] (2975745)
[87] (2975745)
[22] 2017-08-10

[11] **2,975,925**
[13] C

[51] **Int.Cl. B65D 1/02 (2006.01) B29C 49/70 (2006.01)**
[25] EN
[54] **PRESSURE COMPENSATING BASES FOR POLYMERIC CONTAINERS**
[54] **BASES DE COMPENSATION DE PRESSION POUR RECIPIENTS POLYMERES**
[72] SCHNEIDER, MARK D., US
[72] VOGEL, MATT, US
[72] EVINS, SAMUEL E., US
[72] SILVERS, KERRY W., US
[73] GRAHAM PACKAGING PET TECHNOLOGIES INC.,
[86] (2975925)
[87] (2975925)
[22] 2011-02-17
[62] 2,789,210
[30] US (12/709,302) 2010-02-19

[11] **2,976,657**
[13] C

[51] **Int.Cl. A01G 31/02 (2006.01) A01G 17/06 (2006.01) A01G 31/06 (2006.01)**
[25] EN
[54] **SOILLESS PLANT GROWING SYSTEMS**
[54] **SYSTEMES DE CULTURE HYDROPONIQUE DE PLANTES**
[72] THOMA, ZACHARY BRIAN, US
[73] FOGWORKS LLC,
[85] 2017-08-14
[86] 2016-02-12 (PCT/US2016/017706)
[87] (WO2016/133804)
[30] US (62/117,484) 2015-02-18

[11] **2,976,733**
[13] C

[51] **Int.Cl. A63B 22/16 (2006.01)**
[25] EN
[54] **EXERCISING DEVICE AND OPERATING METHOD THEREOF**
[54] **EQUIPEMENT DE SPORT BASCULANT ET SON PROCEDE DE REGLAGE**
[72] HSIEH, WEN-HSU, TW
[73] KUANG YU METAL WORKING CO., LTD.,
[85] 2017-08-15
[86] 2016-02-03 (PCT/CN2016/073267)
[87] (WO2016/131382)
[30] CN (201510083312.8) 2015-02-16
[30] CN (201510555428.7) 2015-09-02

[11] **2,977,333**
[13] C

[51] **Int.Cl. B27B 17/02 (2006.01) B23D 57/02 (2006.01)**
[25] EN
[54] **GUIDE BAR OF CHAIN SAW**
[54] **BARRE DE GUIDAGE DE SCIE A CHAINE**
[72] TSUMURA, TOSHIHIRO, JP
[72] YANOO, AKIHITO, JP
[72] KADOWAKI, TAICHI, JP
[72] UCHINO, TOSHIHIDE, JP
[73] SUEHIRO SEIKO KABUSHIKI KAISHA,
[85] 2017-08-21
[86] 2015-11-12 (PCT/JP2015/005663)
[87] (WO2016/135789)
[30] JP (2015-036353) 2015-02-26

[11] **2,977,709**
[13] C

[51] **Int.Cl. A61M 16/00 (2006.01)**
[25] EN
[54] **RESPIRATORY DEVICE**
[54] **DISPOSITIF RESPIRATOIRE**
[72] KUHN, LARS, CH
[72] NOVOTNI, DOMINIK, CH
[72] LAUBSCHER, THOMAS, CH
[73] HAMILTON MEDICAL AG,
[85] 2017-08-24
[86] 2016-02-15 (PCT/EP2016/053189)
[87] (WO2016/134999)
[30] DE (10 2015 203 455.0) 2015-02-26

[11] **2,977,781**
[13] C

[51] **Int.Cl. H05B 45/10 (2020.01)**
[25] EN
[54] **ACTIVE DAMPING CIRCUIT**
[54] **CIRCUIT D'AMORTISSEMENT ACTIF**
[72] WEI, JINSHENG, US
[72] JOHNSEN, ANDREW, US
[72] JAYABALAN, RANJIT, US
[72] KUMAR, NITIN, DE
[73] OSRAM SYLVANIA INC.,
[85] 2017-08-24
[86] 2016-02-25 (PCT/US2016/019656)
[87] (WO2016/138319)
[30] US (62/120,646) 2015-02-25

[11] **2,978,010**
[13] C

[51] **Int.Cl. F16F 3/04 (2006.01) B60G 11/54 (2006.01) B60G 15/04 (2006.01) F16F 1/12 (2006.01)**
[25] EN
[54] **SPRING AND DAMPER SYSTEMS FOR ATTENUATING THE TRANSMISSION OF ENERGY**
[54] **SYSTEMES A RESSORT ET AMORTISSEUR PERMETTANT D'ATTENUER LA TRANSMISSION D'ENERGIE**
[72] PEPKA, CHARLES F., US
[73] RENTON COIL SPRING COMPANY,
[85] 2017-08-25
[86] 2016-03-23 (PCT/US2016/023831)
[87] (WO2016/154351)
[30] US (14/666,066) 2015-03-23

[11] **2,978,122**
[13] C

[51] **Int.Cl. A41D 27/00 (2006.01) A41D 1/21 (2018.01) A41D 1/00 (2018.01) A41D 1/22 (2018.01)**
[25] EN
[54] **GARMENT EXTENDER**
[54] **RALLONGE DE VETEMENT**
[72] MCHUGH, MICHAEL BENJAMIN, CA
[73] MCHUGH, MICHAEL BENJAMIN,
[86] (2978122)
[87] (2978122)
[22] 2017-09-05

**Canadian Patents Issued
March 24, 2020**

[11] **2,978,456**
[13] C

[51] **Int.Cl. G06Q 20/36 (2012.01) G06F 3/0481 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MOBILE CHECKOUT**
[54] **SYSTEME ET PROCEDE DE VERIFICATION MOBILE**
[72] HEALY, TODD ALLAN, US
[72] YIM, STEPHANIE, US
[73] MASTERCARD INTERNATIONAL INCORPORATED,
[85] 2017-08-31
[86] 2016-03-07 (PCT/US2016/021228)
[87] (WO2016/144894)
[30] US (62/129,455) 2015-03-06

[11] **2,978,612**
[13] C

[51] **Int.Cl. C08F 290/06 (2006.01) G02B 1/04 (2006.01) G02C 7/04 (2006.01)**
[25] EN
[54] **AMPHIPHILIC SILOXANE-CONTAINING VINYLIC MONOMERS AND USES THEREOF**
[54] **MONOMERES VINYLIQUES CONTENANT UN SILOXANE AMPHIPHILE ET LEURS UTILISATIONS**
[72] CHANG, FRANK, US
[73] ALCON INC.,
[86] (2978612)
[87] (2978612)
[22] 2013-12-13
[62] 2,889,891
[30] US (61/737206) 2012-12-14

[11] **2,979,273**
[13] C

[51] **Int.Cl. C07K 7/62 (2006.01) C07K 7/50 (2006.01) C12Q 1/02 (2006.01) C12Q 1/18 (2006.01)**
[25] EN
[54] **SHORT FATTY ACID TAIL POLYMYXIN DERIVATIVES AND USES THEREOF**
[54] **DERIVES DE POLYMYXINE A QUEUE ACIDE GRAS COURT ET LEURS UTILISATIONS**
[72] VAARA, MARTTI, FI
[72] VAARA, TIMO, FI
[73] NORTHERN ANTIBIOTICS OY,
[86] (2979273)
[87] (2979273)
[22] 2009-02-05
[62] 2,713,467
[30] US (61/065,214) 2008-02-08
[30] FI (20085110) 2008-02-08
[30] US (61/127,933) 2008-05-16
[30] FI (20085469) 2008-05-16

[11] **2,979,356**
[13] C

[51] **Int.Cl. F04D 13/08 (2006.01) E21B 43/12 (2006.01) F04D 13/12 (2006.01) F04D 15/00 (2006.01)**
[25] EN
[54] **AUTONOMOUS SUBMERSIBLE PUMP**
[54] **POMPE SUBMERSIBLE AUTONOME**
[72] LEONARD, JEREMY, CA
[73] LEONARD, JEREMY,
[86] (2979356)
[87] (2979356)
[22] 2017-09-18

[11] **2,979,467**
[13] C

[51] **Int.Cl. F21V 23/06 (2006.01) F21K 9/272 (2016.01) F21S 2/00 (2016.01) F21V 15/01 (2006.01) F21V 15/015 (2006.01)**
[25] EN
[54] **LIGHT FIXTURE WITH ADJUSTABLE CONNECTOR**
[54] **APPAREIL D'ECLAIRAGE A CONNECTEUR AJUSTABLE**
[72] SIECZKOWSKI, PHILIP, US
[72] MAYO, CHRISTINA, US
[73] ABL IP HOLDING LLC,
[86] (2979467)
[87] (2979467)
[22] 2017-09-15
[30] US (62/424142) 2016-11-18

[11] **2,979,488**
[13] C

[51] **Int.Cl. D21H 21/22 (2006.01) D21H 11/00 (2006.01) D21H 15/00 (2006.01)**
[25] EN
[54] **ABSORBENT PAPER PRODUCTS HAVING UNIQUE PHYSICAL STRENGTH PROPERTIES**
[54] **PRODUITS DE PAPIER ABSORBANT AYANT DES PROPRIETES DE RESISTANCE PHYSIQUE UNIQUES**
[72] ZIEGENBEIN, TOBIAS, CA
[73] MERCER INTERNATIONAL INC.,
[86] (2979488)
[87] (2979488)
[22] 2017-09-19
[30] US (62/396,812) 2016-09-19

[11] **2,979,496**
[13] C

[51] **Int.Cl. D21H 21/22 (2006.01) D21H 11/00 (2006.01) D21H 15/00 (2006.01)**
[25] EN
[54] **ABSORBENT PAPER PRODUCTS HAVING UNIQUE PHYSICAL STRENGTH PROPERTIES**
[54] **PRODUITS DE PAPIER ABSORBANT AYANT DES PROPRIETES DE RESISTANCE PHYSIQUE UNIQUES**
[72] ZIEGENBEIN, TOBIAS, CA
[73] MERCER INTERNATIONAL INC.,
[86] (2979496)
[87] (2979496)
[22] 2017-09-19
[30] US (62/396,812) 2016-09-19

[11] **2,979,510**
[13] C

[51] **Int.Cl. F03D 80/00 (2016.01) F03D 7/02 (2006.01) H02P 5/68 (2006.01)**
[25] EN
[54] **ADJUSTING DEVICE FOR ADJUSTING A ROTOR BLADE OF A WIND TURBINE**
[54] **DISPOSITIF DE REGLAGE POUR REGLER UNE PALE DE ROTOR D'EOLIENNE**
[72] EDEN, GEORG, DE
[73] WOBLEN PROPERTIES GMBH,
[85] 2017-09-12
[86] 2016-04-07 (PCT/EP2016/057619)
[87] (WO2016/162421)
[30] DE (10 2015 206 488.3) 2015-04-10

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,979,587**
[13] C

[51] **Int.Cl. C07D 307/68 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING FURAN-2,5-DICARBOXYLIC ACID (FDCA) FROM A SOLID SALT PROCEDE DE FABRICATION D'ACIDE FURANE-2,5-DICARBOXYLIQUE (FDCA) A PARTIR D'UN SEL SOLIDE**

[72] VAN KRIEKEN, JAN, NL
[72] DE HAAN, ANDRE BANIER, NL
[73] PURAC BIOCHEM BV,
[85] 2017-09-13
[86] 2016-03-17 (PCT/EP2016/055818)
[87] (WO2016/146752)
[30] EP (15159401.7) 2015-03-17

[11] **2,979,892**
[13] C

[51] **Int.Cl. G01N 23/04 (2018.01) B07C 5/342 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR USE IN PERFORMING SECURITY SCREENING**

[54] **PROCEDE ET SYSTEME A UTILISER POUR REALISER UNE INSPECTION DE SECURITE**

[72] PERRON, LUC, CA
[73] VANDERLANDE APC INC.,
[86] (2979892)
[87] (2979892)
[22] 2011-04-21
[62] 2,796,809
[30] US (61/326,503) 2010-04-21
[30] US (61/420,973) 2010-12-08

[11] **2,979,906**
[13] C

[51] **Int.Cl. C07D 231/00 (2006.01) A01N 25/00 (2006.01) A01N 43/56 (2006.01) A01P 13/00 (2006.01) C07C 22/04 (2006.01) C07C 23/08 (2006.01)**
[25] EN
[54] **PYRAZOLE COMPOUNDS OR SALTS THEREOF, PREPARATION METHOD THEREFOR, HERBICIDAL COMPOSITION AND USE THEREOF**

[54] **COMPOSE DE PYRAZOLE OU SEL CORRESPONDANT ET PROCEDE DE PREPARATION, COMPOSITION HERBICIDE ET UTILISATION CORRESPONDANTS**

[72] LIAN, LEI, CN
[72] ZHENG, YURONG, CN
[72] PENG, XUEGANG, CN
[72] JIN, TAO, CN
[72] CUI, QI, CN
[72] LI, SONG, CN
[73] QINGDAO KINGAGROOT CHEMICAL COMPOUNDS CO., LTD,
[85] 2017-09-15
[86] 2016-03-04 (PCT/CN2016/075577)
[87] (WO2017/113508)
[30] CN (201511030167.3) 2015-12-31

[11] **2,980,523**
[13] C

[51] **Int.Cl. C22B 23/00 (2006.01) C22B 3/44 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING NICKEL AND COBALT MIXED SULFIDE AND NICKEL OXIDE ORE HYDROMETALLURGICAL METHOD**

[54] **PROCEDE DE FABRICATION D'UN SULFURE MIXTE DE NICKEL ET DE COBALT ET PROCEDE HYDROMETALLURGIQUE POUR MINERAI D'OXYDE DE NICKEL**

[72] YONEYAMA, TOMOAKI, JP
[72] MITSUI, HIROYUKI, JP
[72] ENOMOTO, MANABU, JP
[73] SUMITOMO METAL MINING CO., LTD.,
[85] 2017-09-21
[86] 2015-12-08 (PCT/JP2015/084427)
[87] (WO2016/157629)
[30] JP (2015-075062) 2015-04-01

[11] **2,980,565**
[13] C

[51] **Int.Cl. F24H 1/18 (2006.01) C03C 4/20 (2006.01) C23D 5/00 (2006.01) F16J 12/00 (2006.01) F17C 13/00 (2006.01) F24H 9/00 (2006.01)**
[25] EN
[54] **DOUBLE GLASS COATED TANK FOR HIGH TEMPERATURE WATER HEATERS**

[54] **RESERVOIR REVETU A DOUBLE PAROI EN VERRE DESTINE A DES CHAUFFE-EAU HAUTE TEMPERATURE**

[72] LESAGE, CLAUDE, CA
[73] MICLAU-S.R.I. INC.,
[86] (2980565)
[87] (2980565)
[22] 2017-09-27

[11] **2,980,772**
[13] C

[51] **Int.Cl. G06F 9/44 (2018.01)**
[25] EN
[54] **ENDPOINT MANAGEMENT SYSTEM PROVIDING AN APPLICATION PROGRAMMING INTERFACE PROXY SERVICE**

[54] **SYSTEME DE GESTION DE POINT D'EXTREMITE FOURNISSANT UN SERVICE DE MANDATAIRE D'INTERFACE DE PROGRAMMATION D'APPLICATION**

[72] THOMPSON, JONATHAN PAUL, US
[73] AMAZON TECHNOLOGIES, INC.,
[85] 2017-09-22
[86] 2016-04-07 (PCT/US2016/026514)
[87] (WO2016/164633)
[30] US (14/682,033) 2015-04-08

Canadian Patents Issued
March 24, 2020

[11] **2,980,847**
[13] C

[51] **Int.Cl. C12N 15/45 (2006.01) A61K 39/165 (2006.01) A61P 31/14 (2006.01) A61P 37/04 (2006.01) C07K 14/12 (2006.01) C12N 5/10 (2006.01) C12N 7/00 (2006.01) C12N 7/01 (2006.01) C12N 15/86 (2006.01)**

[25] EN

[54] **RECOMBINANT MUMPS VIRUS JERYL LYNN 2 BASED VACCINE**

[54] **VACCIN BASE SUR LE VIRUS RECOMBINANT DES OREILLONS JERYL LYNN 2**

[72] GLUECK, REINHARD, IN

[72] GIANNINO, VIVIANA, IN

[72] GUPTA, GAURAV, IN

[73] CADILA HEALTHCARE LIMITED,

[85] 2017-09-25

[86] 2016-03-28 (PCT/IN2016/000074)

[87] (WO2016/157208)

[30] IN (1055/MUM/2015) 2015-03-27

[11] **2,980,923**
[13] C

[51] **Int.Cl. B01D 19/00 (2006.01) C02F 1/20 (2006.01)**

[25] EN

[54] **DEGASSER AND METHOD OF STRIPPING GAS FROM A LIQUID**

[54] **DEGAZEUR ET PROCEDE DE DISTILLATION D'UN GAZ A PARTIR D'UN LIQUIDE**

[72] POON, AARON, US

[72] SALYER, DAVID, US

[72] VELASTEGUI, OSCAR, US

[73] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT,

[85] 2017-09-25

[86] 2016-03-22 (PCT/US2016/023507)

[87] (WO2016/154164)

[30] US (14/667,973) 2015-03-25

[11] **2,980,972**
[13] C

[51] **Int.Cl. E04H 12/20 (2006.01) F03D 13/20 (2016.01) E04C 5/16 (2006.01) E04H 12/16 (2006.01) F16G 11/00 (2006.01)**

[25] EN

[54] **TENSION CORD GUIDE IN A WIND TURBINE TOWER**

[54] **GUIDE DE CABLES TENDEURS DANS UN MAT D'EOLIENNE**

[72] KERSTEN, ROY, DE

[73] WOBLEN PROPERTIES GMBH,

[85] 2017-09-26

[86] 2016-04-08 (PCT/EP2016/057745)

[87] (WO2016/166026)

[30] DE (10 2015 206 668.1) 2015-04-14

[11] **2,981,287**
[13] C

[51] **Int.Cl. C12H 1/16 (2006.01) B01F 7/00 (2006.01) C12G 3/06 (2006.01) C12G 3/07 (2006.01)**

[25] EN

[54] **A METHOD OF INFUSING HOPS FLAVORING INTO BEER**

[54] **UNE METHODE D'INFUSION DE SAVEUR DE HOUBLON DANS LA BIERE**

[72] MANCOSKY, DOUGLAS G., US

[73] HYDRO DYNAMICS, INC.,

[85] 2017-09-28

[86] 2016-04-01 (PCT/US2016/025583)

[87] (WO2016/161303)

[30] US (62/141,595) 2015-04-01

[30] US (62/293,069) 2016-02-09

[30] US (15/085,616) 2016-03-30

[11] **2,981,476**
[13] C

[51] **Int.Cl. G06F 16/22 (2019.01) G06F 16/23 (2019.01) G06F 15/16 (2006.01)**

[25] EN

[54] **PROCESSING DATABASE TRANSACTIONS IN A DISTRIBUTED COMPUTING SYSTEM**

[54] **TRAITEMENT DE TRANSACTIONS DE BASE DE DONNEES DANS UN SYSTEME INFORMATIQUE DISTRIBUE**

[72] STANFILL, CRAIG W., US

[73] AB INITIO TECHNOLOGY LLC,

[85] 2017-09-29

[86] 2016-03-22 (PCT/US2016/023554)

[87] (WO2016/160416)

[30] US (62/141,388) 2015-04-01

[11] **2,981,722**
[13] C

[51] **Int.Cl. C09J 197/00 (2006.01) B27N 1/02 (2006.01) B27N 3/00 (2006.01) C09J 161/00 (2006.01)**

[25] EN

[54] **HIGH RESIDUAL CONTENT (HRC) KRAFT/SODA LIGNIN AS AN INGREDIENT IN WOOD ADHESIVES**

[54] **LIGNINE DE KRAFT/SOUDE A TENEUR RESIDUELLE ELEVEE (HRC) EN TANT QU'INGREDIENT DANS DES COLLES A BOIS**

[72] FENG, MARTIN W., CA

[72] HE, GUANGBO, CA

[72] ZHANG, YAOLIN, CA

[72] WANG, XIANG-MING, CA

[72] KOUISNI, LAMFEDDAL, CA

[72] PALEOLOGOU, MICHAEL, CA

[73] FPINNOVATIONS,

[85] 2017-10-04

[86] 2016-04-15 (PCT/CA2016/050436)

[87] (WO2016/165023)

[30] US (62/147,816) 2015-04-15

[11] **2,981,799**
[13] C

[51] **Int.Cl. E21B 17/04 (2006.01) E21B 17/02 (2006.01)**

[25] EN

[54] **CONSTANT-VELOCITY JOINT WITH SURFACE CONTACT FORKS**

[54] **JOINT HOMOCINETIQUE DOTE DE FOURCHETTES A CONTACT DE SURFACE**

[72] SONAR, SANDIP SATISH, CA

[72] SADABADI, HAMID, CA

[72] ROY CHOUDHURY, NEIL, CA

[73] HALLIBURTON ENERGY SERVICES, INC.,

[85] 2017-10-04

[86] 2015-05-19 (PCT/US2015/031561)

[87] (WO2016/186657)

Brevets canadiens délivrés
24 mars 2020

[11] **2,982,486**
[13] C

[51] **Int.Cl. C12Q 1/68 (2018.01) C12N 15/113 (2010.01) C12Q 1/6809 (2018.01) C12Q 1/6851 (2018.01) C12Q 1/6883 (2018.01)**

[25] EN

[54] **NUCLEIC ACID MARKERS FOR RAPID DIAGNOSIS OF KAWASAKI DISEASE AND KIT FOR DETECTION OF THE NUCLEIC ACID MARKERS**

[54] **MARQUEURS D'ACIDES NUCLEIQUES ET TROUSSE POUR CES DERNIERS DESTINEE AU DIAGNOSTIC RAPIDE DE LA MALADIE DE KAWASAKI**

[72] JIA, HONGLING, CN

[72] ZHANG, GONG, CN

[72] LIU, CHAOWU, CN

[72] ZHANG, LI, CN

[72] CHEN, JIE, CN

[72] ZENG, HONGBIN, CN

[72] YU, MINFEI, CN

[73] GUANGZHOU SAGENE BIOTECH CORP.,

[85] 2017-10-12

[86] 2014-12-26 (PCT/CN2014/095152)

[87] (WO2016/082272)

[30] CN (201410709423.0) 2014-11-27

[11] **2,982,546**
[13] C

[51] **Int.Cl. G08G 1/16 (2006.01)**

[25] EN

[54] **VEHICLE PERIPHERY INFORMATION VERIFICATION DEVICE AND METHOD**

[54] **DISPOSITIF ET PROCEDE DE VERIFICATION D'INFORMATIONS DE PERIPHERIE DE VEHICULE**

[72] KHIAT, ABDELAZIZ, JP

[73] NISSAN MOTOR CO., LTD.,

[85] 2017-10-12

[86] 2015-04-13 (PCT/JP2015/061336)

[87] (WO2016/166790)

[11] **2,983,183**
[13] C

[51] **Int.Cl. F24H 1/14 (2006.01) B01J 8/00 (2006.01) C10G 35/04 (2006.01) F28B 1/00 (2006.01)**

[25] EN

[54] **REACTOR AND HEATER CONFIGURATION SYNERGIES IN PARAFFIN DEHYDROGENATION PROCESS**

[54] **SYNERGIES DE CONFIGURATION D'ELEMENT CHAUFFANT ET DE REACTEUR DANS UN PROCEDE DE DESHYDROGENATION DE PARAFFINE**

[72] GATTUPALLI, RAJESWAR, US

[72] YUAN, QUAN, US

[72] SADLER, CLAYTON C., US

[72] VETTER, MICHAEL J., US

[72] EGOLF, BRYAN J., US

[73] UOP LLC,

[85] 2017-10-17

[86] 2016-06-22 (PCT/US2016/038715)

[87] (WO2017/003786)

[30] US (62/186,810) 2015-06-30

[11] **2,983,247**
[13] C

[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 50/28 (2012.01)**

[25] EN

[54] **SECURE LOCATION-BASED EVENTS AND NOTIFICATIONS**

[54] **EVENEMENTS ET NOTIFICATIONS BASES SUR UN EMPLACEMENT SECURISE**

[72] GILLEN, ROBERT J., US

[73] UNITED PARCEL SERVICE OF AMERICA, INC.,

[85] 2017-10-18

[86] 2016-04-14 (PCT/US2016/027528)

[87] (WO2016/171996)

[30] US (62/152,068) 2015-04-24

[11] **2,983,379**
[13] C

[51] **Int.Cl. B23C 5/10 (2006.01) B23G 5/18 (2006.01)**

[25] EN

[54] **INSERT-TYPE TOOL AND THREAD MILL**

[54] **OUTIL DU TYPE A INSERT ET BROYEUR FILETE**

[72] OSAWA, JIRO, JP

[72] YODA, TOMONORI, JP

[73] OSG CORPORATION,

[85] 2017-10-19

[86] 2015-06-15 (PCT/JP2015/067161)

[87] (WO2016/203519)

[11] **2,983,573**
[13] C

[51] **Int.Cl. A45D 20/12 (2006.01)**

[25] EN

[54] **LIGHT IRRADIATION DEVICE**

[54] **DISPOSITIF D'IRRADIATION DE LUMIERE**

[72] SHIIBASHI, TADASHI, JP

[72] ITO, TOMOYUKI, JP

[73] METRAS, INC.,

[85] 2017-10-20

[86] 2016-04-20 (PCT/JP2016/062531)

[87] (WO2016/175102)

[30] JP (2015-089953) 2015-04-27

[30] JP (2015-252512) 2015-12-24

[11] **2,983,746**
[13] C

[51] **Int.Cl. H01P 1/213 (2006.01)**

[25] EN

[54] **INPUT/OUTPUT APPARATUS OF MULTIPLEXER, AND MULTIPLEXER**

[54] **DISPOSITIF D'ENTREE-SORTIE POUR MULTIPLEXEUR, ET MULTIPLEXEUR**

[72] ZHANG, XIAOFENG, CN

[72] QIU, LIXIA, CN

[72] CHEN, KE, CN

[73] HUAWEI TECHNOLOGIES CO., LTD.,

[85] 2017-10-24

[86] 2016-03-04 (PCT/CN2016/075607)

[87] (WO2016/173321)

[30] CN (201510214812.0) 2015-04-29

**Canadian Patents Issued
March 24, 2020**

[11] **2,983,772**
[13] C

[51] **Int.Cl. F16K 3/316 (2006.01) F16K 3/02 (2006.01) F16K 3/18 (2006.01) F16K 25/00 (2006.01)**

[25] EN

[54] **PARALLEL SLIDE GATE VALVES AND RELATED METHODS**

[54] **ROBINETS-VANNES A SIEGES PARALLELES ET PROCEDES ASSOCIES**

[72] GRADLE, RICHARD J., US

[73] FLOWSERVE MANAGEMENT COMPANY,

[85] 2017-10-23

[86] 2016-04-21 (PCT/US2016/028658)

[87] (WO2016/172347)

[30] US (14/696,321) 2015-04-24

[11] **2,983,849**
[13] C

[51] **Int.Cl. A47B 61/04 (2006.01) A47B 97/00 (2006.01) A47F 7/08 (2006.01) G07F 11/46 (2006.01)**

[25] EN

[54] **FOOTWEAR VENDING SYSTEMS**

[54] **SYSTEMES D'AERATION DE CHAUSSURE**

[72] PIERRE, ERICA, US

[73] PIERRE, ERICA,

[86] (2983849)

[87] (2983849)

[22] 2017-10-26

[11] **2,984,027**
[13] C

[51] **Int.Cl. C10G 21/00 (2006.01)**

[25] EN

[54] **APPARATUS AND PROCESS FOR SEPARATING ASPHALTENES FROM AN OIL-CONTAINING FUEL**

[54] **APPAREIL ET PROCEDE DE SEPARATION DES ASPHALTENES D'UN CARBURANT RENFERMANT DE L'HUILE**

[72] KINZL, MARKUS, DE

[72] KURSAWE, ANSGAR, DE

[73] SIEMENS AKTIENGESELLSCHAFT,

[85] 2017-10-26

[86] 2016-02-12 (PCT/EP2016/052955)

[87] (WO2016/173732)

[30] DE (10 2015 207 764.0) 2015-04-28

[11] **2,984,056**
[13] C

[51] **Int.Cl. H05B 3/84 (2006.01) H01Q 1/12 (2006.01) H05K 1/03 (2006.01)**

[25] EN

[54] **PANE WITH ELECTRICAL CONNECTION ELEMENT AND CONNECTING ELEMENT ATTACHED THERETO**

[54] **DISQUE COMPRENANT UN ELEMENT DE BRANCHEMENT ELECTRIQUE ET UN ELEMENT DE LIAISON INSTALLE SUR CE DERNIER**

[72] WERNER, KATJA, DE

[72] RATEICZAK, MITJA, DE

[72] REUL, BERNHARD, DE

[72] SCHMALBUCH, KLAUS, DE

[73] SAINT-GOBAIN GLASS FRANCE,

[85] 2017-10-26

[86] 2016-05-01 (PCT/EP2016/059716)

[87] (WO2016/177653)

[30] EP (15166354.9) 2015-05-05

[11] **2,984,208**
[13] C

[51] **Int.Cl. B07B 1/46 (2006.01)**

[25] EN

[54] **DESIGN IMPROVEMENTS FOR MECHANICAL SEPARATION DEVICES**

[54] **AMELIORATIONS DE MODELE DE DISPOSITIFS DE SEPARATION MECANIQUE**

[72] GALLOP, CHARLES C., US

[73] ICM, INC.,

[86] (2984208)

[87] (2984208)

[22] 2017-10-30

[30] US (62/417,983) 2016-11-04

[11] **2,984,213**
[13] C

[51] **Int.Cl. C08G 73/06 (2006.01) A01N 33/12 (2006.01) A01N 43/40 (2006.01) A01P 1/00 (2006.01) A61K 47/18 (2017.01) A61K 47/22 (2006.01) A61L 12/14 (2006.01) C07C 211/63 (2006.01) C07D 213/04 (2006.01) C08G 73/02 (2006.01)**

[25] EN

[54] **CATIONIC COMPOUNDS AND THEIR USE AS ANTIMYCOTIC AND ANTIMICROBIAL AGENTS**

[54] **COMPOSES CATIONIQUES ET LEUR UTILISATION COMME AGENTS ANTIMYCOTIQUES ET ANTIMICROBIENS**

[72] REICHL, STEPHAN, DE

[72] VON DEYLEN, DORTE, DE

[72] DREHER, CHRISTINA, DE

[72] LESSMANN, FRANK, DE

[72] SEIDELMANN, OLIVER, DE

[73] CHIROBLOCK GMBH,

[85] 2017-10-27

[86] 2016-07-19 (PCT/EP2016/067101)

[87] (WO2017/032509)

[30] EP (15182310.1) 2015-08-25

[11] **2,984,393**
[13] C

[51] **Int.Cl. A61M 15/00 (2006.01) A61M 11/06 (2006.01) A61M 15/06 (2006.01)**

[25] EN

[54] **MIXING CHANNEL FOR AN INHALATION DEVICE AND INHALATION DEVICE**

[54] **CANAL DE MELANGE POUR INHALATEUR ET INHALATEUR ASSOCIE**

[72] MULLINGER, BERNHARD, DE

[72] HUBER, MARTIN, DE

[72] KOLB, TOBIAS, DE

[72] HARTMANN, MONIKA, DE

[73] VECTURA GMBH,

[86] (2984393)

[87] (2984393)

[22] 2013-03-08

[62] 2,866,632

[30] EP (12158852.9) 2012-03-09

[30] EP (12190139.1) 2012-10-26

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,984,428**
[13] C

[51] **Int.Cl. C08J 9/35 (2006.01) C09D 5/32 (2006.01) D06N 3/00 (2006.01)**

[25] EN

[54] **FOAMED AQUEOUS COMPOSITION**

[54] **COMPOSITION AQUEUSE EXPANSEE**

[72] NAIR, MRIDULA, US

[72] BRICK, MARY C., US

[72] PYSZCZEK, ELLEN J., US

[73] EASTMAN KODAK COMPANY,

[85] 2017-10-30

[86] 2016-05-24 (PCT/US2016/033865)

[87] (WO2016/196072)

[30] US (14/730,269) 2015-06-04

[30] US (15/144,875) 2016-05-03

[11] **2,984,665**
[13] C

[51] **Int.Cl. G01G 21/00 (2006.01) G01G 17/02 (2006.01) G01G 19/00 (2006.01) G01G 23/12 (2006.01)**

[25] EN

[54] **DYNAMIC SCALE WITH MULTIPLE WEIGHING PANS**

[54] **BALANCE DYNAMIQUE COMPORTANT PLUSIEURS PLATEAUX DE PESEE**

[72] GESERICH, FRANK, DE

[72] BECKMANN, STEFAN, DE

[72] BLUME, ANDREAS, DE

[72] VAN DER WAYDBRINK, KARSTEN, DE

[73] FRANCOTYP-POSTALIA GMBH,

[86] (2984665)

[87] (2984665)

[22] 2015-06-16

[62] 2,894,338

[30] DE (20 2014 004 821.5) 2014-06-16

[30] DE (20 2015 002 361.4) 2015-03-30

[11] **2,985,086**
[13] C

[51] **Int.Cl. A61F 6/02 (2006.01) A61H 23/02 (2006.01)**

[25] EN

[54] **INTERRUPTING THE LIFE CYCLE OF SPERM**

[54] **INTERRUPTION DU CYCLE BIOLOGIQUE DES SPERMATOZOIDES**

[72] SEWAK, ROBERT, US

[72] MILLER, MICHAEL R., US

[73] SOUND TECHNOLOGY TRANSFER, LLC,

[85] 2017-11-03

[86] 2016-05-04 (PCT/US2016/030783)

[87] (WO2016/179284)

[30] US (14/703,001) 2015-05-04

[11] **2,985,303**
[13] C

[51] **Int.Cl. H02G 5/06 (2006.01) H02G 3/04 (2006.01)**

[25] EN

[54] **MULTI LEVEL CABLE BUS SYSTEM WITH MODULAR CABLE TRAYS**

[54] **SYSTEME DE BUS DE CABLE MULTINIVEAU AVEC CHEMINS DE CABLES MODULAIRES**

[72] PAWLUK, ROBERT R., CA

[73] PAWLUK, ROBERT R.,

[86] (2985303)

[87] (2985303)

[22] 2010-11-04

[62] 2,720,146

[11] **2,985,381**
[13] C

[51] **Int.Cl. C07K 19/00 (2006.01) A61K 39/12 (2006.01) A61P 31/14 (2006.01) A61P 37/04 (2006.01) C07K 14/08 (2006.01) C07K 14/21 (2006.01)**

[25] EN

[54] **VACCINE COMPOSITIONS AGAINST PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME AND PORCINE CIRCOVIRUS ASSOCIATED DISEASES**

[54] **COMPOSITIONS DE VACCIN CONTRE LE SYNDROME REPRODUCTEUR ET RESPIRATOIRE PORCIN ET LES MALADIES ASSOCIEES AU CIRCOVIRUS PORCIN**

[72] CHIEN, YU-HSIN, TW

[72] TSAI, MENG-JU, TW

[72] LAI, PAO-YEN, TW

[72] CHOU, WEI-I, TW

[72] CHANG, HSIU-KANG, TW

[73] REBER GENETICS CO., LTD.,

[85] 2017-11-07

[86] 2016-05-27 (PCT/US2016/034858)

[87] (WO2016/196383)

[30] US (62/169,205) 2015-06-01

**Canadian Patents Issued
March 24, 2020**

[11] **2,985,520**
[13] C

[51] **Int.Cl. A01N 43/653 (2006.01) A01N 43/16 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **A PESTICIDE COMPOSITION COMPRISING TEBUCONAZOLE AND JINGGANGMYCIN FOR PREVENTING AND CONTROLLING FUSARIUM HEAD BLIGHT, AND A METHOD WHEREIN THE PESTICIDE COMPOSITION IS APPLIED TO CULTIVATED GRAIN CROPS**
[54] **COMPOSITION PESTICIDE RENFERMANT DU TEBUCONAZOLE ET DE LA JINGGANGMYCINE DESTINEE A LA PREVENTION ET AU CONTROLE DE LA BRULURE DE L'EPI CAUSEE PAR LE FUSARIUM, ET METHODE D'APPLICATION DE LA COMPOSITION PESTICIDE AUX CULTURES DE GRAINS**
[72] ZHOU, MINGGUO, CN
[72] DUAN, YABING, CN
[72] WANG, JIANXIN, CN
[73] NANJING AGRICULTURAL UNIVERSITY,
[85] 2017-11-09
[86] 2016-05-11 (PCT/CN2016/081653)
[87] (WO2017/084248)
[30] CN (201510807440.2) 2015-11-19

[11] **2,986,347**
[13] C

[51] **Int.Cl. B22D 11/112 (2006.01) B22D 11/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD OF MANUFACTURING METALLIC OR INORGANIC FIBERS HAVING A THICKNESS IN THE MICRON RANGE BY MELT SPINNING**
[54] **APPAREIL ET PROCEDURE DE FABRICATION DE FIBRES METALLIQUES OU INORGANIQUES AYANT UNE EPAISSEUR DE L'ORDRE DU MICROMETRE PAR FILAGE EN FUSION**
[72] SPATZ, JOACHIM, DE
[72] MICOULET, ALEXANDRE, DE
[72] SHARIFIKOLOUEI, ELHAM, DE
[73] MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V.,
[85] 2017-11-17
[86] 2016-09-06 (PCT/EP2016/070963)
[87] (WO2017/042155)
[30] EP (15184903.1) 2015-09-11

[11] **2,986,599**
[13] C

[51] **Int.Cl. C07C 7/10 (2006.01) B01J 19/24 (2006.01) C07C 7/148 (2006.01) C07C 319/24 (2006.01) C07C 319/28 (2006.01) C10G 70/04 (2006.01)**
[25] EN
[54] **PROCESS FOR OXIDIZING ONE OR MORE THIOL COMPOUNDS**
[54] **PROCEDURE D'OXYDATION D'UN OU DE PLUSIEURS COMPOSES THIOL**
[72] LARICCHIA, LUIGI, US
[72] SMITH, EDWARD F., US
[72] TERTEL, JONATHAN A., US
[73] UOP LLC,
[85] 2017-11-20
[86] 2016-06-27 (PCT/US2016/039520)
[87] (WO2017/007624)
[30] US (62/189,988) 2015-07-08

[11] **2,986,934**
[13] C

[51] **Int.Cl. A61F 5/08 (2006.01)**
[25] EN
[54] **NASAL DILATORS**
[54] **DILATATEURS NASAUX**
[72] JOHNSON, MICHAEL RALPH BURGESS, AU
[72] HARTLEY, TOBY JAMES, AU
[72] TURNER, ASHLEY MARK, AU
[73] ASAP BREATHE ASSIST PTY LTD,
[85] 2017-11-23
[86] 2015-06-05 (PCT/AU2015/050314)
[87] (WO2016/191791)

[11] **2,987,072**
[13] C

[51] **Int.Cl. H04W 12/06 (2009.01) E05B 19/00 (2006.01)**
[25] EN
[54] **CONTEXTUAL DATA DELIVERY TO OTHER USERS AT AN ELECTRONIC LOCKBOX**
[54] **DISTRIBUTION DE DONNEES CONTEXTUELLES A D'AUTRES UTILISATEURS AU NIVEAU D'UN COFFRET DE SERRURE ELECTRONIQUE**
[72] FISHER, SCOTT R., US
[72] ADAMS, MARCUS D., US
[72] BOLLAS, ROBERT A., US
[72] CAUPP, STEVE L., US
[72] CARVER, CONNIE F., US
[72] ETGEN, KYLE T., US
[72] HUNT, CHRISTOPHER A., US
[73] SENTRILOCK, LLC,
[85] 2017-11-23
[86] 2016-06-07 (PCT/US2016/036221)
[87] (WO2016/200814)
[30] US (14/737,166) 2015-06-11

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,987,118**
[13] C

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C12N 5/20 (2006.01) C12N 15/13 (2006.01)**

[25] EN

[54] **A PDL-1 ANTIBODY, PHARMACEUTICAL COMPOSITION THEREOF AND USE THEREOF**

[54] **UN ANTICORPS PDL-1, COMPOSITION PHARMACEUTIQUE ASSOCIEE ET UTILISATION ASSOCIEE**

[72] LI, BAIYONG, CN
[72] XUE, TONGTONG, CN
[72] XIA, YU, CN
[72] WANG, ZHONGMIN MAXWELL, CN
[72] XIAO, LIANG, CN
[72] WANG, LICHUN, CN
[72] WANG, JINGYI, CN
[73] SICHUAN KELUN-BIOTECH BIOPHARMACEUTICAL CO., LTD.,
[85] 2017-11-24
[86] 2017-03-02 (PCT/CN2017/075484)
[87] (WO2017/148424)
[30] CN (201610122117.6) 2016-03-04

[11] **2,987,591**
[13] C

[51] **Int.Cl. F41C 7/11 (2006.01) F41A 11/04 (2006.01) F41C 23/04 (2006.01)**

[25] EN

[54] **TAKEDOWN FIREARM WITH INTEGRAL FOREND STORAGE**

[54] **ARME A FEU DEMONTABLE A RANGEMENT DE FUT INTEGRAL**

[72] SESSIONS, TURNER, US
[72] BARFOOT, GRADY, US
[73] MAGPUL INDUSTRIES CORP.,
[86] (2987591)
[87] (2987591)
[22] 2017-12-01
[30] US (62/430,247) 2016-12-05

[11] **2,987,772**
[13] C

[51] **Int.Cl. H04N 21/242 (2011.01) H04H 60/37 (2009.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR COMPARING MEDIA SIGNALS**

[54] **SYSTEMES ET PROCEDES DE COMPARAISON DE SIGNAUX MULTIMEDIAS**

[72] WEI, JEFF, CA
[73] EVERTZ MICROSYSTEMS LTD.,
[86] (2987772)
[87] (2987772)
[22] 2010-02-12
[62] 2,692,872

[11] **2,989,148**
[13] C

[51] **Int.Cl. B32B 3/30 (2006.01) B65D 65/40 (2006.01) C08J 5/16 (2006.01)**

[25] EN

[54] **RESIN STRUCTURE HAVING A LIQUID LAYER ON THE SURFACE THEREOF**

[54] **STRUCTURE EN RESINE POSSEDANT UNE COUCHE LIQUIDE EN SURFACE**

[72] AKUTSU, YOSUKE, JP
[72] IWAMOTO, SHINYA, JP
[73] TOYO SEIKAN GROUP HOLDINGS, LTD.,
[86] (2989148)
[87] (2989148)
[22] 2014-07-24
[62] 2,917,491
[30] JP (2013-156008) 2013-07-26
[30] JP (2014-006083) 2014-01-16

[11] **2,989,176**
[13] C

[51] **Int.Cl. G01N 33/08 (2006.01)**

[25] EN

[54] **EGG FLAT IDENTIFICATION SYSTEM, AND ASSOCIATED METHOD**

[54] **SYSTEME D'IDENTIFICATION DE PLAQUE A UFS, ET PROCEDE ASSOCIE**

[72] SAMSON, WILLIAM DOUGLAS, US
[72] HEBRANK, JOHN HILBERT, US
[73] ZOETIS SERVICES LLC,
[85] 2017-12-11
[86] 2016-06-29 (PCT/US2016/039966)
[87] (WO2017/011182)
[30] US (62/192,112) 2015-07-14

[11] **2,989,288**
[13] C

[51] **Int.Cl. C01B 35/04 (2006.01) C01G 23/00 (2006.01)**

[25] EN

[54] **METHODS OF MAKING TITANIUM DIBORIDE POWDERS**

[54] **PROCEDES DE FABRICATION DE POUDRES DE DIBORURE DE TITANE**

[72] MCMILLEN, JAMES C., US
[73] ALCOA USA CORP.,
[86] (2989288)
[87] (2989288)
[22] 2010-10-29
[62] 2,779,106
[30] US (61/256,520) 2009-10-30

[11] **2,989,421**
[13] C

[51] **Int.Cl. A61F 2/68 (2006.01) A61B 5/103 (2006.01) A61F 2/60 (2006.01) A61H 3/00 (2006.01) B25J 9/18 (2006.01) B25J 11/00 (2006.01) B25J 19/02 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR PROVIDING ECONOMICAL, PORTABLE DEFICIT-ADJUSTED ADAPTIVE ASSISTANCE DURING MOVEMENT PHASES OF AN IMPAIRED ANKLE**

[54] **PROCEDE ET APPAREIL POUR FOURNIR UNE AIDE ADAPTATIVE AJUSTEE AU DEFICIT PORTATIVE ET ECONOMIQUE LORS DE PHASES DE DEPLACEMENT D'UNE CHEVILLE DIMINUEE**

[72] ROY, ANINDO, US
[72] MACKO, RICHARD F., US
[73] UNIVERSITY OF MARYLAND, BALTIMORE,
[73] THE UNITED STATES OF AMERICA AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS,
[85] 2017-12-13
[86] 2016-06-20 (PCT/US2016/038370)
[87] (WO2016/209770)
[30] US (62/182,779) 2015-06-22

**Canadian Patents Issued
March 24, 2020**

[11] **2,989,485**
[13] C

[51] **Int.Cl. A61F 7/00 (2006.01)**
[25] EN
[54] **PATIENT TEMPERATURE RESPONSE CONTROL SYSTEM AND METHOD**
[54] **SYSTEME DE CONTROLE DE LA REPONSE A LA TEMPERATURE D'UN PATIENT ET PROCEDE**
[72] VOORHEES, MARC, US
[72] CARSON, GARY A., US
[72] GRUSZECKI, GARY, US
[73] MEDIVANCE INCORPORATED,
[86] (2989485)
[87] (2989485)
[22] 2008-11-17
[62] 2,705,535
[30] US (60/988,706) 2007-11-16

[11] **2,989,575**
[13] C

[51] **Int.Cl. G01S 15/88 (2006.01) A61B 5/1171 (2016.01) A61B 5/02 (2006.01) G06K 9/62 (2006.01) H04W 88/02 (2009.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SPOOF DETECTION AND LIVENESS ANALYSIS**
[54] **SYSTEMES ET PROCEDES DE DETECTION D'USURPATION ET D'ANALYSE D'EXISTENCE DE VIE**
[72] DERAKHSHANI, REZA R., US
[72] TEPLY, JOEL, US
[73] EYEVERIFY INC.,
[85] 2017-12-14
[86] 2016-05-31 (PCT/US2016/035007)
[87] (WO2016/204968)
[30] US (62/180,481) 2015-06-16

[11] **2,989,670**
[13] C

[51] **Int.Cl. E04B 1/19 (2006.01) E04F 13/08 (2006.01) E04F 19/00 (2006.01)**
[25] EN
[54] **THREE-DIMENSIONAL FRAME STRUCTURE FOR RIGID WALL PANELS**
[54] **STRUCTURE DE CADRE TRIDIMENSIONNELLE DESTINEE A DES PANNEAUX MURAUX RIGIDES**
[72] MACDONALD, ROBERT B., CA
[72] MACDONALD, PHILIP A., CA
[72] WILLIAMS, ALEXANDER K., CA
[72] HOY, JONATHAN W., CA
[73] EXTERIOR WALL SYSTEMS LIMITED,
[86] (2989670)
[87] (2989670)
[22] 2017-12-19
[30] US (15/838,903) 2017-12-12
[30] US (62/480,611) 2017-04-03

[11] **2,989,760**
[13] C

[51] **Int.Cl. H04L 27/26 (2006.01) H04L 5/00 (2006.01)**
[25] EN
[54] **TRANSMITTING APPARATUS AND RECEIVING APPARATUS AND CONTROLLING METHOD THEREOF**
[54] **APPAREIL EMETTEUR, APPAREIL RECEPTEUR ET LEUR PROCEDE DE COMMANDE**
[72] OH, YOUNG-HO, KR
[72] MYUNG, SE-HO, KR
[72] LEE, HAK-JU, KR
[73] SAMSUNG ELECTRONICS CO., LTD.,
[85] 2017-12-15
[86] 2016-07-01 (PCT/KR2016/007138)
[87] (WO2017/003259)
[30] US (62/187,428) 2015-07-01
[30] KR (10-2016-0014916) 2016-02-05

[11] **2,989,871**
[13] C

[51] **Int.Cl. B29C 33/00 (2006.01) B26B 21/22 (2006.01) B26B 21/58 (2006.01) B29C 33/38 (2006.01) B29C 33/40 (2006.01) B29C 35/08 (2006.01) B29C 39/00 (2006.01) G03F 7/00 (2006.01)**
[25] EN
[54] **POLYMERIC CUTTING EDGE STRUCTURES AND METHOD OF MANUFACTURING THEREOF**
[54] **STRUCTURES DE BORD DE COUPE POLYMERES ET LEUR PROCEDE DE FABRICATION**
[72] GESTER, MATTHIAS, GB
[72] KIYAN, ROMAN, DE
[72] HINZE, ULF, DE
[72] KURSELIS, KESTUTIS, DE
[73] THE GILLETTE COMPANY LLC,
[85] 2017-12-15
[86] 2016-06-21 (PCT/US2016/038515)
[87] (WO2017/003761)
[30] US (62/186,729) 2015-06-30

[11] **2,990,152**
[13] C

[51] **Int.Cl. G21H 1/06 (2006.01)**
[25] EN
[54] **VOLTAIC CELL**
[54] **CELLULE VOLTAIQUE**
[72] GASPARI, FRANCO, CA
[73] INTRIENERGY CANADA LABS INC.,
[85] 2017-12-19
[86] 2015-06-23 (PCT/US2015/037061)
[87] (WO2015/200243)
[30] US (14/317,541) 2014-06-27

[11] **2,990,342**
[13] C

[51] **Int.Cl. B41J 2/175 (2006.01)**
[25] EN
[54] **LIQUID CARTRIDGE**
[54] **CARTOUCHE DE LIQUIDE**
[72] OKAZAKI, NAOYA, JP
[72] KOBAYASHI, TETSURO, JP
[72] TAKAHASHI, HIROAKI, JP
[72] NUKUI, KOSUKE, JP
[72] ONO, AKIHITO, JP
[72] HIRANO, MIKIO, JP
[72] TOMOGUCHI, SUGURU, JP
[72] WANG, YUTAO, JP
[72] KANBE, TOMOHIRO, JP
[73] BROTHER KOGYO KABUSHIKI KAISHA,
[85] 2017-12-20
[86] 2015-07-07 (PCT/JP2015/003414)
[87] (WO2017/006364)

Brevets canadiens délivrés
24 mars 2020

[11] **2,990,346**
[13] C

[51] **Int.Cl. B41J 2/175 (2006.01)**
[25] EN
[54] **LIQUID CARTRIDGE, LIQUID CONSUMING APPARATUS, METHOD OF INSERTING LIQUID CARTRIDGE INTO CARTRIDGE MOUNTING PORTION OF LIQUID CONSUMING APPARATUS, AND USE OF LIQUID CARTRIDGE**
[54] **CARTOUCHE DE LIQUIDE, APPAREIL DE CONSOMMATION DE LIQUIDE, PROCEDE D'INSERTION DE CARTOUCHE DE LIQUIDE DANS UNE PARTIE DE MONTAGE DE CARTOUCHE D'UN APPAREIL DE CONSOMMATION DE LIQUIDE, ET UTILISATION DE CARTOUCHE DE LIQUIDE**
[72] WANG, YUTAO, JP
[72] OKAZAKI, NAOYA, JP
[72] KANBE, TOMOHIRO, JP
[73] BROTHER KOGYO KABUSHIKI KAISHA,
[85] 2017-12-20
[86] 2015-07-07 (PCT/JP2015/003416)
[87] (WO2017/006365)

[11] **2,990,584**
[13] C

[51] **Int.Cl. G01V 5/12 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR ANALYSIS OF GEOPHYSICAL LOGGING DATA OBTAINED BY USING GAMMA RAY LOGGING**
[54] **APPAREIL ET PROCEDE D'ANALYSE DE DONNEES DE DIAGRAPHIES GEOPHYSIQUES A L'AIDE DE RAYONS GAMMA**
[72] LEE, HYUN SUK, KR
[72] RHEE, CHUL WOO, KR
[73] KOREA INSTITUTE OF GEOSCIENCE AND MINERAL RESOURCES,
[85] 2017-12-21
[86] 2016-07-06 (PCT/KR2016/007334)
[87] (WO2017/007242)
[30] KR (10-2015-0096449) 2015-07-07

[11] **2,991,035**
[13] C

[51] **Int.Cl. A61M 1/00 (2006.01)**
[25] EN
[54] **DRAINAGE SYSTEM WITH O-RING**
[54] **SYSTEME DE DRAINAGE A JOINT TORIQUE**
[72] LOPEZ, CAROL, DO
[72] KANTOLA, JAMES C., US
[73] CAREFUSION 2200, INC.,
[85] 2017-12-28
[86] 2016-06-24 (PCT/US2016/039278)
[87] (WO2017/003869)
[30] US (14/788,198) 2015-06-30

[11] **2,991,070**
[13] C

[51] **Int.Cl. E01C 19/10 (2006.01) B28C 9/04 (2006.01)**
[25] EN
[54] **STRUCTURAL ARRANGEMENT APPLIED TO A GRAVIMETRIC ASPHALT PLANT**
[54] **AGENCEMENT STRUCTURAL POUR USINE D'ASPHALTE GRAVIMETRIQUE**
[72] BALLESTER ALONSO, EDUARDO, BR
[73] BALLESTER ALONSO, EDUARDO,
[85] 2017-12-29
[86] 2015-12-17 (PCT/BR2015/050264)
[87] (WO2016/201535)
[30] BR (BR2020150142396) 2015-06-16

[11] **2,991,443**
[13] C

[51] **Int.Cl. G01D 3/08 (2006.01) G01D 11/24 (2006.01)**
[25] EN
[54] **MODULAR SEALING APPARATUS WITH FAILURE DETECTION UNIT**
[54] **APPAREIL DE SCELLAGE MODULAIRE A UNITE DE DETECTION DE DEFAILLANCE**
[72] ERALTI, DAVIDE, IT
[72] DEL BIANCO, MASSIMO, IT
[73] ENDRESS+HAUSER WETZER GMBH+CO. KG,
[85] 2018-01-05
[86] 2016-06-22 (PCT/EP2016/064369)
[87] (WO2017/009013)
[30] EP (15177004.7) 2015-07-16

[11] **2,991,600**
[13] C

[51] **Int.Cl. F16F 9/34 (2006.01) B60D 99/00 (2009.01) B60D 3/00 (2006.01) F16F 9/19 (2006.01) F16F 9/50 (2006.01)**
[25] EN
[54] **HYDRAULIC DAMPING SYSTEM AND ARTICULATED VEHICLE HAVING SUCH A DAMPING SYSTEM**
[54] **SYSTEME D'ATTENUATION HYDRAULIQUE ET VEHICULE ARTICULE COMPORTANT UN TEL SYSTEME D'ATTENUATION**
[72] SEIBEL, BURKHARD, DE
[73] CLAAS INDUSTRIETECHNIK GMBH,
[86] (2991600)
[87] (2991600)
[22] 2018-01-10
[30] DE (102017100395.9) 2017-01-11

[11] **2,991,860**
[13] C

[51] **Int.Cl. A61M 16/20 (2006.01) A61M 16/10 (2006.01)**
[25] EN
[54] **GAS DELIVERY DEVICE AND SYSTEM**
[54] **SYSTEME ET DISPOSITIF D'ALIMENTATION EN GAZ**
[72] BATHE, DUNCAN P., US
[72] KLAUS, JOHN, US
[72] CHRISTENSEN, DAVID, US
[73] MALLINCKRODT HOSPITAL PRODUCTS IP LIMITED,
[86] (2991860)
[87] (2991860)
[22] 2011-01-06
[62] 2,779,766

[11] **2,991,866**
[13] C

[51] **Int.Cl. A42B 3/16 (2006.01) A42B 3/04 (2006.01) A42B 3/30 (2006.01)**
[25] EN
[54] **WIREFORM ATTACHMENT MECHANISM**
[54] **MECANISME DE FIXATION DE FIL**
[72] VACCARO, DYLAN, US
[73] SAFARILAND, LLC,
[86] (2991866)
[87] (2991866)
[22] 2018-01-15
[30] US (62/446,692) 2017-01-16
[30] US (62/485,085) 2017-04-13

**Canadian Patents Issued
March 24, 2020**

[11] **2,992,061**
[13] C

[51] **Int.Cl. C07C 43/21 (2006.01) C07C 43/23 (2006.01) C07C 49/84 (2006.01) C07C 317/22 (2006.01) C07D 239/52 (2006.01) C08F 222/40 (2006.01) C08G 65/34 (2006.01)**

[25] EN

[54] **[(2-ETHOXY-5-TRANS-1-PROPEN-1-YL)-PHENOXYL]-TERMINATED COMPOUNDS**

[54] **COMPOSES A TERMINAISON [(2-ETHOXY-5-TRANS-1-PROPEN-1-YL)-PHENOXYLE]**

[72] EVSYUKOV, SERGEY, DE
[72] POHLMANN, TIM, DE
[72] STENZENBERGER, HORST, DE
[72] TER WIEL, MATTHIJS, DE
[73] EVONIK OPERATIONS GMBH,
[85] 2018-01-10
[86] 2016-09-02 (PCT/EP2016/070675)
[87] (WO2017/045931)
[30] EP (15185457.7) 2015-09-16

[11] **2,992,064**
[13] C

[51] **Int.Cl. C07C 43/285 (2006.01) C08F 222/40 (2006.01) C08G 73/12 (2006.01)**

[25] EN

[54] **ALKENYLPHENOXY-SUBSTITUTED 1,1-DIPHENYLETHYLENES, PROCESSES FOR THEIR PREPARATION, AND THEIR USE**

[54] **1,1-DIPHENYLETHYLENES SUBSTITUES PAR UN ALCENYLPHENOXY, LEURS PROCEDES DE PREPARATION ET LEUR UTILISATION**

[72] EVSYUKOV, SERGEY, DE
[72] POHLMANN, TIM, DE
[72] STENZENBERGER, HORST, DE
[72] TER WIEL, MATTHIJS, DE
[73] EVONIK OPERATIONS GMBH,
[85] 2018-01-10
[86] 2016-09-02 (PCT/EP2016/070687)
[87] (WO2017/045932)
[30] EP (15185476.7) 2015-09-16

[11] **2,992,312**
[13] C

[51] **Int.Cl. C10M 141/08 (2006.01) C10M 133/16 (2006.01) C10M 133/44 (2006.01) C10M 135/18 (2006.01)**

[25] EN

[54] **ADDITIVE FOR LUBRICANT COMPOSITIONS COMPRISING AN ORGANOMOLYBDENUM COMPOUND, AND A DERIVATIZED TRIAZOLE**

[54] **ADDITIF POUR COMPOSITIONS LUBRIFIANTES COMPRENANT UN COMPOSE D'ORGANOMOLYBDENE, ET UN DERIVE DE TRIAZOLE**

[72] PATEL, MIHIR, US
[72] GATTO, VINCENT, J., US
[73] VANDERBILT CHEMICALS, LLC,
[85] 2018-01-11
[86] 2016-08-02 (PCT/US2016/045157)
[87] (WO2017/030785)
[30] US (62/205,240) 2015-08-14
[30] US (62/205,250) 2015-08-14

[11] **2,992,353**
[13] C

[51] **Int.Cl. H05B 3/84 (2006.01) B60J 1/20 (2006.01) B60R 11/04 (2006.01) B60S 1/02 (2006.01)**

[25] EN

[54] **WINDSHIELD HEATING DEVICE FOR ONBOARD CAMERA**

[54] **DISPOSITIF DE CHAUFFAGE DE PARE-BRISE DESTINE A UNE CAMERA EMBARQUEE**

[72] FUTATSUGI, TOMOHIKO, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA,
[86] (2992353)
[87] (2992353)
[22] 2018-01-19
[30] JP (2017-011382) 2017-01-25

[11] **2,992,387**
[13] C

[51] **Int.Cl. E21B 34/06 (2006.01)**

[25] EN

[54] **CASING FOR THE CIRCULATION OF FLUIDS AT THE BOTTOM OF A WELL, WITH A DOWNWARD-FACING OPENING, FOR OIL WELLS**

[54] **COLONNE DE CIRCULATION DE FLUIDES EN FOND DE PUIT, A OUVERTURE VERS LE BAS, POUR PUIT PETROLIERS**

[72] LOPEZ ROBAYO, BYRON RAUL, EC
[73] SERTECPET S.A.,
[85] 2018-01-12
[86] 2016-07-09 (PCT/IB2016/054129)
[87] (WO2017/009765)
[30] EC (IEPI-2015-30311) 2015-07-14

[11] **2,992,404**
[13] C

[51] **Int.Cl. A61K 31/415 (2006.01) A61K 31/135 (2006.01) A61K 47/36 (2006.01) A61K 47/38 (2006.01) A61K 47/44 (2017.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION CONTAINING CELECOXIB AND TRAMADOL**

[54] **COMPOSITION PHARMACEUTIQUE CONTENANT DU CELECOXIB ET DU TRAMADOL**

[72] KIM, JUNG JU, KR
[72] LEE, DONG MIN, KR
[72] KIM, SUN KYOUNG, KR
[73] YOO YOUNG PHARM CO.,LTD.,
[85] 2018-01-12
[86] 2016-06-29 (PCT/KR2016/006930)
[87] (WO2017/010706)
[30] KR (10-2015-0099808) 2015-07-14

[11] **2,992,612**
[13] C

[51] **Int.Cl. A61M 25/00 (2006.01) A61N 1/04 (2006.01) A61N 1/36 (2006.01)**

[25] EN

[54] **STIMULATING CATHETER**

[54] **CATHETER DE STIMULATION**

[72] MASSENGALE, ROGER, US
[73] AVENT, INC.,
[86] (2992612)
[87] (2992612)
[22] 2008-06-04
[62] 2,689,387
[30] US (60/941,932) 2007-06-04

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,992,620**
[13] C

[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/24 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **CIRCUITOUS BAND NEEDLE CHANGING APPARATUS**
[54] **DISPOSITIF DE REMPLACEMENT D'AIGUILLE A BANDE A PARCOURS SINUEUX**
[72] BRUEHWILER, MICHEL, US
[72] CONSTANTINEAU, COLE, US
[72] SCHOONMAKER, RYAN, US
[72] BATES, JAMES, US
[72] BANIK, ROBERT, US
[72] TAYLOR, MARGARET, US
[73] BECTON, DICKINSON AND COMPANY,
[86] (2992620)
[87] (2992620)
[22] 2011-08-12
[62] 2,748,779
[30] US (61/344,526) 2010-08-16
[30] US (13/206,405) 2011-08-09

[11] **2,992,907**
[13] C

[51] **Int.Cl. A61F 2/54 (2006.01)**
[25] EN
[54] **PROSTHESIS SOCKET RETAINER AND SYSTEM COMPOSED OF PROSTHESIS SOCKET AND PROSTHESIS SOCKET RETAINER**
[54] **DISPOSITIF DE MAINTIEN DE TIGE PROTHETIQUE, SYSTEME CONSTITUE D'UNE TIGE PROTHETIQUE ET D'UN DISPOSITIF DE MAINTIEN DE TIGE PROTHETIQUE**
[72] WAGNER, SONJA, AT
[72] FREY, ALICE, AT
[72] LUNZER, WALTER, AT
[73] OTTO BOCK HEALTHCARE PRODUCTS GMBH,
[85] 2018-01-18
[86] 2016-07-25 (PCT/EP2016/067659)
[87] (WO2017/017057)
[30] DE (10 2015 112 406.8) 2015-07-29

[11] **2,993,465**
[13] C

[51] **Int.Cl. C05G 3/90 (2020.01) C05C 9/00 (2006.01) C05G 5/00 (2020.01)**
[25] EN
[54] **COMPOSITION CONTAINING N-(N-BUTYL) THIOPHOSPHORIC TRIAMIDE ADDUCTS AND REACTION PRODUCTS**
[54] **COMPOSITION CONTENANT DES PRODUITS D'ADDITION DE TRIAMIDE N-N-BUTYL)-THIOPHOSPHORIQUE ET DES PRODUITS DE REACTION**
[72] BARR, DOUGLAS, US
[72] GARNIER, ETHEL, US
[72] OWUSU-ADOM, KWAME, US
[73] KOCH AGRONOMIC SERVICES, LLC,
[85] 2018-01-23
[86] 2016-07-22 (PCT/US2016/043626)
[87] (WO2017/019528)
[30] US (62/196,781) 2015-07-24

[11] **2,992,647**
[13] C

[51] **Int.Cl. F16C 7/00 (2006.01) B29C 70/24 (2006.01) B64C 13/30 (2006.01) E04B 1/38 (2006.01) E04C 5/00 (2006.01) F16B 1/00 (2006.01) F16C 7/02 (2006.01) F16S 3/00 (2006.01)**
[25] EN
[54] **COMPOSITE STRUCTURAL COMPONENT WITH TENSION/COMPRESSION MECHANICAL JOINT**
[54] **COMPOSANTE STRUCTURELLE COMPOSITE DOTE E D'UN JOINT MECANIQUE DE TENSION/COMPRESSION**
[72] BEALE, TOM, GB
[73] CROMPTON TECHNOLOGY GROUP LIMITED,
[86] (2992647)
[87] (2992647)
[22] 2018-01-22
[30] EP (17164437.0) 2017-03-31

[11] **2,993,065**
[13] C

[51] **Int.Cl. B60N 2/30 (2006.01) B60N 2/14 (2006.01) B60N 2/20 (2006.01)**
[25] EN
[54] **ONE TOUCH STOW IN FLOOR SEAT ASSEMBLY WITH AUTOMATIC LATERAL DISPLACEMENT**
[54] **ENSEMBLE SIEGE INSTANTANEMENT ESCAMOTABLE A DEPLACEMENT LATERAL AUTOMATIQUE**
[72] WHITE, DAVID A., US
[72] JAGTAP, PRASAD D., US
[72] PROULX, ALAN, US
[72] BRUSH, TIMOTHY JON, US
[72] CARROLL, JEFFREY P., US
[72] TAME, OMAR D., US
[72] COFFEY, ROBERT THOMAS, US
[72] PERSAD, RABINDRANTH, US
[72] DINGEL, DOUGLAS A., US
[72] HURST, NELSON E., III, US
[72] DZIEDZIC, JERZY, US
[72] CAO, LEI, US
[72] ADWELL, BRIAN, US
[73] MAGNA SEATING INC.,
[86] (2993065)
[87] (2993065)
[22] 2011-11-15
[62] 2,816,555
[30] US (61/413,585) 2010-11-15

[11] **2,993,479**
[13] C

[51] **Int.Cl. B32B 17/10 (2006.01) H05B 3/86 (2006.01)**
[25] EN
[54] **HEATABLE LAMINATED VEHICLE WINDOW WITH IMPROVED HEAT DISTRIBUTION**
[54] **VITRE DE VEHICULE STRATIFIEE POUVANT ETRE CHAUFFEE PRESENTANT UNE DISTRIBUTION AMELIOREE DE LA CHALEUR**
[72] KLEIN, MARCEL, DE
[72] SCHULZ, VALENTIN, DE
[73] SAINT-GOBAIN GLASS FRANCE,
[85] 2018-01-24
[86] 2016-09-29 (PCT/EP2016/073359)
[87] (WO2017/063895)
[30] EP (15189476.3) 2015-10-13

**Canadian Patents Issued
March 24, 2020**

[11] **2,993,697**
[13] C

[51] **Int.Cl. B29C 70/40 (2006.01) F02K 1/54 (2006.01)**
[25] EN
[54] **THERMOFORMED CASCADES FOR JET ENGINE THRUST REVERSERS**
[54] **CASCADES THERMOFORMEES POUR INVERSEURS DE POUSSEE DE MOTEUR A REACTION**
[72] BARTEL, AARON WILLIAM, US
[72] MORROW, ROBERT DAREL, US
[72] SCOTT, ALAN JAMES, US
[72] CURAUDEAU, ALEXANDRE D., US
[72] OLANIYAN, TUNDE ABIODUN, US
[72] ENGLAND, LEONARD JOSEPH, US
[72] WILKERSON, RANDALL DOW, US
[72] WESTBERG, ROBIN L., US
[73] THE BOEING COMPANY,
[86] (2993697)
[87] (2993697)
[22] 2015-03-13
[62] 2,884,995
[30] US (14/278,292) 2014-05-15

[11] **2,994,185**
[13] C

[51] **Int.Cl. F04D 15/00 (2006.01) F04D 27/02 (2006.01) F17D 1/14 (2006.01)**
[25] EN
[54] **BATCH CHANGE CONTROL FOR VARIABLE SPEED DRIVEN CENTRIFUGAL PUMPS AND PUMP SYSTEMS**
[54] **COMMANDE DE CHANGEMENT DE LOT POUR POMPES CENTRIFUGES A VITESSE VARIABLE ET SYSTEMES DE POMPAGE**
[72] FOWLER, EDWARD A., US
[72] KLOPPNER, GERD, DE
[72] RHOTE-VANEY, RAPHAEL, US
[72] SEENIRAJ, GANESH KUMAR, US
[73] SIEMENS AKTIENGESELLSCHAFT,
[85] 2018-01-29
[86] 2016-07-25 (PCT/US2016/043845)
[87] (WO2017/023596)
[30] US (14/814,978) 2015-07-31

[11] **2,994,191**
[13] C

[51] **Int.Cl. F16L 55/46 (2006.01)**
[25] EN
[54] **DEVICE FOR LOADING AND UNLOADING A PIG INTO OR OUT OF A PIPELINE**
[54] **DISPOSITIF D'INTRODUCTION D'UN RACLEUR DANS UNE CANALISATION ET D'EXTRACTION D'UN RACLEUR D'UNE CANALISATION**
[72] FILIPPOVITCH, SERGEI, CA
[73] ROSEN SWISS AG,
[85] 2018-01-30
[86] 2016-07-14 (PCT/EP2016/001227)
[87] (WO2017/020991)
[30] DE (10 2015 112 658.3) 2015-07-31

[11] **2,994,839**
[13] C

[51] **Int.Cl. F04D 13/02 (2006.01) F04D 3/00 (2006.01) F04D 3/02 (2006.01) F04D 13/06 (2006.01) F04D 29/04 (2006.01) F04D 29/048 (2006.01)**
[25] EN
[54] **MAGNETIC DRIVE, SEAL-LESS PUMP**
[54] **POMPE SANS JOINT D'ETANCHEITE A ENTRAINEMENT MAGNETIQUE**
[72] SPICER, WADE, US
[72] WOODS, CHARLES, US
[72] WOODS, CHARLES, US
[73] SPICER, WADE,
[73] WOODS, CHARLES,
[85] 2018-02-05
[86] 2016-08-05 (PCT/US2016/045711)
[87] (WO2017/024203)
[30] US (62/201,367) 2015-08-05

[11] **2,995,259**
[13] C

[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/02 (2012.01) E21C 33/00 (2006.01) E21C 41/00 (2006.01) E21C 41/16 (2006.01)**
[25] EN
[54] **VEHICULAR TRAFFIC GUIDANCE AND COORDINATION SYSTEM AND METHOD BASED ON TASK ALLOCATIONS**
[54] **SYSTEME ET PROCEDE DE GUIDAGE ET DE COORDINATION DE LA CIRCULATION DES VEHICULES ET PROCEDE FONDE SUR L'ALLOCATION DES TACHES**
[72] LIAO, HONGWEI, US
[72] CASTILLO-EFFEN, MAURICIO, US
[72] NIELSEN, MATTHEW CHRISTIAN, US
[73] GE GLOBAL SOURCING LLC,
[86] (2995259)
[87] (2995259)
[22] 2015-12-03
[62] 2,913,927
[30] US (14/564,706) 2014-12-09

[11] **2,995,281**
[13] C

[51] **Int.Cl. A61B 10/02 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **DEVICE FOR NEEDLE BIOPSY WITH INTEGRATED NEEDLE PROTECTION**
[54] **DISPOSITIF POUR UNE BIOPSIE PAR AIGUILLE AVEC PROTECTION D'AIGUILLE INTEGREE**
[72] MUGAN, JOHN, IE
[72] MURPHY, BRIAN, IE
[72] MCWEENEY, JOHN, US
[73] COVIDIEN LP,
[86] (2995281)
[87] (2995281)
[22] 2009-11-24
[62] 2,744,612
[30] US (61/117,966) 2008-11-26
[30] US (61/152,746) 2009-02-16
[30] US (12/607,636) 2009-10-28

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,995,540**
[13] C

[51] **Int.Cl. C01B 17/765 (2006.01) C01B 17/79 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR PRODUCING SULFURIC ACID**
[54] **PROCEDE ET DISPOSITIF DE PREPARATION D'ACIDE SULFURIQUE**
[72] THIELERT, HOLGER, DE
[72] GUETTA, ZION, DE
[73] THYSSENKRUPP INDUSTRIAL SOLUTIONS AG,
[73] THYSSENKRUPP AG,
[85] 2018-02-13
[86] 2016-09-01 (PCT/EP2016/070605)
[87] (WO2017/037167)
[30] DE (10 2015 114 871.4) 2015-09-04

[11] **2,995,541**
[13] C

[51] **Int.Cl. B01J 8/04 (2006.01) C01B 17/765 (2006.01) C01B 17/80 (2006.01)**
[25] EN
[54] **CATALYTIC REACTOR**
[54] **REACTEUR CATALYTIQUE**
[72] THIELERT, HOLGER, DE
[72] GUETTA, ZION, DE
[73] THYSSENKRUPP INDUSTRIAL SOLUTIONS AG,
[73] THYSSENKRUPP AG,
[85] 2018-02-13
[86] 2016-09-01 (PCT/EP2016/070630)
[87] (WO2017/037183)
[30] DE (10 2015 114 885.4) 2015-09-04

[11] **2,995,685**
[13] C

[51] **Int.Cl. E21B 47/00 (2012.01) E21B 33/12 (2006.01) E21B 47/06 (2012.01) G01V 11/00 (2006.01)**
[25] EN
[54] **DEGRADABLE ISOLATION DEVICES WITH DATA RECORDERS**
[54] **DISPOSITIFS D'ISOLATION DEGRADABLES A ENREGISTREURS DE DONNEES**
[72] FRIPP, MICHAEL LINLEY, US
[72] BROOME, JOHN TODD, US
[72] WALTON, ZACHARY WILLIAM, US
[73] HALLIBURTON ENERGY SERVICES, INC.,
[85] 2018-02-14
[86] 2015-10-28 (PCT/US2015/057867)
[87] (WO2017/074365)

[11] **2,995,727**
[13] C

[51] **Int.Cl. H04B 1/525 (2015.01)**
[25] EN
[54] **FILTERING APPARATUS AND METHOD FOR MULTIBAND RADIO**
[54] **APPAREIL ET PROCEDE DE FILTRAGE POUR RADIO MULTIBANDE**
[72] ANDERSON, HENRY W., US
[72] MOSHER, TIMOTHY S., US
[73] MOTOROLA SOLUTIONS, INC.,
[85] 2018-02-14
[86] 2016-08-25 (PCT/US2016/048625)
[87] (WO2017/040193)
[30] US (14/839,189) 2015-08-28

[11] **2,995,792**
[13] C

[51] **Int.Cl. B61F 5/12 (2006.01) B61F 5/06 (2006.01)**
[25] EN
[54] **RAILWAY CAR TRUCK FRICTION SHOE**
[54] **SABOT DE FRICTION DESTINE A UN WAGON**
[72] COSEGLIA, JOHN, US
[73] AMSTED RAIL COMPANY, INC.,
[86] (2995792)
[87] (2995792)
[22] 2018-02-21
[30] US (15/453,515) 2017-03-08

[11] **2,995,946**
[13] C

[51] **Int.Cl. E21B 47/022 (2012.01) G01V 3/18 (2006.01) G01V 3/20 (2006.01)**
[25] EN
[54] **MAGNETIC FIELD GRADIENT SENSOR CALIBRATION**
[54] **ETALONNAGE DE CAPTEUR DE GRADIENT DE CHAMP MAGNETIQUE**
[72] TANG, YUMEI, US
[72] WU, HSU-HSIANG, US
[73] HALLIBURTON ENERGY SERVICES, INC.,
[85] 2018-02-16
[86] 2015-10-12 (PCT/US2015/055122)
[87] (WO2017/065731)

[11] **2,996,238**
[13] C

[51] **Int.Cl. G01N 30/06 (2006.01) G01N 1/40 (2006.01) G01N 30/30 (2006.01) G01N 30/32 (2006.01)**
[25] EN
[54] **POST-PROBE UPSTREAM METERING PUMP FOR INSURING NGL PHASE CHANGE COMPLETION IN SAMPLE CONDITIONING**
[54] **POMPE DOSEUSE EN AMONT POST-SONDE POUR GARANTIR L'EXECUTION D'UN CHANGEMENT DE PHASE LIQUIDE DE GNL DANS LE CONDITIONNEMENT D'ECHANTILLON**
[72] CURTIS, MICAH A., US
[73] MUSTANG SAMPLING, LLC,
[85] 2018-02-20
[86] 2016-09-02 (PCT/US2016/050190)
[87] (WO2017/048539)
[30] US (62/220,550) 2015-09-18
[30] US (15/252,628) 2016-08-31

[11] **2,996,460**
[13] C

[51] **Int.Cl. H01L 29/778 (2006.01) G01N 27/414 (2006.01) H01L 21/336 (2006.01) H01L 29/16 (2006.01) H01L 31/028 (2006.01) H01L 31/0352 (2006.01) H01L 31/113 (2006.01)**
[25] EN
[54] **A METHOD FOR FORMING APPARATUS COMPRISING TWO DIMENSIONAL MATERIAL**
[54] **PROCEDE DE FORMATION D'APPAREIL COMPRENANT UN MATERIAU EN DEUX DIMENSIONS**
[72] ROBINSON, ADAM, GB
[72] COTTON, DARRYL, GB
[72] BESSONOV, ALEXANDER, GB
[72] WHITE, RICHARD, GB
[72] LIU, YINGLIN, GB
[73] EMBERION OY,
[85] 2018-02-23
[86] 2016-08-25 (PCT/EP2016/070124)
[87] (WO2017/032850)
[30] EP (15182390.3) 2015-08-25

**Canadian Patents Issued
March 24, 2020**

[11] **2,996,488**
[13] C

[51] **Int.Cl. B24C 1/00 (2006.01) B24C 7/00 (2006.01)**
[25] EN
[54] **DRY ICE CONTAINER FOR DRY ICE CLEANING DEVICES**
[54] **RICIPIENT DE GLACE SECHE POUR DISPOSITIFS DE NETTOYAGE A LA GLACE SECHE**
[72] BAKALA, L'UDOVIT, SK
[72] GABRIS, PETER, SK
[72] KUBIS, IVAN, SK
[73] ICS ICE CLEANING SYSTEMS S.R.O.,
[85] 2018-02-23
[86] 2016-08-29 (PCT/SK2016/050009)
[87] (WO2017/039548)
[30] SK (PP50047-2015) 2015-08-29

[11] **2,996,554**
[13] C

[51] **Int.Cl. E21B 43/16 (2006.01) C09K 8/584 (2006.01)**
[25] EN
[54] **METHOD OF IMPROVING MOBILITY OF HEAVY CRUDE OILS IN SUBTERRANEAN RESERVOIRS**
[54] **PROCEDE D'AMELIORATION DE LA MOBILITE DE PETROLES BRUTS LOURDS DANS DES RESERVOIRS SOUTERRAINS**
[72] QUINTERO, LIRIO, US
[72] MARCOS, JOSE, VE
[72] GOMEZ SERNA, GERMAN RODRIGO, US
[72] MESA, SEBASTIAN, CO
[72] TORO, CARLOS F., CO
[73] BAKER HUGHES, A GE COMPANY, LLC,
[85] 2018-02-23
[86] 2016-08-29 (PCT/US2016/049289)
[87] (WO2017/040412)
[30] US (62/212,779) 2015-09-01

[11] **2,996,898**
[13] C

[51] **Int.Cl. H01L 35/22 (2006.01) H01L 35/24 (2006.01) H01L 35/32 (2006.01) H01L 51/00 (2006.01) H01L 51/30 (2006.01)**
[25] EN
[54] **THERMOELECTRIC CONVERSION ELEMENT AND THERMOELECTRIC CONVERSION MODULE**
[54] **ELEMENT DE CONVERSION THERMOELECTRIQUE ET MODULE DE CONVERSION THERMOELECTRIQUE**
[72] NAKAYA, HIROAKI, JP
[73] NAKAYA, HIROAKI,
[85] 2018-02-26
[86] 2016-08-30 (PCT/JP2016/075355)
[87] (WO2017/038831)
[30] JP (2015-174755) 2015-09-04

[11] **2,996,919**
[13] C

[51] **Int.Cl. H01L 41/08 (2006.01) H01L 41/047 (2006.01) H01L 41/083 (2006.01) H03K 17/96 (2006.01)**
[25] EN
[54] **COMPONENT FOR PRODUCING ACTIVE HAPTIC FEEDBACK**
[54] **COMPOSANT POUR GENERER UNE RETROACTION HAPTIQUE ACTIVE**
[72] RINNER, FRANZ, AT
[73] TDK ELECTRONICS AG,
[85] 2018-02-28
[86] 2016-09-01 (PCT/EP2016/070638)
[87] (WO2017/060011)
[30] DE (10 2015 117 262.3) 2015-10-09

[11] **2,997,008**
[13] C

[51] **Int.Cl. G09F 3/03 (2006.01) G01R 11/24 (2006.01) G01R 22/00 (2006.01)**
[25] EN
[54] **GUARANTEE SEAL FOR NON-OPENING ELECTRICAL ENERGY CONSUMPTION METERS**
[54] **CACHET GARANTI DESTINE A DES COMPTEURS DE CONSOMMATION D'ENERGIE ELECTRIQUE NON OUVRABLES**
[72] ITURRIA AVALOS, DARIO, MX
[72] ITURRIA MACAZAGA, GUILLERMO, MX
[73] ITURRIA AVALOS, DARIO,
[85] 2018-02-28
[86] 2016-08-29 (PCT/MX2016/000089)
[87] (WO2017/039428)
[30] MX (MX/a/2015/011480) 2015-09-02
[30] MX (MX/a/2016/009940) 2016-07-29

[11] **2,997,051**
[13] C

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **NOVEL PYRAZOLO[3,4-D]PYRIMIDINE COMPOUND OR SALT THEREOF**
[54] **NOUVEAU COMPOSE PYRROLO[3,4-D]PYRIMIDINE OU SEL CORRESPONDANT**
[72] KAWAI, YUICHI, JP
[72] IRIE, HIROKI, JP
[72] SAGARA, TAKESHI, JP
[72] MIYADERA, KAZUTAKA, JP
[73] TAIHO PHARMACEUTICAL CO., LTD.,
[85] 2018-02-28
[86] 2016-08-31 (PCT/JP2016/075380)
[87] (WO2017/038838)
[30] JP (2015-172354) 2015-09-01

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,997,308**
[13] C

[51] **Int.Cl. C11B 1/04 (2006.01) C11B 1/10 (2006.01) C11B 3/00 (2006.01)**

[25] EN

[54] **METHOD FOR A COMBINED CELL DIGESTION AND EXTRACTION OF OIL-CONTAINING SEEDS**

[54] **PROCEDE DE DESAGREGATION CELLULAIRE COMBINEE A UNE EXTRACTION DE GRAINES OLEAGINEUSES**

[72] BORNER, GUNTER, DE

[72] BRODKORB, SEBASTIAN, DE

[72] PUFKY-HEINRICH, DANIELA, DR., DE

[72] FRANKE, SANDRA, DE

[72] POLAGE, SARAH, DE

[72] ZANG, MARCUS, DE

[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.,

[73] B+B ENGINEERING GMBH,

[85] 2018-03-02

[86] 2016-09-03 (PCT/DE2016/000337)

[87] (WO2017/041776)

[30] DE (10 2015 011 889.7) 2015-09-11

[11] **2,997,394**
[13] C

[51] **Int.Cl. C07H 15/00 (2006.01) C07C 15/107 (2006.01) C07H 3/04 (2006.01) C07K 1/14 (2006.01) G01N 1/28 (2006.01) G01N 33/68 (2006.01)**

[25] EN

[54] **NOVEL XYLENE-BASED AMPHIPHILIC COMPOUND AND USE THEREOF**

[54] **NOUVEAU COMPOSE AMPHIPATHIQUE A BASE DE XYLENE ET SON UTILISATION**

[72] CHAE, PIL SEOK, KR

[72] CHO, KYUNG HO, KR

[73] INDUSTRY-UNIVERSITY COOPERATION FOUNDATION HANYANG UNIVERSITY ERICA CAUS,

[85] 2018-03-02

[86] 2016-04-15 (PCT/KR2016/003929)

[87] (WO2017/039107)

[30] KR (10-2015-0124705) 2015-09-03

[30] KR (10-2016-0045394) 2016-04-14

[11] **2,997,512**
[13] C

[51] **Int.Cl. B63C 7/26 (2006.01) B63B 21/00 (2006.01) G01S 7/521 (2006.01)**

[25] EN

[54] **TOW BODY ARRANGEMENT FOR A TOWABLE DEVICE IN A SONAR SYSTEM**

[54] **AGENCEMENT DE CORPS DE REMORQUAGE POUR UN DISPOSITIF REMORQUABLE DANS UN SYSTEME SONAR**

[72] NAMS, JANIS, CA

[72] CUNNINGHAM, DAN, CA

[72] YEATMAN, PAUL, CA

[72] ARMSTRONG, BRUCE A., CA

[73] GEOSPECTRUM TECHNOLOGIES INC.,

[85] 2018-03-02

[86] 2016-09-02 (PCT/CA2016/051042)

[87] (WO2017/035660)

[30] CA (2,903,227) 2015-09-04

[11] **2,997,552**
[13] C

[51] **Int.Cl. A61B 1/227 (2006.01) A61B 5/01 (2006.01) A61B 5/024 (2006.01) A61B 5/1455 (2006.01) A61B 7/04 (2006.01)**

[25] EN

[54] **INTEGRATED MEDICAL DEVICE AND HOME BASED SYSTEM TO MEASURE AND REPORT VITAL PATIENT PHYSIOLOGICAL DATA VIA TELEMEDICINE**

[54] **DISPOSITIF MEDICAL INTEGRE ET SYSTEME DOMESTIQUE POUR MESURER ET RAPPORTER DES DONNEES PHYSIOLOGIQUES VITALES DE PATIENTS PAR TELEMEDICINE**

[72] ROSE, ROBERT HOWARD, US

[72] QAMAR, M. SAMIR, US

[73] MEDWAND SOLUTIONS, INC.,

[85] 2018-03-02

[86] 2016-09-08 (PCT/US2016/050794)

[87] (WO2017/044638)

[30] US (62/215,595) 2015-09-08

[11] **2,997,709**
[13] C

[51] **Int.Cl. E21B 43/17 (2006.01) C09K 8/62 (2006.01) E21B 43/26 (2006.01)**

[25] EN

[54] **ENHANCING PROPPED COMPLEX FRACTURE NETWORKS IN SUBTERRANEAN FORMATIONS**

[54] **AMELIORATION DE RESEAUX DE FRACTURES COMPLEXES A SOUTENEMENT DANS DES FORMATIONS SOUTERRAINES**

[72] NGUYEN, PHILIP D., US

[72] DUSTERHOFT, RONALD GLEN, US

[72] LAHMAN, MATTHEW LEWIS, US

[72] RUSSELL, AARON GENE, US

[73] HALLIBURTON ENERGY SERVICES, INC.,

[85] 2018-03-06

[86] 2015-10-22 (PCT/US2015/056873)

[87] (WO2017/069760)

[11] **2,997,712**
[13] C

[51] **Int.Cl. C25C 3/08 (2006.01)**

[25] EN

[54] **METHOD FOR LINING A CATHODE OF A REDUCTION CELL FOR PRODUCTION OF PRIMARY ALUMINUM**

[54] **PROCEDE DE REVETEMENT D'UNE CATHODE DE REDUCTION POUR LA PRODUCTION D'ALUMINIUM PRIMAIRE**

[72] PROSHKIN, ALEXANDR VLADIMIROVICH, RU

[72] PINGIN, VITALIJ VALER'EVICH, RU

[72] NAGIBIN, GENNADIJ EFIMOVICH, RU

[72] SBITNEV, ANDREJ GENNAD'EVICH, RU

[73] OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA SAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR",

[85] 2018-03-06

[86] 2016-12-30 (PCT/RU2016/000953)

[87] (WO2017/138843)

[30] RU (2016104190) 2016-02-09

**Canadian Patents Issued
March 24, 2020**

[11] **2,997,792**
[13] C

[51] **Int.Cl. B64F 1/28 (2006.01) B67D 7/04 (2010.01) H02M 3/315 (2006.01) H02P 6/04 (2016.01)**

[25] EN
[54] **SOLAR FUELING STATION**
[54] **STATION DE RAVITAILLEMENT EN CARBURANT SOLAIRE**

[72] SCHUSTER, LEON R., US
[72] NOVAK, JAMES M., US
[72] WATZKE, DONALD E., US
[72] NELSON, WILLIAM S., US
[73] FRANKLIN FUELING SYSTEMS, LLC,
[85] 2018-03-06
[86] 2016-09-30 (PCT/US2016/054894)
[87] (WO2017/059305)
[30] US (62/236,747) 2015-10-02
[30] US (62/316,911) 2016-04-01

[11] **2,997,970**
[13] C

[51] **Int.Cl. G06N 10/00 (2019.01) G06N 20/00 (2019.01)**

[25] EN
[54] **QUANTUM COMPUTING MACHINE LEARNING MODULE**
[54] **MODULE D'APPRENTISSAGE MACHINE INFORMATIQUE QUANTIQUE**

[72] DUKATZ, CARL MATTHEW, US
[72] GARRISON, DANIEL, US
[72] FORRESTER, LASCELLES, US
[72] HOLLENBECK, COREY, US
[73] ACCENTURE GLOBAL SOLUTIONS LIMITED,
[86] (2997970)
[87] (2997970)
[22] 2018-03-12
[30] US (15/491,852) 2017-04-19

[11] **2,997,984**
[13] C

[51] **Int.Cl. G06N 10/00 (2019.01) G06Q 10/04 (2012.01) G06N 20/00 (2019.01) G06F 17/10 (2006.01)**

[25] EN
[54] **MULTI-STATE QUANTUM OPTIMIZATION ENGINE**
[54] **MOTEUR A OPTIMISATION QUANTITATIVE MULTIETAT**

[72] GARRISON, DANIEL, GB
[72] FANO, ANDREW E., US
[72] WEICHENBERGER, JURGEN ALBERT, GB
[73] ACCENTURE GLOBAL SOLUTIONS LIMITED,
[86] (2997984)
[87] (2997984)
[22] 2018-03-12
[30] US (15/466,342) 2017-03-22

[11] **2,998,384**
[13] C

[51] **Int.Cl. B26D 1/36 (2006.01) A23N 15/00 (2006.01) B26D 1/00 (2006.01) B26D 1/40 (2006.01) B26D 5/06 (2006.01) B26D 7/01 (2006.01)**

[25] EN
[54] **SLICING MACHINES, KNIFE ASSEMBLIES, AND METHODS FOR SLICING PRODUCTS**
[54] **TRANCHEUSES, ENSEMBLES A LAME, ET PROCEDES DE DECOUPAGE EN TRANCHES DE PRODUITS**

[72] KING, DANIEL WADE, US
[73] URSCHER LABORATORIES, INC.,
[85] 2018-03-09
[86] 2016-09-26 (PCT/US2016/053677)
[87] (WO2017/053933)
[30] US (62/222,932) 2015-09-24
[30] US (15/275,361) 2016-09-24

[11] **2,998,653**
[13] C

[51] **Int.Cl. F16H 55/17 (2006.01) B64C 27/12 (2006.01) B64D 35/00 (2006.01) F16H 57/02 (2012.01)**

[25] FR
[54] **TOOTHED GEAR, GEAR DEVICE, POWER TRANSMISSION BOX AND AIRCRAFT WITH A ROTARY WING**
[54] **ROUE DENTEE D'UN ENGRENAGE, DISPOSITIF D'ENGRENAGE, BOITE DE TRANSMISSION DE PUISSANCE ET AERONEF AYANT UNE VOILURE TOURNANTE**

[72] GOUJET, DAMIEN, FR
[73] AIRBUS HELICOPTERS,
[86] (2998653)
[87] (2998653)
[22] 2018-03-20
[30] FR (1770395) 2017-04-18

[11] **2,999,434**
[13] C

[51] **Int.Cl. A47G 9/10 (2006.01)**

[25] EN
[54] **HOURLASS PILLOW WITH INTERNAL BAFFLE**
[54] **OREILLER EN FORME DE SABLIER A CLOISON INTERNE**

[72] HOLBROOK, RUSS, US
[72] GRAY, W. ALEXANDER, III, US
[73] STANDARD FIBER, LLC,
[85] 2018-03-21
[86] 2016-07-11 (PCT/US2016/041746)
[87] (WO2017/062081)
[30] US (14/878,117) 2015-10-08

**Brevets canadiens délivrés
24 mars 2020**

[11] **2,999,444**
[13] C

[51] **Int.Cl. E05F 3/04 (2006.01)**
[25] EN
[54] **DOOR CLOSER ASSEMBLY**
[54] **MECANISME DE FERMETURE DE PORTE**

[72] BURRIS, CHARLES, US
[72] TADLOCK, ROBERT, US
[72] WHITE, JOHN, US
[72] GURLEY, JASON, US
[72] FAES, STEVEN, US
[72] MCGINTY, JOSEPH, US
[72] PATTERSON, WADE, US
[73] YALE SECURITY INC.,
[86] (2999444)
[87] (2999444)
[22] 2011-04-15
[62] 2,796,183
[30] US (12/761,668) 2010-04-16
[30] US (12/761,653) 2010-04-16
[30] US (12/761,633) 2010-04-16
[30] US (12/761,609) 2010-04-16
[30] US (12/761,599) 2010-04-16
[30] US (12/761,589) 2010-04-16

[11] **2,999,550**
[13] C

[51] **Int.Cl. F24F 3/00 (2006.01) F24F 11/62 (2018.01)**
[25] EN
[54] **AIR-SOURCE HEAT PUMP AIR CONDITIONER**
[54] **CONDITIONNEUR D'AIR A POMPE A CHALEUR A AIR**

[72] KIMURA, KEIICHI, JP
[72] ISHIDA, TAKAYUKI, JP
[72] GOTO, KAZUYA, JP
[73] KIMURA KOHKI CO., LTD.,
[86] (2999550)
[87] (2999550)
[22] 2018-03-28
[30] JP (2017-87450) 2017-04-26

[11] **2,999,722**
[13] C

[51] **Int.Cl. B65D 51/18 (2006.01) A45D 34/00 (2006.01) A45D 40/00 (2006.01) B65D 43/02 (2006.01) B65D 51/32 (2006.01)**
[25] EN
[54] **MAGNETIC CLOSURE SYSTEM FOR A CONTAINER WITH A WAND-TYPE APPLICATOR AND WIPER**

[54] **SYSTEME DE FERMETURE MAGNETIQUE POUR UN CONTENANT DOTE D'UN APPLICATEUR DE TYPE TIGE ET D'UN RACLEUR**

[72] JACOB, CHRISTOPHE, FR
[72] BOUIX, HERVE, US
[73] ELC MANAGEMENT LLC,
[85] 2018-03-22
[86] 2016-08-30 (PCT/US2016/049381)
[87] (WO2017/053026)
[30] US (14/865,051) 2015-09-25

[11] **3,000,236**
[13] C

[51] **Int.Cl. F42D 1/05 (2006.01) F42C 11/00 (2006.01)**
[25] EN
[54] **WIRELESS DETONATOR**
[54] **DETONATEUR SANS FIL**

[72] VENTER, FRANCOIS, ZA
[72] MULLER, ELMAR LENNOX, ZA
[73] DETNET SOUTH AFRICA (PTY) LTD,
[85] 2018-03-27
[86] 2016-08-04 (PCT/ZA2016/050028)
[87] (WO2017/083885)
[30] ZA (2015/08238) 2015-11-09

[11] **3,000,803**
[13] C

[51] **Int.Cl. C07D 413/04 (2006.01) A01N 43/76 (2006.01) A01N 43/90 (2006.01) A01P 7/04 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/5025 (2006.01) A61P 33/00 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **OXIME GROUP-CONTAINING CONDENSED HETEROCYCLIC COMPOUND OR SALT THEREOF, AGRICULTURAL AND HORTICULTURAL INSECTICIDE COMPRISING THE COMPOUND, AND METHOD FOR USING THE INSECTICIDE**

[54] **COMPOSE HETEROCYCLIQUE CONDENSE CONTENANT UN GROUPE OXIME OU SES SELS, ET INSECTICIDE AGRICOLE ET HORTICOLE CONTENANT LEDIT COMPOSE ET SON PROCEDE D'UTILISATION**

[72] SANO, YUSUKE, JP
[72] YONEMURA, IKKI, JP
[72] MATSUO, SOICHIRO, JP
[72] SUWA, AKIYUKI, JP
[72] FUJIE, SHUNPEI, JP
[73] NIHON NOHYAKU CO., LTD.,
[85] 2018-04-03
[86] 2016-10-12 (PCT/JP2016/080274)
[87] (WO2017/065183)
[30] JP (2015-201937) 2015-10-13
[30] JP (2016-030466) 2016-02-19
[30] JP (2016-140926) 2016-07-15

[11] **3,000,930**
[13] C

[51] **Int.Cl. E05B 27/00 (2006.01) E05B 19/00 (2006.01)**
[25] EN
[54] **LOCK AND KEY ASSEMBLY**
[54] **ENSEMBLE DE VERROU ET DE CLE**

[72] KIM, JUNG-KYU, CN
[73] CX5 SECURITY SOLUTIONS INC.,
[86] (3000930)
[87] (3000930)
[22] 2018-04-11

**Canadian Patents Issued
March 24, 2020**

[11] **3,001,016**
[13] C

[51] **Int.Cl. B65D 5/46 (2006.01) B65D 5/10 (2006.01) B65D 5/30 (2006.01) B65D 71/48 (2006.01)**

[25] EN
[54] **CARTON WITH HANDLE**
[54] **CARTON DOTE DE POIGNEE**
[72] HOLLEY, JOHN MURDICK, JR., US
[73] GRAPHIC PACKAGING INTERNATIONAL, LLC,
[85] 2018-04-04
[86] 2016-11-18 (PCT/US2016/062691)
[87] (WO2017/087757)
[30] US (62/256,967) 2015-11-18

[11] **3,001,182**
[13] C

[51] **Int.Cl. A47L 13/24 (2006.01) A47L 13/16 (2006.01)**

[25] EN
[54] **MULTI-PURPOSE CLEANING IMPLEMENT**
[54] **OUTIL DE NETTOYAGE POLYVALENT**
[72] JAMES, ADRIAN BENTON, US
[72] WHITE, BRYAN THOMAS, US
[72] SHAWVER, MICHAEL JOSEPH, US
[72] VERBIEST, JAN HENDRIK MARIA, US
[72] PANKRATZ, VIRGINIA, US
[72] HOFTE, PAULUS ANTONIUS AUGUSTINUS, US
[73] THE PROCTER & GAMBLE COMPANY,
[86] (3001182)
[87] (3001182)
[22] 2004-09-03
[62] 2,931,655
[30] US (60/499,852) 2003-09-03
[30] US (60/562,000) 2004-04-13

[11] **3,001,663**
[13] C

[51] **Int.Cl. A43B 7/14 (2006.01) A43B 13/18 (2006.01) A43B 17/00 (2006.01)**

[25] EN
[54] **INSOLE FOR HIGH-HEELED FOOTWEAR**
[54] **PREMIERE DE PROPRETE POUR CHAUSSURE A TALON HAUT**
[72] HEDSTROEM, PETER, SE
[73] STINAA & J FASHION AB,
[85] 2018-04-11
[86] 2016-09-13 (PCT/SE2016/050852)
[87] (WO2017/065669)
[30] SE (1551319-5) 2015-10-13

[11] **3,001,787**
[13] C

[51] **Int.Cl. E21B 33/129 (2006.01) E21B 23/06 (2006.01) E21B 33/12 (2006.01) E21B 33/13 (2006.01) E21B 33/134 (2006.01)**

[25] EN
[54] **DOWNHOLE TOOL AND METHOD OF USE**
[54] **OUTIL DE FOND DE TROU ET METHODE D'UTILISATION**
[72] HOU, YANAN, US
[72] DAVIES, EVAN LLOYD, US
[72] AVILA, LUIS MIGUEL, US
[72] VANLUE, DUKE, US
[73] THE WELLBOSS COMPANY, LLC,
[85] 2018-05-23
[86] 2017-11-17 (PCT/US2017/062250)
[87] (WO2018/094184)
[30] US (62/423,620) 2016-11-17

[11] **3,002,261**
[13] C

[51] **Int.Cl. B63B 32/66 (2020.01) B63B 41/00 (2006.01)**

[25] EN
[54] **SURFBOARD STRUCTURE WITH FIN ASSEMBLY**
[54] **STRUCTURE DE PLANCHE DE SURF DOTE D'UN DISPOSITIF D'AILERON**
[72] YEH, TZONG IN, US
[73] AGIT GLOBAL IP HOLDINGS, LLC,
[86] (3002261)
[87] (3002261)
[22] 2018-04-20
[30] TW (106130572) 2017-09-07

[11] **3,002,292**
[13] C

[51] **Int.Cl. H01M 8/04089 (2016.01) H01M 8/04225 (2016.01) B60L 50/70 (2019.01)**

[25] EN
[54] **VEHICLE WITH FUEL CELL SYSTEM MOUNTED THEREON**
[54] **VEHICULE DOTE D'UN SYSTEME DE PILE A COMBUSTIBLE INSTALLE SUR LE VEHICULE**
[72] YOSHIDA, NAOHIRO, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA,
[86] (3002292)
[87] (3002292)
[22] 2018-04-20
[30] JP (2017-085956) 2017-04-25

[11] **3,002,463**
[13] C

[51] **Int.Cl. B65D 47/32 (2006.01) B65D 43/06 (2006.01) B65D 47/36 (2006.01)**

[25] EN
[54] **BEVERAGE LID FOR ENHANCED OLFACTORY EXPERIENCE**
[54] **COUVRACLE POUR BOISSON OFFRANT UNE EXPERIENCE OLFACTIVE AMELIOREE**
[72] BRANNOCK, SAMUEL LINCOLN, US
[73] HARL-BELLA HOLDINGS, LLC,
[86] (3002463)
[87] (3002463)
[22] 2014-08-08
[62] 2,954,254
[30] US (13/962,878) 2013-08-08

[11] **3,002,825**
[13] C

[51] **Int.Cl. E01H 1/04 (2006.01)**

[25] EN
[54] **SWEEPING MACHINE HAVING IMPROVED SURFACE SEAL**
[54] **MACHINE DE BALAYAGE AYANT UN JOINT DE SURFACE AMELIORE**
[72] PETTY, CHRIS, US
[72] MICHAELS, BRENT, US
[73] ROADTEC, INC.,
[85] 2018-04-19
[86] 2016-11-21 (PCT/US2016/063080)
[87] (WO2017/091503)
[30] US (62/259,168) 2015-11-24

[11] **3,003,254**
[13] C

[51] **Int.Cl. B65B 31/02 (2006.01) B65B 61/18 (2006.01)**

[25] EN
[54] **VACUUM PACKAGING DEVICE**
[54] **DISPOSITIF D'EMBALLAGE SOUS VIDE**
[72] KIM, KUM-JA, KR
[73] ROLLPACK. CO., LTD.,
[85] 2018-04-25
[86] 2016-10-26 (PCT/KR2016/012047)
[87] (WO2017/073998)
[30] KR (10-2015-0148765) 2015-10-26

**Brevets canadiens délivrés
24 mars 2020**

[11] **3,003,256**
[13] C

[51] **Int.Cl. B65B 31/02 (2006.01)**
[25] EN
[54] **VACUUM DEVICE**
[54] **DISPOSITIF A VIDE**
[72] KIM, KUM-JA, KR
[73] ROLLPACK. CO., LTD.,
[85] 2018-04-25
[86] 2016-10-26 (PCT/KR2016/012048)
[87] (WO2017/073999)
[30] KR (10-2015-0148766) 2015-10-26

[11] **3,003,320**
[13] C

[51] **Int.Cl. A47C 3/029 (2006.01) A47C 9/02 (2006.01) A47C 31/12 (2006.01)**
[25] FR
[54] **METHOD TO ASSIST WITH USING A SEATING DEVICE, AND ELECTRONIC OBJECT IMPLEMENTING SAID ASSOCIATED METHOD AND SYSTEM**
[54] **PROCEDE D'AIDE A L'UTILISATION D'UN DISPOSITIF D'ASSISE, OBJET ELECTRONIQUE METTANT EN OEUVRE LEDIT PROCEDE ET SYSTEME ASSOCIES**
[72] HUGOU, OLIVIER, FR
[72] COLAS, GUILBAUT, FR
[73] ACTIVE BASE,
[85] 2018-04-26
[86] 2016-10-26 (PCT/EP2016/075867)
[87] (WO2017/072199)
[30] US (14/923,122) 2015-10-26

[11] **3,003,657**
[13] C

[51] **Int.Cl. E04B 1/41 (2006.01) E04B 1/35 (2006.01) E04C 5/12 (2006.01)**
[25] EN
[54] **EMBEDDED CONCRETE ANCHOR SYSTEM**
[54] **SYSTEME D'ANCRAGE EN BETON INCORPORE**
[72] JABLONSKY, DAVID S., US
[72] FLECK, GREG, US
[73] A.L. PATTERSON, INC.,
[85] 2018-04-27
[86] 2016-10-28 (PCT/US2016/059293)
[87] (WO2017/075332)
[30] US (62/248,261) 2015-10-29

[11] **3,004,233**
[13] C

[51] **Int.Cl. B29C 70/30 (2006.01) B29C 70/14 (2006.01)**
[25] EN
[54] **FORMING COMPOSITE FEATURES USING STEERED DISCONTINUOUS FIBER PRE-PREG**
[54] **FORMATION D'ELEMENTS COMPOSITES A L'AIDE D'UN PRE-IMPREGNE A FIBRES DISCONTINUES ORIENTEES**
[72] GRIESS, KENNETH H., US
[72] VETTER, DEREK P., US
[72] GRAVES, MICHAEL J., US
[73] THE BOEING COMPANY,
[86] (3004233)
[87] (3004233)
[22] 2014-02-14
[62] 2,898,224
[30] US (13/789,965) 2013-03-08

[11] **3,004,427**
[13] C

[51] **Int.Cl. E21B 7/02 (2006.01) E21B 15/00 (2006.01)**
[25] EN
[54] **MULTI-DIRECTION TRAVERSABLE DRILLING RIG**
[54] **APPAREIL DE FORAGE TRAVERSABLE MULTI-DIRECTION**
[72] GUPTA, ASHISH, US
[72] ABARCA, ENRIQUE, US
[73] NABORS DRILLING TECHNOLOGIES USA, INC.,
[86] (3004427)
[87] (3004427)
[22] 2018-05-08
[30] US (15/970,608) 2018-05-03

[11] **3,004,565**
[13] C

[51] **Int.Cl. C07D 231/14 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF 3-HALOALKYLPYRAZOLES**
[54] **PROCEDES DE PREPARATION D'HALOALKYLPYRAZOLES**
[72] WANG, LINHUA, US
[72] SHETH, RITESH BHARAT, US
[73] SYNGENTA PARTICIPATIONS AG,
[86] (3004565)
[87] (3004565)
[22] 2011-08-03
[62] 2,806,436
[30] US (61/372,122) 2010-08-10

[11] **3,004,615**
[13] C

[51] **Int.Cl. A61K 9/46 (2006.01) A61K 9/00 (2006.01) A61K 9/48 (2006.01)**
[25] EN
[54] **GASTRIC RETENTION ACTIVE DELIVERY SYSTEMS**
[54] **SYSTEMES D'ADMINISTRATION ACTIFS A RETENTION GASTRIQUE**
[72] ENGEL, ANDREA, DE
[72] GOTTSTEIN, THOMAS, DE
[72] LIEFKE, MELANIE, DE
[73] EVONIK OPERATIONS GMBH,
[85] 2018-05-08
[86] 2016-10-27 (PCT/EP2016/075872)
[87] (WO2017/080833)
[30] EP (15193887.5) 2015-11-10

[11] **3,005,645**
[13] C

[51] **Int.Cl. E21B 47/12 (2012.01) E21B 47/14 (2006.01)**
[25] EN
[54] **COMMUNICATION SYSTEM FOR SEQUENTIAL LINER HANGER SETTING, RELEASE FROM A RUNNING TOOL AND SETTING A LINER TOP PACKER**
[54] **SYSTEME DE COMMUNICATION POUR REGLAGE DE SUSPENSION DE COLONNE PERDUE SEQUENTIEL, DECHARGE D'OUTIL EN FONCTIONNEMENT, ET REGLAGE DE GARNITURE SUPERIEURE DE COLONNE PERDUE**
[72] HALFMAN, ERIC, US
[72] MUNSHI, AMMAR A., US
[72] O'CONNOR, KEVEN, US
[72] PALAKAPILLY, BASIL J., US
[73] BAKER HUGHES, A GE COMPANY, LLC,
[85] 2018-05-16
[86] 2016-11-16 (PCT/US2016/062264)
[87] (WO2017/087513)
[30] US (14/943,838) 2015-11-17

**Canadian Patents Issued
March 24, 2020**

[11] **3,005,848**
[13] C

[51] **Int.Cl. A61F 2/24 (2006.01) A61B 17/04 (2006.01) A61B 17/064 (2006.01) A61B 17/068 (2006.01)**

[25] EN

[54] **HEART VALVE REPAIR AND REPLACEMENT**

[54] **REPARATION ET REMPLACEMENT D'UNE VALVULE CARDIAQUE**

[72] ALON, DAVID, IL

[73] ALON, DAVID,

[86] (3005848)

[87] (3005848)

[22] 2014-06-03

[62] 2,914,408

[30] US (61/831632) 2013-06-06

[11] **3,006,181**
[13] C

[51] **Int.Cl. E21B 33/12 (2006.01) C22C 21/00 (2006.01) E21B 23/06 (2006.01)**

[25] EN

[54] **GALVANIC DEGRADABLE DOWNHOLE TOOLS COMPRISING DOPED ALUMINUM ALLOYS**

[54] **OUTILS DE FOND DE TROU DEGRADABLES DE FACON GALVANIQUE COMPRENANT DES ALLIAGES D'ALUMINIUM DOPES**

[72] FRIPP, MICHAEL LINLEY, US

[72] WALTON, ZACHARY WILLIAM, US

[73] HALLIBURTON ENERGY SERVICES, INC.,

[85] 2018-05-23

[86] 2016-02-02 (PCT/US2016/016195)

[87] (WO2017/135934)

[11] **3,006,650**
[13] C

[51] **Int.Cl. B29D 22/00 (2006.01) B29C 70/24 (2006.01)**

[25] EN

[54] **METHOD OF MANUFACTURING TANK**

[54] **METHODE DE FABRICATION DE RESERVOIR**

[72] MORI, DAIGORO, JP

[73] TOYOTA JIDOSHA KABUSHIKI KAISHA,

[86] (3006650)

[87] (3006650)

[22] 2018-05-30

[30] JP (2017-111371) 2017-06-06

[11] **3,007,326**
[13] C

[51] **Int.Cl. F16J 15/10 (2006.01) H01M 8/0271 (2016.01) B29C 45/14 (2006.01) F16J 15/00 (2006.01)**

[25] EN

[54] **GASKET, METHOD FOR PRODUCING SAME, AND METHOD FOR HANDLING SAME**

[54] **JOINT D'ETANCHEITE, SON PROCEDE DE PRODUCTION, ET SON PROCEDE DE MANIPULATION**

[72] YUI, HAJIME, JP

[72] OBA, KENICHI, JP

[72] NISHIMURA, TAKURO, JP

[73] NOK CORPORATION,

[85] 2018-06-04

[86] 2016-12-19 (PCT/JP2016/087748)

[87] (WO2017/110730)

[30] JP (2015-251695) 2015-12-24

[11] **3,007,604**
[13] C

[51] **Int.Cl. A47K 11/00 (2006.01) E03D 9/04 (2006.01) E03D 11/11 (2006.01)**

[25] FR

[54] **SYSTEME DE TOILETTE SANS EAU A CHASSE HYGIENIQUE, ET METHODE**

[54] **HYGIENIC FLUSH & WATERLESS TOILETS SYSTEM AND METHOD**

[72] DERENONCOURT, FRANCK, CA

[73] DERENONCOURT, FRANCK,

[86] (3007604)

[87] (3007604)

[22] 2018-06-07

[30] CA (2969969) 2017-06-14

[11] **3,007,859**
[13] C

[51] **Int.Cl. A23L 19/20 (2016.01) A23L 19/12 (2016.01) A23L 19/18 (2016.01) A23B 7/02 (2006.01) G01N 33/10 (2006.01)**

[25] EN

[54] **METHOD FOR THE PREPARATION OF PICKLED POTATO STRINGS**

[54] **PROCEDE DE PREPARATION DE BATONNETS DE POMME DE TERRE MARINES**

[72] VAN DOORN, JOHANNES ELISABERT, NL

[73] HZPC HOLLAND B.V.,

[86] (3007859)

[87] (3007859)

[22] 2016-07-05

[62] 2,991,870

[30] NL (2015152) 2015-07-10

[30] NL (2015154) 2015-07-10

[11] **3,008,072**
[13] C

[51] **Int.Cl. B23K 26/362 (2014.01) B23K 26/322 (2014.01) B23K 26/26 (2014.01)**

[25] FR

[54] **METHOD FOR PRODUCING A PRE-COATED METAL SHEET, WITH REMOVAL OF THE COATING BY MEANS OF AN INCLINED LASER BEAM, AND CORRESPONDING METAL SHEET**

[54] **PROCEDE DE PREPARATION D'UNE TOLE PRE-RETVETUE, AVEC ENLEVEMENT DU REVETEMENT A L'AIDE D'UN FAISCEAU LASER INCLINE; TOLE CORRESPONDANTE**

[72] EHLING, WOLFRAM, BE

[73] ARCELORMITTAL,

[85] 2018-06-11

[86] 2016-12-22 (PCT/EP2016/082412)

[87] (WO2017/109090)

[30] IB (PCT/IB2015/059889) 2015-12-22

**Brevets canadiens délivrés
24 mars 2020**

[11] **3,008,224**
[13] C

[51] **Int.Cl. A61F 13/42 (2006.01) A61B 5/20 (2006.01) A61F 13/84 (2006.01)**

[25] EN

[54] **WEARABLE ABSORBENT ARTICLE**

[54] **ARTICLE ABSORBANT PORTABLE**

[72] CARNEY, JOSHUA DANIEL, SE

[72] SCHVETZ, YOSSEF, IT

[72] OZSUMER, SERDAR, IT

[72] LOCATI, ALESSANDRO, IT

[72] TRAMONTANA, MANUEL, IT

[73] ESSITY HYGIENE AND HEALTH AKTIEBOLAG,

[85] 2018-06-12

[86] 2015-12-22 (PCT/EP2015/081036)

[87] (WO2017/108109)

[11] **3,008,417**
[13] C

[51] **Int.Cl. B65D 5/43 (2006.01) B65D 5/38 (2006.01) B65D 6/06 (2006.01) B65D 75/36 (2006.01) B65D 77/04 (2006.01)**

[25] EN

[54] **A PACKAGE AND A SLIDE FOR SUCH A PACKAGE**

[54] **UN EMBALLAGE ET UNE COULISSE DESTINEE A UN TEL EMBALLAGE**

[72] HEYNEN, IWAN, NL

[73] ECOBLISS HOLDING B.V.,

[86] (3008417)

[87] (3008417)

[22] 2018-06-14

[11] **3,008,668**
[13] C

[51] **Int.Cl. A61F 2/08 (2006.01) A61B 17/064 (2006.01)**

[25] EN

[54] **MEDICAL IMPLANT DELIVERY SYSTEM AND RELATED METHODS**

[54] **SYSTEME DE POSE D'IMPLANT MEDICAL ET PROCEDES ASSOCIES**

[72] ZENZ-OLSON, NATHANIEL, US

[72] TRAN, NATHANIEL, US

[73] ROTATION MEDICAL, INC.,

[85] 2018-06-14

[86] 2016-12-29 (PCT/US2016/069261)

[87] (WO2017/117415)

[30] US (62/273,864) 2015-12-31

[30] US (62/404,843) 2016-10-06

[11] **3,008,847**
[13] C

[51] **Int.Cl. B65D 33/25 (2006.01) B65D 33/00 (2006.01) B65D 50/00 (2006.01)**

[25] EN

[54] **CHILD RESISTANT SEALING SYSTEM**

[54] **SYSTEME D'ETANCHEITE RESISTANT AUX ENFANTS**

[72] KIRSH, ROSS, US

[73] QUARK DISTRIBUTION, INC.,

[85] 2018-06-19

[86] 2018-04-23 (PCT/IB2018/052817)

[87] (WO2018/154545)

[11] **3,009,396**
[13] C

[51] **Int.Cl. A61M 25/00 (2006.01) A61M 5/14 (2006.01) A61M 39/10 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR IMPROVING CATHETER HOLE ARRAY EFFICIENCY**

[54] **SYSTEMES ET PROCEDES D'AMELIORATION D'EFFICACITE D'UN ENSEMBLE D'ORIFICES DE CATHETER**

[72] ADAMS, CHAD M., US

[72] BURKHOLZ, JONATHAN KARL, US

[72] MCKINNON, AUSTIN JASON, US

[73] BECTON, DICKINSON AND COMPANY,

[86] (3009396)

[87] (3009396)

[22] 2011-09-30

[62] 2,813,227

[30] US (61/388,646) 2010-10-01

[30] US (13/248,483) 2011-09-29

[11] **3,010,058**
[13] C

[51] **Int.Cl. B25J 5/00 (2006.01) B64F 5/10 (2017.01) B25J 15/04 (2006.01) B66F 11/00 (2006.01)**

[25] EN

[54] **MOBILE AUTOMATED ASSEMBLY TOOL FOR AIRCRAFT STRUCTURES**

[54] **OUTIL D'ASSEMBLAGE AUTOMATISE MOBILE POUR STRUCTURES D'AERONEF**

[72] REID, ERIC M., US

[72] JONES, DARELL DARWIN, US

[72] MUNK, CLAYTON LYNN, US

[72] BEST, STEVEN A., US

[72] DESJARDIEN, MATTHEW RAY, US

[72] CRESPO, CARLOS, US

[73] THE BOEING COMPANY,

[86] (3010058)

[87] (3010058)

[22] 2015-02-23

[62] 2,883,046

[30] US (61/986,756) 2014-04-30

[30] US (14/558,859) 2014-12-03

[11] **3,010,531**
[13] C

[51] **Int.Cl. E21B 47/00 (2012.01) G06T 17/05 (2011.01) E21B 43/25 (2006.01) G06F 9/455 (2018.01) G06G 7/48 (2006.01)**

[25] EN

[54] **CLASSIFICATION AND REGRESSION TREE ANALYSIS OF FORMATION REALIZATIONS**

[54] **ANALYSE DISCRIMINANTE PAR ARBRE DE DECISION BINAIRE DE REALISATIONS DE FORMATION**

[72] FEL, JIN, US

[72] YARUS, JEFFREY MARC, US

[72] CHAMBERS, RICHARD L., US

[72] WU, SHAOLONG, US

[73] LANDMARK GRAPHICS CORPORATION,

[85] 2018-07-03

[86] 2016-02-05 (PCT/US2016/016787)

[87] (WO2017/135969)

**Canadian Patents Issued
March 24, 2020**

[11] **3,010,820**
[13] C

[51] **Int.Cl. A63B 71/06 (2006.01) G06F 17/40 (2006.01) H04L 7/00 (2006.01)**
[25] EN
[54] **SPORT PERFORMANCE TESTING AND TRAINING SYSTEMS, DEVICES AND METHODS**
[54] **MECANISMES D'EVALUATION ET D'ENTRAINEMENT DE PERFORMANCE SPORTIVE, DISPOSITIFS ET METHODES**
[72] HOLLINS, JAMIE LEE, CA
[72] HOLLINS, JONATHON GALE, CA
[72] CIANCIUSI, RENATO, CA
[72] ELBI, OMER, CA
[72] SINGH, GAGANDEEP, CA
[72] COOPER, MARTIN, CA
[72] TURKVAN, HALUK, CA
[73] SPORT TESTING INC.,
[86] (3010820)
[87] (3010820)
[22] 2015-01-30
[62] 2,880,538

[11] **3,011,052**
[13] C

[51] **Int.Cl. B26D 1/143 (2006.01) B26D 7/01 (2006.01) B26D 7/18 (2006.01)**
[25] EN
[54] **ROTARY DIE-CUTTER FOR CUTTING A PIECE OF MATERIAL OUT OF A PRINTING MATERIAL**
[54] **POINCON ROTATIF DESTINE A DECOUPER UNE PIECE DE MATERIAU D'UN MATERIAU D'IMPRESSIION**
[72] KUNDGEN, ROLF, DE
[72] GRITTMANN, ROLF, DE
[72] DOLEY, PHILIPP, DE
[72] KRETH, BENJAMIN, DE
[72] HILLER, REINHOLD, DE
[73] HEIDELBERGER DRUCKMASCHINEN AG,
[86] (3011052)
[87] (3011052)
[22] 2018-07-11
[30] DE (102017213389.9) 2017-08-02

[11] **3,011,596**
[13] C

[51] **Int.Cl. G06Q 10/10 (2012.01) G06F 21/62 (2013.01) G06F 7/00 (2006.01) H04L 12/58 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR A NON-REVEALING DO-NOT-CONTACT LIST SYSTEM**
[54] **PROCEDE ET APPAREIL DESTINES A UN SYSTEME DE LISTE DE NUMEROS INTERDITS A NE PAS DIVULGUER**
[72] PRINCE, MATTHEW B., US
[73] UNSPAM, LLC,
[86] (3011596)
[87] (3011596)
[22] 2004-01-09
[62] 2,514,122
[30] US (60/442,273) 2003-01-23
[30] US (10/671,119) 2003-09-24

[11] **3,012,142**
[13] C

[51] **Int.Cl. F16J 12/00 (2006.01) B01F 1/00 (2006.01) F16L 55/07 (2006.01) F22B 1/30 (2006.01) F22B 37/00 (2006.01) F24F 6/18 (2006.01) F24F 13/00 (2006.01) F24F 13/32 (2006.01)**
[25] EN
[54] **FIELD REPLACEABLE FLUID ELEMENT METHODS AND SYSTEMS FOR FLUIDIC PROCESSORS**
[54] **METHODES ET SYSTEMES D'ELEMENT FLUIDE REMPLACABLE SUR PLACE DESTINES A DES PROCESSEURS FLUIDIQUES**
[72] ELMAN, DMITRY, CA
[72] LOTFI, SHAHRAM, CA
[73] CONDAIR LTD.,
[86] (3012142)
[87] (3012142)
[22] 2018-07-23
[30] US (62/536,537) 2017-07-25

[11] **3,012,331**
[13] C

[51] **Int.Cl. E21B 41/00 (2006.01) B01F 15/02 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **MOBILE, MODULAR, ELECTRICALLY POWERED SYSTEM FOR USE IN FRACTURING UNDERGROUND FORMATIONS**
[54] **SYSTEME ELECTRIQUE MOBILE ET MODULAIRE UTILISE POUR FRACTURER DES FORMATIONS SOUTERRAINES**
[72] COLI, TODD, CA
[72] SCHELDSKE, ELDON, CA
[73] EVOLUTION WELL SERVICES, LLC,
[86] (3012331)
[87] (3012331)
[22] 2012-04-10
[62] 2,900,387
[30] US (61/472,861) 2011-04-07

[11] **3,012,400**
[13] C

[51] **Int.Cl. B61B 12/02 (2006.01) F16H 1/30 (2006.01)**
[25] EN
[54] **APPARATUS FOR MOVING ROPEWAY VEHICLES IN A ROPEWAY SYSTEM**
[54] **DISPOSITIF DE CIRCULATION DES VEHICULES TELEPHERIQUES DANS UNE INSTALLATION DE TELEPHERIQUE**
[72] MORITZHUBER, JOHANNES, AT
[73] INNOVA PATENT GMBH,
[85] 2018-07-24
[86] 2016-11-17 (PCT/EP2016/078073)
[87] (WO2017/140389)
[30] AT (A 85/2016) 2016-02-18

**Brevets canadiens délivrés
24 mars 2020**

[11] **3,012,493**
[13] C

- [51] **Int.Cl. E06B 9/60 (2006.01) E06B 9/24 (2006.01) E06B 9/322 (2006.01)**
[25] EN
[54] **WINDOW SHADE AND ACTUATING SYSTEM THEREOF**
[54] **STORE DE FENETRE ET SON SYSTEME D'ACTIONNEMENT**
[72] HUANG, CHIN-TIEN, TW
[72] HUANG, CHIEN-LAN, TW
[73] TEH YOR CO., LTD.,
[85] 2018-07-24
[86] 2017-09-18 (PCT/US2017/051991)
[87] (WO2018/053390)
[30] TW (105130221) 2016-09-19

[11] **3,012,523**
[13] C

- [51] **Int.Cl. H02G 3/06 (2006.01)**
[25] EN
[54] **CONDUIT FITTING FOR WET LOCATIONS**
[54] **RACCORD DE CONDUIT DESTINE A DES EMPLACEMENTS MOUILLES**
[72] SHEMTOV, SAMI, US
[72] DALISAY, GEORGE, US
[73] ATKORE STEEL COMPONENTS, INC.,
[86] (3012523)
[87] (3012523)
[22] 2018-07-26
[30] US (15/665,490) 2017-08-01

[11] **3,012,935**
[13] C

- [51] **Int.Cl. E06B 3/663 (2006.01) E06B 3/66 (2006.01)**
[25] EN
[54] **INSULATING GLASS SPACER CONSTRUCTION**
[54] **CONSTRUCTION D'ESPACE DE VERRE ISOLANT**
[72] MATTHEWS, GARY R., US
[73] ALLMETAL, INC.,
[85] 2018-07-31
[86] 2018-03-08 (PCT/US2018/021589)
[87] (WO2018/165457)
[30] US (62/469,721) 2017-03-10

[11] **3,013,027**
[13] C

- [51] **Int.Cl. C08K 3/04 (2006.01) C08K 3/38 (2006.01)**
[25] EN
[54] **THERMALLY CONDUCTIVE POLYMER COMPOSITIONS CONTAINING CARBON BLACK**
[54] **COMPOSITIONS POLYMERES THERMOCONDUCTRICES CONTENANT DU NOIR DE CARBONE**
[72] VILLALPANDO-PAEZ, FEDERICO, US
[72] EID, GEORGE, US
[72] CHRISTOPHER, ALYSON M., US
[72] HAMPDEN-SMITH, MARK, US
[72] PIERRE, SANTIAGUE, BE
[72] THIELEN, ALAIN, BE
[72] CHEN, LIMENG, US
[72] KYRLIDIS, AGATHAGELOS, US
[72] MACKAY, BRUCE E., US
[73] CABOT CORPORATION,
[85] 2018-07-27
[86] 2017-01-25 (PCT/US2017/014839)
[87] (WO2017/136196)
[30] US (62/289,623) 2016-02-01

[11] **3,013,161**
[13] C

- [51] **Int.Cl. A61K 31/437 (2006.01) A61K 9/22 (2006.01)**
[25] EN
[54] **ORAL DOSAGE FORM COMPRISING RIFAXIMIN IN FORM BETA**
[54] **FORME DE DOSAGE ORALE COMPRENANT DU RIFAXIMINE SOUS FORME BETA**
[72] SCHWARZ, FRANZ XAVER, AT
[73] SANDOZ AG,
[85] 2018-08-01
[86] 2018-04-25 (PCT/EP2018/060547)
[87] (WO2018/197538)
[30] EP (17168281.8) 2017-04-26

[11] **3,013,435**
[13] C

- [51] **Int.Cl. H02J 3/12 (2006.01) H02J 3/18 (2006.01) H02J 3/38 (2006.01)**
[25] EN
[54] **FAULT RIDE-THROUGH CAPABILITY FOR WIND TURBINE**
[54] **CAPACITE DE MAINTIEN D'ALIMENTATION EN CAS DE PANNE POUR EOLIENNE**
[72] NELSON, ROBERT J., US
[72] AMOS, JOHN D., US
[73] SIEMENS AKTIENGESELLSCHAFT,
[85] 2018-08-01
[86] 2016-02-03 (PCT/US2016/016263)
[87] (WO2017/135937)

[11] **3,014,786**
[13] C

- [51] **Int.Cl. B62K 21/08 (2006.01) B62K 21/14 (2006.01) B62K 21/20 (2006.01) F16F 15/00 (2006.01)**
[25] EN
[54] **HANDLEBAR MOUNT ASSEMBLY**
[54] **ENSEMBLE MONTURE DE GUIDON**
[72] SMITH, LANCE, US
[73] SMITH, LANCE,
[85] 2018-08-15
[86] 2017-02-15 (PCT/US2017/017949)
[87] (WO2017/142936)
[30] US (62/295,595) 2016-02-16
[30] US (15/224,408) 2016-07-29

[11] **3,014,989**
[13] C

- [51] **Int.Cl. B81C 1/00 (2006.01) B82Y 40/00 (2011.01) B81B 1/00 (2006.01)**
[25] EN
[54] **METHODS FOR MICRO AND NANO FABRICATION BY SELECTIVE TEMPLATE REMOVAL**
[54] **METHODE DE MICRO ET NANO FABRICATION PAR RETRAIT DE GABARIT SELECTIF**
[72] KESHAVARZ AKHLAGHI, MOHSEN, CA
[72] LANDROCK, CLINT, CA
[73] NANOTECH SECURITY CORP.,
[85] 2018-08-22
[86] 2018-05-02 (PCT/CA2018/050519)
[87] (WO2018/201248)
[30] US (62/500,530) 2017-05-03

**Canadian Patents Issued
March 24, 2020**

[11] **3,015,399**
[13] C

[51] **Int.Cl. A61K 31/593 (2006.01) A61K 31/164 (2006.01) A61K 31/352 (2006.01) A61P 13/12 (2006.01)**

[25] EN

[54] **A PHARMACEUTICAL COMPOSITION FOR IMPROVING OR PREVENTING PROGRESSION OF CHRONIC KIDNEY DISEASE**

[54] **UNE COMPOSITION PHARMACEUTIQUE SERVANT A AMELIORER OU EMPECHER LA PROGRESSION D'UNE MALADIE RENALE CHRONIQUE**

[72] SHYAM, ANKIT SINGH, IN

[72] VEDPRAKASH, MISHRA, IN

[72] NEELIMA, TONGRA, IN

[73] FRIMLINE PRIVATE LIMITED,

[86] (3015399)

[87] (3015399)

[22] 2018-08-27

[30] IN (201721031443) 2017-09-05

[11] **3,015,539**
[13] C

[51] **Int.Cl. C23C 2/02 (2006.01) C23C 2/06 (2006.01) C23C 2/14 (2006.01) C23C 2/26 (2006.01) C23C 2/30 (2006.01)**

[25] EN

[54] **HOT-DIP GALVANIZATION SYSTEM AND HOT-DIP GALVANIZATION METHOD**

[54] **INSTALLATION DE GALVANISATION A CHAUD ET PROCEDE DE GALVANISATION A CHAUD**

[72] PINGER, THOMAS, DE

[72] BAUMGURTEL, LARS, DE

[73] FONTAINE HOLDINGS NV,

[85] 2018-08-23

[86] 2017-01-09 (PCT/EP2017/050307)

[87] (WO2017/153062)

[30] DE (10 2016 002 782.7) 2016-03-09

[30] DE (10 2016 104 854.2) 2016-03-16

[30] DE (10 2016 106 660.5) 2016-04-12

[11] **3,016,499**
[13] C

[51] **Int.Cl. B64F 1/00 (2006.01) G08G 5/06 (2006.01)**

[25] EN

[54] **OPTIMIZING RANGE OF AIRCRAFT DOCKING SYSTEM**

[54] **OPTIMISATION DE LA PORTEE D'UN SYSTEME D'AMARRAGE D'AERONEF**

[72] HAKANSSON, OLA, SE

[73] ADB SAFEGATE SWEDEN AB,

[85] 2018-09-04

[86] 2017-03-07 (PCT/EP2017/055292)

[87] (WO2017/162432)

[30] EP (16161329.4) 2016-03-21

[11] **3,017,156**
[13] C

[51] **Int.Cl. G01S 1/68 (2006.01) G06Q 10/08 (2012.01) F16B 2/08 (2006.01) G08B 13/14 (2006.01)**

[25] EN

[54] **OBJECT MANAGEMENT SYSTEM AND METHOD**

[54] **SYSTEME ET METHODE DE GESTION D'OBJETS**

[72] LANDAU, EITAN, IL

[72] KATZ, AMIR, IL

[72] GOREN, ORI, IL

[73] THE STANLEY WORKS ISRAEL LTD.,

[86] (3017156)

[87] (3017156)

[22] 2010-05-21

[62] 2,704,072

[30] US (61/180,778) 2009-05-22

[11] **3,017,327**
[13] C

[51] **Int.Cl. A01F 25/12 (2006.01) A01F 25/08 (2006.01) F26B 3/06 (2006.01) F26B 19/00 (2006.01)**

[25] EN

[54] **SYSTEM AND APPARATUS FOR DRYING HAY BALES**

[54] **SYSTEME ET APPAREIL DE SECHAGE DE BALLES DE FOIN**

[72] MARTIN, CHRISTOPHER S., CA

[72] MARTIN, JARED S., CA

[72] REIST, EDGAR S., CA

[72] REIST, CLARENCE S., CA

[73] CHINOOK HAY SYSTEMS INC.,

[86] (3017327)

[87] (3017327)

[22] 2017-12-01

[62] 2,987,525

[30] US (62/534903) 2017-07-20

[11] **3,017,619**
[13] C

[51] **Int.Cl. C09K 8/52 (2006.01) C07C 233/04 (2006.01)**

[25] EN

[54] **DOUBLE-HEADED HYDRATE INHIBITORS AND METHODS OF USE**

[54] **INHIBITEURS D'HYDRATES A DEUX TETES ET PROCEDES D'UTILISATION**

[72] LAN, QIANG, US

[72] MONTEIRO, DEEPAK STEVEN, US

[72] CEGLIO, MARK PAUL, II, US

[72] KRISHNAMURTHY, PUSHKALA, US

[72] ACOSTA, ERICK J., US

[73] MULTI-CHEM GROUP, LLC,

[85] 2018-09-11

[86] 2016-04-19 (PCT/US2016/028215)

[87] (WO2017/184113)

[11] **3,017,637**
[13] C

[51] **Int.Cl. B23K 20/12 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR THE RESIDUE-FREE FRICTION STIR WELDING OF WORKPIECES WITH HEIGHT DIFFERENCES BETWEEN THE JOINT PARTNERS**

[54] **DISPOSITIF ET PROCEDE DE SOUDAGE PAR FRICTION SANS RESIDUS DE PIECES DE TRAVAIL AVEC DIFFERENCES DE HAUTEUR DE LA PIECE D'ACCOUPLLEMENT**

[72] WEIGL, MARKUS, DE

[73] GRENZBACH MASCHINENBAU GMBH,

[85] 2018-09-13

[86] 2017-03-15 (PCT/DE2017/000066)

[87] (WO2017/162224)

[30] DE (10 2016 003 580.3) 2016-03-23

**Brevets canadiens délivrés
24 mars 2020**

[11] **3,017,669**
[13] C

[51] **Int.Cl. E04D 1/30 (2006.01) E04D 1/12 (2006.01) E04D 1/34 (2006.01) E04D 1/36 (2006.01) E04D 15/00 (2006.01) E04G 23/03 (2006.01) F16B 15/02 (2006.01)**

[25] EN

[54] **SHINGLE PATCH FOR HAIL DAMAGE REPAIR OF ASPHALT SHINGLES AND AN INTEGRAL NAIL/DISK STRUCTURE FOR ELIMINATING EXPOSED ROOF NAILS**

[54] **PIECE DE BARDEAU SERVANT A LA REPARATION DE BARDEAUX D'ASPHALTE ENDOMMAGES PAR LA GRELE ET UNE STRUCTURE DE CLOU/DISQUE INTEGREE SERVANTA ELIMINER LES CLOUS DE TOIT EXPOSES**

[72] MATHIESON, THOMAS R., US
[73] MATHIESON, THOMAS R.,
[86] (3017669)
[87] (3017669)
[22] 2017-01-27
[62] 2,956,643

[11] **3,017,908**
[13] C

[51] **Int.Cl. H04L 29/06 (2006.01) H04L 12/24 (2006.01)**

[25] EN

[54] **SOFTWARE DEFINED NETWORK (SDN) APPLICATION INTEGRITY**

[54] **INTEGRITE D'APPLICATION DE RESEAU DEFINI PAR LOGICIEL (SDN)**

[72] BALMAKHAR, MAROUANE, US
[72] RAJAGOPAL, ARUN, US
[73] SPRINT COMMUNICATIONS COMPANY L.P.,
[85] 2018-09-14
[86] 2017-03-10 (PCT/US2017/021834)
[87] (WO2017/160641)
[30] US (15/071,484) 2016-03-16

[11] **3,017,985**
[13] C

[51] **Int.Cl. H02J 50/12 (2016.01) H02J 50/60 (2016.01)**

[25] EN

[54] **SYSTEM AND APPARATUS FOR INDUCTIVE CHARGING OF A HANDHELD DEVICE**

[54] **SYSTEME ET APPAREIL DE CHARGE INDUCTIVE D'UN DISPOSITIF PORTATIF**

[72] LISSECK, LUTZ, DE
[73] THE GILLETTE COMPANY LLC,
[85] 2018-09-14
[86] 2017-04-03 (PCT/US2017/025675)
[87] (WO2017/180339)
[30] US (62/322,821) 2016-04-15

[11] **3,018,702**
[13] C

[51] **Int.Cl. H02B 1/26 (2006.01) H01F 27/04 (2006.01) H02G 3/08 (2006.01) H05K 5/06 (2006.01) F21K 9/00 (2016.01) F21V 31/00 (2006.01) H01F 30/00 (2006.01)**

[25] EN

[54] **POOL JUNCTION BOX WITH TRANSFORMER**

[54] **BOITE DE RACCORDEMENT POUR PISCINE EQUIPEE D'UN TRANSFORMATEUR**

[72] QUIRK, KYLE, US
[72] GREANEY, ANDREW, US
[72] GALLAGHER, DONALD, US
[72] NELSON, RUSSELL, US
[73] INTERMATIC INCORPORATED,
[86] (3018702)
[87] (3018702)
[22] 2018-09-26
[30] US (15/717243) 2017-09-27

[11] **3,018,711**
[13] C

[51] **Int.Cl. E21B 43/267 (2006.01) C09K 8/68 (2006.01)**

[25] EN

[54] **TREATMENTS IN SUBTERRANEAN FORMATIONS USING DEGRADABLE POLYMERS IN ORGANIC SOLVENTS**

[54] **TRAITEMENTS DANS DES FORMATIONS SOUTERRAINES A L'AIDE DE POLYMERES DEGRADABLES DANS DES SOLVANTS ORGANIQUES**

[72] BEUTERBAUGH, AARON MICHAEL, US
[72] REYES, ENRIQUE ANTONIO, US
[73] HALLIBURTON ENERGY SERVICES, INC.,
[85] 2018-09-21
[86] 2016-06-03 (PCT/US2016/035824)
[87] (WO2017/209768)

[11] **3,018,949**
[13] C

[51] **Int.Cl. B31B 70/60 (2017.01) B29C 65/08 (2006.01)**

[25] EN

[54] **MODULAR ULTRASONIC DEVICE FOR USE IN PACKAGE SEALING SYSTEMS**

[54] **DISPOSITIF A ULTRASONS MODULAIRE A UTILISER DANS DES SYSTEMES D'ETANCHEITE DE BOITIER**

[72] MATHENY, MITCH, US
[72] CHANNELL, ALEXANDER B., US
[72] FLOWERS, SEAN T., US
[73] EDISON WELDING INSTITUTE, INC.,
[85] 2018-09-25
[86] 2016-11-04 (PCT/US2016/060522)
[87] (WO2017/184202)
[30] US (62/324,061) 2016-04-18

**Canadian Patents Issued
March 24, 2020**

[11] **3,019,397**
[13] C

[51] **Int.Cl. H02J 7/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR REGULATING A BATTERY CHARGING PROCESS**
[54] **DISPOSITIF ET PROCEDE DE REGULATION D'UN PROCESSUS DE CHARGE D'UNE BATTERIE**
[72] ROMPE, ANDRE, DE
[73] SIEMENS MOBILITY GMBH,
[85] 2018-09-28
[86] 2017-03-02 (PCT/EP2017/054906)
[87] (WO2017/167540)
[30] DE (10 2016 205 360.4) 2016-03-31

[11] **3,019,688**
[13] C

[51] **Int.Cl. B65G 23/44 (2006.01) B65G 43/00 (2006.01) F16H 7/00 (2006.01) F16H 25/20 (2006.01)**
[25] EN
[54] **AUTOMATED TENSIONING SYSTEM FOR CABLE OR CHAIN CONVEYOR**
[54] **SYSTEME DE TENSION AUTOMATIQUE DESTINE A UN CONVOYEUR A CABLE OU A CHAINE**
[72] BARRY, DANIEL JOEL, US
[73] FLEXICON CORPORATION,
[85] 2018-10-01
[86] 2018-03-08 (PCT/US2018/021560)
[87] (WO2018/165436)
[30] US (62/469,657) 2017-03-10

[11] **3,020,576**
[13] C

[51] **Int.Cl. F16L 23/08 (2006.01) F16L 21/06 (2006.01)**
[25] EN
[54] **COUPLING**
[54] **DISPOSITIF D'ACCOUPEMENT**
[72] BEAGEN, JOSEPH WILLIAM, JR., US
[73] ANVIL INTERNATIONAL, LLC,
[86] (3020576)
[87] (3020576)
[22] 2012-05-07
[62] 2,776,206
[30] US (13/354,459) 2012-01-20
[30] US (13/354,464) 2012-01-20
[30] US (13/354,466) 2012-01-20
[30] US (13/354,470) 2012-01-20

[11] **3,021,859**
[13] C

[51] **Int.Cl. B01D 53/96 (2006.01) B01D 53/14 (2006.01) B01D 53/48 (2006.01)**
[25] EN
[54] **A METHOD AND A DEVICE FOR OXIDIZING A SOLUTION FOR AMMONIA DESULFURIZATION**
[54] **UNE METHODE ET UN DISPOSITIF D'OXYDATION D'UNE SOLUTION DESTINEE A LA DESULFURATION D'AMMONIAC**
[72] LUO, JING, CN
[72] QI, LIFANG, CN
[72] LUO, YONGYING, CN
[73] JIANGNAN ENVIRONMENTAL PROTECTION GROUP INC.,
[86] (3021859)
[87] (3021859)
[22] 2018-10-23
[30] US (16/007875) 2018-06-13
[30] CN (201810329999.2) 2018-04-13

[11] **3,023,717**
[13] C

[51] **Int.Cl. E01C 5/00 (2006.01) B29C 45/14 (2006.01) C08K 3/22 (2006.01) C08L 21/00 (2006.01) C08L 23/02 (2006.01) E01C 5/18 (2006.01)**
[25] EN
[54] **A PAVING BLOCK FORMED OF CRUMB RUBBER AND A METHOD OF MANUFACTURING THE SAME**
[54] **BLOC DE PAVAGE CONSTITUE D'UN GRANULE DE CAOUTCHOUC ET SON PROCEDE DE FABRICATION**
[72] CLARK, CHOW, CA
[73] INPRESS TECHNOLOGIES INC.,
[86] (3023717)
[87] (3023717)
[22] 2011-07-22
[62] 2,805,887
[30] US (61/367,342) 2010-07-23
[30] US (12/890,681) 2010-09-26

[11] **3,024,957**
[13] C

[51] **Int.Cl. A61B 18/24 (2006.01) A61B 17/22 (2006.01) A61N 5/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR REDUCING LASER BEAM ATTENUATION IN A LIQUID MEDIUM**
[54] **APPAREIL ET PROCEDE DE REDUCTION DE L'ATTENUATION D'UN FAISCEAU LASER DANS UN MILIEU LIQUIDE**
[72] WAISMAN, TAL, IL
[72] KHACHATUROV, ARKADY, IL
[72] PREISS, ASSAF, IL
[73] LUMENIS LTD.,
[85] 2018-11-20
[86] 2017-06-06 (PCT/IB2017/053333)
[87] (WO2017/212404)
[30] US (62/347,685) 2016-06-09

[11] **3,025,262**
[13] C

[51] **Int.Cl. A62B 7/14 (2006.01) A62B 7/08 (2006.01)**
[25] EN
[54] **FRAGRANCE DELIVERY SYSTEM**
[54] **SYSTEME DE DIFFUSION DE PARFUM**
[72] FANTUZZI, EMMANUEL, FR
[72] PADILLA, RICARDO, JR., US
[72] DUCOS, ROMAIN, US
[72] KAMAL, RITU RAJ, US
[72] ATABAKI, SALAR, US
[73] C&D ZODIAC, INC.,
[85] 2018-11-21
[86] 2017-05-23 (PCT/US2017/034062)
[87] (WO2017/205418)
[30] US (62/340,378) 2016-05-23
[30] US (62/414,504) 2016-10-28

**Brevets canadiens délivrés
24 mars 2020**

[11] **3,025,472**
[13] C

[51] **Int.Cl. H02J 50/90 (2016.01) H02J 50/10 (2016.01)**
[25] EN
[54] **COIL POSITION DETECTING METHOD FOR NON-CONTACT POWER SUPPLY SYSTEM, AND NON-CONTACT POWER SUPPLY SYSTEM**
[54] **PROCEDE DE DETECTION DE LA POSITION D'UNE BOBINE POUR SYSTEME D'ALIMENTATION ELECTRIQUE SANS CONTACT, ET SYSTEME D'ALIMENTATION ELECTRIQUE SANS CONTACT**
[72] MAIKAWA, KENGO, JP
[73] NISSAN MOTOR CO., LTD.,
[85] 2018-11-23
[86] 2016-05-23 (PCT/JP2016/065211)
[87] (WO2017/203579)

[11] **3,026,121**
[13] C

[51] **Int.Cl. F24F 13/08 (2006.01) F21V 33/00 (2006.01) F24F 7/007 (2006.01) F24F 13/078 (2006.01)**
[25] EN
[54] **LIGHTING AND VENTILATING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ECLAIRAGE ET DE VENTILATION**
[72] ZAKULA, MIRKO, US
[72] JACAK, COREY S., US
[73] BROAN-NUTONE LLC,
[86] (3026121)
[87] (3026121)
[22] 2011-10-06
[62] 2,754,514
[30] US (12/902,077) 2010-10-11
[30] US (12/902,065) 2010-10-11
[30] US (13/190,386) 2011-07-25

[11] **3,026,781**
[13] C

[51] **Int.Cl. G06F 21/56 (2013.01)**
[25] EN
[54] **A METHOD FOR TEE ACCESS CONTROL AND A MOBILE TERMINAL FOR IMPLEMENTING THE METHOD**
[54] **PROCEDE DE CONTROLE D'ACCES A UN TEE ET TERMINAL MOBILE LE METTANT EN OEUVRE**
[72] CHEN, CHENGQIAN, CN
[72] ZHOU, YU, CN
[72] GUO, WEI, CN
[73] CHINA UNIONPAY CO., LTD.,
[85] 2018-12-06
[86] 2017-03-28 (PCT/CN2017/078347)
[87] (WO2017/167166)
[30] CN (201610198543.8) 2016-04-01

[11] **3,027,716**
[13] C

[51] **Int.Cl. A43B 13/38 (2006.01) A43B 5/16 (2006.01) A43B 7/24 (2006.01)**
[25] EN
[54] **INSOLE FOR SPORT FOOTWEAR**
[54] **SEMELLE INTERIEURE POUR CHAUSSURES DE SPORT**
[72] LAFRAMBOISE, STEVE, CA
[72] MOSHOPOULOUS, JOHN, CA
[73] CORRECT MOTION INC.,
[85] 2018-12-13
[86] 2016-06-16 (PCT/CA2016/050704)
[87] (WO2016/201574)
[30] US (62/181,992) 2015-06-19

[11] **3,028,083**
[13] C

[51] **Int.Cl. B62D 33/04 (2006.01) B62D 33/077 (2006.01)**
[25] EN
[54] **CARGO TRANSPORTATION SYSTEM INCLUDING A SANDWICH PANEL AND A CHANNEL**
[54] **SYSTEME DE TRANSPORT DE MARCHANDISE COMPRENANT UN PANNEAU SANDWICH ET UN CANAL**
[72] COX, DOUGLAS P., US
[72] EBNOTHER, FABIEN, DE
[73] CELLTECH METALS, INC.,
[86] (3028083)
[87] (3028083)
[22] 2018-12-19
[30] US (15/850,045) 2017-12-21

[11] **3,028,285**
[13] C

[51] **Int.Cl. F24F 11/88 (2018.01) F24F 11/49 (2018.01) F24F 11/54 (2018.01) G08C 19/00 (2006.01) H04L 12/40 (2006.01)**
[25] EN
[54] **A HEATING, VENTILATION AND AIR CONDITIONING SYSTEM**
[54] **UN SYSTEME DE CHAUFFAGE, VENTILATION ET CONDITIONNEMENT DE L'AIR**
[72] GROHMAN, WOJCIECH, US
[73] LENNOX INDUSTRIES INC.,
[86] (3028285)
[87] (3028285)
[22] 2011-11-30
[62] 2,760,371
[30] US (12/969,758) 2010-12-16

[11] **3,029,323**
[13] C

[51] **Int.Cl. H04N 19/13 (2014.01) H04N 19/117 (2014.01) H04N 19/136 (2014.01) H04N 19/176 (2014.01) H04N 19/91 (2014.01)**
[25] EN
[54] **VIDEO ENCODING METHOD AND VIDEO ENCODING APPARATUS AND VIDEO DECODING METHOD AND VIDEO DECODING APPARATUS FOR SIGNALING SAO PARAMETERS**
[54] **PROCEDE DE CODAGE VIDEO ET APPAREIL DE CODAGE VIDEO, PROCEDE DE DECODAGE VIDEO ET APPAREIL DE DECODAGE VIDEO POUR LA SIGNALISATION D'UN PARAMETRE SAO**
[72] ALSHINA, ELENA, KR
[72] ALSHIN, ALEXANDER, KR
[72] PARK, JEONG-HOON, KR
[73] SAMSUNG ELECTRONICS CO., LTD.,
[86] (3029323)
[87] (3029323)
[22] 2013-07-16
[62] 2,879,440
[30] US (61/672,166) 2012-07-16

**Canadian Patents Issued
March 24, 2020**

[11] **3,029,347**
[13] C

[51] **Int.Cl. E05B 65/08 (2006.01) E05B 15/10 (2006.01) E05B 63/14 (2006.01)**
[25] EN
[54] **LOCK CAPABLE OF LOCKING MOVABLE DOOR**
[54] **VERROU APTE A VERROUILLER UNE PORTE MOBILE**
[72] KE, ZHIJIE, CN
[72] LIANG, PEIQUAN, CN
[73] GUANGDONG ARCHIE HARDWARE CO., LTD.,
[85] 2018-12-27
[86] 2017-10-16 (PCT/CN2017/106392)
[87] (WO2018/223578)
[30] CN (201710414970.X) 2017-06-05

[11] **3,029,681**
[13] C

[51] **Int.Cl. A43B 9/00 (2006.01) A43B 13/12 (2006.01)**
[25] EN
[54] **LOCKING MIDSOLE AND INSOLE ASSEMBLY**
[54] **ENSEMBLE SEMELLE INTERCALAIRE ET SEMELLE INTERIEURE AVEC BLOCAGE**
[72] HAYES, ERIC PARIS, US
[72] GOOCH, MATTHEW WARREN, US
[72] WAKELAND, DANIEL, US
[73] SUPERFEET WORLDWIDE, INC.,
[85] 2018-12-28
[86] 2017-08-01 (PCT/US2017/044989)
[87] (WO2018/026870)
[30] US (15/226,838) 2016-08-02

[11] **3,031,013**
[13] C

[51] **Int.Cl. C08L 97/02 (2006.01) B29C 70/44 (2006.01) C08J 3/20 (2006.01) C08K 5/1539 (2006.01) C08L 23/02 (2006.01) C08L 55/02 (2006.01) C08L 67/04 (2006.01)**
[25] EN
[54] **VACUUM-ASSISTED CO-EXTRUSION OF FLEXIBLE FIBRES AND THE MOLDABLE THERMOPLASTIC COMPOSITES PRODUCED**
[54] **CO-EXTRUSION ASSISTEE PAR DEPRESSION DE FIBRES SOUPLES, ET COMPOSITES THERMOPLASTIQUES MOULABLES PRODUITS**
[72] HAMAD, WADOOD YASSER, CA
[72] SU, SHUNXING, CA
[72] ROBERTS, NORMAN, CA
[72] OULANTI, OTMAN, CA
[72] RICARD, MICHELLE AGNES, CA
[72] MIAO, CHUANWEL, CA
[73] FPINNOVATIONS,
[85] 2019-01-16
[86] 2017-07-25 (PCT/CA2017/050892)
[87] (WO2018/018143)
[30] US (62/367,183) 2016-07-27

[11] **3,031,491**
[13] C

[51] **Int.Cl. C22B 9/02 (2006.01) B22D 1/00 (2006.01) C22B 9/10 (2006.01) C22B 21/06 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND CORED WIRES FOR TREATING A MOLTEN METAL**
[54] **SYSTEMES, METHODES ET FILS FOURRES POUR TRAITER UN METAL FONDU**
[72] REYNOLDS, MARK, CA
[73] 2498890 ONTARIO INC.,
[86] (3031491)
[87] (3031491)
[22] 2019-01-25
[30] US (62/787,786) 2019-01-03

[11] **3,031,672**
[13] C

[51] **Int.Cl. G02C 7/02 (2006.01) G02C 7/06 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING AN IMPROVED DESIGN FOR A PROGRESSIVE LENS TAKING INTO ACCOUNT HIGHER ORDER ABERRATIONS OF THE EYE**
[54] **PROCEDE DE DETERMINATION D'UNE CONCEPTION AMELIOREE D'UN VERRE PROGRESSIF TENANT COMPTE DES ABERRATIONS DE DEGRE ELEVE DE L'OEIL**
[72] SPRATT, RAY STEVEN, US
[72] KELCH, GERHARD, DE
[73] CARL ZEISS VISION INTERNATIONAL GMBH,
[85] 2019-01-22
[86] 2017-07-26 (PCT/US2017/043971)
[87] (WO2018/022765)
[30] US (PCT/US2016/044267) 2016-07-27

[11] **3,032,393**
[13] C

[51] **Int.Cl. E21B 43/119 (2006.01) E21B 23/08 (2006.01) E21B 43/26 (2006.01) E21B 47/04 (2012.01) E21B 47/09 (2012.01)**
[25] EN
[54] **A PERFORATING GUN**
[54] **CANON DE PERFORATION**
[72] LAGRANGE, TIMOTHY E., CA
[72] MORRISON, IAN, US
[72] WOOD, JEFFREY D., US
[72] GARTZ, JEFFREY D., CA
[73] OWEN OIL TOOLS LP,
[85] 2019-01-28
[86] 2017-10-03 (PCT/US2017/054980)
[87] (WO2018/067598)
[30] US (62/403,509) 2016-10-03

**Brevets canadiens délivrés
24 mars 2020**

[11] **3,032,869**
[13] C

- [51] **Int.Cl. E21B 41/00 (2006.01) E21B 21/00 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **DRILLING RIG POWER SUPPLY BUS MANAGEMENT**
[54] **GESTION DE BUS D'ALIMENTATION ELECTRIQUE D'APPAREIL DE FORAGE**
[72] ROUSE, CODIE, CA
[72] ROUSE, JOHN, CA
[73] ROUSE INDUSTRIES INC.,
[85] 2019-02-04
[86] 2018-05-23 (PCT/CA2018/050601)
[87] (WO2018/213925)
[30] CA (2967921) 2017-05-23

[11] **3,033,164**
[13] C

- [51] **Int.Cl. B60W 30/14 (2006.01)**
[25] EN
[54] **CONTROL METHOD AND CONTROL DEVICE OF AUTOMATIC DRIVING VEHICLE**
[54] **PROCEDE DE COMMANDE ET DISPOSITIF DE COMMANDE POUR VEHICULES A CONDUITE AUTOMATIQUE**
[72] JANG, HWASEON, JP
[72] SUNDA, TAKASHI, JP
[72] HIRAMATSU, MACHIKO, JP
[73] NISSAN MOTOR CO., LTD.,
[85] 2019-02-06
[86] 2016-08-08 (PCT/JP2016/073327)
[87] (WO2018/029758)

[11] **3,033,279**
[13] C

- [51] **Int.Cl. G03G 21/18 (2006.01)**
[25] EN
[54] **REPLACEABLE UNIT FOR AN IMAGE FORMING DEVICE HAVING MAGNETS OF VARYING ANGULAR OFFSET FOR TONER LEVEL SENSING**
[54] **UNITE REMPLACABLE DESTINEE A UN DISPOSITIF DE FORMATION D'IMAGES, MUNIE D'AIMANTS PRESENTANT UN DECALAGE ANGULAIRE POUR LA DETECTION DU NIVEAU DE TONER**
[72] CARPENTER, BRIAN SCOTT, US
[72] MCALPINE, ROBERT WATSON, US
[73] LEXMARK INTERNATIONAL, INC.,
[86] (3033279)
[87] (3033279)
[22] 2015-05-28
[62] 2,949,458
[30] US (62/006,291) 2014-06-02
[30] US (14/556,464) 2014-12-01

[11] **3,033,535**
[13] C

- [51] **Int.Cl. B01D 43/00 (2006.01) F24F 13/28 (2006.01)**
[25] EN
[54] **AIR FILTER COMPRISING FRAME WITH BOWED INNER EDGE**
[54] **FILTRE A AIR COMPRENANT UN CADRE A BORD INTERNE COURBE**
[72] GREGERSON, GLEN O., US
[72] LISE, JONATHAN M., US
[72] MENZENSKI, KIMBERLY W., US
[72] ZIEMANN, DAVID W., US
[73] 3M INNOVATIVE PROPERTIES COMPANY,
[85] 2019-02-08
[86] 2017-08-01 (PCT/IB2017/054701)
[87] (WO2018/029576)
[30] US (62/372,113) 2016-08-08

[11] **3,033,652**
[13] C

- [51] **Int.Cl. H01L 21/02 (2006.01) H01L 21/768 (2006.01)**
[25] EN
[54] **PRECLEAN METHODOLOGY FOR SUPERCONDUCTOR INTERCONNECT FABRICATION**
[54] **METHODOLOGIE DE PRENETTOYAGE POUR LA FABRICATION D'INTERCONNEXION DE DISPOSITIF SUPRACONDUCTEUR**
[72] KIRBY, CHRISTOPHER F., US
[72] DI GIACOMO, SANDRO J., US
[72] RENNIE, MICHAEL, US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION,
[85] 2019-02-11
[86] 2017-07-25 (PCT/US2017/043673)
[87] (WO2018/075117)
[30] US (15/238,394) 2016-08-16

[11] **3,033,840**
[13] C

- [51] **Int.Cl. C22C 9/04 (2006.01) C22F 1/08 (2006.01) C22F 1/00 (2006.01)**
[25] EN
[54] **FREE-CUTTING COPPER ALLOY, AND METHOD FOR PRODUCING FREE-CUTTING COPPER ALLOY**
[54] **ALLIAGE DE CUIVRE FACILEMENT USINABLE ET PROCEDE DE FABRICATION DE CELUI-CI**
[72] OISHI, KEIICHIRO, JP
[72] SUZAKI, KOUICHI, JP
[72] TANAKA, SHINJI, JP
[72] OKA, TAKAYUKI, JP
[73] MITSUBISHI SHINDOH CO., LTD.,
[85] 2019-02-13
[86] 2017-08-15 (PCT/JP2017/029376)
[87] (WO2018/034284)
[30] JP (2016-159238) 2016-08-15

**Canadian Patents Issued
March 24, 2020**

[11] **3,035,348**
[13] C

[51] **Int.Cl. H01R 9/05 (2006.01) H01R 9/00 (2006.01) H01R 13/00 (2006.01)**
[25] EN
[54] **EXPANDABLE CABLE CONNECTOR TORQUE ADAPTER**
[54] **ADAPTATEUR DE COUPLE DE CONNECTEUR DE CABLE EXTENSIBLE**
[72] BLAKE, JOSHUA, US
[72] CLARK, BRANDON, US
[73] STEREN ELECTRONICS INTERNATIONAL, LLC,
[85] 2019-02-27
[86] 2017-08-11 (PCT/US2017/046621)
[87] (WO2018/044535)
[30] US (15/252,027) 2016-08-30

[11] **3,036,697**
[13] C

[51] **Int.Cl. D21C 9/00 (2006.01) D21C 3/00 (2006.01) D21D 1/20 (2006.01)**
[25] EN
[54] **METHOD OF TRANSFORMING HIGH CONSISTENCY PULP FIBERS INTO PRE-DISPERSED SEMI-DRY AND DRY FIBROUS MATERIALS**
[54] **PROCEDE DE TRANSFORMATION DE FIBRES DE PATE A HAUTE CONSISTANCE EN MATERIAUX FIBREUX SEMI-SECS ET SECS PRE-DISPERSES**
[72] LALEG, MAKHLOUF, CA
[72] ETTALEB, LAHOUCINE, CA
[72] STACEY, MICHAEL, CA
[73] FPINNOVATIONS,
[85] 2019-03-12
[86] 2017-09-14 (PCT/CA2017/051079)
[87] (WO2018/049522)
[30] US (62/394,456) 2016-09-14

[11] **3,036,954**
[13] C

[51] **Int.Cl. A61F 7/10 (2006.01) A61F 13/00 (2006.01)**
[25] EN
[54] **REUSABLE PACK FOR PROMOTING REST, ICING, COMPRESSION, AND ELEVATION OF INJURED FINGER**
[54] **ENSEMBLE REUTILISABLE SERVANT A PROMOUVOIR LE REPOS, LE GEL, LA COMPRESSION ET L'ELEVATION D'UN DOIGT BLESSE**
[72] YADAV, PAAKHI K.S., CA
[73] YADAV, PAAKHI K.S.,
[86] (3036954)
[87] (3036954)
[22] 2019-03-18

[11] **3,037,383**
[13] C

[51] **Int.Cl. A61K 39/395 (2006.01) A23K 20/142 (2016.01) A23L 33/17 (2016.01) A61K 35/20 (2006.01) A61P 37/00 (2006.01) C07K 1/30 (2006.01) C07K 16/04 (2006.01)**
[25] EN
[54] **STABLE POOLED BREASTMILK ANTIBODIES FOR ORAL DELIVERY**
[54] **ENSEMBLE D'ANTICORPS DE LAIT MATERNEL STABLES DESTINE A UNE ADMINISTRATION ORALE**
[72] MANE, VIRAJ, CA
[72] MEHTA, RIKIN, US
[73] LACTIGA, INC.,
[85] 2019-03-19
[86] 2018-06-12 (PCT/CA2018/050703)
[87] (WO2018/227285)
[30] US (62/518,631) 2017-06-13

[11] **3,037,463**
[13] C

[51] **Int.Cl. B64C 13/02 (2006.01) B64C 13/42 (2006.01) H05K 10/00 (2006.01)**
[25] EN
[54] **BACKUP ACTUATION CONTROL UNIT FOR CONTROLLING AN ACTUATOR DEDICATED TO A GIVEN SURFACE AND METHOD OF USING SAME**
[54] **UNITE DE COMMANDE D'ACTIONNEMENT DE SECOURS POUR COMMANDER UN ACTIONNEUR DEDIE A UNE SURFACE DONNEE ET SON PROCEDE D'UTILISATION**
[72] CADOTTE, PATRICK, CA
[72] CLEMENT, FREDERICK, CA
[72] BIRENBAUM, NICOLAS, CA
[72] VASILIU, CATALIN, CA
[72] CHAN TAVE, ERIC, CA
[73] THALES CANADA INC.,
[85] 2019-03-19
[86] 2018-01-25 (PCT/IB2018/050459)
[87] (WO2018/142246)
[30] US (62/453,206) 2017-02-01

[11] **3,038,625**
[13] C

[51] **Int.Cl. C01F 11/18 (2006.01) C09D 7/61 (2018.01) A61K 8/98 (2006.01) C01F 11/00 (2006.01) C08K 3/26 (2006.01) C09K 3/14 (2006.01)**
[25] EN
[54] **SYSTEM AND APPARATUS FOR PROCESSING WASTE EGG SHELLS INTO PRODUCTS**
[54] **SYSTEME ET APPAREIL POUR TRANSFORMER DES COQUILLES D'OEUF RESIDUELLES EN PRODUITS**
[72] MAENDEL, JACK, CA
[73] ECOPOXY INC.,
[86] (3038625)
[87] (3038625)
[22] 2018-04-10
[62] 3,013,007
[30] US (62/483,757) 2017-04-10

**Brevets canadiens délivrés
24 mars 2020**

[11] **3,039,076**

[13] C

[51] **Int.Cl. H02M 7/217 (2006.01) H02M 1/08 (2006.01)**

[25] EN

[54] **HYBRID RECTIFIER**

[54] **REDRESSEUR HYBRIDE**

[72] TREMBLAY, MARCO, CA

[73] IMALOG INC.,

[85] 2019-04-02

[86] 2017-10-17 (PCT/CA2017/051232)

[87] (WO2018/072016)

[30] US (62/410,026) 2016-10-19

[11] **3,040,592**

[13] C

[51] **Int.Cl. A47J 37/08 (2006.01) A47J 27/04 (2006.01)**

[25] EN

[54] **TOASTER WITH STEAM SYSTEM**

[54] **GRILLE-PAIN AVEC SYSTEME DE VAPEUR**

[72] GRAY, BRENT, CA

[72] MORAND, MICHEL, CA

[73] DUPRAY VENTURES INC.,

[85] 2019-04-15

[86] 2018-10-05 (PCT/CA2018/051263)

[87] (WO2019/068202)

[30] US (62/568,510) 2017-10-05

[11] **3,040,854**

[13] C

[51] **Int.Cl. G02C 7/02 (2006.01)**

[25] EN

[54] **SPECTACLE LENS AND METHOD, IN PARTICULAR 3D PRINTING METHOD, FOR THE PRODUCTION THEREOF**

[54] **VERRE DE LUNETTES ET PROCEDE DE FABRICATION, NOTAMMENT PROCEDE D'IMPRESSIION 3D**

[72] MAPPES, TIMO, DE

[72] KELCH, GERHARD, DE

[72] GLOEGE, THOMAS, DE

[73] CARL ZEISS VISION INTERNATIONAL GMBH,

[85] 2019-04-16

[86] 2017-10-20 (PCT/EP2017/076825)

[87] (WO2018/073403)

[30] EP (16195139.7) 2016-10-21

[11] **3,042,413**

[13] C

[51] **Int.Cl. E21B 7/06 (2006.01) E21B 17/04 (2006.01) E21B 17/042 (2006.01)**

[25] EN

[54] **FIXED BEND ASSEMBLY**

[54] **DISPOSITIF DE COURBURE FIXE**

[72] GURJAR, RISHI, CA

[73] WENZEL DOWNHOLE TOOLS ULC,

[86] (3042413)

[87] (3042413)

[22] 2019-05-03

[30] US (62/667,284) 2018-05-04

[30] CA (3,010,478) 2018-06-29

[11] **3,042,516**

[13] C

[51] **Int.Cl. E21B 43/24 (2006.01) E21B 17/18 (2006.01) E21B 41/00 (2006.01)**

[25] EN

[54] **COMPLETIONS FOR WELL ZONE CONTROL**

[54] **CONDITIONNEMENTS DE PUITES POUR COMMANDE DE ZONE DE PUITES**

[72] REYNOLDS, ALAN C., US

[72] JURANITCH, JAMES C., US

[73] XDI HOLDINGS, LLC,

[85] 2019-05-01

[86] 2017-11-01 (PCT/US2017/059501)

[87] (WO2018/085373)

[30] US (62/416,095) 2016-11-01

[11] **3,043,621**

[13] C

[51] **Int.Cl. G06T 7/90 (2017.01) B44D 3/00 (2006.01) G06N 3/02 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR COLOR REPRESENTATION GENERATION**

[54] **METHODE ET SYSTEME DE GENERATION DE REPRESENTATION COULEUR**

[72] SHUGRINA, MARIA, CA

[72] KAR, AMLAN, CA

[72] FIDLER, SANJA, CA

[72] SINGH, KARAN, CA

[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO,

[86] (3043621)

[87] (3043621)

[22] 2019-05-17

[30] US (62/673,391) 2018-05-18

[11] **3,045,005**

[13] C

[51] **Int.Cl. A47J 45/00 (2006.01) A47F 5/00 (2006.01) A47J 47/00 (2006.01)**

[25] EN

[54] **POT LID STORAGE HOLDER**

[54] **SUPPORT DE RANGEMENT DE COUVERCLE DE RECIPIENT DE CUISSON**

[72] CLARKE, DANA S., US

[73] CLARKE, DANA S.,

[85] 2019-05-24

[86] 2017-11-29 (PCT/US2017/063617)

[87] (WO2018/102357)

[30] US (15/363,359) 2016-11-29

[11] **3,045,430**

[13] C

[51] **Int.Cl. B61L 25/02 (2006.01) B61L 27/04 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR DETERMINING TRACK LOCATION AND/OR DIRECTION OF TRAVEL**

[54] **SYSTEMES ET PROCEDES DE DETERMINATION D'EMPLACEMENT DE VOIE ET/OU DE DIRECTION DE DEPLACEMENT**

[72] OSWALD, JAMES A., US

[72] KERNWEIN, JEFFREY D., US

[73] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION,

[85] 2019-05-29

[86] 2017-02-20 (PCT/US2017/018570)

[87] (WO2018/118104)

[30] US (15/382,922) 2016-12-19

**Canadian Patents Issued
March 24, 2020**

[11] **3,046,979**
[13] C

[51] **Int.Cl. B01D 3/10 (2006.01)**
[25] EN
[54] **A PROCESS AND SYSTEM FOR PRODUCT RECOVERY AND CELL RECYCLE**
[54] **PROCEDE ET SYSTEME DE RECUPERATION DE PRODUIT ET DE RECYCLAGE DE CELLULES**
[72] SECHRIST, PAUL ALVIN, US
[72] BOURDAKOS, NICHOLAS, US
[72] CONRADO, ROBERT JOHN, US
[72] GAO, ALLAN HA, US
[72] BROMLEY, JASON CARL, US
[72] MARTIN, MICHAEL EMERSON, US
[72] MIHALCEA, CHRISTOPHE DANIEL, US
[72] PALOU-RIVERA, IGNASI, US
[72] TIZARD, JOSEPH HENRY, US
[73] LANZATECH, INC.,
[85] 2019-06-12
[86] 2018-03-20 (PCT/US2018/023414)
[87] (WO2018/175481)
[30] US (62/473,850) 2017-03-20

[11] **3,047,131**
[13] C

[51] **Int.Cl. F41G 3/06 (2006.01) F41G 3/22 (2006.01) G01S 3/78 (2006.01) G01S 3/786 (2006.01) G01S 5/16 (2006.01)**
[25] FR
[54] **DEVICE FOR LOCATING A TARGET BY STELLAR RESETTING, INTENDED TO BE ON BOARD A MOBILE CARRIER**
[54] **DISPOSITIF DE LOCALISATION PAR RECALAGE STELLAIRE D'UNE CIBLE, DESTINE A ETRE EMBARQUE SUR UN PORTEUR MOBILE**
[72] ROBERT, EMMANUEL, FR
[72] ROLAND, FLAVIEN, FR
[72] DAVENEL, ARNAUD, FR
[72] DELEAUX, BENJAMIN, FR
[72] ROBERFROID, DAVID, FR
[72] REYMOND, GEORGES-OLIVIER, FR
[73] SAFRAN ELECTRONICS & DEFENSE,
[85] 2019-06-12
[86] 2017-12-12 (PCT/EP2017/082409)
[87] (WO2018/108897)
[30] FR (1662631) 2016-12-16

[11] **3,047,698**
[13] C

[51] **Int.Cl. H04N 5/341 (2011.01) H04N 5/353 (2011.01) H04N 5/359 (2011.01) H04N 5/361 (2011.01) H04N 5/374 (2011.01) H04N 5/3745 (2011.01)**
[25] EN
[54] **GLOBAL SHUTTER SCHEME THAT REDUCES THE EFFECTS OF DARK CURRENT**
[54] **SCHEMA D'OBTURATEUR GLOBAL REDUISANT LES EFFETS D'UN COURANT D'OBSCURITE**
[72] DO, HUNG T., US
[72] LIM, PAUL G., US
[72] MIMS, STEPHEN W., US
[73] BAE SYSTEMS IMAGING SOLUTIONS INC.,
[85] 2019-06-19
[86] 2016-12-19 (PCT/US2016/067618)
[87] (WO2018/118016)

[11] **3,047,847**
[13] C

[51] **Int.Cl. C08F 2/01 (2006.01) C08F 2/34 (2006.01) C08F 110/02 (2006.01) C08F 110/06 (2006.01)**
[25] EN
[54] **PROCESS FOR START-UP OF A MULTIZONE CIRCULATING REACTOR**
[54] **PROCEDE DE DEMARRAGE D'UN REACTEUR A PLUSIEURS ZONES ET A CIRCULATION**
[72] MEI, GABRIELE, IT
[72] COVEZZI, MASSIMO, IT
[72] MEIER, GERHARDUS, DE
[72] MAZZUCCO, ANTONIO, IT
[72] BAITA, PIETRO, IT
[72] SCHUELLER, ULF, DE
[72] MARTURANO, LORELLA, IT
[72] BALESTRA, ENRICO, IT
[73] BASELL POLYOLEFINE GMBH,
[85] 2019-06-20
[86] 2017-12-21 (PCT/EP2017/084010)
[87] (WO2018/115236)
[30] EP (16206297.0) 2016-12-22

[11] **3,048,738**
[13] C

[51] **Int.Cl. G09F 3/02 (2006.01) B65C 1/04 (2006.01) G09F 3/10 (2006.01) G02B 21/34 (2006.01)**
[25] EN
[54] **LABEL FOR MICROSCOPE SLIDE AND METHOD OF APPLYING**
[54] **ETIQUETTE POUR LAME DE MICROSCOPE ET PROCEDE D'APPLICATION**
[72] AMBARTSOUMIAN, GOURGEN, CA
[73] AMBARTSOUMIAN, GOURGEN,
[85] 2019-06-27
[86] 2018-10-25 (PCT/CA2018/051351)
[87] (WO2019/079898)
[30] US (62/576,987) 2017-10-25
[30] US (62/592,702) 2017-11-30
[30] US (62/623,083) 2018-01-29

[11] **3,049,520**
[13] C

[51] **Int.Cl. H02G 3/06 (2006.01) F16L 19/08 (2006.01) F16L 21/02 (2006.01) F16L 37/091 (2006.01) H02G 15/013 (2006.01)**
[25] EN
[54] **INTEGRATED PIPING CONDUIT WITH ADAPTOR DEVICE AND METHOD**
[54] **CONDUIT A TUYAUTERIE INTEGREE A DISPOSITIF D'ADAPTATEUR ET PROCEDE**
[72] CROMPTON, DAVID B., US
[72] DIAS, LIBARDO O., US
[72] BOUCHARD, HERBERT J., US
[73] QUICK FITTING, INC.,
[85] 2019-07-05
[86] 2017-01-13 (PCT/US2017/013371)
[87] (WO2017/123896)
[30] US (14/994,527) 2016-01-13

**Brevets canadiens délivrés
24 mars 2020**

[11] **3,050,613**

[13] C

- [51] **Int.Cl. B41F 7/12 (2006.01) B41F 9/00 (2006.01) B41F 9/01 (2006.01)**
[25] EN
[54] **SHEET-FED PRINTING PRESS FOR SIMULTANEOUS RECTO-VERSO PRINTING OF SHEETS, IN PARTICULAR FOR THE PRODUCTION OF SECURITY DOCUMENTS**
[54] **PRESSE D'IMPRESSION A FEUILLES POUR L'IMPRESSION RECTO-VERSO SIMULTANEE DE FEUILLES, NOTAMMENT POUR LA PRODUCTION DE DOCUMENTS DE SECURITE**
[72] SCHAEBE, JOHANNES, DE
[73] KBA-NOTASYS SA,
[85] 2019-07-17
[86] 2018-03-13 (PCT/EP2018/056247)
[87] (WO2018/167064)
[30] EP (17160749.2) 2017-03-14

[11] **3,051,654**

[13] C

- [51] **Int.Cl. E04G 7/32 (2006.01)**
[25] EN
[54] **CONNECTOR FOR TEMPORARY SCAFFOLDING**
[54] **RACCORD POUR ECHAFAUDAGE TEMPORAIRE**
[72] SEKIYAMA, TADAKATSU, JP
[72] OKADA, TETSURO, JP
[72] WADA, SOHEI, JP
[72] ITO, MASAKI, JP
[72] SASAKI, HIROFUMI, JP
[72] SATO, SHINOBU, JP
[72] SHINOHARA, HAZUKI, JP
[73] NIKKEN LEASE KOGYO CO., LTD.,
[85] 2019-07-25
[86] 2017-01-27 (PCT/JP2017/002964)
[87] (WO2018/138873)

[11] **3,051,656**

[13] C

- [51] **Int.Cl. H04B 7/155 (2006.01)**
[25] EN
[54] **CONTROL STATION, SATELLITE STATION, EARTH STATION, DATA TRANSMISSION SYSTEM, AND DATA TRANSMISSION METHOD**
[54] **STATION DE COMMANDE, STATION DE SATELLITE, STATION TERRESTRE, SYSTEME DE TRANSMISSION DE DONNEES ET PROCEDE DE TRANSMISSION DE DONNEES**
[72] TANI, SHIGENORI, JP
[72] MOTOYOSHI, KATSUYUKI, JP
[73] MITSUBISHI ELECTRIC CORPORATION,
[85] 2019-07-25
[86] 2017-02-02 (PCT/JP2017/003795)
[87] (WO2018/142539)

[11] **3,052,008**

[13] C

- [51] **Int.Cl. A01K 5/00 (2006.01) A01K 61/80 (2017.01) A01K 39/012 (2006.01)**
[25] EN
[54] **FEEDING APPARATUS FOR ANIMALS**
[54] **APPAREIL D'ALIMENTATION POUR ANIMAUX**
[72] MCADAMS, TOM, CA
[72] HOFER, ETHAN, CA
[72] DNESTRIANSCHII, LUCIEN, CA
[73] CRYSTAL SPRING COLONY FARMS LTD.,
[86] (3052008)
[87] (3052008)
[22] 2017-07-20
[62] 3,032,463
[30] US (15416104) 2017-01-26
[30] US (15239177) 2016-08-17

[11] **3,052,172**

[13] C

- [51] **Int.Cl. H02G 3/12 (2006.01) H02J 4/00 (2006.01)**
[25] EN
[54] **ROTATABLE POWER CENTER FOR A WORK SURFACE**
[54] **CENTRE D'ALIMENTATION PIVOTANT POUR UNE SURFACE DE TRAVAIL**
[72] BYRNE, NORMAN R., US
[72] MITCHELL, MARC A., US
[72] PATE, RANDELL E., US
[73] BYRNE, NORMAN R.,
[86] (3052172)
[87] (3052172)
[22] 2015-04-14
[62] 2,888,023
[30] US (61/980041) 2014-04-15

[11] **3,053,203**

[13] C

- [51] **Int.Cl. H05B 7/144 (2006.01) H05B 1/02 (2006.01)**
[25] EN
[54] **INTEGRATED FLICKER CONTROL FOR ARC FURNACE**
[54] **COMMANDE DE PAPILOTTEMENT INTEGRE POUR FOUR A ARC**
[72] SCHOENI, MARCO, CH
[72] STADLER, RAETO, CH
[72] BAECHLE, RALF, DE
[73] ABB SCHWEIZ AG,
[85] 2019-08-09
[86] 2018-01-30 (PCT/EP2018/052306)
[87] (WO2018/145960)
[30] EP (17155331.6) 2017-02-09

**Canadian Patents Issued
March 24, 2020**

[11] **3,054,975**
[13] C

[51] **Int.Cl. A61K 31/216 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07C 69/732 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR INHIBITING BLOOD CANCER CELL GROWTH**

[54] **COMPOSITIONS ET PROCÉDES POUR INHIBER LA CROISSANCE CELLULAIRE D'UN CANCER DU SANG**

[72] MURUGESAN, ALLI, CA
[72] REIMAN, ANTHONY, CA
[72] TOUAIBIA, MOHAMED, CA
[73] UNIVERSITY OF NEW BRUNSWICK,
[73] UNIVERSITE DE MONCTON,
[85] 2019-08-29
[86] 2018-10-22 (PCT/CA2018/000198)
[87] (WO2019/075549)
[30] US (62/575,136) 2017-10-20

[11] **3,056,574**
[13] C

[51] **Int.Cl. A23L 5/00 (2016.01) A23L 5/30 (2016.01) A23L 19/00 (2016.01) A23L 27/00 (2016.01) A23L 27/10 (2016.01)**

[25] EN

[54] **PASTE CONTAINING FINE FOOD PARTICLES, AND METHOD FOR PRODUCING SAME**

[54] **PÂTE RENFERMANT DES PARTICULES ALIMENTAIRES FINES ET METHODE DE PRODUCTION ASSOCIEE**

[72] HIGUCHI, TATSUYA, JP
[72] IHARA, JUNICHIRO, JP
[73] MIZKAN HOLDINGS CO., LTD.,
[85] 2019-09-13
[86] 2018-07-03 (PCT/JP2018/025135)
[87] (WO2019/138596)
[30] JP (2018-003783) 2018-01-12

[11] **3,058,993**
[13] C

[51] **Int.Cl. F28F 3/00 (2006.01) H01M 10/6557 (2014.01) F25D 9/00 (2006.01) F28D 21/00 (2006.01)**

[25] EN

[54] **CONFORMAL FLUID-COOLED HEAT EXCHANGER FOR BATTERY**

[54] **ECHANGEUR DE CHALEUR CONFORME REFROIDI PAR FLUIDE POUR BATTERIE**

[72] VANDERWEES, DOUG, CA
[73] DANA CANADA CORPORATION,
[86] (3058993)
[87] (3058993)
[22] 2011-10-03
[62] 2,812,199
[30] US (61/389,301) 2010-10-04

[11] **3,064,525**
[13] C

[51] **Int.Cl. C25C 7/02 (2006.01) C23F 1/02 (2006.01) C25C 1/08 (2006.01) C25D 17/12 (2006.01)**

[25] EN

[54] **CATHODE PLATE FOR METAL ELECTRODEPOSITION AND MANUFACTURING METHOD FOR SAME**

[54] **PLAQUE DE CATHODE POUR ELECTRODEPOSITION DE METAL ET SON PROCÉDE DE FABRICATION**

[72] WATANABE, HIROTO, JP
[72] MATSUOKA, ITSUMI, JP
[72] SENBA, YUSUKE, JP
[72] KOBAYASHI, HIROSHI, JP
[73] SUMITOMO METAL MINING CO., LTD.,
[85] 2019-11-21
[86] 2018-03-29 (PCT/JP2018/013187)
[87] (WO2018/220979)
[30] JP (2017-105796) 2017-05-29

[11] **3,065,866**
[13] C

[51] **Int.Cl. B03B 9/06 (2006.01) E21B 21/06 (2006.01)**

[25] EN

[54] **SLURRY HANDLING APPARATUS**

[54] **APPAREIL DE MANIPULATION DE BOUE**

[72] HUMPHREY, ALEX, GB
[72] EASTWOOD, DARREN, GB
[73] CDENVIRO LIMITED,
[85] 2019-12-02
[86] 2018-05-22 (PCT/EP2018/063330)
[87] (WO2018/224298)
[30] GB (1708952.5) 2017-06-06
[30] GB (1720848.9) 2017-12-14

Canadian Applications Open to Public Inspection

March 8, 2020 to March 14, 2020

Demandes canadiennes mises à la disponibilité du public

8 mars 2020 au 14 mars 2020

[21] **3,013,877**
[13] A1
[51] **Int.Cl. A46B 5/02 (2006.01) A45D 24/16 (2006.01)**
[25] EN
[54] **GEMINI TWIN-HANDLE HAIR STYLING BRUSH**
[54] **BROSSE A CHEVEUX A DOUBLE MANCHE JUMEELEE**
[72] MATTHEW, GEORGINA, CA
[71] MATTHEW, GEORGINA, CA
[22] 2018-09-11
[41] 2020-03-11

[21] **3,016,956**
[13] A1
[51] **Int.Cl. B63B 35/00 (2020.01) B63B 3/14 (2006.01) B63B 3/62 (2006.01) B63H 5/125 (2006.01) B63H 5/20 (2006.01)**
[25] EN
[54] **MERCHANT SHIP CAPABLE OF SAILING IN FROZEN SEA AREA AND OPERATION METHOD THEREOF**
[54] **NAVIRE MARCHAND CAPABLE DE NAVIGUER DANS LA ZONE MARINE GELEE ET SON MODE DE FONCTIONNEMENT**
[72] NOBUYOSHI, MORIMOTO, JP
[71] NOBUYOSHI, MORIMOTO, JP
[22] 2018-09-10
[41] 2020-03-10

[21] **3,016,973**
[13] A1
[51] **Int.Cl. F24H 9/14 (2006.01) A01F 25/12 (2006.01) A01F 25/16 (2006.01) F16L 41/02 (2006.01) F24F 13/02 (2006.01) F26B 21/00 (2006.01)**
[25] EN
[54] **ADAPTER DEVICE FOR COUPLING A CONSTRUCTION HEATER TO AN EXISTING GRAIN BIN AERATION FAN**
[54] **DISPOSITIF ADAPTEUR DE RACCORDEMENT D'UN RADIATEUR DE CONSTRUCTION A UN VENTILATEUR POUR CELLULE A GRAINS**
[72] ROGOSCHEWSKY, STEVEN, CA
[71] 102055301 SASKATCHEWAN LTD., CA
[22] 2018-09-10
[41] 2020-03-10

[21] **3,016,982**
[13] A1
[51] **Int.Cl. G06F 17/10 (2006.01) G06F 9/46 (2006.01)**
[25] EN
[54] **CLOUD COMPUTING: ESTIMATION OF EXECUTION DURATION PERTINENT TO CONCURRENT EXECUTION OF THREADS**
[54] **INFORMATIQUE EN NUAGE : ESTIMATION DE LA DUREE D'EXECUTION APPLICABLE A L'EXECUTION SIMULTANEE DE FILS**
[72] MOHAMMADIAN ABKENAR, SEYED MOJTABA SMMA, CA
[71] MOHAMMADIAN ABKENAR, SEYED MOJTABA SMMA, CA
[22] 2018-09-10
[41] 2020-03-10

[21] **3,016,983**
[13] A1
[51] **Int.Cl. G99Z 99/00 (2006.01) H05H 1/00 (2006.01) H05H 15/00 (2006.01) G06F 8/00 (2018.01)**
[25] EN
[54] **CREATING WORMHOLE**
[54] **CREATION DE TROU DE VER**
[72] MOHAMMADIAN ABKENAR, SEYED MOJTABA SMMA, CA
[71] MOHAMMADIAN ABKENAR, SEYED MOJTABA SMMA, CA
[22] 2018-09-10
[41] 2020-03-10

[21] **3,016,998**
[13] A1
[51] **Int.Cl. G06Q 20/20 (2012.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **PAYMENT AND MERCHANT LOYALTY BASED ON CUSTOMER IDENTIFIERS**
[54] **PROGRAMME DE FIDELISATION DE COMMERCANT ET PAIEMENT SUR LA BASE D'IDENTIFIANTS CLIENT**
[72] GLEESON, BRYAN MICHAEL, CA
[72] ECKER, JEFFREY AARON, CA
[72] MCPHEE, ADAM DOUGLAS, CA
[72] WAKIM, MATTA, CA
[72] ODOBETSKIY, KYRYLL, CA
[72] LEE, JOHN JONG SUK, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2018-09-10
[41] 2020-03-10
[30] US (16/126,227) 2018-09-10

**Canadian Applications Open to Public Inspection
March 8, 2020 to March 14, 2020**

[21] **3,017,007**
[13] A1

[51] **Int.Cl. H04B 7/185 (2006.01) H04W 28/16 (2009.01) H04B 17/309 (2015.01)**

[25] EN

[54] **RESOURCE DEPLOYMENT OPTIMIZER FOR NON-GEOSTATIONARY COMMUNICATIONS SATELLITES**

[54] **OPTIMISEUR DE DEPLOIEMENT DE RESSOURCES POUR SATELLITES NON GEOSTATIONNAIRES DE TELECOMMUNICATIONS**

[72] CHOINIÈRE, ERIC, CA
[72] MINHAS, RAHUL, CA
[71] TELESAT CANADA, CA
[22] 2018-09-10
[41] 2020-03-10

[21] **3,017,014**
[13] A1

[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/00 (2019.01)**

[25] EN

[54] **METHODS AND DEVICES FOR IDENTIFYING RELEVANT INFORMATION FOR A FIRST ENTITY**

[54] **PROCEDES ET DISPOSITIFS D'IDENTIFICATION DE RENSEIGNEMENTS UTILES POUR UNE PREMIERE ENTITE**

[72] CAPUTO, EUGENIO, CA
[72] WIGINTON, CAMERON SCOTT, CA
[72] PAYNE, DEREK MURRAY, CA
[72] LEMOINE, MICHELLE, CA
[72] HAWTHORNE, JULIE ELIZABETH, CA

[72] MALLIAH, AVINASH, CA
[72] BRISEBOIS, WENDY GAYLE, CA
[72] JOHNSTON, DARREN, CA
[72] WEPPLER, RHONDA BRENDA, CA
[72] PARKER, DENNIS HAROLD, CA
[72] CURRAN, JONATHAN ROBERT, CA
[72] VAN ARRAGON, TREVOR JAMES, CA

[72] BODDISON, GREGORY, CA
[72] PITCHER, MATTHEW ALLAN, CA
[72] CARLE, ANGELIQUE LOUISE, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2018-09-10
[41] 2020-03-10

[21] **3,017,015**
[13] A1

[51] **Int.Cl. G07C 15/00 (2006.01) G07B 3/02 (2006.01) A63F 3/06 (2006.01)**

[25] EN

[54] **APPARATUS FOR DISPENSING A LOTTERY TICKET**

[54] **DISTRIBUTEUR DE BILLETS DE LOTERIE**

[72] LAVOIE, PIERRE J., CA
[72] CATIGAY, SINDY R., CA
[72] WATTIS, KRISTINE S., CA
[72] BRICKWOOD, MICHAEL J., CA
[72] CLOUTIER, JULIA E., CA
[72] EDGINTON, TIMOTHY G., CA
[72] NGUYEN, PETER, CA
[72] TAYLOR, BRETT C., CA
[72] BETTCHER, NANCY, CA
[71] POLLARD BANKNOTE LIMITED, CA
[22] 2018-09-10
[41] 2020-03-10

[21] **3,017,016**
[13] A1

[51] **Int.Cl. G06F 17/00 (2019.01) G06Q 40/02 (2012.01) H04L 12/16 (2006.01)**

[25] EN

[54] **METHODS AND DEVICES FOR DETERMINING, AND IDENTIFYING INFORMATION TO MANAGE, A LEVEL OF RISK OF A FIRST ENTITY**

[54] **PROCEDES ET DISPOSITIFS POUR DETERMINER UN NIVEAU DE RISQUE D'UNE PREMIERE ENTITE ET RECENSER DES RENSEIGNEMENTS A GERER**

[72] CAPUTO, EUGENIO, CA
[72] WIGINTON, CAMERON SCOTT, CA
[72] PAYNE, DEREK MURRAY, CA
[72] LEMOINE, MICHELLE, CA
[72] HAWTHORNE, JULIE ELIZABETH, CA

[72] MALLIAH, AVINASH, CA
[72] BRISEBOIS, WENDY GAYLE, CA
[72] JOHNSTON, DARREN, CA
[72] WEPPLER, RHONDA BRENDA, CA
[72] PARKER, DENNIS HAROLD, CA
[72] CURRAN, JONATHAN ROBERT, CA
[72] VAN ARRAGON, TREVOR JAMES, CA

[72] BODDISON, GREGORY, CA
[72] PITCHER, MATTHEW ALLAN, CA
[72] CARLE, ANGELIQUE LOUISE, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2018-09-10
[41] 2020-03-10

[21] **3,017,069**
[13] A1

[51] **Int.Cl. C10L 11/04 (2006.01)**

[25] EN

[54] **FIRE ENHANCEMENT DEVICE**

[54] **APPAREIL DE FACILITATION DU FEU**

[72] MICK, PATRICK, US
[71] MICKWICK, LLC, US
[22] 2018-09-11
[41] 2020-03-11

[21] **3,017,126**
[13] A1

[51] **Int.Cl. A01G 9/029 (2018.01) A01G 13/02 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR WRAPPING SEEDLINGS**

[54] **APPAREIL ET METHODE D'EMBALLAGE DE SEMIS**

[72] FIALKOWSKI, MARK, CA
[71] HELIX MANUFACTURING LTD., CA
[22] 2018-09-12
[41] 2020-03-12

[21] **3,017,151**
[13] A1

[51] **Int.Cl. G06Q 40/02 (2012.01) G07F 19/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR AUTOMATED DEPOSIT ITEM HANDLING**

[54] **SYSTEME ET PROCEDE DE TRAITEMENT AUTOMATISE D'ARTICLES DE DEPOT**

[72] PRATTEN, A. WARREN, CA
[72] MARTIN, RANDALL WALTON, CA
[72] LOZON, MARTIN ALBERT, CA
[72] ANDERSON, GRAHAM ALLAN, CA
[72] BHADRA, RATNADEEP, CA
[72] MCCRAE, JAMES KENNETH, CA
[72] D'AGOSTINO, DINO PAUL, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2018-09-12
[41] 2020-03-12

**Demandes canadiennes mises à la disponibilité du public
8 mars 2020 au 14 mars 2020**

[21] **3,017,155**
[13] A1

[51] **Int.Cl. H02B 99/00 (2009.01) H02B 1/14 (2006.01) H02G 7/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR PROTECTING A COMPONENT OF A POWER DISTRIBUTION SYSTEM AGAINST WILDLIFE**
[54] **APPAREIL DE PROTECTION DE COMPOSANT D'UN SYSTEME DE DISTRIBUTION ELECTRIQUE**
[72] NILES, MARTIN S., CA
[72] LEROUZIC, EDMOND, CA
[72] ALFARO, PAUL, US
[72] YEATS, KEITH, CA
[72] YOKOTA, DICK, US
[71] CANTEGA TECHNOLOGIES INC., CA
[22] 2018-09-12
[41] 2020-03-12

[21] **3,017,167**
[13] A1

[51] **Int.Cl. F24H 9/20 (2006.01) F17D 1/04 (2006.01) F17D 3/01 (2006.01) F23N 1/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING GAS CONSUMPTION BY GAS-FIRED WATER HEATERS**
[54] **SYSTEME ET METHODE DE REGULATION DE LA CONSOMMATION DE GAZ PAR DES CHAUFFE-EAU A GAZ**
[72] LESAGE, CLAUDE, CA
[71] LESAGE, CLAUDE, CA
[22] 2018-09-12
[41] 2020-03-12

[21] **3,017,169**
[13] A1

[51] **Int.Cl. B29C 64/118 (2017.01) B29C 64/106 (2017.01) B29C 64/209 (2017.01) B29C 64/321 (2017.01)**
[25] EN
[54] **FUSED PELLETS PRINTING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'IMPRESSION A PASTILLES FUSIONNEES**
[72] KHONDOKER, MOHAMMAD A., CA
[72] SAMEOTO, DAN, CA
[71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA
[22] 2018-09-11
[41] 2020-03-10
[30] US (62/729,259) 2018-09-10

[21] **3,017,173**
[13] A1

[51] **Int.Cl. A61F 5/41 (2006.01)**
[25] EN
[54] **PENIS ENHANCEMENT SYSTEM**
[54] **SYSTEME D'AGRANDISSEMENT DU PENIS**
[72] VAN DER WOLK, PHILIP, US
[71] VAN DER WOLK, PHILIP, US
[22] 2018-09-11
[41] 2020-03-11

[21] **3,017,179**
[13] A1

[51] **Int.Cl. A61B 17/88 (2006.01) A61F 2/38 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **ORTHOPAEDIC SURGICAL INSTRUMENT SYSTEM AND METHOD FOR DETACHING TRIAL CONSTRUCT ASSEMBLIES**
[54] **SYSTEME D'INSTRUMENTS CHIRURGICAUX ORTHOPEDIQUES ET PROCEDE POUR ENLEVER DES ASSEMBLAGES DE CONSTRUCTION DE COMPOSANTS D'ESSAI**
[72] TSUKAYAMA, CRAIG S., US
[72] WHITEE, PHILLIP G., US
[72] LEWIS, JEREMIAH M., US
[72] PENNINGER, CHARLES L., US
[72] AMARAL, FRANCISCO A., US
[72] HATHAWAY, TYLER S., US
[72] LASHURE, DANIEL E., US
[71] DEPUTY IRELAND UNLIMITED COMPANY, IE
[22] 2018-09-11
[41] 2020-03-11

[21] **3,017,186**
[13] A1

[51] **Int.Cl. A23L 2/52 (2006.01) A23L 29/10 (2016.01) A23L 33/105 (2016.01) A23D 7/02 (2006.01) A23L 2/38 (2006.01) A23L 2/56 (2006.01)**
[25] EN
[54] **METHOD AND FORMULATION FOR OIL EMULSIFICATION**
[54] **METHODE ET PREPARATION POUR L'EMULSIFICATION DE L'HUILE**
[72] LAPOINTE, ERIK, CA
[72] PALUMBO, MICHAEL, CA
[72] BAUER, RYAN, CA
[71] DYNAMIX CORPORATION, CA
[22] 2018-09-11
[41] 2020-03-11

[21] **3,017,188**
[13] A1

[51] **Int.Cl. G02B 27/09 (2006.01) F21V 8/00 (2006.01) F21V 13/02 (2006.01) G02B 21/06 (2006.01) G02B 27/18 (2006.01) F21V 5/04 (2006.01)**
[25] EN
[54] **OPTICAL INTEGRATOR AND ILLUMINATION DEVICE USING THE SAME**
[54] **INTEGRATEUR OPTIQUE ET DISPOSITIF D'ECLAIRAGE AVEC LE MEME DISPOSITIF**
[72] VOKHMIN, PETER A., CA
[71] VOKHMIN, PETER A., CA
[22] 2018-09-12
[41] 2020-03-12

[21] **3,017,215**
[13] A1

[51] **Int.Cl. G06F 3/0488 (2013.01) G06F 3/0484 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD TO CONFIGURE A DATA TRANSFER USING A CONTINUOUS GESTURE**
[54] **SYSTEME ET PROCEDE DE CONFIGURATION DE TRANSFERT DE DONNEES A L'AIDE D'ENTREES GESTUELLES EN CONTINU**
[72] GERVAIS, STEVEN, CA
[72] HORVATH, PETER, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2018-09-13
[41] 2020-03-13

[21] **3,017,278**
[13] A1

[51] **Int.Cl. B23B 51/12 (2006.01) B23B 31/00 (2006.01)**
[25] EN
[54] **DRILL CHUCK ADAPTOR SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE POUR ADAPTATEUR DE MANDRIN PORTE-FORET**
[72] DRAGON, STEVE W., CA
[71] DRAGON, STEVE W., CA
[22] 2018-09-13
[41] 2020-03-13

Canadian Applications Open to Public Inspection
March 8, 2020 to March 14, 2020

[21] **3,017,287**
[13] A1

[51] **Int.Cl. H04W 16/20 (2009.01) H04W 64/00 (2009.01) G01D 21/02 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR INDOOR POSITIONING OF A DEVICE THROUGH A FUSION OF A PLURALITY OF BLUETOOTH SIGNALS**

[54] **PROCEDES ET SYSTEMES DE POSITIONNEMENT INTERIEUR D'UN DISPOSITIF PAR FUSION D'UNE MULTITUDE DE SIGNAUX BLUETOOTH**

[72] ANSARI, OSAMA ASLAM, CA
[72] GONG, YUZHONG, CA
[72] TING, WING NAM, CA
[71] ANSARI, OSAMA ASLAM, CA
[71] GONG, YUZHONG, CA
[71] TING, WING NAM, CA
[22] 2018-09-13
[41] 2020-03-13

[21] **3,017,292**
[13] A1

[51] **Int.Cl. B32B 3/12 (2006.01) B32B 15/08 (2006.01) E04B 1/66 (2006.01) E04B 1/76 (2006.01)**

[25] EN

[54] **THERMALLY INSULATED SHEET**

[54] **FEUILLE ISOLEE THERMIQUEMENT**

[72] OROLOGIO, FURIO JOHN, CA
[71] OROLOGIO, FURIO JOHN, CA
[22] 2018-09-13
[41] 2020-03-13

[21] **3,017,295**
[13] A1

[51] **Int.Cl. B62K 1/00 (2006.01) B62M 6/40 (2010.01)**

[25] EN

[54] **ZHOU UNICYCLE**

[54] **MONOCYCLE DE ZHOU**

[72] ZHOU, JING YUAN J., CA
[72] ZHOU, JIHUA J., CA
[72] UNKNOWN, XX
[71] ZHOU, JING YUAN J., CA
[71] ZHOU, JIHUA J., CA
[22] 2018-09-13
[41] 2020-03-13

[21] **3,017,306**
[13] A1

[51] **Int.Cl. A47C 16/02 (2006.01)**

[25] EN

[54] **LEG RAISER SYSTEMS**

[54] **SYSTEMES SOULEVEE-JAMBES**

[72] TAYLOR, EUGENE, CA
[71] TAYLOR, EUGENE, CA
[22] 2018-09-13
[41] 2020-03-13

[21] **3,017,375**
[13] A1

[51] **Int.Cl. G06F 9/46 (2006.01) H04N 21/4147 (2011.01) G06F 9/48 (2006.01)**

[25] EN

[54] **SECURED MULTI-PROCESS ARCHITECTURE**

[54] **ARCHITECTURE MULTIPROCESSUS SECURISEE**

[72] BOOTH, DANIEL JAMES, CA
[72] HO, THANH TAM, CA
[72] MARLATT, SHAUN P., CA
[71] AVIGILON CORPORATION, CA
[22] 2018-09-13
[41] 2020-03-10
[30] US (62/729,332) 2018-09-10

[21] **3,017,452**
[13] A1

[51] **Int.Cl. E02F 3/815 (2006.01) A01B 39/04 (2006.01) A01B 39/12 (2006.01) A01B 63/16 (2006.01)**

[25] EN

[54] **LEVELLING APPARATUS**

[54] **APPAREIL DE NIVELLEMENT**

[72] LACASSE, JASMIN, CA
[71] LACASSE, JASMIN, CA
[22] 2018-09-14
[41] 2020-03-14

[21] **3,017,459**
[13] A1

[51] **Int.Cl. G05F 1/46 (2006.01) H02J 7/35 (2006.01) H02J 9/00 (2006.01)**

[25] EN

[54] **MODULAR SOLAR LIGHTING AND POWER MANAGEMENT SYSTEM AND APPARATUS**

[54] **SYSTEME D'ECLAIRAGE SOLAIRE MODULAIRE ET DE GESTION D'ENERGIE ET APPAREIL**

[72] HAWLEY, MARK, AU
[72] FLINT, TONY, AU
[71] REDI-LITE PTY LTD, AU
[22] 2018-09-14
[41] 2020-03-14

[21] **3,017,465**
[13] A1

[51] **Int.Cl. C12N 15/40 (2006.01) A01H 5/00 (2018.01) A01P 1/00 (2006.01) A01P 15/00 (2006.01) C07K 14/08 (2006.01) C12N 5/10 (2006.01) C12N 7/01 (2006.01) C12N 7/04 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **BIOLOGICAL CONTROL OF CUCUMBER GREEN MOTTLE MOSAIC VIRUS**

[54] **CONTROLE BIOLOGIQUE DU VIRUS DE LA MOSAIQUE A MARBRURE VERTE DU CONCOMBRE**

[72] WANG, KERI, CA
[72] LAZAROVITS, GEORGE, CA
[72] LIU, YIBIN, CA
[72] KONOPKA, MAGDA, CA
[72] PATTERSON, GREG, CA
[71] A&L CANADA LABORATORIES INC., CA
[22] 2018-09-14
[41] 2020-03-14

Demandes canadiennes mises à la disponibilité du public
8 mars 2020 au 14 mars 2020

[21] **3,017,468**
[13] A1

[51] **Int.Cl. G06Q 20/38 (2012.01) H04L 9/32 (2006.01) H04L 12/16 (2006.01)**

[25] EN

[54] **ELECTRONIC ACCOUNT SETTLEMENT VIA DISTINCT COMPUTER SERVERS**

[54] **REGLEMENT ELECTRONIQUE DE COMPTE A L' AIDE DE SERVEURS INFORMATIQUES DISTINCTS**

[72] DUNJIC, MILOS, CA

[72] TAX, DAVID SAMUEL, CA

[72] JAGGA, ARUN VICTOR, CA

[71] THE TORONTO-DOMINION BANK, CA

[22] 2018-09-14

[41] 2020-03-14

[21] **3,017,471**
[13] A1

[51] **Int.Cl. A01K 89/00 (2006.01) A01K 89/017 (2006.01) B65H 39/00 (2006.01) B65H 75/00 (2006.01)**

[25] EN

[54] **FISHING REEL APPARATUS**

[54] **APPAREIL DESTINE A UN MOULINET DE PECHE**

[72] AKSOY, OGUZ B., CA

[71] AKSOY, OGUZ B., CA

[22] 2018-09-14

[41] 2020-03-14

[21] **3,017,488**
[13] A1

[51] **Int.Cl. A61K 8/30 (2006.01) A61H 39/00 (2006.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01)**

[25] EN

[54] **COSMETIC ELECTRO-ACUPUNCTURE WITHOUT NEEDLES AND CORNEOTHERAPY BEAUTY TREATMENT**

[54] **ELECTROPUNCTURE COSMETIQUE SANS AIGUILLES ET TRAITEMENT ESTHETIQUE PAR CORNEOTHERAPIE**

[72] LIATSIKOS, KONSTANTINOS D., CA

[72] TZIMPOULAS, ANTONIOS E., CA

[71] LIATSIKOS, KONSTANTINOS D., CA

[71] TZIMPOULAS, ANTONIOS E., CA

[22] 2018-09-14

[41] 2020-03-14

[21] **3,017,525**
[13] A1

[51] **Int.Cl. A61F 5/445 (2006.01) A61F 5/44 (2006.01)**

[25] EN

[54] **SANITARY STOMA SYSTEM AND METHOD**

[54] **APPAREILLAGE ET SYSTEME POUR STOMIE SANITAIRES**

[72] HRUSHKA, GARRY A., CA

[72] HARMAN HRUSHKA, ELIZABETH A., CA

[71] HRUSHKA, GARRY A., CA

[71] HARMAN HRUSHKA, ELIZABETH A., CA

[22] 2018-09-17

[41] 2020-03-14

[30] US (16132261) 2018-09-14

[21] **3,017,526**
[13] A1

[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/47 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **METHOD OF TREATMENT AND DEVICE FOR THE IMPROVED BIOAVAILABILITY OF LEUKOTRIENE RECEPTOR ANTAGONISTS**

[54] **METHODE DE TRAITEMENT ET DISPOSITIF POUR LA BIODISPONIBILITE AMELIOREE D'ANTAGONISTES DES RECEPTEURS DE LEUCOTRIENE**

[72] CONWAY, JUSTIN, CA

[72] OBEID, RODOLPHE, CA

[72] PAIEMENT, NADINE, CA

[72] ZERBE, HORST, CA

[72] AIGNER, LUDWIG, DE

[72] MICHAEL, JOHANNA, AT

[71] INTELGENX CORP., CA

[22] 2018-09-14

[41] 2020-03-14

[21] **3,017,560**
[13] A1

[51] **Int.Cl. C10G 1/02 (2006.01) C10G 1/00 (2006.01) C10G 1/04 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR PROCESSING OIL SOURCE MATERIAL AND OTHER MATERIALS**

[54] **PROCEDE ET SYSTEME DE TRAITEMENT DE MATIERES HUILEUSES SOURCES ET D' AUTRES MATIERES**

[72] THE, JESSE L., CA

[72] FRASER, ROYDON, CA

[71] LAKES ENVIRONMENTAL RESEARCH INC., CA

[22] 2018-09-14

[41] 2020-03-14

[21] **3,018,083**
[13] A1

[51] **Int.Cl. F24T 10/00 (2018.01) E02D 29/00 (2006.01) E21B 41/00 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR INSTALLING GEOTHERMAL HEAT EXCHANGER**

[54] **PROCEDE ET APPAREIL POUR L'INSTALLATION D' ECHANGEUR DE CHALEUR GEOTHERMIQUE**

[72] REITSMA, STANLEY, CA

[71] GEOSOURCE ENERGY INC., CA

[22] 2018-09-20

[41] 2020-03-14

[30] US (16/131,156) 2018-09-14

[21] **3,018,519**
[13] A1

[51] **Int.Cl. F16M 13/00 (2006.01) A62C 13/78 (2006.01) F16M 13/02 (2006.01)**

[25] EN

[54] **ACCESSORY MOUNTING BRACKET**

[54] **SUPPORT DE MONTAGE POUR ACCESSOIRES**

[72] KULICK, MICHAEL, US

[71] SCOSCHE INDUSTRIES, INC., US

[22] 2018-09-25

[41] 2020-03-11

[30] US (16/127,874) 2018-09-11

Canadian Applications Open to Public Inspection
March 8, 2020 to March 14, 2020

[21] **3,020,401**
[13] A1

[51] **Int.Cl. G06F 3/01 (2006.01) G02B 27/01 (2006.01) G06F 3/14 (2006.01) G06Q 40/02 (2012.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR RECEIVING USER INPUT IN VIRTUAL/AUGMENTED REALITY**

[54] **SYSTEME ET METHODE DE RECEPTION D'ENTREES D'UTILISATEUR DANS UN SYSTEME DE REALITE VIRTUELLE ET AUGMENTEE**

[72] SUTTER, LEVI, CA

[72] NAVARRO, MIGUEL, CA

[71] THE TORONTO-DOMINION BANK, CA

[22] 2018-10-11

[41] 2020-03-14

[30] US (16/131,647) 2018-09-14

[21] **3,024,037**
[13] A1

[51] **Int.Cl. H01H 13/70 (2006.01) G06F 1/16 (2006.01) G06F 3/02 (2006.01) H01H 13/83 (2006.01) H01H 13/86 (2006.01) H03M 11/04 (2006.01)**

[25] EN

[54] **LIGHT-EMITTING DEVICE APPLICABLE TO NOTEBOOK COMPUTER KEYBOARD AND USING METHOD THEREOF**

[54] **DISPOSITIF ELECTROLUMINESCENT APPLICABLE A UN CLAVIER D'ORDINATEUR BLOC-NOTES ET SON PROCEDE D'UTILISATION**

[72] UNKNOWN, XX

[71] ZHOU, LIANHUI, CN

[22] 2018-11-14

[41] 2020-03-10

[30] CN (2018110517099) 2018-09-10

[21] **3,026,371**
[13] A1

[51] **Int.Cl. A61H 23/00 (2006.01) A61N 7/00 (2006.01) A61B 17/22 (2006.01)**

[25] EN

[54] **ACOUSTIC SHOCK WAVE THERAPEUTIC METHODS TO TREAT MEDICAL CONDITIONS USING REFLEXOLOGY ZONES**

[54] **METHODES THERAPEUTIQUES A ONDES DE CHOC ACOUSTIQUES POUR TRAITER DES PROBLEMES DE SANTE A L'AIDE DE ZONES REFLEXOLOGIQUES**

[72] WARLICK, JOHN F., US

[72] FINNEY, JOHN PATRICK, US

[71] WARLICK, JOHN F., US

[71] FINNEY, JOHN PATRICK, US

[22] 2018-12-04

[41] 2020-03-13

[30] US (62730608) 2018-09-13

[21] **3,024,026**
[13] A1

[51] **Int.Cl. H01H 13/70 (2006.01) H04W 84/18 (2009.01) G06F 1/16 (2006.01) H01H 13/84 (2006.01) H01H 13/86 (2006.01)**

[25] EN

[54] **WATERPROOF COMPUTER KEYBOARD WITH COMPUTER ARCH STRUCTURE AND USING METHOD THEREOF**

[54] **CLAVIER D'ORDINATEUR ETANCHE A L'EAU AVEC STRUCTURE INFORMATIQUE EN FORME D'ARC ET SON PROCEDE D'UTILISATION**

[72] UNKNOWN, XX

[71] ZHOU, LIANHUI, CN

[22] 2018-11-14

[41] 2020-03-10

[30] CN (2018110517101) 2018-09-10

[21] **3,024,041**
[13] A1

[51] **Int.Cl. G06F 1/16 (2006.01) G06F 3/02 (2006.01)**

[25] EN

[54] **RETRACTABLE COMPUTER KEYBOARD WITH HAND-PAINTED BOARD AND USING METHOD THEREOF**

[54] **CLAVIER D'ORDINATEUR ESCAMOTABLE A PATEAU PEINT A LA MAIN ET SON PROCEDE D'UTILISATION**

[72] UNKNOWN, XX

[71] ZHOU, LIANHUI, CN

[22] 2018-11-14

[41] 2020-03-10

[30] CN (20181105170X) 2018-09-10

[21] **3,027,087**
[13] A1

[51] **Int.Cl. B05B 12/30 (2018.01) B60B 7/00 (2006.01)**

[25] EN

[54] **CASING PROTECTING A WHEEL RIM BEING PAINTED FROM SCRATCHING AGAINST ELEMENTS OF AN AUTOMATIC PAINTING LINE, PRIOR TO PAINTING**

[54] **ENVELOPPE PROTEGEANT UN MOYEU DE ROUE PEINT POUR EMPECHER LES ERAFLURES POSSIBLES AUX ELEMENTS D'UNE LIGNE DE PEINTURE AUTOMATIQUE, AVANT LA POSE DE LA PEINTURE**

[72] CZARNIK, SEBASTIAN, PL

[72] CZARNIK, PAWEL, PL

[71] DIPOL PLASTIC TECHNOLOGY SP. Z O.O., PL

[22] 2018-12-11

[41] 2020-03-12

[30] PL (W.127621) 2018-09-12

[21] **3,024,031**
[13] A1

[51] **Int.Cl. G06F 3/00 (2006.01)**

[25] EN

[54] **INPUT METHOD FOR FACILITATING INPUT OF WORDS**

[54] **METHODE D'ENTREE POUR FACILITER LA SAISIE DE MOTS**

[72] ZHOU, LIANHUI, CN

[71] ZHOU, LIANHUI, CN

[22] 2018-11-14

[41] 2020-03-10

[30] CN (2018110532173) 2018-09-10

**Demandes canadiennes mises à la disponibilité du public
8 mars 2020 au 14 mars 2020**

[21] **3,028,782**
[13] A1

[51] **Int.Cl. A61F 7/08 (2006.01) A61F 7/00 (2006.01) G05D 23/19 (2006.01) H05B 3/36 (2006.01)**

[25] EN

[54] **MULTIPLE USE ELECTRONIC HEAT THERAPY PATCHES**

[54] **TIMBRES DE THERMOTHERAPIE ELECTRONIQUES A USAGES MULTIPLES**

[72] YANG, SHUH-TSAI, CN

[72] WEISS, JOHN, US

[71] MULTITECH MEDICAL DEVICES USA LLC, US

[22] 2019-01-03

[41] 2020-03-10

[30] US (16/125,925) 2018-09-10

[21] **3,031,890**
[13] A1

[51] **Int.Cl. A61K 51/04 (2006.01) A61K 31/138 (2006.01) A61K 31/395 (2006.01) A61K 45/06 (2006.01) A61K 49/00 (2006.01) A61P 19/02 (2006.01) A61P 19/10 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **COMPOSITION FOR CROSS TALK BETWEEN ESTROGEN RECEPTORS AND CANNABINOID RECEPTORS**

[54] **COMPOSITION POUR LA DIAPHONIE ENTRE DES RECEPTEURS D'OESTROGENE ET DES RECEPTEURS CANNABINOIDES**

[72] YANG, DAVID J., US

[72] CHANG, WEI-CHUNG, TW

[72] CHUNG, MIN-CHING, TW

[72] KE, CHI-SHIANG, TW

[72] KUO, TSUNG-TIEN, TW

[71] SEECURE TAIWAN CO., LTD., CN

[22] 2019-01-30

[41] 2020-03-14

[30] US (16/131,045) 2018-09-14

[21] **3,044,887**
[13] A1

[51] **Int.Cl. F16M 13/02 (2006.01) B60R 11/04 (2006.01)**

[25] EN

[54] **DASH CAM MOUNT**

[54] **DISPOSITIF DE MONTAGE DE CAMERA DE TABLEAU DE BORD**

[72] YAMAMOTO, YASUHIRO, US

[71] SCOSCHE INDUSTRIES, INC., US

[22] 2019-05-31

[41] 2020-03-12

[30] US (62/730,321) 2018-09-12

[30] US (62/786,082) 2018-12-28

[30] US (16/420,471) 2019-05-23

[21] **3,047,570**
[13] A1

[51] **Int.Cl. H04W 4/30 (2018.01) G06Q 40/02 (2012.01) G06N 20/00 (2019.01) G06T 5/00 (2006.01) G06T 7/00 (2017.01)**

[25] EN

[54] **PROPENSITY MODEL BASED OPTIMIZATION**

[54] **OPTIMISATION BASEE SUR UN MODELE DE PROPENSION**

[72] DEWITT, BRANDON, US

[72] MCBRIDE, RYAN, US

[72] SMIT, SHANE, US

[72] BODILY, JOSH, US

[71] MX TECHNOLOGIES, INC., US

[22] 2019-06-21

[41] 2020-03-11

[30] US (16/128,401) 2018-09-11

[21] **3,049,063**
[13] A1

[51] **Int.Cl. G05D 1/10 (2006.01) B64D 45/00 (2006.01)**

[25] EN

[54] **METHODS AND APPARATUS FOR PROVIDING CONTINUOUS FLIGHT TRAJECTORIES FOR AIRCRAFT**

[54] **PROCEDES ET APPAREIL DESTINES A COMMUNIQUER DES TRAJECTOIRES DE VOL CONTINUES POUR UN AERONEF**

[72] HEIBERG, CHRISTOPHER J., US

[72] SCHOFIELD, KELLY, US

[71] THE BOEING COMPANY, US

[22] 2019-07-10

[41] 2020-03-11

[30] US (16/128430) 2018-09-11

[21] **3,049,423**
[13] A1

[51] **Int.Cl. B25B 7/04 (2006.01) B25B 7/18 (2006.01)**

[25] EN

[54] **PLIERS FOR TIGHTENING PARTS FOR LEVELLING CLADDING TILES**

[54] **PINCE POUR SERRAGE DE PIECES SERVANT AU NIVELLEMENT DES CARREAUX DE PAREMENT**

[72] QUESADA BARBERO, JUAN ANTONIO, ES

[71] GERMANS BOADA, S.A., ES

[22] 2019-07-12

[41] 2020-03-13

[30] ES (201830886) 2018-09-13

[21] **3,050,232**
[13] A1

[51] **Int.Cl. E04B 9/18 (2006.01)**

[25] EN

[54] **CEILING SYSTEM AND HANGER FOR SUSPENDING CEILING TILES OR PANELS THEREFROM**

[54] **SYSTEME DE PLAFOND ET SUPPORT POUR SUSPENDRE AU PLAFOND DES CARREAUX DE PLAFOND OU DES PANNEAUX**

[72] COOK, ANDREW, CA

[71] COOK, ANDREW, CA

[22] 2019-07-19

[41] 2020-03-11

[30] US (62/729,719) 2018-09-11

[21] **3,050,282**
[13] A1

[51] **Int.Cl. F02C 7/36 (2006.01) B64D 35/00 (2006.01) F02C 3/04 (2006.01) F02C 3/13 (2006.01) F02K 3/06 (2006.01)**

[25] EN

[54] **SPLIT COMPRESSOR SYSTEM ON MULTI-SPOOL ENGINE**

[54] **SYSTEME DE COMPRESSEUR BIBLOC SUR MOTEUR MULTICORPS**

[72] PLANTE, GHISLAIN, CA

[72] MORGAN, KEITH, CA

[72] COUTURE-GAGNON, VINCENT, CA

[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2019-07-19

[41] 2020-03-12

[30] US (16/128,928) 2018-09-12

**Canadian Applications Open to Public Inspection
March 8, 2020 to March 14, 2020**

[21] **3,050,284**
[13] A1

[51] **Int.Cl. B64D 37/34 (2006.01) B01D 45/04 (2006.01) B01D 46/00 (2006.01) F01D 25/32 (2006.01) F02C 7/22 (2006.01)**

[25] EN

[54] **ICE SEPARATOR OF A FUEL SYSTEM FOR A GAS TURBINE ENGINE**

[54] **SEPARATEUR DE GLACE D'UN SYSTEME D'ALIMENTATION EN CARBURANT POUR TURBINE A GAZ**

[72] BROCOLINI, IGNAZIO, CA

[72] MOKHTAR, HYTHAM, CA

[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2019-07-19

[41] 2020-03-10

[30] US (16/125,874) 2018-09-10

[21] **3,050,399**
[13] A1

[51] **Int.Cl. B08B 9/28 (2006.01) A47L 15/00 (2006.01) E03C 1/04 (2006.01)**

[25] EN

[54] **VESSEL RINSING APPARATUS**

[54] **DISPOSITIF DE RINCAGE DE RECIPIENTS**

[72] CIPRIANI, MARK, US

[72] TENTLER, ANTHONY J., US

[72] JUDGE, JACK W., US

[72] EADS, THAD J., US

[72] ROSKO, MICHAEL S., US

[72] LABRIE, RAOUL, US

[72] LAZARINI, ALEJANDRA, US

[72] VEROS, MICHAEL J., US

[71] DELTA FAUCET COMPANY, US

[22] 2019-07-23

[41] 2020-03-14

[30] US (16/131,035) 2018-09-14

[21] **3,050,779**
[13] A1

[51] **Int.Cl. A01B 69/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DETERMINING WORK ROUTES FOR AGRICULTURAL VEHICLES**

[54] **SYSTEME ET METHODE POUR DETERMINER DES ITINERAIRES DE TRAVAIL POUR DES VEHICULES AGRICOLES**

[72] KOWALCHUK, TREVOR L., US

[71] CNH INDUSTRIAL CANADA, LTD., CA

[22] 2019-07-30

[41] 2020-03-13

[30] US (16/130,372) 2018-09-13

[21] **3,050,879**
[13] A1

[51] **Int.Cl. G09F 3/10 (2006.01) G09F 3/02 (2006.01)**

[25] EN

[54] **LABEL STICKER**

[54] **ETIQUETTE AUTOCOLLANTE**

[72] WANG TSAI, CHIN-CHIH, TW

[71] WANG TSAI, CHIN-CHIH, TW

[22] 2019-07-30

[41] 2020-03-11

[30] TW (107131807) 2018-09-11

[21] **3,050,948**
[13] A1

[51] **Int.Cl. A01C 7/20 (2006.01)**

[25] EN

[54] **AGRICULTURAL PLANTER INCLUDING ADJUSTABLE ROW CLEANERS**

[54] **SEMOIR AGRICOLE DOTE DE DISPOSITIFS DE NETTOYAGE DE RANGEES REGLABLES**

[72] PETERSON, JAMES R., US

[72] MARIMAN, NATHAN A., US

[71] DEERE & COMPANY, US

[22] 2019-07-31

[41] 2020-03-13

[30] US (16/130,718) 2018-09-13

[21] **3,050,955**
[13] A1

[51] **Int.Cl. B60R 25/34 (2013.01) B60R 25/10 (2013.01)**

[25] EN

[54] **SERVICE VEHICLE STORAGE COMPARTMENT DOOR ALARM SYSTEM**

[54] **SYSTEME D'ALARME DE PORTE DE COMPARTIMENT DE RANGEMENT DE VEHICULE DE SERVICE**

[72] ZELENT, VERNON, CA

[71] ZELENT, VERNON, CA

[22] 2019-07-30

[41] 2020-03-13

[30] US (62/730,698) 2018-09-13

[30] US (62/800,120) 2019-02-01

[21] **3,050,967**
[13] A1

[51] **Int.Cl. F01D 25/16 (2006.01) F01D 25/28 (2006.01) F01D 25/30 (2006.01) F02C 7/06 (2006.01) F02K 1/78 (2006.01)**

[25] EN

[54] **TURBINE EXHAUST STRUCTURE FOR A GAS TURBINE ENGINE**

[54] **ELEMENT POUR GAZ D'ECHAPPEMENT DE TURBINE POUR TURBINE A GAZ**

[72] DUROCHER, ERIC, CA

[72] MACFARLANE, IAN A., CA

[72] PIETROBON, JOHN, CA

[72] HO, ERIC, CA

[72] ZEINALOV, JAMAL, CA

[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2019-07-31

[41] 2020-03-10

[30] US (16/126,473) 2018-09-10

Demandes canadiennes mises à la disponibilité du public
8 mars 2020 au 14 mars 2020

[21] **3,051,345**
[13] A1

[51] **Int.Cl. F01D 11/08 (2006.01) F02C 7/28 (2006.01) F16J 15/44 (2006.01) F16J 15/54 (2006.01)**

[25] EN

[54] **NON-AXISYMMETRIC BRUSH SEAL ASSEMBLY**

[54] **ENSEMBLE DE JOINTS EN BROSSES NON AXISYMETRIQUE**

[72] COUTU, DANIEL, CA

[72] THERATIL, IGNATIUS, CA

[72] HOULE, NICOLA, CA

[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2019-08-06

[41] 2020-03-11

[30] US (16/127,714) 2018-09-11

[21] **3,051,683**
[13] A1

[51] **Int.Cl. G06F 30/00 (2020.01) G06F 16/29 (2019.01) G09B 29/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR CREATING ELECTRONIC INDOOR MAPS**

[54] **SYSTEMES ET METHODES POUR CREER DES CARTES INTERIEURES ELECTRONIQUES**

[72] HARTFIEL, ADAM, CA

[71] MAPPEDIN INC., CA

[22] 2019-08-19

[41] 2020-03-10

[30] US (62/729,057) 2018-09-10

[21] **3,052,053**
[13] A1

[51] **Int.Cl. B61H 13/20 (2006.01) B60T 8/17 (2006.01)**

[25] EN

[54] **RAILWAY BRAKE CYLINDER MONITORING SYSTEM AND METHOD**

[54] **SYSTEME ET METHODE DE SURVEILLANCE DE CYLINDRE DE FREIN POUR VEHICULES FERROVIAIRES**

[72] GAUGHAN, EDWARD W., US

[72] POTTER, WILLIAM JOHN, US

[72] TROIANI, VINCENT F., US

[71] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US

[22] 2019-08-15

[41] 2020-03-11

[30] US (16/127,762) 2018-09-11

[21] **3,052,432**
[13] A1

[51] **Int.Cl. F02C 9/22 (2006.01) F01D 17/12 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR ADJUSTING A VARIABLE GEOMETRY MECHANISM**

[54] **METHODE ET SYSTEME DE REGLAGE D'UN MECANISME A GEOMETRIE VARIABLE**

[72] TANG, POI LOON, CA

[72] EVETTS, KIRSTEN JOAN, US

[72] BEAUCHESNE-MARTEL, PHILIPPE, CA

[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2019-08-16

[41] 2020-03-13

[30] US (62/731,011) 2018-09-13

[21] **3,052,496**
[13] A1

[51] **Int.Cl. E03F 5/04 (2006.01)**

[25] EN

[54] **DRAIN COUPLER WITH COMPRESSIBLE SEAL**

[54] **CONNECTEUR DE DRAIN A JOINT COMPRESSIBLE**

[72] DEGOOYER, LONNIE C., US

[71] SCHLUTER SYSTEMS (CANADA) INC., CA

[22] 2019-08-19

[41] 2020-03-10

[30] US (16/126,959) 2018-09-10

[21] **3,052,498**
[13] A1

[51] **Int.Cl. E03F 5/04 (2006.01) E03C 1/12 (2006.01)**

[25] EN

[54] **LOW-PROFILE DRAIN**

[54] **DRAIN DE FAIBLE EPAISSEUR**

[72] DEGOOYER, LONNIE C., US

[71] SCHLUTER SYSTEMS (CANADA) INC., CA

[22] 2019-08-19

[41] 2020-03-10

[30] US (16/126,971) 2018-09-10

[21] **3,052,589**
[13] A1

[51] **Int.Cl. H02G 3/14 (2006.01) G04F 3/00 (2006.01)**

[25] EN

[54] **ELECTRICAL BOX WITH REVERSIBLE COVER AND LATCH**

[54] **COFFRET ELECTRIQUE DOTE D'UN COUVERCLE ET D'UN VERROU REVERSIBLES**

[72] BALDWIN, JEFFREY P, US

[71] RELIANCE CONTROLS CORPORATION, US

[22] 2019-09-04

[41] 2020-03-10

[30] US (16/554,891) 2019-08-29

[30] US (62/729,216) 2018-09-10

[21] **3,052,602**
[13] A1

[51] **Int.Cl. B65B 63/04 (2006.01) A61B 17/06 (2006.01) B65B 17/00 (2006.01) B65H 54/22 (2006.01) B65H 54/68 (2006.01) B65H 55/00 (2006.01)**

[25] EN

[54] **UNIVERSAL WINDING MACHINE FOR A MULTITUDE OF TRAY DESIGNS**

[54] **BOBINOIR UNIVERSEL POUR UNE MULTITUDE DE CONCEPTIONS DE PLATEAUX**

[72] DEY, CLIFFORD, DE

[72] NEFF, INGMAR, DE

[72] BRECHT, SVEN, DE

[72] GATTNAR, JURGEN, DE

[72] RENZ, MARCEL, DE

[71] HARRO HOFGLIGER VERPACKUNGSMASCHINEN GMBH, DE

[22] 2019-08-21

[41] 2020-03-10

[30] EP (18 193 349.0) 2018-09-10

[21] **3,052,641**
[13] A1

[51] **Int.Cl. G10L 15/02 (2006.01) G10L 15/22 (2006.01)**

[25] EN

[54] **KEYWORD DETECTION IN THE PRESENCE OF MEDIA OUTPUT**

[54] **DETECTION DE MOTS-CLES POUR LECTEUR DE MEDIAS**

[72] KURTZ, SCOTT DAVID, US

[71] COMCAST CABLE COMMUNICATIONS, LLC, US

[22] 2019-08-20

[41] 2020-03-14

[30] US (16/131,968) 2018-09-14

**Canadian Applications Open to Public Inspection
March 8, 2020 to March 14, 2020**

[21] **3,052,694**
[13] A1

[51] **Int.Cl. C09D 7/63 (2018.01) C09D 5/00 (2006.01) C09D 201/00 (2006.01)**

[25] EN

[54] **INSULATING COMPOSITION AND KIT COMPRISING SUCH COMPOSITION**

[54] **COMPOSITION ISOLANTE ET TROUSSE COMPRENANT UNE TELLE COMPOSITION**

[72] FOGLIANI, FRANCO, IT

[72] VITALE, MARCELLO, IT

[72] PELLICCI, GIADA, IT

[71] IVM CHEMICALS S.R.L., IT

[22] 2019-08-20

[41] 2020-03-11

[30] IT (102018000008481) 2018-09-11

[21] **3,052,695**
[13] A1

[51] **Int.Cl. F02C 7/264 (2006.01) F02C 7/22 (2006.01) F02C 7/266 (2006.01) F23Q 7/22 (2006.01) F23R 3/00 (2006.01)**

[25] EN

[54] **IGNITER FOR GAS TURBINE ENGINE**

[54] **ALLUMEUR POUR TURBINE A GAZ**

[72] FREER, RICHARD, CA

[72] MCCALDON, KIAN, CA

[72] HU, TIN-CHEUNG JOHN, CA

[72] BOUSQUET, MICHEL, CA

[72] FORTIN, ANDRE, CA

[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2019-08-20

[41] 2020-03-12

[30] US (62/730,073) 2018-09-12

[30] US (16/369,644) 2019-03-29

[21] **3,052,697**
[13] A1

[51] **Int.Cl. F02C 7/264 (2006.01) F02C 7/22 (2006.01) F23Q 7/22 (2006.01) F23R 3/00 (2006.01)**

[25] EN

[54] **IGNITER FOR GAS TURBINE ENGINE**

[54] **ALLUMEUR POUR TURBINE A GAZ**

[72] FREER, RICHARD, CA

[72] MCCALDON, KIAN, CA

[72] HU, TIN-CHEUNG JOHN, CA

[72] BOUSQUET, MICHEL, CA

[72] FORTIN, ANDRE, CA

[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2019-08-20

[41] 2020-03-12

[30] US (62/730,065) 2018-09-12

[30] US (16/369,660) 2019-03-29

[21] **3,052,698**
[13] A1

[51] **Int.Cl. F02C 7/264 (2006.01) F01D 25/24 (2006.01) F02C 7/22 (2006.01) F02C 7/266 (2006.01) F23Q 7/22 (2006.01) F23R 3/00 (2006.01)**

[25] EN

[54] **IGNITER FOR GAS TURBINE ENGINE**

[54] **ALLUMEUR POUR TURBINE A GAZ**

[72] FREER, RICHARD, CA

[72] MCCALDON, KIAN, CA

[72] HU, TIN-CHEUNG JOHN, CA

[72] BOUSQUET, MICHEL, CA

[72] FORTIN, ANDRE, CA

[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2019-08-20

[41] 2020-03-12

[30] US (62/730,064) 2018-09-12

[30] US (16/369,661) 2019-03-29

[21] **3,052,711**
[13] A1

[51] **Int.Cl. F02C 7/264 (2006.01) F02C 7/266 (2006.01) F23Q 7/22 (2006.01) F23R 3/00 (2006.01)**

[25] EN

[54] **IGNITER FOR GAS TURBINE ENGINE**

[54] **ALLUMEUR POUR TURBINE A GAZ**

[72] FREER, RICHARD, CA

[72] MCCALDON, KIAN, CA

[72] HU, TIN-CHEUNG JOHN, CA

[72] BOUSQUET, MICHEL, CA

[72] FORTIN, ANDRE, CA

[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2019-08-20

[41] 2020-03-12

[30] US (62/730,068) 2018-09-12

[30] US (16/369,617) 2019-03-29

[21] **3,052,746**
[13] A1

[51] **Int.Cl. F24F 1/0011 (2019.01) F24F 1/0047 (2019.01) F24F 13/06 (2006.01)**

[25] EN

[54] **PNEUMATIC RADIATION AIR CONDITIONER**

[54] **CONDITIONNEUR D'AIR A RAYONNEMENT PNEUMATIQUE**

[72] KIMURA, KEIICHI, JP

[72] URANO, KATSUHIRO, JP

[72] SHIOJI, MASAKI, JP

[71] KIMURA KOHKI CO., LTD., JP

[22] 2019-08-22

[41] 2020-03-11

[30] JP (2018-169646) 2018-09-11

Demandes canadiennes mises à la disponibilité du public
8 mars 2020 au 14 mars 2020

[21] **3,052,780**
[13] A1

[51] **Int.Cl. F02C 7/264 (2006.01) F01D 25/24 (2006.01) F23Q 7/22 (2006.01) F23R 3/00 (2006.01)**

[25] EN
[54] **IGNITER FOR GAS TURBINE ENGINE**
[54] **ALLUMEUR POUR TURBINE A GAZ**

[72] FREER, RICHARD, CA
[72] MCCALDON, KIAN, CA
[72] HU, TIN-CHEUNG JOHN, CA
[72] BOUSQUET, MICHEL, CA
[72] FORTIN, ANDRE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-08-21
[41] 2020-03-12
[30] US (62/730,077) 2018-09-12
[30] US (16/369,838) 2019-03-29

[21] **3,052,880**
[13] A1

[51] **Int.Cl. F02C 7/264 (2006.01) F01D 19/00 (2006.01)**

[25] EN
[54] **IGNITER FOR GAS TURBINE ENGINE**
[54] **ALLUMEUR POUR TURBINE A GAZ**

[72] FREER, RICHARD, CA
[72] MCCALDON, KIAN, CA
[72] HU, TIN-CHEUNG JOHN, CA
[72] BOUSQUET, MICHEL, CA
[72] FORTIN, ANDRE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-08-22
[41] 2020-03-12
[30] US (62/730,078) 2018-09-12
[30] US (16/370,021) 2019-03-29

[21] **3,052,894**
[13] A1

[51] **Int.Cl. F02C 7/264 (2006.01) F01D 19/00 (2006.01) F23Q 7/22 (2006.01) F23R 3/00 (2006.01)**

[25] EN
[54] **IGNITER FOR GAS TURBINE ENGINE**
[54] **ALLUMEUR POUR TURBINE A GAZ**

[72] FREER, RICHARD, CA
[72] MCCALDON, KIAN, CA
[72] HU, TIN-CHEUNG JOHN, CA
[72] BOUSQUET, MICHEL, CA
[72] FORTIN, ANDRE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-08-22
[41] 2020-03-12
[30] US (62/730,064) 2018-09-12
[30] US (62/782,396) 2018-12-20
[30] US (16/369,837) 2019-03-29

[21] **3,052,783**
[13] A1

[51] **Int.Cl. F02C 7/264 (2006.01) F01D 25/24 (2006.01)**

[25] EN
[54] **IGNITER FOR GAS TURBINE ENGINE**
[54] **ALLUMEUR POUR TURBINE A GAZ**

[72] FREER, RICHARD, CA
[72] MCCALDON, KIAN, CA
[72] HU, TIN-CHEUNG JOHN, CA
[72] BOUSQUET, MICHEL, CA
[72] FORTIN, ANDRE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-08-21
[41] 2020-03-12
[30] US (62/730,074) 2018-09-12
[30] US (16/369,741) 2019-03-29

[21] **3,052,885**
[13] A1

[51] **Int.Cl. F02C 7/264 (2006.01) F01D 25/24 (2006.01) F02C 7/266 (2006.01) F23Q 7/22 (2006.01) F23R 3/00 (2006.01)**

[25] EN
[54] **IGNITER FOR GAS TURBINE ENGINE**
[54] **ALLUMEUR POUR TURBINE A GAZ**

[72] FREER, RICHARD, CA
[72] MCCALDON, KIAN, CA
[72] HU, TIN-CHEUNG JOHN, CA
[72] BOUSQUET, MICHEL, CA
[72] FORTIN, ANDRE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-08-22
[41] 2020-03-12
[30] US (62/730,086) 2018-09-12
[30] US (16/369,944) 2019-03-29

[21] **3,052,907**
[13] A1

[51] **Int.Cl. F02C 7/264 (2006.01) F02C 3/14 (2006.01) F02C 7/22 (2006.01) F23Q 7/22 (2006.01) F23R 3/00 (2006.01)**

[25] EN
[54] **IGNITER FOR GAS TURBINE ENGINE**
[54] **ALLUMEUR POUR TURBINE A GAZ**

[72] FREER, RICHARD, CA
[72] MCCALDON, KIAN, CA
[72] HU, TIN-CHEUNG JOHN, CA
[72] BOUSQUET, MICHEL, CA
[72] FORTIN, ANDRE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-08-22
[41] 2020-03-12
[30] US (62/730,085) 2018-09-12
[30] US (16/369,942) 2019-03-29

**Canadian Applications Open to Public Inspection
March 8, 2020 to March 14, 2020**

[21] **3,052,923**
[13] A1

[51] **Int.Cl. F02C 7/264 (2006.01) F02C 3/14 (2006.01) F02C 7/266 (2006.01) F23Q 7/22 (2006.01) F23R 3/00 (2006.01)**

[25] EN
[54] **IGNITER FOR GAS TURBINE ENGINE**

[54] **ALLUMEUR POUR TURBINE A GAZ**

[72] FREER, RICHARD, CA
[72] MCCALDON, KIAN, CA
[72] HU, TIN-CHEUNG JOHN, CA
[72] BOUSQUET, MICHEL, CA
[72] FORTIN, ANDRE, CA
[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2019-08-22
[41] 2020-03-12
[30] US (62/730,081) 2018-09-12
[30] US (16/369,899) 2019-03-29

[21] **3,052,933**
[13] A1

[51] **Int.Cl. F01D 9/02 (2006.01) F01D 9/04 (2006.01) F01D 25/24 (2006.01)**

[25] EN
[54] **MULTI-PIECE CARRIER ASSEMBLY FOR MOUNTING CERAMIC MATRIX COMPOSITE SEAL SEGMENTS**

[54] **ENSEMBLE SUPPORT MULTI-PIECES POUR MONTAGE DE SEGMENTS DE JOINTS EN COMPOSITES A MATRICE CERAMIQUE**

[72] WALSTON, JEFFREY A., US
[72] HURST, ANDREW, GB
[71] ROLLS-ROYCE CORPORATION, US
[71] ROLLS-ROYCE PLC, GB

[22] 2019-08-23
[41] 2020-03-12
[30] US (16/129294) 2018-09-12

[21] **3,053,020**
[13] A1

[51] **Int.Cl. A61B 17/115 (2006.01) A61B 17/064 (2006.01) A61M 31/00 (2006.01)**

[25] EN
[54] **DRUG PATTERNED REINFORCEMENT MATERIAL FOR CIRCULAR ANASTOMOSIS**

[54] **MATERIAU DE RENFORCEMENT A MOTIFS DE MEDICAMENT POUR ANASTOMOSE CIRCULAIRE**

[72] HODGKINSON, GERALD, US
[72] SOLTZ, MICHAEL, US
[72] JACOBS, EMILY, US
[72] HUSSAINI, SULAIMAN, US
[72] SCHULZ-JANDER, DANIEL, US
[71] COVIDIEN LP, US

[22] 2019-08-26
[41] 2020-03-14
[30] US (16/131,442) 2018-09-14

[21] **3,052,925**
[13] A1

[51] **Int.Cl. F02C 7/264 (2006.01) F23Q 7/22 (2006.01)**

[25] EN
[54] **IGNITER FOR GAS TURBINE ENGINE**

[54] **ALLUMEUR POUR TURBINE A GAZ**

[72] FREER, RICHARD, CA
[72] MCCALDON, KIAN, CA
[72] HU, TIN-CHEUNG JOHN, CA
[72] BOUSQUET, MICHEL, CA
[72] FORTIN, ANDRE, CA
[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2019-08-22
[41] 2020-03-12
[30] US (16/369,991) 2019-03-29
[30] US (62/730,090) 2018-09-12

[21] **3,052,999**
[13] A1

[51] **Int.Cl. B60B 7/00 (2006.01)**

[25] EN
[54] **SHIELDED VENT PLUG FOR WHEEL END HUBCAPS**

[54] **BOUCHON A EVENTS BLINDE POUR ENJOLIVEUR DE ROUE D'EXTREMITE**

[72] DENTON, KACY, US
[72] TEMPLIN, DAVE B., US
[71] AKTIEBOLAGET SKF, SE

[22] 2019-08-26
[41] 2020-03-11
[30] US (16/128094) 2018-09-11

[21] **3,053,027**
[13] A1

[51] **Int.Cl. A61B 17/068 (2006.01) A61B 17/00 (2006.01) A61B 17/072 (2006.01)**

[25] EN
[54] **CONNECTOR MECHANISMS FOR SURGICAL STAPLING INSTRUMENTS**

[54] **MECANISMES DE CONNEXION POUR AGRAFEUSES CHIRURGICALES**

[72] CAPPOLA, KENNETH M., US
[71] COVIDIEN LP, US

[22] 2019-08-26
[41] 2020-03-14
[30] US (16/131,359) 2018-09-14

Demandes canadiennes mises à la disponibilité du public
8 mars 2020 au 14 mars 2020

[21] **3,053,064**
[13] A1

[51] **Int.Cl. A61K 47/14 (2017.01) A61K 8/31 (2006.01) A61K 8/37 (2006.01) A61K 8/67 (2006.01) A61K 9/00 (2006.01) A61K 31/07 (2006.01) A61K 47/06 (2006.01) A61P 17/00 (2006.01) A61P 17/10 (2006.01) A61Q 19/08 (2006.01)**

[25] EN
 [54] **RETINOL OIL COMPOSITION**
 [54] **COMPOSITION D'HUILE DE RETINOL**

[72] PARSA, RAMINE, US
 [72] BRILLOUET, ANNE-SOPHIE, US
 [72] CHANG, MICHAEL, US
 [72] WALSH, STAR MARIE, US
 [71] JOHNSON & JOHNSON CONSUMER INC., US
 [22] 2019-08-26
 [41] 2020-03-10
 [30] US (62/728941) 2018-09-10

[21] **3,053,081**
[13] A1

[51] **Int.Cl. G06Q 50/18 (2012.01) G06N 20/00 (2019.01)**

[25] EN
 [54] **UTILIZING MACHINE LEARNING MODELS TO AUTOMATICALLY GENERATE CONTEXTUAL INSIGHTS AND ACTIONS BASED ON LEGAL REGULATIONS**

[54] **UTILISATION DE MODELES D'APPRENTISSAGE AUTOMATIQUE POUR GENERER AUTOMATIQUEMENT DES INFORMATIONS CONTEXTUELLES ET DES TACHES EN FONCTION SUR DES REGLEMENTATIONS JURIDIQUES**

[72] KIM, THOMAS, CA
 [72] YOUN, SUNGWON, CA
 [72] HEO, HESOO, CA
 [72] WONG, ALEX ROBERT, CA
 [72] DICKSON, LISA, CA
 [72] SNOW, CHRISTOPHER, CA
 [72] SHARPE, CARL, CA
 [72] WALLIS, JODIE K., CA
 [72] HEISLER, NATALIE, CA
 [71] ACCENTURE GLOBAL SOLUTIONS LIMITED, GB
 [22] 2019-08-27
 [41] 2020-03-14
 [30] US (62/731,270) 2018-09-14
 [30] US (16/536,067) 2019-08-08

[21] **3,053,266**
[13] A1

[51] **Int.Cl. A63B 59/50 (2015.01)**

[25] EN
 [54] **BALL BATS WITH REDUCED DURABILITY REGIONS FOR DETERRING ALTERATION**

[54] **BATONS DE BASEBALL DONT CERTAINES PARTIES ONT UNE DURABILITE REDUITE POUR EMPECHER LA MODIFICATION**

[72] CHAUVIN, DEWEY, US
 [72] ST-LAURENT, FREDERIC, US
 [72] KAPLAN, MICK, US
 [72] MONTGOMERY, IAN, US
 [71] EASTON DIAMOND SPORTS, LLC, US
 [22] 2019-08-27
 [41] 2020-03-14
 [30] US (16/132,199) 2018-09-14

[21] **3,053,290**
[13] A1

[51] **Int.Cl. F24D 19/10 (2006.01) F24F 11/32 (2018.01) F23K 5/16 (2006.01) F23N 1/08 (2006.01) F24H 9/20 (2006.01)**

[25] EN
 [54] **CIRCULATOR FAILURE DETECTION IN HVAC SYSTEMS**

[54] **DETECTION DE BRIS DU CIRCULATEUR DANS DES SYSTEMES CVC**

[72] BROKER, JOHN F., US
 [71] EMERSON ELECTRIC CO., US
 [22] 2019-08-28
 [41] 2020-03-11
 [30] US (16/128,043) 2018-09-11

[21] **3,053,354**
[13] A1

[51] **Int.Cl. E04F 19/02 (2006.01) E06B 1/36 (2006.01) E06B 1/56 (2006.01) E06B 5/00 (2006.01)**

[25] EN
 [54] **BRICKMOULD WINDOW TRIM**

[54] **CADRAGE DE BOISERIE DE FENETRE**

[72] LUVISON, MICHAEL, US
 [71] ASSOCIATED MATERIALS, LLC, US
 [22] 2019-08-28
 [41] 2020-03-13
 [30] US (16/130802) 2018-09-13

[21] **3,053,367**
[13] A1

[51] **Int.Cl. B64C 1/14 (2006.01) B64D 13/00 (2006.01) B64D 29/00 (2006.01) B64D 33/02 (2006.01) F02C 7/05 (2006.01)**

[25] EN
 [54] **AIRCRAFT COMPRISING AN AIR INTAKE**

[54] **AERONEF MUNI D'UNE ENTREE D'AIR**

[72] CANALEJO BAUTISTA, JUAN MANUEL, ES
 [71] AIRBUS OPERATIONS S.L., ES
 [22] 2019-08-28
 [41] 2020-03-11
 [30] EP (18382650.2) 2018-09-11

[21] **3,053,374**
[13] A1

[51] **Int.Cl. F15B 21/00 (2006.01) B64C 13/40 (2006.01) F15B 15/28 (2006.01) F16K 37/00 (2006.01)**

[25] EN
 [54] **ACTUATOR**

[54] **ACTIONNEUR**

[72] VERMANDE, FREDERIC M., FR
 [71] RATIER-FIGEAC SAS, FR
 [22] 2019-08-27
 [41] 2020-03-14
 [30] EP (18306200.9) 2018-09-14

[21] **3,053,378**
[13] A1

[51] **Int.Cl. F16B 37/14 (2006.01) B64D 37/02 (2006.01) B64D 45/02 (2006.01)**

[25] EN
 [54] **DOUBLE SHELL FASTENER CAPS**

[54] **BOUCHONS DE FIXATION A DOUBLE ENVELOPPE**

[72] ROPER, CHRISTOPHER STEPHEN, US
 [72] SCHUBERT, RANDALL COLIN, US
 [72] KWON, EDDIE, US
 [72] DAMAZO, JASON S., US
 [72] HANSEN, DARRIN M., US
 [72] O'MASTA, MARK RANDALL, US
 [72] STILKE, MORGAN A., US
 [71] THE BOEING COMPANY, US
 [22] 2019-08-27
 [41] 2020-03-11
 [30] US (62/729649) 2018-09-11
 [30] US (16/209088) 2018-12-04

**Canadian Applications Open to Public Inspection
March 8, 2020 to March 14, 2020**

[21] **3,053,580**
[13] A1

[51] **Int.Cl. F16B 37/14 (2006.01) B64D 37/02 (2006.01) B64D 45/02 (2006.01)**
[25] EN
[54] **COMBUSTION QUENCHING FASTENER CAPS WITH HOLES**
[54] **BOUCHONS DE FIXATION DE TYPE TREMPE PAR COMBUSTION AVEC TROUS**
[72] ROPER, CHRISTOPHER STEPHEN, US
[72] SCHUBERT, RANDALL COLIN, US
[72] KWON, EDDIE, US
[72] DAMAZO, JASON S., US
[72] HANSEN, DARRIN M., US
[72] O'MASTA, MARK RANDALL, US
[72] STILKE, MORGAN A., US
[71] THE BOEING COMPANY, US
[22] 2019-08-28
[41] 2020-03-11
[30] US (62/729,677) 2018-09-11
[30] US (16/209,312) 2018-12-04

[21] **3,053,597**
[13] A1

[51] **Int.Cl. B65D 30/02 (2006.01) B29C 48/08 (2019.01) B29C 48/16 (2019.01) B32B 7/022 (2019.01) B32B 7/027 (2019.01) B32B 27/08 (2006.01) B32B 27/32 (2006.01) B65D 30/08 (2006.01)**
[25] EN
[54] **RECYCABLE PACKAGE WITH FITMENT**
[54] **EMBALLAGE RECYCLABLE AVEC ACCESSOIRE**
[72] CLARE, ROBERT, CA
[72] MIRZADEH, AMIN, CA
[71] NOVA CHEMICALS CORPORATION, CA
[22] 2019-08-29
[41] 2020-03-10
[30] US (62729024) 2018-09-10

[21] **3,053,848**
[13] A1

[51] **Int.Cl. B60D 1/24 (2006.01) B60D 1/36 (2006.01) B60D 1/58 (2006.01)**
[25] EN
[54] **AUTOMATED TRAILER COUPLING ARRANGEMENT**
[54] **SYSTEME D'ATTELAGE DE REMORQUE AUTOMATISE**
[72] JOHNSON, MARC R., US
[72] REDEKER, BRYAN A., US
[72] HEWITT, LARRY D., II, US
[71] SAF-HOLLAND, INC., US
[22] 2019-08-30
[41] 2020-03-14
[30] US (62/731.483) 2018-09-14

[21] **3,053,852**
[13] A1

[51] **Int.Cl. B23Q 39/02 (2006.01) B25J 15/04 (2006.01)**
[25] EN
[54] **MACHINE WITH INTERCHANGEABLE TOOLS FOR THE WORKING OF SHEET MATERIALS**
[54] **MACHINE AVEC OUTILS INTERCHANGEABLES POUR LE FACONNAGE DE MATERIAUX EN FEUILLE**
[72] CAROSELLI, TOMMASO, IT
[71] SASSOMECCANICA S.P.A., IT
[22] 2019-09-03
[41] 2020-03-10
[30] IT (102018000008474) 2018-09-10

[21] **3,053,972**
[13] A1

[51] **Int.Cl. H04W 28/20 (2009.01) H04W 12/02 (2009.01) H04W 28/08 (2009.01)**
[25] EN
[54] **MULTIPLE NETWORK CONNECTIONS TO INCREASE DATA THROUGHPUT OF MOBILE DEVICE**
[54] **NOMBREUSES CONNEXIONS RESEAU POUR AUGMENTER LE DEBIT DE DONNEES DU DISPOSITIF MOBILE**
[72] DOUGLAS, LAWRENCE H., US
[72] JOHNSON, CLAYTON, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-09-04
[41] 2020-03-12
[30] US (16/128,759) 2018-09-12

[21] **3,054,188**
[13] A1

[51] **Int.Cl. A61B 17/12 (2006.01) A61F 2/95 (2013.01)**
[25] EN
[54] **IMPROVED ANEURYSM OCCLUSION DEVICE**
[54] **DISPOSITIF D'OCCLUSION D'ANEVRISME AMELIORE**
[72] LORENZO, JUAN, US
[71] DEPUY SYNTHES PRODUCTS, INC., US
[22] 2019-09-05
[41] 2020-03-12
[30] US (16/128,929) 2018-09-12

[21] **3,054,211**
[13] A1

[51] **Int.Cl. B08B 3/10 (2006.01) F16L 53/38 (2018.01) B08B 3/04 (2006.01) B60S 3/04 (2006.01) H05B 3/00 (2006.01)**
[25] EN
[54] **HEATABLE CEILING BOOM FOR THE HIGH-PRESSURE WASHING OF VEHICLES**
[54] **VOLEE DE PLAFOND CHAUFFANTE POUR LE LAVAGE HAUTE PRESSION DE VEHICULES**
[72] RIEBEN, PATRICK, CH
[72] SANTORO, DANIEL, CH
[71] MOSMATIC AG, CH
[22] 2019-09-05
[41] 2020-03-10
[30] DE (10 2018 121 959.8) 2018-09-10

Demandes canadiennes mises à la disponibilité du public
8 mars 2020 au 14 mars 2020

[21] **3,054,223**
[13] A1

[51] **Int.Cl. H01Q 15/14 (2006.01) H01Q 1/12 (2006.01) H01Q 1/28 (2006.01) H01Q 3/30 (2006.01) H01Q 1/08 (2006.01)**

[25] EN

[54] **RADIO FREQUENCY REFLECT-ARRAY SINGLE PANEL FOR SATELLITE ANTENNA AND AN ASSEMBLY OF RADIO FREQUENCY REFLECT-ARRAY PANELS FOR SATELLITE ANTENNA COMPRISING AT LEAST ONE SUCH PANEL**

[54] **PANNEAU UNIQUE A RESEAU DE REFLEXION DE RADIOFREQUENCE POUR ANTENNE SATELLITAIRE ET ENSEMBLE DE PANNEAUX DE RESEAU DE REFLEXION DE RADIOFREQUENCE POUR ANTENNE SATELLITAIRE COMPRENANT AU MOINS UN TEL PANNEAU**

[72] DAVID, JEAN-FRANCOIS, FR
[72] CHINIARD, RENAUD, FR
[71] THALES, FR
[22] 2019-09-05
[41] 2020-03-13
[30] FR (1800957) 2018-09-13

[21] **3,054,500**
[13] A1

[51] **Int.Cl. B05B 1/18 (2006.01) B05B 1/34 (2006.01) B05B 3/04 (2006.01)**

[25] EN

[54] **SPINNING SHOWERHEAD**

[54] **POMME DE DOUCHE TOURNANTE**

[72] ROSKO, MICHAEL SCOT, US
[72] EADS, THAD J., US
[71] DELTA FAUCET COMPANY, US
[22] 2019-09-06
[41] 2020-03-14
[30] US (62/731,094) 2018-09-14

[21] **3,054,510**
[13] A1

[51] **Int.Cl. A61F 5/01 (2006.01)**

[25] EN

[54] **WRIST ORTHOSIS**

[54] **ORTHESE POIGNET-MAIN**

[72] ENGELSHOVEN, WOUTER ROBIN, NL

[71] WE DESIGN BEHEER B.V., NL
[22] 2019-09-06
[41] 2020-03-10
[30] NL (2021587) 2018-09-10

[21] **3,054,517**
[13] A1

[51] **Int.Cl. G07B 15/04 (2006.01)**

[25] EN

[54] **TOLLING STATION FOR TOLLING VEHICLES OF DIFFERENT CLASSES**

[54] **STATION DE PEAGE POUR PERCEPTION DU PEAGE POUR LES VEHICULES DE DIFFERENTES CLASSES**

[72] CRONA, BJORN, SE
[71] KAPSCH TRAFFICCOM AG, AT
[22] 2019-09-06
[41] 2020-03-14
[30] EP (18 194 462.0) 2018-09-14

[21] **3,054,673**
[13] A1

[51] **Int.Cl. F02C 9/22 (2006.01) B64D 31/00 (2006.01) F01D 9/02 (2006.01) F01D 17/16 (2006.01) F04D 29/46 (2006.01)**

[25] EN

[54] **SYSTEM FOR ADJUSTING A VARIABLE POSITION VANE IN AN AIRCRAFT ENGINE**

[54] **SYSTEME DE REGLAGE D'AUBE DE STATOR A POSITION VARIABLE DANS UN MOTEUR D'AERONEF**

[72] FARRELL, IAN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-09-09
[41] 2020-03-11
[30] US (62/729,517) 2018-09-11
[30] US (16/560,295) 2019-09-04

[21] **3,054,689**
[13] A1

[51] **Int.Cl. F04C 2/344 (2006.01) F04C 15/00 (2006.01)**

[25] EN

[54] **ROTARY DEVICE**

[54] **DISPOSITIF ROTATIF**

[72] SLEIMAN, TONY, CA
[72] LABA, ANDRE SARKIS, CA
[72] LABA, JESSIE JOSEPH, CA
[72] SLEIMAN, BUCK, CA
[71] SLEIMAN, TONY, CA
[71] LABA, ANDRE SARKIS, CA
[71] LABA, JESSIE JOSEPH, CA
[71] SLEIMAN, BUCK, CA
[22] 2019-09-09
[41] 2020-03-10
[30] US (62/729,083) 2018-09-10

[21] **3,054,705**
[13] A1

[51] **Int.Cl. B32B 37/06 (2006.01) B21C 1/16 (2006.01) B21C 9/00 (2006.01) B29C 70/68 (2006.01) B32B 38/18 (2006.01)**

[25] EN

[54] **LINEAR PANELS FORMED FROM MULTI-LAYER PANEL MATERIAL ASSEMBLIES AND RELATED MANUFACTURING METHODS**

[54] **PANNEAUX LINEAIRES FORMES A PARTIR D'ASSEMBLAGES DE MATERIAUX POUR PANNEAUX MULTICOUCHE ET METHODES DE FABRICATION ASSOCIEES**

[72] VAN REES, PIETER, NL
[71] HUNTER DOUGLAS INDUSTRIES B.V., NL
[22] 2019-09-09
[41] 2020-03-12
[30] US (62/730,265) 2018-09-12

[21] **3,054,706**
[13] A1

[51] **Int.Cl. E06B 1/70 (2006.01)**

[25] EN

[54] **DOOR SILL SYSTEM, APPARATUS AND METHODS FOR DOOR ASSEMBLY**

[54] **SYSTEME DE SEUIL DE PORTE, APPAREIL ET METHODES POUR BLOC-PORTE**

[72] KENDALL, ADAM, US
[72] JASKIEWICZ, TOMASZ, US
[71] ENDURA PRODUCTS, INC., US
[22] 2019-09-09
[41] 2020-03-11
[30] US (62/729,725) 2018-09-11
[30] US (16/562,563) 2019-09-06

**Canadian Applications Open to Public Inspection
March 8, 2020 to March 14, 2020**

[21] **3,054,847**
[13] A1

[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 50/28 (2012.01) G06Q 50/30 (2012.01)**

[25] EN

[54] **SHIPMENT DISTRIBUTION SYSTEM AND METHOD FOR DISTRIBUTION OF GOODS SHIPMENTS**

[54] **SYSTEME DE DISTRIBUTION POUR L'EXPEDITION DE MARCHANDISES ET METHODE DE DISTRIBUTION POUR L'EXPEDITION DE MARCHANDISES**

[72] HEISE, SEBASTIAN, DE

[71] GRAPHMASTERS SA, CH

[22] 2019-09-10

[41] 2020-03-12

[30] CH (1079/18) 2018-09-12

[30] EP (18405021.9) 2018-10-23

[21] **3,054,850**
[13] A1

[51] **Int.Cl. G01C 21/00 (2006.01)**

[25] EN

[54] **A SUPPLEMENTAL SYSTEM FOR A SATELLITE BASED APPROACH DURING LOW VISIBILITY CONDITIONS**

[54] **SYSTEME COMPLEMENTAIRE POUR APPROCHE BASEE DES SYSTEMES SATELLITAIRES LORS DE CONDITIONS DE VISIBILITE REDUITE**

[72] PTACEK, PAVEL, US

[72] BRENNER, MATS ANDERS, US

[72] BEDA, THOMAS, US

[71] HONEYWELL INTERNATIONAL INC., US

[22] 2019-09-10

[41] 2020-03-11

[30] US (16/127994) 2018-09-11

[21] **3,054,863**
[13] A1

[51] **Int.Cl. E03C 1/04 (2006.01) B05B 1/12 (2006.01) B05B 1/16 (2006.01)**

[25] EN

[54] **FAUCET SPOUT HAVING AN EXPOSED WATERWAY AND A SUPPLEMENTAL DISCHARGE OUTLET**

[54] **BEC DE ROBINET AVEC TUYAU EXPOSE ET UNE BUSE DE DECHARGE SUPPLEMENTAIRE**

[72] ROSKO, MICHAEL SCOT, US

[72] EADS, THAD J., US

[71] DELTA FAUCET COMPANY, US

[22] 2019-09-10

[41] 2020-03-14

[30] US (62/731,577) 2018-09-14

[21] **3,054,865**
[13] A1

[51] **Int.Cl. A45F 3/04 (2006.01) B60N 2/28 (2006.01)**

[25] EN

[54] **CAR SEAT CARRIER**

[54] **PORTE-SIEGE D'AUTO**

[72] BROOKS, WILLIAM HAYES JUST, CA

[71] BROOKS, WILLIAM HAYES JUST, CA

[22] 2019-09-10

[41] 2020-03-10

[30] US (62/728,897) 2018-09-10

[21] **3,054,877**
[13] A1

[51] **Int.Cl. G06F 17/00 (2019.01) G06F 9/451 (2018.01) G06F 16/95 (2019.01)**

[25] EN

[54] **METHOD, APPARATUS AND COMPUTER DEVICE FOR IMPLEMENTING POP-UP WINDOW IN HYBRID INTERFACE APPLICATION**

[54] **PROCEDE, APPAREIL ET DISPOSITIF INFORMATIQUE POUR INTEGRER UNE FENETRE CONTEXTUELLE DANS UNE APPLICATION D'INTERFACE HYBRIDE**

[72] CHEN, YULIN, CN

[72] SHANG, HANYANG, CN

[72] FENG, YONG, CN

[71] 10353744 CANADA LTD., CA

[22] 2019-09-10

[41] 2020-03-13

[30] CN (201811070419.9) 2018-09-13

[21] **3,054,879**
[13] A1

[51] **Int.Cl. E21B 34/08 (2006.01) F16K 17/04 (2006.01)**

[25] EN

[54] **AUTOMATICALLY RESETTING TUBING STRING BYPASS VALVE**

[54] **ROBINET DE DERIVATION DE TRAIN DE TUBAGES A REINITIALISATION AUTOMATIQUE**

[72] BATEMAN, PERRY, CA

[72] TOPOROWSKI, BARTON, CA

[71] 1460255 AB LTD., CA

[22] 2019-09-10

[41] 2020-03-14

[30] US (62844938) 2019-05-08

[30] US (62731377) 2018-09-14

[21] **3,054,905**
[13] A1

[51] **Int.Cl. G02B 27/09 (2006.01) G02B 6/10 (2006.01) G02B 27/10 (2006.01)**

[25] EN

[54] **LIGHT-MIXING ROD AND LUMINOUS ARRANGEMENT**

[54] **TIGE DE MELANGE DE LUMIERE ET AGENCEMENT LUMINEUX**

[72] SCHMID, FRANK, DE

[72] KOFFLER, MARTIN, DE

[72] RICHTER, MARTIN, DE

[71] DIEHL AEROSPACE GMBH, DE

[22] 2019-09-10

[41] 2020-03-13

[30] DE (102018007244.5) 2018-09-13

[21] **3,054,907**
[13] A1

[51] **Int.Cl. C01B 23/00 (2006.01) C10L 3/10 (2006.01) F25J 3/06 (2006.01) F25J 5/00 (2006.01)**

[25] EN

[54] **HELIUM EXTRACTION FROM NATURAL GAS**

[54] **EXTRACTION D'HELIUM A PARTIR DE GAZ NATUREL**

[72] WHITE, VINCENT, GB

[72] HIGGINBOTHAM, PAUL, GB

[71] AIR PRODUCTS AND CHEMICALS, INC., US

[22] 2019-09-10

[41] 2020-03-13

[30] US (16/130,198) 2018-09-13

Demandes canadiennes mises à la disponibilité du public
8 mars 2020 au 14 mars 2020

[21] **3,054,908**
[13] A1

[51] **Int.Cl. B01D 53/22 (2006.01) B01D 3/00 (2006.01) B01D 53/46 (2006.01) C01B 23/00 (2006.01) C10L 3/10 (2006.01)**

[25] EN

[54] **HELIUM EXTRACTION FROM NATURAL GAS**

[54] **EXTRACTION D'HELIUM A PARTIR DE GAZ NATUREL**

[72] WHITE, VINCENT, GB

[72] HIGGINBOTHAM, PAUL, GB

[72] PLOEGER, JASON MICHAEL, US

[71] AIR PRODUCTS AND CHEMICALS, INC., US

[22] 2019-09-10

[41] 2020-03-13

[30] US (16/130,260) 2018-09-13

[21] **3,054,909**
[13] A1

[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01)**

[25] EN

[54] **UNIVERSAL WINDING MACHINE FOR A MULTITUDE OF TRAY DESIGNS**

[54] **BOBINOIR UNIVERSEL POUR UNE MULTITUDE DE CONCEPTIONS DE PLATEAUX**

[72] DEY, CLIFFORD, DE

[72] NEFF, INGMAR, DE

[72] BRECHT, SVEN, DE

[71] HARRO HOFLIGER VERPACKUNGSMASCHINEN GMBH, DE

[22] 2019-09-10

[41] 2020-03-10

[30] EP (18 193 349.0) 2018-09-10

[21] **3,054,911**
[13] A1

[51] **Int.Cl. A01N 65/22 (2009.01) A01P 17/00 (2006.01)**

[25] EN

[54] **CAT DETERRENT COMPOSITIONS AND METHODS OF USE OF SAME**

[54] **COMPOSITIONS POUR DISSUASIF POUR CHATS ET LEURS METHODES D'UTILISATION**

[72] PHILLIPS, SHELLEY, CA

[71] PHILLIPS, SHELLEY, CA

[22] 2019-09-10

[41] 2020-03-13

[30] US (62730961) 2018-09-13

[21] **3,054,914**
[13] A1

[51] **Int.Cl. A47K 13/00 (2006.01) A47K 17/02 (2006.01)**

[25] EN

[54] **ELEVATED TOILET SEAT ASSEMBLY**

[54] **SIEGE DE TOILETTE SURELEVE**

[72] POMPLUN, BRIAN, US

[72] HENNE, BRIAN A., US

[72] ARNDT, JONATHAN, US

[72] RAYMAKERS, PATRICK J., US

[71] BEMIS MANUFACTURING COMPANY, US

[22] 2019-09-09

[41] 2020-03-10

[30] US (62/729,196) 2018-09-10

[21] **3,054,917**
[13] A1

[51] **Int.Cl. B29C 70/34 (2006.01)**

[25] EN

[54] **METHODS FOR MANUFACTURING CURVED OMEGA STRINGERS AND Z SHAPED STRINGERS OF COMPOSITE MATERIAL AND FOR MANUFACTURING A COMPOSITE MATERIAL STIFFENED PANEL WITH CURVATURE**

[54] **METHODES DE FABRICATION DE LISSES EN FORME D'OMEGA INCURVEES ET DE LISSES EN FORME DE Z EN MATERIAU COMPOSITE ET DE FABRICATION D'UN PANNEAU RIGIDIFIE EN MATERIAU COMPOSITE A COURBURE**

[72] NOGUEROLES VINES, PEDRO, ES

[72] MORA MENDIAS, MARIA, ES

[72] CHAMORRO ALONSO, FRANCISCO JAVIER, ES

[72] GARCIA GARCIA, AQUILINO, ES

[71] AIRBUS OPERATIONS S.L., ES

[22] 2019-09-10

[41] 2020-03-11

[30] EP (18382652.8) 2018-09-11

[21] **3,055,026**
[13] A1

[51] **Int.Cl. F16N 25/00 (2006.01) F16N 21/00 (2006.01)**

[25] EN

[54] **MULTI REEL SYSTEM**

[54] **SYSTEME MULTIBOBINES**

[72] MCKIN, NOEL, US

[72] MEYER, RANDY S., US

[71] GJR MEYER SERVICE, INC., US

[22] 2019-09-11

[41] 2020-03-11

[30] US (16/128,238) 2018-09-11

[21] **3,055,043**
[13] A1

[51] **Int.Cl. B60R 13/08 (2006.01) D04H 1/43 (2012.01) D04H 1/4374 (2012.01) B29C 70/24 (2006.01) F16L 59/00 (2006.01)**

[25] EN

[54] **THERMALLY PROTECTED FIBRE BASED PRODUCTS**

[54] **PRODUITS A BASE DE FIBRES THERMIQUEMENT PROTEGES**

[72] BERGHAMMER, JOHN, US

[72] SNYDER, KARL DAVID, US

[72] TODD, JOHN JOSEPH, US

[71] MOTUS INTEGRATED TECHNOLOGIES, US

[22] 2019-09-11

[41] 2020-03-11

[30] US (62/729,586) 2018-09-11

[21] **3,055,044**
[13] A1

[51] **Int.Cl. B60J 10/70 (2016.01) B60J 10/27 (2016.01) B60J 1/10 (2006.01)**

[25] EN

[54] **ENCAPSULATED FIXED WINDOW MODULE FOR A MOTOR VEHICLE**

[54] **MODULE DE FENETRE FIXE ENCAPSULE POUR VEHICULE MOTORISE**

[72] GUELLEC, ANDRE, US

[72] PARK, PHIL, US

[72] LABERGE, MARK, US

[71] HUTCHINSON SEALING SYSTEMS, US

[22] 2019-09-10

[41] 2020-03-14

[30] US (16/132,182) 2018-09-14

**Canadian Applications Open to Public Inspection
March 8, 2020 to March 14, 2020**

[21] **3,055,047**
[13] A1

[51] **Int.Cl. F04B 53/22 (2006.01) F04B 53/10 (2006.01) F04B 53/16 (2006.01)**
[25] EN
[54] **HYDRAULIC FLUID PUMP AND RETAINER ASSEMBLY FOR SAME**
[54] **POMPE A FLUIDE HYDRAULIQUE ET ENSEMBLE DE RETENUE POUR CELLE-CI**
[72] DYER, ROBERT JAMES, US
[72] MULLINS, CHANCE RAY, US
[72] EHLERS, PETER ROSS, US
[71] GARDNER DENVER PETROLEUM PUMPS, LLC, US
[22] 2019-09-10
[41] 2020-03-11
[30] US (16/127,723) 2018-09-11

[21] **3,055,048**
[13] A1

[51] **Int.Cl. A01B 73/00 (2006.01) A01D 41/12 (2006.01) B65G 33/14 (2006.01)**
[25] EN
[54] **FARM IMPLEMENT WITH FOLDING AUGER**
[54] **MACHINES AGRICOLES AVEC VIS SANS FIN PLIANTE**
[72] VAN MILL, MICHAEL D., US
[72] SCHLIMGEN, RONALD J., US
[72] GERDEMAN, SHAWN W., US
[71] UNVERFERTH MANUFACTURING COMPANY, INC., US
[22] 2019-09-10
[41] 2020-03-11
[30] US (62/729,575) 2018-09-11

[21] **3,055,049**
[13] A1

[51] **Int.Cl. A01K 39/01 (2006.01) A01K 31/12 (2006.01)**
[25] EN
[54] **PEST RESISTANT BIRD FEEDER**
[54] **MANGEOIRE D'OISEAUX RESISTANT AUX RAVAGEURS**
[72] COMBS, STEPHEN, US
[72] NIFONG, LINDSEY, US
[71] CLASSIC BRANDS, LLC, US
[22] 2019-09-10
[41] 2020-03-11
[30] US (62/729,821) 2018-09-11

[21] **3,055,050**
[13] A1

[51] **Int.Cl. B02C 23/20 (2006.01) B02C 18/14 (2006.01) B02C 23/16 (2006.01) B09B 3/00 (2006.01)**
[25] EN
[54] **MATERIAL PROCESSING MACHINE WITH A COLORIZER SYSTEM AND METHODS OF REDUCING AND COLORIZING WASTE MATERIAL**
[54] **MACHINE D'USINAGE DE MATERIAU DOTE E D'UN SYSTEME DE COLORISATION ET METHODES DE REDUCTION DES DECHETS DE COLORISATION**
[72] KIMBELL, KYLE DOUGLAS, US
[72] CROSS, CHAD DALE, US
[71] SMORACY, LLC, US
[22] 2019-09-10
[41] 2020-03-10
[30] US (62/729,164) 2018-09-10

[21] **3,055,054**
[13] A1

[51] **Int.Cl. G01M 3/32 (2006.01)**
[25] EN
[54] **PRODUCT INVENTORY MONITORING**
[54] **SURVEILLANCE DE L'INVENTAIRE DES PRODUITS**
[72] LANGLOIS, GERALD E., III, US
[72] BARTLETT, HUBIE M., US
[72] WILHELM, JAMES, US
[72] HUBER, MIKE, US
[72] LESLIE, DANIEL, US
[72] HECK, TIMOTHY E., US
[71] MARATHON PETROLEUM COMPANY LP, US
[22] 2019-09-10
[41] 2020-03-10
[30] US (62/728,921) 2018-09-10
[30] US (16/562,866) 2019-09-06

[21] **3,055,056**
[13] A1

[51] **Int.Cl. F02C 3/107 (2006.01) F01D 15/12 (2006.01) F02C 7/36 (2006.01) F02K 3/06 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE AND METHOD OF CREATING CLASSES OF SAME**
[54] **TURBINE A GAZ ET METHODE DE CREATION DE CLASSES POUR CETTE TURBINE**
[72] PLANTE, GHISLAIN, CA
[72] MORGAN, KEITH, CA
[72] MAH, STEPHEN, CA
[72] VALOIS, PATRICK, CA
[72] PELUSO, ROBERT, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-09-10
[41] 2020-03-11
[30] US (62/729,624) 2018-09-11

[21] **3,055,062**
[13] A1

[51] **Int.Cl. B60N 2/28 (2006.01) B60R 22/10 (2006.01)**
[25] EN
[54] **CHILD RESTRAINT SYSTEM AND CHILD RESTRAINT CARRIER THEREOF**
[54] **ENSEMBLE DE RETENUE D'ENFANT ET SUPPORT POUR ENSEMBLE DE RETENUE D'ENFANT**
[72] HARMES V, CLYDE S., US
[72] HUTCHINSON, JAMES M. F., US
[71] WONDERLAND SWITZERLAND AG, CH
[22] 2019-09-11
[41] 2020-03-12
[30] US (62/730314) 2018-09-12

Demandes canadiennes mises à la disponibilité du public

8 mars 2020 au 14 mars 2020

[21] **3,055,066**
[13] A1

[51] **Int.Cl. B60N 2/28 (2006.01) B60R 22/10 (2006.01) A62B 35/00 (2006.01)**
[25] EN
[54] **CHILD RESTRAINT BASE AND CHILD RESTRAINT SYSTEM**
[54] **BASE POUR ENSEMBLE DE RETENUE D'ENFANT ET SUPPORT POUR ENSEMBLE DE RETENUE D'ENFANT**
[72] ANDERSON, ROBERT S., US
[72] HUTCHINSON, JAMES M. F., US
[72] HARMES, CLYDE S., V, US
[71] WONDERLAND SWITZERLAND AG, CH
[22] 2019-09-11
[41] 2020-03-12
[30] US (62/730314) 2018-09-12

[21] **3,055,075**
[13] A1

[51] **Int.Cl. G06F 16/27 (2019.01) G06Q 20/06 (2012.01) H04L 12/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EXECUTING TRANSACTIONS ON BLOCKCHAIN NETWORKS**
[54] **SYSTEME ET METHODE D'EXECUTION DES TRANSACTIONS SUR DES RESEAUX A CHAINE DE BLOCS**
[72] KREISER, BARRY, CA
[72] GRAHAM, JAMES, CA
[72] STANFORD, CURTIS, CA
[72] GEE, MIKE, CA
[71] GUILDONE INC., CA
[22] 2019-09-10
[41] 2020-03-12
[30] US (62/730,190) 2018-09-12

[21] **3,055,084**
[13] A1

[51] **Int.Cl. E01B 29/10 (2006.01)**
[25] EN
[54] **RAIL PLATE RETAINER FOR USE WITH RAIL TIE EXCHANGER**
[54] **DISPOSITIF DE RETENUE DE PLAQUE POUR RAIL POUR UTILISATION AVEC UN ECHANGEUR DE TRAVERSE DE CHEMIN DE FER**
[72] BOCZKIEWICZ, BRUCE MICHAEL, US
[72] WOJNAR, NICHOLAS EDWARD, US
[72] LONG, GREGORY JOHN, US
[72] CREEGAN, NEIL PATRICK, US
[71] NORDCO INC., US
[22] 2019-09-12
[41] 2020-03-13
[30] US (62/730,664) 2018-09-13
[30] US (16/549,422) 2019-08-23

[21] **3,055,099**
[13] A1

[51] **Int.Cl. F24F 7/04 (2006.01) F16L 5/00 (2006.01) F24F 13/08 (2006.01)**
[25] EN
[54] **WALL SLEEVE SYSTEM FOR A VENTILATION SYSTEM**
[54] **SYSTEME DE MANCHON MURAL POUR SYSTEME DE VENTILATION**
[72] ADLMAIER, MARTIN, DE
[72] GOESSLER, SIEGFRIED, DE
[72] IMMERZ, ANJA, DE
[71] BRUCKBAUER, WILHELM, DE
[22] 2019-09-11
[41] 2020-03-11
[30] DE (102018215410.4) 2018-09-11

[21] **3,055,101**
[13] A1

[51] **Int.Cl. F21K 9/00 (2016.01) F21S 4/20 (2016.01) H05B 45/37 (2020.01) H05K 1/02 (2006.01)**
[25] EN
[54] **PRINTED CIRCUIT BOARD AND COMPONENT ARRANGEMENTS FOR LINEAR LED LIGHTING**
[54] **CARTE DE CIRCUIT IMPRIME ET AGENCEMENTS DE COMPOSANTS POUR UN ECLAIRAGE A LED LINEAIRE**
[72] TANGUILEG, OLIVIA M., US
[71] ELEMENTAL LED, INC., US
[22] 2019-09-11
[41] 2020-03-13
[30] US (16/130094) 2018-09-13

[21] **3,055,136**
[13] A1

[51] **Int.Cl. G02B 13/18 (2006.01) G02B 1/00 (2006.01) G02B 9/60 (2006.01) G02B 13/14 (2006.01)**
[25] EN
[54] **ORTHO SCOPIC PROJECTION LENS**
[54] **LENTILLES DE PROJECTION ORTHOSCOPIQUES**
[72] OSKOTSKY, MARK L., US
[72] ENGHEBEN, DANIEL, US
[72] LIPARI, VINCENT, US
[72] RUSSO, MICHAEL J., JR., US
[72] HUGEL, ERIK L., US
[72] REVEN, SHAWN C., US
[72] MA, JERRY, US
[72] ZHANG, YUELI, US
[71] BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC., US
[22] 2019-09-12
[41] 2020-03-14
[30] US (16/131845) 2018-09-14

[21] **3,055,141**
[13] A1

[51] **Int.Cl. B62D 5/04 (2006.01) B60W 50/12 (2012.01) B60P 1/04 (2006.01) B60W 10/20 (2006.01) B60W 40/12 (2012.01) B62D 1/00 (2006.01)**
[25] EN
[54] **MACHINE STEERING ANGLE CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE L'ANGLE DE BRAQUAGE DE LA MACHINE**
[72] STAHL, WENDELL DEAN, US
[72] PETERSON, JEREMY T., US
[72] ROAT, KENNETH MARVIN, US
[72] AMANOR, DERRICK ALEXANDER KOFI, US
[72] VALERIO, MICHAEL D., US
[71] CATERPILLAR INC., US
[22] 2019-09-12
[41] 2020-03-14
[30] US (16/131539) 2018-09-14

**Canadian Applications Open to Public Inspection
March 8, 2020 to March 14, 2020**

[21] **3,055,147**
[13] A1

[51] **Int.Cl. H01L 41/08 (2006.01) H03H 9/15 (2006.01)**
[25] EN
[54] **RECESS FRAME STRUCTURE FOR A BULK ACOUSTIC WAVE RESONATOR**
[54] **STRUCTURE DE CADRE D'ENCASTREMENT POUR RESONATEUR A ONDES ACOUSTIQUES DE VOLUME**
[72] MATSUO, NOBUFUMI, JP
[72] SHIN, KWANG JAE, KR
[71] SKYWORKS GLOBAL PTE. LTD., SG
[22] 2019-09-12
[41] 2020-03-12
[30] US (62/730128) 2018-09-12
[30] US (62/836130) 2019-04-19

[21] **3,055,150**
[13] A1

[51] **Int.Cl. G06F 3/01 (2006.01) G06F 3/042 (2006.01) G06K 11/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CAPTURING ELECTRONIC SIGNATURES**
[54] **SYSTEMES ET METHODES DE SAISIE DE SIGNATURES ELECTRONIQUES**
[72] EDWARDS, JOSHUA, US
[72] MOSSOBA, MICHAEL, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-09-12
[41] 2020-03-13
[30] US (16/129928) 2018-09-13

[21] **3,055,154**
[13] A1

[51] **Int.Cl. B29C 70/36 (2006.01) A63B 59/70 (2015.01)**
[25] EN
[54] **METHOD OF FORMING A SPORTING IMPLEMENT**
[54] **METHODE DE FABRICATION D'ARTICLE DE SPORT**
[72] DUCHARME, MATHIEU, CA
[72] CHAMBERT, MARTIN, CA
[72] CARON KARDOS, JEAN-FREDERIK, CA
[71] BAUER HOCKEY LTD., CA
[22] 2019-09-11
[41] 2020-03-12
[30] US (62/730,232) 2018-09-12

[21] **3,055,323**
[13] A1

[51] **Int.Cl. E02F 3/84 (2006.01) A01B 63/24 (2006.01) A01B 63/32 (2006.01) E02F 3/76 (2006.01) E02F 3/815 (2006.01) E02F 3/96 (2006.01) G05D 3/12 (2006.01)**
[25] EN
[54] **GROUND CONTOURING APPARATUS WITH PROVISION FOR MOUNTED ACCESSORIES**
[54] **APPAREIL DE CONTOURNAGE DU SOL AVEC ESPACE POUR ACCESSOIRES ENCASTRES**
[72] SHARP, RODNEY WARWICK, NZ
[71] PROGRESSIVE IP LIMITED, NZ
[22] 2019-09-12
[41] 2020-03-13
[30] US (16/130,446) 2018-09-13
[30] US (62/767,325) 2018-11-14
[30] NZ (NZ746786) 2018-09-27

[21] **3,055,332**
[13] A1

[51] **Int.Cl. C02F 5/12 (2006.01) C02F 1/00 (2006.01) C02F 1/66 (2006.01) C02F 5/08 (2006.01) G01N 33/18 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR CALCITE REMOVAL USING POLYSUCCINIMIDE**
[54] **PROCEDES ET SYSTEMES D'ELIMINATION DE CALCITE AU MOYEN DE POLYSUCCINIMIDE**
[72] GOTTSCHALK, KEVIN MICHAEL, US
[72] POST, RAYMOND M., US
[72] GODSAVE, PHIL, CA
[71] CHEMTREAT, INC., US
[22] 2019-09-12
[41] 2020-03-12
[30] US (62/730442) 2018-09-12

[21] **3,055,349**
[13] A1

[51] **Int.Cl. B28B 19/00 (2006.01) B28B 1/08 (2006.01) B28B 3/00 (2006.01) C04B 26/00 (2006.01) E02D 29/14 (2006.01) H02B 7/08 (2006.01) H02G 9/02 (2006.01)**
[25] EN
[54] **COMPOSITE CONCRETE MATERIAL AND METHOD OF MAKING A COMPOSITE CONCRETE MATERIAL**
[54] **MATERIAU COMPOSITE EN BETON ET METHODE DE FABRICATION D'UN MATERIAU COMPOSITE EN BETON**
[72] GOGOL, JOHN RONALD, US
[72] LEBLANC, CHARLES, CA
[71] OLDCASTLE PRECAST, INC., US
[22] 2019-09-13
[41] 2020-03-13
[30] US (62/730,989) 2018-09-13

[21] **3,055,354**
[13] A1

[51] **Int.Cl. H04B 7/204 (2006.01) H04B 7/19 (2006.01) H04W 16/28 (2009.01)**
[25] FR
[54] **PROCESS TO DEFINE THE FLEXIBLE PAYLOAD OF A TELECOMMUNICATION SATELLITE WITH REDUCED INTERFERENCE LEVEL BEAM JUMPS**
[54] **PROCEDE DE DEFINITION DE LA CHARGE UTILE FLEXIBLE D'UN SATELLITE DE TELECOMMUNICATION AVEC SAUTS DE FAISCEAUX A NIVEAU D'INTERFERENCE REDUIT**
[72] CHARRAT, BERNARD, FR
[72] DERVIN, MATHIEU, FR
[71] THALES, FR
[22] 2019-09-13
[41] 2020-03-13
[30] FR (1800958) 2018-09-13

**Demandes canadiennes mises à la disponibilité du public
8 mars 2020 au 14 mars 2020**

[21] **3,055,359**
[13] A1

[51] **Int.Cl. C06B 47/02 (2006.01) C06B 47/00 (2006.01) C06B 47/04 (2006.01) C10L 8/00 (2006.01) C30B 29/54 (2006.01)**

[25] EN

[54] **HYPERGOLIC METAL ORGANIC FRAMEWORKS**

[54] **ARMATURES ORGANOMETALLIQUES HYPERGOLIQUES**

[72] FRISI, TOMISLAV, CA

[72] ROGERS, ROBIN D., US

[72] ARHANGELSKIS, MIHAILS, CA

[72] TITI, HATEM, CA

[72] GANDRATH, DAYAKER, US

[72] MARRETT, JOSEPH M., US

[71] ACSYNAM INC., CA

[22] 2019-09-13

[41] 2020-03-13

[30] US (62/730,590) 2018-09-13

[21] **3,055,361**
[13] A1

[51] **Int.Cl. A63B 23/04 (2006.01) A63B 21/02 (2006.01) A63B 22/08 (2006.01)**

[25] EN

[54] **PORTABLE DEVICES FOR EXERCISING MUSCLES IN THE ANKLE, FOOT, AND/OR LEG, AND RELATED METHODS**

[54] **DISPOSITIFS PORTATIFS POUR EXERCER LES MUSCLES DES CHEVILLES, DES PIEDS ET/OU DES JAMBES, ET METHODES CONNEXES**

[72] TARKINGTON, MARY ANNE, US

[72] MATSUURA, DAVID, US

[72] MOEBIUS, JACOB A., US

[72] STACK, LOUIS JOHN, CA

[72] CLINE, SCOTT MICHAEL, US

[72] MEVES, DONALD C., US

[72] STOKES, EMILY KATHRYN, US

[71] TS MEDICAL LLC, US

[22] 2019-09-13

[41] 2020-03-14

[30] US (62/731,647) 2018-09-14

[21] **3,055,424**
[13] A1

[51] **Int.Cl. C10G 1/02 (2006.01) C10B 55/02 (2006.01) C10J 3/60 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR PROCESSING OIL SANDS AND OTHER MATERIALS WITH LOW ENVIRONMENTAL IMPACTS**

[54] **METHODE ET SYSTEME POUR TRAITER LES SABLES BITUMINEUX ET D'AUTRES MATIERES AYANT PEU D'INCIDENCES SUR L'ENVIRONNEMENT**

[72] THE, JESSE, CA

[72] FRASER, ROYDON ANDREW, CA

[71] LAKES ENVIRONMENTAL RESEARCH INC., CA

[22] 2019-09-13

[41] 2020-03-14

[30] CA (3,017,560) 2018-09-14

[21] **3,055,518**
[13] A1

[51] **Int.Cl. G06Q 10/10 (2012.01) G06Q 10/06 (2012.01) G06Q 50/16 (2012.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR SCHEDULING APPRAISALS USING AUTOMATIC APPRAISER SELECTION BASED ON GEOGRAPHY**

[54] **SYSTEMES ET METHODES POUR ETABLIR LE CALENDRIER DES EVALUATIONS A L'AIDE D'UNE SELECTION AUTOMATIQUE D'EVALUATEURS EN FONCTION DE LA REGION GEOGRAPHIQUE**

[72] HALDANE, MARTY, CA

[71] APPRAISERS NOW LTD., CA

[22] 2019-09-13

[41] 2020-03-14

[30] US (62/731,648) 2018-09-14

[21] **3,055,520**
[13] A1

[51] **Int.Cl. G06Q 10/10 (2012.01) G06Q 50/16 (2012.01) G06F 40/166 (2020.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR COLLABORATIVE REAL-TIME GENERATION OF ELECTRONIC REAL ESTATE REPORTS**

[54] **SYSTEMES ET METHODES DE PRODUCTION COLLABORATIVE EN TEMPS REEL DE RAPPORTS IMMOBILIERS ELECTRONIQUES**

[72] HALDANE, MARTY, CA

[71] APPRAISERS NOW LTD., CA

[22] 2019-09-13

[41] 2020-03-14

[30] US (62/731,669) 2018-09-14

[21] **3,055,526**
[13] A1

[51] **Int.Cl. F16L 21/06 (2006.01)**

[25] EN

[54] **A NO-HUB PIPE COUPLING METHOD AND APPARATUS**

[54] **METHODE ET APPAREIL DE RACCORD DE TUYAUTERIE SANS MOYEU**

[72] O'NEIL, VIRGIL, US

[71] RELIANCE WORLDWIDE CORPORATION, US

[22] 2019-09-16

[41] 2020-03-14

[30] US (62/731,624) 2018-09-14

[30] US (16/569,337) 2019-09-12

[21] **3,055,573**
[13] A1

[51] **Int.Cl. A01K 85/01 (2006.01) A01K 85/00 (2006.01)**

[25] EN

[54] **STATIC PROGRAMMABLE ELECTRO-CHROMIC FISHING LURE**

[54] **LEURRE DE PECHE ELECTROCHROMIQUE PROGRAMMABLE STATIQUE**

[72] STATON, FIELDING B., US

[72] STRUMPF, DAVID, US

[71] NEWTONOID TECHNOLOGIES, L.L.C., US

[22] 2019-09-13

[41] 2020-03-13

[30] US (62/730,920) 2018-09-13

**Canadian Applications Open to Public Inspection
March 8, 2020 to March 14, 2020**

[21] **3,056,508**

[13] A1

[51] **Int.Cl. B32B 7/02 (2019.01) B32B 7/12 (2006.01) B32B 27/08 (2006.01) B32B 27/18 (2006.01) B65D 30/08 (2006.01) B65D 65/40 (2006.01) B65D 65/46 (2006.01)**

[25] EN

[54] **OXO-BIODEGRADABLE FILM AND PACKAGING MATERIAL**

[54] **FILM OXOBIODEGRADABLE ET MATERIAU D'EMBALLAGE**

[72] CANALES GUTIERREZ, MIRIAM PATRICIA, CA

[71] SOLFISH POISSONS ET FRUITS DE MER INC., CA

[22] 2019-09-23

[41] 2020-03-12

[30] US (62/921,976) 2019-07-18

[21] **3,057,220**

[13] A1

[51] **Int.Cl. E21B 23/00 (2006.01) E21B 34/10 (2006.01)**

[25] EN

[54] **DOWNHOLE TOOL WITH EXTERNALLY ADJUSTABLE INTERNAL FLOW AREA**

[54] **OUTIL DE FOND DE Puits AVEC SECTION D'ECOULEMENT INTERNE REGLABLE A L'EXTERNE**

[72] ADAM, MARK, US

[71] TURBO DRILL INDUSTRIES, INC., US

[22] 2019-09-30

[41] 2020-03-10

[30] US (16/155657) 2018-10-09

[21] **3,063,387**

[13] A1

[51] **Int.Cl. B60R 21/36 (2011.01)**

[25] EN

[54] **MODULAR PERSONAL PROTECTION DEVICE UNDER THE VEHICLE**

[54] **APPAREIL DE PROTECTION PERSONNELLE MODULAIRE SOUS LE VEHICULE**

[72] FEL, LANDRI, AT

[72] NEWSELY, GERALD, AT

[72] TUCZAI, HERBERT, AT

[71] BOMBARDIER TRANSPORTATION GMBH, DE

[22] 2019-11-29

[41] 2020-03-12

[30] DE (102018133177.0) 2018-12-20

[21] **3,065,047**

[13] A1

[51] **Int.Cl. C11B 3/00 (2006.01) C08J 11/00 (2006.01) C11B 1/10 (2006.01) C11B 3/02 (2006.01) C11B 3/04 (2006.01) C08L 91/00 (2006.01)**

[25] EN

[54] **PROCESS FOR PURIFYING RENEWABLE FEEDSTOCK COMPRISING TRIGLYCERIDES**
[54] **PROCEDE DE PURIFICATION DE MATIERES PREMIERES RENOUVELABLES COMPRENANT DES TRIGLYCERIDES**

[72] GUTIERREZ, ANDREA, FI

[72] BJORKLOF, THOMAS, FI

[71] UPM-KYMMENE CORPORATION, FI

[22] 2019-12-12

[41] 2020-03-13

[30] FI (20186085) 2018-12-14

PCT Applications Entering the National Phase

Demands PCT entrant en phase nationale

[21] **3,019,019**
[13] A1
[51] **Int.Cl. G06Q 50/10 (2012.01) G06Q 50/00 (2012.01)**
[25] EN
[54] **INTERACTION RECOMMENDATION SYSTEM**
[54] **SYSTEME DE RECOMMANDATION D'INTERACTION**
[72] LAIK, PHILIPPE, MC
[71] LAIK, PHILIPPE, MC
[85] 2018-09-28
[86] 2018-09-14 (PCT/IB2018/057066)
[87] (3019019)

[21] **3,019,022**
[13] A1
[51] **Int.Cl. G06Q 10/10 (2012.01) H04W 4/00 (2018.01) G06F 16/28 (2019.01)**
[25] EN
[54] **CONTACT GENERATION DEVICE**
[54] **DISPOSITIF DE GENERATION DE CONTACT**
[72] LAIK, PHILIPPE, MC
[71] LAIK, PHILIPPE, MC
[85] 2018-09-28
[86] 2018-09-14 (PCT/IB2018/057060)
[87] (3019022)

[21] **3,019,029**
[13] A1
[51] **Int.Cl. G06Q 10/10 (2012.01) H04W 4/12 (2009.01) H04W 4/14 (2009.01) H04L 12/58 (2006.01)**
[25] EN
[54] **INTERACTION GENERATION DEVICE**
[54] **DISPOSITIF DE GENERATION D'INTERACTION**
[72] LAIK, PHILIPPE, MC
[71] LAIK, PHILIPPE, MC
[85] 2018-09-28
[86] 2018-09-14 (PCT/IB2018/057070)
[87] (3019029)

[21] **3,047,781**
[13] A1
[51] **Int.Cl. B65H 45/00 (2006.01) B65H 45/20 (2006.01)**
[25] EN
[54] **METHOD FOR COMPACTLY FOLDING PAPER AND PRODUCT**
[54] **METHODE DE PLIAGE COMPACT DE PAPIER ET PRODUIT**
[72] LUVIANO, RUBEN, US
[72] MILLER, TOM, US
[71] PLATINUM PRESS, INC., US
[85] 2019-06-25
[86] 2018-09-14 (PCT/US2018/051172)
[87] (3047781)

[21] **3,061,414**
[13] A1
[25] EN
[54] **BALL SEAT**
[54]
[72] ZENG, QIJUN, CN
[71] VERTECHS OIL & GAS TECHNOLOGY CO., LTD., CN
[85] 2020-02-10
[86] 2018-08-22 (PCT/CN2018/101649)
[87] (3061414)

[21] **3,062,246**
[13] A1
[51] **Int.Cl. A01H 3/02 (2006.01) A01H 6/28 (2018.01) A01H 4/00 (2006.01)**
[25] EN
[54] **A METHOD OF PRODUCTION OF PHYTOCANNABINOIDS FOR USE IN MEDICAL TREATMENTS**
[54] **PROCEDE DE PRODUCTION DE PHYTOCANNABINOIDES DESTINES A ETRE UTILISES DANS DES TRAITEMENTS MEDICAUX**
[72] WHITTON, PETER, GB
[71] CELL SCIENCE HOLDING LTD, CY
[85] 2019-11-01
[86] 2018-10-05 (PCT/EP2018/077149)
[87] (WO2019/081179)
[30] GB (1717554.8) 2017-10-25

[21] **3,064,028**
[13] A1
[51] **Int.Cl. H02J 3/38 (2006.01) F03D 7/04 (2006.01) H02J 3/08 (2006.01)**
[25] EN
[54] **METHOD FOR SUPPLYING ELECTRIC POWER BY MEANS OF A CONVERTER-CONTROLLED GENERATOR UNIT, IN PARTICULAR A WIND TURBINE**
[54] **PROCEDE D'INJECTION DE LA PUISSANCE ELECTRIQUE AU MOYEN D'UNE UNITE DE PRODUCTION COMMANDEE PAR UN CONVERTISSEUR, EN PARTICULIER D'UNE EOLIENNE**
[72] BROMBACH, JOHANNES, DE
[71] WOBLEN PROPERTIES GMBH, DE
[85] 2019-11-18
[86] 2018-06-13 (PCT/EP2018/065568)
[87] (WO2018/229088)
[30] DE (10 2017 112 936.7) 2017-06-13

[21] **3,064,953**
[13] A1
[51] **Int.Cl. A61K 9/107 (2006.01) A61K 35/741 (2015.01) A61K 9/00 (2006.01)**
[25] EN
[54] **STABILIZED COMPOSITIONS FOR THE CONTROLLED DELIVERY OF PROBIOTICS AND METHODS OF PRODUCTION THEREOF**
[54] **COMPOSITIONS STABILISEES POUR L'ADMINISTRATION CONTROLEE DE PROBIOTIQUES ET LEURS PROCEDES DE PRODUCTION**
[72] IVANJESKU, MARYANNE MAYA, US
[72] DAUGHERTY, KRISTIN, US
[72] BOHINC, TATJANA, US
[72] BUCKLEY, STEPHEN, US
[71] DAKOTA BIOTECH, LLC, US
[85] 2019-11-19
[86] 2018-05-25 (PCT/US2018/034571)
[87] (WO2018/218107)
[30] US (62/511,374) 2017-05-26

PCT Applications Entering the National Phase

[21] **3,066,286**
[13] A1

[51] **Int.Cl. C01D 1/00 (2006.01) C01D 3/00 (2006.01) C01D 15/00 (2006.01) C04B 7/36 (2006.01)**

[25] EN

[54] **METHOD OF PRODUCING COMPOUNDS OF LITHIUM AND OPTIONALLY OF OTHER ALKALI METALS**

[54] **PROCEDE DE PRODUCTION DE COMPOSES DE LITHIUM ET EVENTUELLEMENT D'AUTRES METAUX ALCALINS**

[72] FALTUS, MILOS, CZ

[72] VU, HONG, CZ

[72] DVORAK, PETR, CZ

[72] KRISTIANOVA, EVA, CZ

[71] VYSOKA SKOLA CHEMICKO-TECHNOLOGICKA V PRAZE, CZ

[71] FALTUS, MILOS, CZ

[85] 2019-12-05

[86] 2018-06-15 (PCT/CZ2018/050035)

[87] (WO2018/228618)

[30] CZ (PV 2017-343) 2017-06-16

[21] **3,067,771**
[13] A1

[51] **Int.Cl. G01L 11/02 (2006.01) G01D 5/353 (2006.01) G01H 9/00 (2006.01) G01R 33/032 (2006.01) G02B 6/44 (2006.01)**

[25] EN

[54] **DISTRIBUTED PRESSURE SENSING**

[54] **DETECTION DE PRESSION REPARTIE**

[72] GODFREY, ALASTAIR, GB

[71] OPTASENSE HOLDINGS LIMITED, GB

[85] 2019-12-18

[86] 2018-05-31 (PCT/GB2018/051477)

[87] (WO2018/234742)

[30] GB (1709755.1) 2017-06-19

[21] **3,071,716**
[13] A1

[51] **Int.Cl. G06K 7/10 (2006.01) H04B 17/12 (2015.01) H03H 7/38 (2006.01)**

[25] EN

[54] **RFID READER WITH AUTOMATIC TUNING**

[54] **LECTEUR RFID DOTE D'UN ACCORD AUTOMATIQUE**

[72] BUTERA, JOHN C., US

[72] PIDAPARTI, RAJANI, US

[71] RF IDEAS, INC., US

[85] 2020-01-29

[86] 2018-08-16 (PCT/US2018/046808)

[87] (WO2019/036540)

[30] US (62/546,391) 2017-08-16

[30] US (15/903,726) 2018-02-23

[21] **3,072,556**
[13] A1

[25] EN

[54] **LOTION PUMP**

[54]

[72] LIANG, JINKAO, CN

[71] MAJESTY PACKAGING SYSTEMS LIMITED, CN

[85] 2020-02-13

[86] 2019-08-26 (PCT/CN2019/102546)

[87] (3072556)

[30] CN (201821392783.2) 2018-08-27

[21] **3,074,331**
[13] A1

[51] **Int.Cl. H04W 72/14 (2009.01)**

[25] EN

[54] **METHODS AND APPARATUSES FOR TRANSMITTING AND RECEIVING A PREEMPTION INDICATION**

[54] **PROCEDES ET APPAREILS PERMETTANT DE TRANSMETTRE ET DE RECEVOIR UNE INDICATION DE PREEMPTION**

[72] MIAO, ZHAOBANG, CN

[72] GAO, YUKAI, CN

[72] WANG, GANG, CN

[71] NEC CORPORATION, JP

[85] 2020-02-28

[86] 2017-08-29 (PCT/CN2017/099510)

[87] (WO2019/041137)

[21] **3,074,333**
[13] A1

[51] **Int.Cl. B60G 3/14 (2006.01)**

[25] EN

[54] **AXLE ASSEMBLY FOR A HEAVY GOODS VEHICLE, HEAVY GOODS VEHICLE COMPRISING AT LEAST ONE AXLE ASSEMBLY OF THIS KIND, AND HYDRAULIC ARRANGEMENT, IN PARTICULAR FOR ADJUSTING AN AJUSTABLE UNIT THAT IS FORMED AS A CYLINDER-PISTON ARRANGEMENT**

[54] **SOUS-ENSEMBLE ESSIEU POUR POIDS-LOURD, POIDS-LOURD EQUIPE D'AU MOINS UN TEL SOUS-ENSEMBLE ESSIEU ET ARRANGEMENT HYDRAULIQUE, NOTAMMENT DESTINE A POSITIONNER UNE UNITE POSITIONNABLE REALISEE SOUS LA FORME D'UN ARRANGEMENT DE PISTON ET CYLINDRE**

[72] MAIER, GEORG, DE

[72] VOLK, MARTIN, DE

[72] STEINMAYER, SIMON, DE

[72] HAFELE, HORST, DE

[71] GOLDHOFER AG, DE

[85] 2020-02-28

[86] 2018-07-12 (PCT/EP2018/068949)

[87] (WO2019/012045)

[30] DE (10 2017 212 127.0) 2017-07-14

[21] **3,074,337**
[13] A1

[51] **Int.Cl. H04B 7/12 (2006.01) H04W 16/02 (2009.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR DETERMINING FREQUENCY HOPPING OF CHANNEL, AND COMPUTER STORAGE MEDIUM**

[54] **PROCEDE ET APPAREIL POUR DETERMINER UN SAUT DE FREQUENCE DE CANAL, ET SUPPORT DE STOCKAGE INFORMATIQUE**

[72] LIN, YANAN, CN

[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN

[85] 2020-02-28

[86] 2018-07-25 (PCT/CN2018/097114)

[87] (WO2019/047629)

[30] CN (PCT/CN2017/101093) 2017-09-08

[30] CN (PCT/CN2018/083985) 2018-04-20

[30] CN (PCT/CN2018/096867) 2018-07-24

Demandes PCT entrant en phase nationale

[21] **3,074,338**
[13] A1

[51] **Int.Cl. A61M 25/00 (2006.01) A61F 2/95 (2013.01) A61B 17/22 (2006.01)**
[25] EN
[54] **CATHETER**
[54] **CATHETER**
[72] BROCKMANN, MARC
ALEXANDER, DE
[72] TANYILDIZI, YASEMIN, DE
[71] UNIVERSITÄTSMEDIZIN DER
JOHANNES GUTENBERG-
UNIVERSITÄT MAINZ, DE
[85] 2020-02-28
[86] 2018-09-12 (PCT/DE2018/100775)
[87] (WO2019/052605)
[30] DE (10 2017 121 251.5) 2017-09-13

[21] **3,074,343**
[13] A1

[51] **Int.Cl. B60R 25/04 (2013.01) B60R 25/20 (2013.01) B60R 25/30 (2013.01) B60K 28/10 (2006.01) B60R 25/06 (2013.01)**
[25] EN
[54] **A VEHICLE ANTI-THEFT DEVICE**
[54] **DISPOSITIF ANTIVOL DE VEHICULE**
[72] TALJAARD, PHILIPPUS PETRUS
ERASMUS, ZA
[71] HARDCORE AUTOMOTIVE
LOCKING TECHNOLOGIES (PTY)
LTD, ZA
[85] 2020-02-28
[86] 2016-12-12 (PCT/IB2016/057538)
[87] (WO2018/042236)
[30] ZA (2016/06093) 2016-09-02
[30] ZA (2016/06693) 2016-09-28

[21] **3,074,347**
[13] A1

[51] **Int.Cl. B27N 3/04 (2006.01) E04C 2/16 (2006.01)**
[25] EN
[54] **WATER BASED LIQUID FIRE RETARDANT FOR USE IN CELLULOSE INSULATION**
[54] **AGENT IGNIFUGE LIQUIDE A BASE D'EAU DESTINE A ETRE UTILISE DANS L'ISOLATION DE LA CELLULOSE**
[72] SHUTT, THOMAS C., US
[72] SELLARS, WILLIAM R., US
[71] NTIP LLC, US
[85] 2020-02-24
[86] 2018-08-22 (PCT/US2018/047433)
[87] (WO2019/040566)
[30] US (62/549,182) 2017-08-23

[21] **3,074,348**
[13] A1

[51] **Int.Cl. B28B 7/00 (2006.01) B28B 5/08 (2006.01) B28B 7/28 (2006.01) B28B 23/00 (2006.01) B29C 43/28 (2006.01) B30B 15/02 (2006.01) E04C 1/42 (2006.01) E04C 2/54 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A CURABLE, SLAB-LIKE LIGHT-CONDUCTING BODY, MOLD FOR CARRYING OUT THE METHOD AND A LIGHT-CONDUCTING BODY PRODUCED IN ACCORDANCE WITH THE METHOD**
[54] **PROCEDE DE FABRICATION D'UN CORPS D'ECLAIRAGE DURCISSABLE EN FORME DE PLAQUE, OUTIL DE MISE EN OEUVRE DU PROCEDE ET CORPS D'ECLAIRAGE FABRIQUES SELON CE PROCEDE**
[72] CHRISTANDL, DIETER, AT
[72] CHRISTANDL, JOSEF, AT
[72] HOFER, ROBERT, AT
[71] CHRISTANDL, DIETER, AT
[71] CHRISTANDL, JOSEF, AT
[71] HOFER, ROBERT, AT
[85] 2020-02-28
[86] 2018-08-06 (PCT/EP2018/071228)
[87] (WO2019/030154)
[30] DE (10 2017 117 820.1) 2017-08-07

[21] **3,074,352**
[13] A1

[51] **Int.Cl. G08B 21/24 (2006.01)**
[25] EN
[54] **A REMOTELY ACTIVATED VEHICLE ANTI-THEFT DEVICE**
[54] **DISPOSITIF ANTIVOL DE VEHICULE ACTIONNE A DISTANCE**
[72] TALJAARD, PHILIPPUS PETRUS
ERASMUS, ZA
[71] HARDCORE AUTOMOTIVE
LOCKING TECHNOLOGIES (PTY)
LTD, ZA
[85] 2020-02-28
[86] 2017-06-13 (PCT/IB2017/053496)
[87] (WO2018/042264)
[30] ZA (2016/06093) 2016-09-02
[30] ZA (2016/06693) 2016-09-28
[30] IB (PCT/IB2016/057538) 2016-12-12

[21] **3,074,362**
[13] A1

[51] **Int.Cl. B23K 26/24 (2014.01) B23K 26/082 (2014.01) B23K 26/322 (2014.01)**
[25] EN
[54] **METHOD FOR LASER BEAM WELDING OF ONE OR MORE STEEL SHEETS MADE OF PRESS-HARDENABLE MANGANESE-BORON STEEL**
[54] **PROCEDE POUR LE SOUDAGE LASER D'UNE OU DE PLUSIEURS TOLES D'ACIER CONSTITUEES D'ACIER AU BORE ET AU MANGANESE POUVANT ETRE EMBOUTI A CHAUD**
[72] VON DER HEYDT, JANA, DE
[72] BOTH, CHRISTIAN, DE
[72] KESSLER, MICHAEL, DE
[71] BAOSTEEL TAILORED BLANKS
GMBH, DE
[85] 2020-02-28
[86] 2018-08-09 (PCT/EP2018/071573)
[87] (WO2019/042730)
[30] DE (10 2017 120 051.7) 2017-08-31

[21] **3,074,380**
[13] A1

[51] **Int.Cl. C07K 14/50 (2006.01) A61K 47/60 (2017.01) A61P 3/10 (2006.01) A61P 9/10 (2006.01) A61P 17/00 (2006.01) A61P 17/02 (2006.01) A61P 27/02 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **MUTANT FGF-21 PEPTIDE CONJUGATES AND USES THEREOF**
[54] **CONJUGUES DE PEPTIDE FGF-21 MUTANT ET LEURS UTILISATIONS**
[72] KOPEC, KARLA K., US
[72] LIU, PATRICK MENGYUAN, US
[71] 89BIO LTD., IL
[85] 2020-02-28
[86] 2018-09-04 (PCT/IB2018/001112)
[87] (WO2019/043457)
[30] US (62/553,970) 2017-09-04

PCT Applications Entering the National Phase

[21] **3,074,388**
[13] A1

[51] **Int.Cl. F16L 55/38 (2006.01) B08B 9/055 (2006.01) F28G 1/12 (2006.01) F28G 15/04 (2006.01)**

[25] EN
[54] **PIG PUMPING UNIT**
[54] **UNITE DE POMPAGE A RACLEUR**
[71] SIVACOE, ORLANDE, CA
[71] SIVACOE, LUISA ANNE, CA
[85] 2020-02-18
[86] 2017-09-01 (PCT/CA2017/051037)
[87] (WO2018/039805)
[30] CA (2940924) 2016-09-01

[21] **3,074,392**
[13] A1

[51] **Int.Cl. F25B 9/00 (2006.01) F01K 25/10 (2006.01) F25B 11/02 (2006.01)**

[25] EN
[54] **A COMBINED HEAT RECOVERY AND CHILLING SYSTEM AND METHOD**
[54] **SYSTEME COMBINE DE RECUPERATION DE CHALEUR ET DE REFRIGERATION ET PROCEDE**
[72] SANTINI, MARCO, IT
[72] AMIDEI, SIMONE, IT
[71] NUOVO PIGNONE TECNOLOGIE SRL, IT
[85] 2020-02-24
[86] 2018-08-22 (PCT/EP2018/072695)
[87] (WO2019/042847)
[30] IT (102017000096779) 2017-08-29

[21] **3,074,397**
[13] A1

[51] **Int.Cl. F03D 7/02 (2006.01) F03D 7/04 (2006.01)**

[25] EN
[54] **WIND TURBINE AND METHOD FOR OPERATING A WIND TURBINE**
[54] **EOLIENNE ET PROCEDE PERMETTANT DE FAIRE FONCTIONNER UNE EOLIENNE**
[72] VON ASWEGE, ENNO, DE
[71] WOBEN PROPERTIES GMBH, DE
[85] 2020-02-28
[86] 2018-08-30 (PCT/EP2018/073346)
[87] (WO2019/052827)
[30] DE (10 2017 121 563.8) 2017-09-18

[21] **3,074,398**
[13] A1

[51] **Int.Cl. C12N 15/85 (2006.01) C12N 5/079 (2010.01) A61K 48/00 (2006.01)**

[25] EN
[54] **RETINAL PROMOTER AND USES THEREOF**
[54] **PROMOTEUR RETINIEN ET SES UTILISATIONS**
[72] CHADDERTON, NAOMI, IE
[72] FARRAR, GWENYTH JANE, IE
[72] HANLON, KILLIAN, IE
[72] KENNA, PAUL F., IE
[72] PALFI, ARPAD, IE
[72] MILLINGTON WARD, SOPHIA, IE
[71] THE PROVOST, FELLOWS AND SCHOLARS OF THE COLLEGE OF THE HOLY AND UNDIVED TRINITY OF QUEEN ELIZABETH, NEAR DUBLIN, IE
[85] 2020-02-28
[86] 2018-09-03 (PCT/EP2018/073643)
[87] (WO2019/043234)
[30] GB (1714066.6) 2017-09-01

[21] **3,074,399**
[13] A1

[51] **Int.Cl. F03D 7/02 (2006.01)**

[25] EN
[54] **METHOD FOR OPERATING A WIND TURBINE IN EMERGENCY MODE AND CONTROLLER AN D WIND TURBINE**
[54] **PROCEDE POUR UNE EOLIENNE EN REGIME DE SECOURS, COMMANDE ET EOLIENNE**
[72] HARMS, HARRO, DE
[72] BERGEMANN, CONSTANTIN, DE
[71] WOBEN PROPERTIES GMBH, DE
[85] 2020-02-28
[86] 2018-09-07 (PCT/EP2018/074156)
[87] (WO2019/057522)
[30] DE (10 2017 121 750.9) 2017-09-20

[21] **3,074,401**
[13] A1

[51] **Int.Cl. C07D 307/33 (2006.01) C07H 1/00 (2006.01)**

[25] EN
[54] **N-ALKYL-D-GLUCARO-6 AMIDE DERIVATIVES AND ALKYLAMMONIUM SALTS THEREOF AS INTERMEDIATES FOR PREPARING D-GLUCARO-6,3-LACTONE MONOAMIDE**
[54] **DERIVES DE N-ALKYL-D-GLUCARO-6 AMIDE ET SELS D'ALKYLAMMONIUM DE CEUX-CI UTILISES EN TANT QU'INTERMEDIAIRES POUR LA PREPARATION DE D-GLUCARO-6,3-LACTONE MONOAMIDE**
[72] OHLMANN, DOMINIK, DE
[72] TISSBERGER, BORIS, DE
[72] BODENSTEIN, THOMAS, DE
[71] BASF SE, DE
[85] 2020-02-28
[86] 2018-09-28 (PCT/EP2018/076473)
[87] (WO2019/068583)
[30] EP (17194857.3) 2017-10-05

[21] **3,074,403**
[13] A1

[51] **Int.Cl. B23K 26/03 (2006.01) B23K 26/146 (2014.01)**

[25] EN
[54] **APPARATUS FOR MACHINING A WORKPIECE WITH A LASER BEAM**
[54] **APPAREIL D'USINAGE D'UNE PIECE PAR FAISCEAU LASER**
[72] HIPPERT, DAVID, CH
[72] LAPORTE, GREGOIRE, CH
[72] EPPLE, MAXIMILIAN, CH
[72] DIEHL, HELGI, CH
[72] RICHERZHAGEN, BERNOLD, CH
[71] SYNOVA S.A., CH
[85] 2020-02-28
[86] 2018-10-04 (PCT/EP2018/077038)
[87] (WO2019/068823)
[30] EP (17195003.3) 2017-10-05

Demandes PCT entrant en phase nationale

[21] **3,074,405**
[13] A1

[51] **Int.Cl. C08G 59/38 (2006.01) C08G 59/40 (2006.01) C08G 59/50 (2006.01) C08G 59/62 (2006.01)**

[25] EN

[54] **MULTICOMPONENT EPOXIDE RESIN COMPOSITION AND CURING AGENT COMPONENT THEREFOR**

[54] **MATIERE EN RESINE EPOXYDE A PLUSIEURS CONSTITUANTS ET CONSTITUANT DURCISSEUR S'Y RAPPORTANT**

[72] BEHRENS, NICOLE, DE

[72] BORNISCHLEGL, ALEXANDER, DE

[71] HILTI AKTIENGESELLSCHAFT, LI

[85] 2020-02-28

[86] 2018-11-05 (PCT/EP2018/080129)

[87] (WO2019/086654)

[30] EP (17200077.0) 2017-11-06

[21] **3,074,406**
[13] A1

[51] **Int.Cl. A61K 35/768 (2015.01) A61K 35/00 (2006.01) A61K 35/76 (2015.01) A61P 1/00 (2006.01) C12N 7/00 (2006.01) C12N 7/01 (2006.01) C12Q 1/70 (2006.01)**

[25] EN

[54] **BACTERIOPHAGE FOR MODULATING INFLAMMATORY BOWEL DISEASE**

[54] **BACTERIOPHAGE DE MODULATION DE MALADIE INTESTINALE INFLAMMATOIRE**

[72] HONDA, KENYA, JP

[72] ATARASHI, KOJI, JP

[72] NARUSHIMA, SEIKO, JP

[72] ELINAV, ERAN, IL

[72] SOREK, ROTEM, IL

[72] KHABRA, EFRAT, IL

[72] BEN DAVID, HAVA, IL

[72] WEINSTOCK, EYAL, IL

[72] POLLOCK, SARAH, IL

[72] MUTIUHIN, YULIA, IL

[72] ZAK, NAOMI, IL

[71] KEIO UNIVERSITY, JP

[71] BIOMX LTD., IL

[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD. AT THE WEIZMANN INSTITUTE OF SCNCE, IL

[85] 2020-02-28

[86] 2018-09-07 (PCT/IB2018/001128)

[87] (WO2019/048930)

[30] US (62/555,790) 2017-09-08

[21] **3,074,407**
[13] A1

[51] **Int.Cl. C03C 17/00 (2006.01) B29C 44/56 (2006.01) C03B 17/06 (2006.01) C03C 4/08 (2006.01)**

[25] EN

[54] **COATED SOLAR CONTROL GLASS ARTICLES**

[54] **ARTICLES EN VERRE PARE-SOLEIL REVETUS**

[72] MISRA, SOUMYADEEP, IN

[72] BASU, ARPAN, IN

[72] KULKARNI, SHRIJIT SUDHIR, IN

[72] KAPADIA, PRADEEP, IN

[71] SAINT-GOBAIN GLASS FRANCE, FR

[85] 2020-02-28

[86] 2018-09-11 (PCT/IN2018/050587)

[87] (WO2019/053741)

[30] IN (201741032744) 2017-09-15

[21] **3,074,408**
[13] A1

[51] **Int.Cl. B32B 15/08 (2006.01) B32B 3/26 (2006.01) B32B 7/12 (2006.01)**

[25] EN

[54] **RETICULATED REFLECTIVE MATERIAL**

[54] **MATERIAU REFLECHISSANT RETICULE**

[72] GOLD, ANNE C., US

[72] GUTTMANN, SILVIA G.B., US

[72] GILBERT, THOMAS J., US

[72] VOELKER, COREY D., US

[72] KOCH, BERNERD A., US

[71] 3M INNOVATIVE PROPERTIES COMPANY, US

[85] 2020-02-28

[86] 2018-08-30 (PCT/IB2018/056640)

[87] (WO2019/043621)

[30] US (62/553,462) 2017-09-01

[21] **3,074,409**
[13] A1

[51] **Int.Cl. A61C 19/04 (2006.01) A61C 19/05 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR REGISTRATION OF A DIGITAL DENTAL BITE**

[54] **APPAREIL ET PROCEDE D'ENREGISTREMENT D'UNE MORSURE DENTAIRE NUMERIQUE**

[72] CHARKHANDEH, SHOURESH, CA

[71] ZST HOLDINGS, INC., CA

[85] 2020-02-28

[86] 2018-08-30 (PCT/IB2018/056654)

[87] (WO2019/043633)

[30] US (62/551,851) 2017-08-30

[21] **3,074,410**
[13] A1

[51] **Int.Cl. C01B 32/956 (2017.01) C09C 1/28 (2006.01) C09C 3/06 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING ALUMINUM HYDROXIDE-COATED SILICON CARBIDE PARTICLE POWDER AND METHOD FOR PRODUCING DISPERSION CONTAINING THE SAME POWDER AND DISPERSING MEDIUM**

[54] **PROCEDE DE PRODUCTION D'UNE POUDRE DE PARTICULES DE CARBURE DE SILICIUM ENROBEES D'HYDROXYDE D'ALUMINIUM ET PROCEDE DE PRODUCTION D'UNE DISPERSION CONTENANT LADITE POUDRE ET UN MILIEU DE DISPERSION**

[72] TSUBOTA, SHOGO, JP

[72] TAGUCHI, SOUMA, JP

[72] ASHITAKA, KEIJI, JP

[72] MIWA, NAOYA, JP

[71] FUJIMI INCORPORATED, JP

[85] 2020-02-26

[86] 2018-09-28 (PCT/JP2018/036230)

[87] (WO2019/065956)

[30] JP (2017-188916) 2017-09-28

[30] JP (2017-188921) 2017-09-28

PCT Applications Entering the National Phase

[21] **3,074,411**
[13] A1

[51] **Int.Cl. F24S 30/455 (2018.01) H02S 20/20 (2014.01) A01G 9/24 (2006.01)**

[25] EN

[54] **SOLAR POWER GENERATION PLANT INSTALLABLE ON AGRICULTURAL INSTALLATIONS**

[54] **CENTRALE DE PRODUCTION D'ENERGIE SOLAIRE POUVANT ETRE INSTALLEE SUR DES INSTALLATIONS AGRICOLES**

[72] KNOCHE, RONALD, FR

[72] GHIDESI, GIANCARLO, IT

[71] REM TEC S.R.L., IT

[85] 2020-02-28

[86] 2018-09-10 (PCT/IB2018/056881)

[87] (WO2019/049094)

[30] IT (102017000101151) 2017-09-11

[21] **3,074,412**
[13] A1

[51] **Int.Cl. A61M 16/06 (2006.01)**

[25] EN

[54] **FRAME AND HEADGEAR FOR RESPIRATORY MASK SYSTEM**

[54] **STRUCTURE ET HARNAIS POUR SYSTEME DE MASQUE RESPIRATOIRE**

[72] PEREIRA, PRIYANKA FERDINAND, NZ

[72] GALGALI, AMIT, NZ

[72] GRAHAM, RYAN ANTHONY, NZ

[72] HOCKING, JAKE BAKER, NZ

[72] GORDON, CALLUM ROSS, NZ

[72] RICHARDSON, THOMAS MARK, NZ

[72] THOMPSON, MARK ANDREW, NZ

[72] GAO, VICKY DAN, NZ

[72] WILLIS, CAMERON ROBERT, NZ

[72] KIMPTON, JORDAN DEAN JONES, NZ

[72] SINTIVE, BRUNO, NZ

[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ

[85] 2020-02-28

[86] 2018-09-17 (PCT/IB2018/057094)

[87] (WO2019/053666)

[30] US (62/560,063) 2017-09-18

[21] **3,074,413**
[13] A1

[51] **Int.Cl. G08G 1/09 (2006.01) B60W 30/10 (2006.01)**

[25] EN

[54] **POSITION CORRECTION METHOD AND POSITION ERROR CORRECTION DEVICE FOR DRIVE-ASSISTED VEHICLE**

[54] **PROCEDE DE CORRECTION DE POSITION POUR VEHICULE D'AIDE A LA CONDUITE ET DISPOSITIF DE CORRECTION D'ERREUR DE POSITION**

[72] FUKUSHIGE, TAKASHI, JP

[72] TANGE, SATOSHI, JP

[71] NISSAN MOTOR CO., LTD., JP

[85] 2020-02-28

[86] 2017-08-30 (PCT/JP2017/031166)

[87] (WO2019/043831)

[21] **3,074,414**
[13] A1

[51] **Int.Cl. G08G 1/09 (2006.01) B60W 30/10 (2006.01)**

[25] EN

[54] **METHOD FOR CORRECTING POSITION ERROR AND DEVICE FOR CORRECTING POSITION ERROR IN DRIVE-ASSISTED VEHICLE**

[54] **PROCEDE DE CORRECTION D'ERREUR DE POSITION ET DISPOSITIF DE CORRECTION D'ERREUR DE POSITION DANS UN VEHICULE D'AIDE A LA CONDUITE**

[72] FUKUSHIGE, TAKASHI, JP

[72] TANGE, SATOSHI, JP

[71] NISSAN MOTOR CO., LTD., JP

[85] 2020-02-28

[86] 2017-08-30 (PCT/JP2017/031168)

[87] (WO2019/043833)

[21] **3,074,415**
[13] A1

[51] **Int.Cl. C07H 3/06 (2006.01) C08B 37/00 (2006.01) C13K 13/00 (2006.01)**

[25] EN

[54] **PRODUCTION METHOD FOR ACIDIC XYLOOLIGOSACCHARIDE, AND ACIDIC XYLOOLIGOSACCHARIDE**

[54] **XYLOOLIGOSACCHARIDE ACIDE, ET PROCEDE DE FABRICATION DE CELUI-CI**

[72] ISHIKAWA, KOTARO, JP

[72] KASHIWAMURA, TAKURO, JP

[72] KATO, TAKUYA, JP

[72] KOGA, TORU, JP

[72] ISHIKAWA, SUGURU, JP

[71] OJI HOLDINGS CORPORATION, JP

[85] 2020-02-28

[86] 2017-08-31 (PCT/JP2017/031433)

[87] (WO2018/043667)

[21] **3,074,416**
[13] A1

[51] **Int.Cl. A61K 31/397 (2006.01) A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 47/40 (2006.01) A61P 9/10 (2006.01)**

[25] EN

[54] **DOSING REGIMEN OF SIPONIMOD**

[54] **SCHEMA POSOLOGIQUE DE SIPONIMOD**

[72] CHA, JANG-HO, US

[72] DAHLKE, FRANK, CH

[72] GARDIN, ANNE, CH

[72] LEGANGNEUX, ERIC, CH

[72] MALANGA, III, CARL JOSEPH, US

[72] SHAKERI-NEJAD, KASRA, CH

[72] WALLSTROM, ERIK, CH

[72] WOLF, CHRISTIAN, BE

[71] NOVARTIS AG, CH

[85] 2020-02-28

[86] 2018-09-27 (PCT/IB2018/057493)

[87] (WO2019/064217)

[30] US (62/565,269) 2017-09-29

Demandes PCT entrant en phase nationale

[21] **3,074,417**
[13] A1

[51] **Int.Cl. B66B 5/04 (2006.01)**
[25] EN
[54] **FALL PROTECTION FOR A LIFT, AS WELL AS A LIFT WITH FALL PROTECTION**
[54] **PROTECTION CONTRE LES CHUTES DESTINEE A UN ASCENSEUR, ET ASCENSEUR POURVU D'UNE PROTECTION CONTRE LES CHUTES**
[72] MATHEEUWSEN, PASCAL, NL
[71] RAXTAR B.V., NL
[85] 2020-02-28
[86] 2018-08-30 (PCT/NL2018/050561)
[87] (WO2019/045564)
[30] NL (NL2019467) 2017-08-30

[21] **3,074,418**
[13] A1

[51] **Int.Cl. A61K 31/519 (2006.01) A61P 35/00 (2006.01) C12N 9/99 (2006.01)**
[25] EN
[54] **EXON 18 AND/OR EXON 21 MUTANT EGFR SELECTIVE INHIBITOR**
[54] **INHIBITEUR SELECTIF DE L'EGFR MUTE SUR L'EXON 18 ET/OU SUR L'EXON 21**
[72] ABE, NAOMI, JP
[72] HASAKO, SHINICHI, JP
[71] TAIHO PHARMACEUTICAL CO., LTD., JP
[85] 2020-02-28
[86] 2018-08-31 (PCT/JP2018/032314)
[87] (WO2019/045036)
[30] JP (2017-168606) 2017-09-01

[21] **3,074,419**
[13] A1

[51] **Int.Cl. C08B 37/00 (2006.01)**
[25] EN
[54] **PRODUCTION METHOD FOR PENTOSAN POLYSULFATE**
[54] **PROCEDE DE FABRICATION DE POLYSULFATE DE PENTOSANNE**
[72] ISHIKAWA, KOTARO, JP
[72] KASHIWAMURA, TAKURO, JP
[72] KATO, TAKUYA, JP
[72] KOGA, TORU, JP
[72] ISHIKAWA, SUGURU, JP
[71] OJI HOLDINGS CORPORATION, JP
[85] 2020-02-28
[86] 2017-08-31 (PCT/JP2017/031434)
[87] (WO2018/043668)

[21] **3,074,420**
[13] A1

[51] **Int.Cl. E02F 5/10 (2006.01) E02F 3/88 (2006.01)**
[25] EN
[54] **SUBSEA TRENCHER AND METHOD FOR SUBSEA TRENCHING**
[54] **TRANCHEUSE SOUS-MARINE ET PROCEDE D'EXCAVATION DE TRANCHEE SOUS-MARINE**
[72] HADDORP, REGINA, NL
[72] VERMEULEN, ALEXANDER CHRISTIAN, NL
[72] KOOY, OTTO JOOST, NL
[71] BLUEMARINE OFFSHORE YARD SERVICE B.V., NL
[85] 2020-02-28
[86] 2018-09-04 (PCT/NL2018/050567)
[87] (WO2019/050394)
[30] NL (2019487) 2017-09-05

[21] **3,074,421**
[13] A1

[51] **Int.Cl. A61K 45/00 (2006.01) C12N 15/113 (2010.01) A61K 47/68 (2017.01) A61K 38/17 (2006.01) A61K 39/395 (2006.01) A61P 15/00 (2006.01) C07K 16/24 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **IL-33 ANTAGONIST-CONTAINING THERAPEUTIC AGENT FOR ENDOMETRIOSIS**
[54] **AGENT THERAPEUTIQUE CONTENANT UN ANTAGONISTE DE L'IL-33 POUR TRAITER L'ENDOMETRIOSE**
[72] YOSHIMOTO, TOMOHIRO, JP
[72] PALUMBO, JOSEPH M., US
[72] STONE, I. VIOLETTA, US
[72] KATO, TORU, JP
[72] YASUDA, KOUBUN, JP
[71] MITSUBISHI TANABE PHARMA CORPORATION, JP
[71] HYOGO COLLEGE OF MEDICINE, JP
[85] 2020-02-28
[86] 2018-08-31 (PCT/JP2018/032494)
[87] (WO2019/045075)
[30] US (62/552,594) 2017-08-31

[21] **3,074,422**
[13] A1

[51] **Int.Cl. F01B 9/02 (2006.01) F02B 33/12 (2006.01) F02B 75/32 (2006.01)**
[25] EN
[54] **ENGINE CYLINDER ASSEMBLY AND COUNTER-ROTATING COMBUSTION ENGINE CONSTRUCTED WITH THE USE OF IT**
[54] **ENSEMBLE CYLINDRE DE MOTEUR ET MOTEUR A COMBUSTION CONTRAROTATIF CONSTRUIT A L'AIDE DE CELUI-CI**
[72] GAJ-JABLONSKI, WOJCIECH, PL
[71] GAJ-JABLONSKI, WOJCIECH, PL
[85] 2020-02-28
[86] 2017-09-01 (PCT/PL2017/000080)
[87] (WO2018/044184)
[30] PL (P.418544) 2016-09-02

[21] **3,074,423**
[13] A1

[51] **Int.Cl. C08L 9/06 (2006.01) B60C 1/00 (2006.01) B60C 15/06 (2006.01) C08K 3/04 (2006.01) C08K 3/36 (2006.01) C08L 15/00 (2006.01)**
[25] EN
[54] **HIGH-GRIP TIRE RUBBER COMPOSITIONS**
[54] **COMPOSITION DE CAOUTCHOUC POUR PNEUMATIQUE ANTIDERAPANT**
[72] KANBARA, HIROSHI, JP
[72] KODA, DAISUKE, JP
[72] UEHARA, YOSUKE, JP
[71] KURARAY CO., LTD., JP
[85] 2020-02-28
[86] 2018-08-29 (PCT/JP2018/031913)
[87] (WO2019/044890)
[30] JP (2017-168626) 2017-09-01

PCT Applications Entering the National Phase

[21] **3,074,424**
[13] A1

[51] **Int.Cl. C08G 18/42 (2006.01) C08G 18/66 (2006.01) C08G 63/16 (2006.01) C09J 175/04 (2006.01) C09J 175/06 (2006.01)**

[25] EN

[54] **URETHANE ACRYLATE HYBRID STRUCTURE ADHESIVES**

[54] **ADHESIFS A STRUCTURE HYBRIDE URETHANE-ACRYLATE**

[72] CHEN, JIANXIA, US

[71] HERCULES LLC, US

[85] 2020-02-28

[86] 2018-08-27 (PCT/US2018/048165)

[87] (WO2019/046200)

[30] US (62/552,436) 2017-08-31

[21] **3,074,425**
[13] A1

[51] **Int.Cl. A47K 10/36 (2006.01) B65H 20/02 (2006.01)**

[25] EN

[54] **SEPARATION UNIT AND A DISPENSER COMPRISING A SEPARATION UNIT**

[54] **UNITE DE SEPARATION ET DISTRIBUTEUR COMPRENANT UNE UNITE DE SEPARATION**

[72] LARSSON, BJORN, SE

[71] ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE

[85] 2020-02-28

[86] 2017-09-01 (PCT/SE2017/050872)

[87] (WO2019/045610)

[21] **3,074,426**
[13] A1

[51] **Int.Cl. C12N 5/079 (2010.01) C12N 5/0735 (2010.01) A61K 35/30 (2015.01) A61L 27/38 (2006.01) A61L 27/40 (2006.01) A61P 27/02 (2006.01) C12Q 1/06 (2006.01)**

[25] EN

[54] **CELL AGGREGATE INCLUDING RETINAL TISSUE AND PRODUCTION METHOD THEREFOR**

[54] **AGREGAT CELLULAIRE COMPRENANT DU TISSU RETINIEN, ET METHODE DE PRODUCTION CORRESPONDANTE**

[72] TAKAHASHI, MASAYO, JP

[72] MANDAI, MICHIKO, JP

[72] YAMASAKI, SUGURU, JP

[71] SUMITOMO DAINIPPON PHARMA CO., LTD., JP

[71] RIKEN, JP

[85] 2020-02-28

[86] 2018-09-07 (PCT/JP2018/033299)

[87] (WO2019/050015)

[30] JP (2017-173404) 2017-09-08

[21] **3,074,427**
[13] A1

[51] **Int.Cl. B60R 7/04 (2006.01) B60N 2/30 (2006.01)**

[25] EN

[54] **AUTOMOTIVE VEHICLE WITH EXPANDABLE UNDERSEAT STORAGE COMPARTMENT**

[54] **VEHICULE AUTOMOBILE AVEC COMPARTIMENT DE RANGEMENT DE SOUS-SIEGE EXTENSIBLE**

[72] NEAG, DORINEL, US

[72] LONG, JEFFREY E., US

[72] NEIGHBORS, KYLE, US

[72] SUDER, JIMMY L., US

[72] COLLINS, STUART E., US

[72] SCHENTEN, STEVEN J., US

[71] FCA US LLC, US

[85] 2020-02-27

[86] 2018-08-27 (PCT/US2018/048132)

[87] (WO2019/046187)

[30] US (15/689,537) 2017-08-29

[21] **3,074,428**
[13] A1

[51] **Int.Cl. A61K 8/64 (2006.01) A61K 8/65 (2006.01) A61Q 5/00 (2006.01)**

[25] EN

[54] **FUNCTIONALIZED POLYPEPTIDES USEFUL IN HAIR TREATMENT**

[54] **POLYPEPTIDES FONCTIONNALISES UTILES DANS LE TRAITEMENT DES CHEVEUX**

[72] RAVICHANDRAN, RANJITHKUMAR, SE

[72] PHOPASE, JAYWANT, SE

[71] UAB FERENTIS, LT

[71] RAVICHANDRAN, RANJITHKUMAR, SE

[85] 2020-02-28

[86] 2018-08-24 (PCT/SE2018/000020)

[87] (WO2019/045612)

[30] SE (1751041-3) 2017-08-30

[21] **3,074,429**
[13] A1

[51] **Int.Cl. A43C 1/06 (2006.01) A43C 7/08 (2006.01)**

[25] EN

[54] **DOUBLE PULL SQUARED-CORD SHOE CLOSURE SYSTEM**

[54] **SYSTEME DE FERMETURE DE CHAUSSURE A DOUBLE CORDON DE TIRAGE CARRE**

[72] ADAMS, THOMAS M., US

[72] SMOTRYCZ, ZENON O., US

[72] CLEMENT, ERIC J., US

[71] FIT SQUARED SHOES, LLC, US

[85] 2020-02-28

[86] 2017-08-31 (PCT/US2017/049759)

[87] (WO2018/052731)

[30] US (15/253,178) 2016-08-31

[30] US (62/535,063) 2017-07-20

Demandes PCT entrant en phase nationale

[21] **3,074,430**
[13] A1

[51] **Int.Cl. B21D 51/50 (2006.01) B21D 51/44 (2006.01) B21D 51/46 (2006.01) B65D 41/34 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD OF FORMING A METALLIC CLOSURE FOR A THREADED CONTAINER**

[54] **SYSTEME ET PROCEDE DE FORMATION D'UNE FERMETURE METALLIQUE POUR UN RECIPIENT FILETE**

[72] ROSS, JOHN R., US
[72] BONFOEY, DAVID J., US
[71] BALL CORPORATION, US
[85] 2020-02-27
[86] 2018-09-14 (PCT/US2018/051071)
[87] (WO2019/055777)
[30] US (62/559,347) 2017-09-15

[21] **3,074,431**
[13] A1

[51] **Int.Cl. B01D 67/00 (2006.01) A61L 9/04 (2006.01) A61L 9/12 (2006.01) B01D 69/10 (2006.01) B01D 71/26 (2006.01) C08K 9/06 (2006.01)**

[25] EN

[54] **TREATED MEMBRANE FOR FRAGRANCE DELIVERY**

[54] **MEMBRANE TRAITEE POUR DISTRIBUTION DE PARFUM**

[72] PARRINELLO, LUCIANO M., US
[72] GUO, QUNHUI, US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2020-02-28
[86] 2017-11-13 (PCT/US2017/061295)
[87] (WO2019/045760)
[30] US (62/553,350) 2017-09-01
[30] US (15/809,255) 2017-11-10

[21] **3,074,432**
[13] A1

[51] **Int.Cl. E05B 65/08 (2006.01) E05B 17/06 (2006.01) E05B 47/00 (2006.01) E05B 65/44 (2006.01) G07C 9/00 (2020.01)**

[25] EN

[54] **ELECTRONIC LOCK FOR CASEWORK SLIDING DOORS**

[54] **VERROU ELECTRONIQUE POUR PORTES COULISSANTES A BOITIER**

[72] MILLIGAN, CHARLES, US
[72] WATANABE, TODD, US
[71] ACCURIDE INTERNATIONAL INC., US
[85] 2020-02-28
[86] 2018-08-30 (PCT/US2018/048970)
[87] (WO2019/046654)
[30] US (62/551,962) 2017-08-30

[21] **3,074,433**
[13] A1

[51] **Int.Cl. F04B 17/03 (2006.01) E21B 43/12 (2006.01) F04B 53/10 (2006.01) F04B 53/14 (2006.01)**

[25] EN

[54] **PUMPING SYSTEM WITH ACTUATOR**

[54] **SYSTEME DE POMPAGE AVEC ACTIONNEUR**

[72] HUNTER, TIMOTHY HOLIMAN, US
[72] STEPHENSON, STANLEY VERNON, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-02-28
[86] 2017-12-15 (PCT/US2017/066720)
[87] (WO2019/117947)

[21] **3,074,434**
[13] A1

[51] **Int.Cl. C10L 1/19 (2006.01) C10L 1/16 (2006.01) C10L 1/182 (2006.01) C10L 1/198 (2006.01) C10L 1/222 (2006.01) C10L 1/224 (2006.01) C10L 1/238 (2006.01) C10L 1/2383 (2006.01) C10L 1/2387 (2006.01) C10L 10/06 (2006.01)**

[25] EN

[54] **AMINE SALTS FOR USE IN GASOLINE ENGINES**

[54] **SELS D'AMINES POUR MOTEURS A ESSENCE**

[72] BARTLEY, STUART L., US
[72] NYCE, MATTHEW, US
[71] THE LUBRIZOL CORPORATION, US
[85] 2020-02-28
[86] 2018-03-05 (PCT/US2018/020846)
[87] (WO2018/164986)
[30] US (62/467,292) 2017-03-06
[30] US (62/550,753) 2017-08-28

[21] **3,074,435**
[13] A1

[51] **Int.Cl. C08L 21/00 (2006.01) B60C 1/00 (2006.01) B60C 15/06 (2006.01) C08K 3/04 (2006.01) C08K 3/36 (2006.01) C08K 5/54 (2006.01) C08L 7/00 (2006.01) C08L 9/00 (2006.01) C08L 15/00 (2006.01)**

[25] EN

[54] **HEAVY-DUTY TIRE RUBBER COMPOSITIONS AND TIRES**

[54] **COMPOSITION DE CAOUTCHOUC DESTINEE A UN PNEUMATIQUE POUR CHARGEMENT LOURD, ET PNEUMATIQUE**

[72] KODA, DAISUKE, JP
[72] KANBARA, HIROSHI, JP
[71] KURARAY CO., LTD., JP
[85] 2020-02-28
[86] 2018-08-29 (PCT/JP2018/031915)
[87] (WO2019/044892)
[30] JP (2017-168628) 2017-09-01

PCT Applications Entering the National Phase

[21] **3,074,437**
[13] A1

[51] **Int.Cl. A61K 38/16 (2006.01) A61K 8/64 (2006.01) A61K 39/395 (2006.01) A61Q 19/00 (2006.01)**

[25] EN

[54] **COMPOSITION FOR PREVENTING AND TREATING SKIN DISEASE COMPRISING SUBSTANCE SPECIFICALLY BINDING TO VIMENTIN-DERIVED PEPTIDE**

[54] **COMPOSITION POUR PREVENIR ET TRAITER UNE MALADIE DE LA PEAU COMPRENANT UNE SUBSTANCE SE LIANT SPECIFIQUEMENT A UN PEPTIDE DERIVE DE LA VIMENTINE**

[72] KIM, YOON-WON, KR
[72] PARK, SUNGMAN, KR
[72] KIM, MIN SOO, KR
[71] IMMUNEMED INC., KR
[85] 2020-02-28
[86] 2018-08-30 (PCT/KR2018/010049)
[87] (WO2019/045477)
[30] KR (10-2017-0110924) 2017-08-31
[30] KR (PCT/KR2017/013706) 2017-11-28

[21] **3,074,438**
[13] A1

[51] **Int.Cl. A61B 34/30 (2016.01) B25J 5/00 (2006.01) B25J 18/00 (2006.01)**

[25] EN

[54] **ROBOTIC ARM CART HAVING SHOCK ABSORBING MECHANISMS AND USES THEREFOR**

[54] **CHARIOT A BRAS ROBOTISE AYANT DES MECANISMES D'ABSORPTION DES CHOCS ET UTILISATIONS DE CELUI-CI**

[72] TIMM, RICHARD WILLIAM, US
[72] LIM, SEUNG MO, US
[72] WIGGERS, ROBERT T., US
[72] SIU, BERNARD FAI KIN, US
[72] KOENIG, KAREN SHAKESPEAR, US
[71] VERB SURGICAL INC., US
[85] 2020-02-28
[86] 2018-06-04 (PCT/US2018/035900)
[87] (WO2019/067028)
[30] US (15/717,599) 2017-09-27

[21] **3,074,439**
[13] A1

[51] **Int.Cl. A23L 33/10 (2016.01) A23L 33/105 (2016.01) A23L 33/125 (2016.01)**

[25] EN

[54] **NUTRITIONAL SUPPLEMENTS AFFECTING GUT-BRAIN-AXIS BALANCE AND MENTAL WELLNESS**

[54] **COMPLEMENTS NUTRITIONNELS AFFECTANT L'EQUILIBRE DE L'AXE INTESTIN-CERVEAU ET LE BIEN-ETRE MENTAL**

[72] TALBOTT, SHAWN, US
[71] TALBOTT, SHAWN, US
[85] 2020-02-28
[86] 2018-08-30 (PCT/US2018/048980)
[87] (WO2019/046660)
[30] US (62/552,194) 2017-08-30

[21] **3,074,440**
[13] A1

[51] **Int.Cl. A61K 31/728 (2006.01) A61K 38/39 (2006.01) A61P 17/02 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION FOR TREATING KELOID AND USES THEREOF**

[54] **COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT DES CHELOIDES ET SES UTILISATIONS**

[72] HUANG, LYNN L.H., TW
[71] EXCEL MED, LLC, US
[71] NATIONAL CHENG KUNG UNIVERSITY, TW
[85] 2020-02-28
[86] 2018-08-31 (PCT/US2018/049017)
[87] (WO2019/046678)
[30] US (62/553,267) 2017-09-01

[21] **3,074,441**
[13] A1

[51] **Int.Cl. G06K 9/34 (2006.01) G06T 7/00 (2017.01)**

[25] EN

[54] **METHOD OF SORTING PROCEDE DE TRI**

[72] LODEWYCKX, PETER, BE
[72] VAN DAELE, MARC, BE
[72] JUSTICE, TIMOTHY, US
[71] KEY TECHNOLOGY, INC., US
[85] 2020-02-28
[86] 2018-06-27 (PCT/US2018/039749)
[87] (WO2019/055102)
[30] US (15/706,055) 2017-09-15

[21] **3,074,442**
[13] A1

[51] **Int.Cl. A61K 31/517 (2006.01) A61P 35/00 (2006.01) C07D 215/46 (2006.01)**

[25] EN

[54] **VISCOUS COMPOSITION FOR TREATING ISCHEMIA**

[54] **COMPOSITION VISQUEUSE POUR LE TRAITEMENT DE L'ISCHEMIE**

[72] HUANG, LYNN L.H., TW
[71] EXCEL MED, LLC, US
[71] NATIONAL CHENG KUNG UNIVERSITY, CN
[85] 2020-02-28
[86] 2018-08-31 (PCT/US2018/049003)
[87] (WO2019/046670)
[30] US (62/553,269) 2017-09-01

[21] **3,074,443**
[13] A1

[51] **Int.Cl. A61B 34/00 (2016.01) A61B 34/35 (2016.01)**

[25] EN

[54] **COLLISION HANDLING ALGORITHMS FOR ROBOTIC SURGICAL SYSTEMS**

[54] **ALGORITHMES DE GESTION DES COLLISIONS POUR SYSTEMES CHIRURGICAUX ROBOTIQUES**

[72] PEINE, WILLIAM, US
[71] COVIDIEN LP, US
[85] 2020-02-28
[86] 2018-09-04 (PCT/US2018/049334)
[87] (WO2019/050829)
[30] US (62/554,331) 2017-09-05

[21] **3,074,444**
[13] A1

[51] **Int.Cl. G21F 5/008 (2006.01)**

[25] EN

[54] **CONTAINMENT CASK FOR DRUM CONTAINING RADIOACTIVE HAZARDOUS WASTE**

[54] **CHATEAU DE CONFINEMENT POUR FUT CONTENANT DES DECHETS RADIOACTIFS DANGEREUX**

[72] SISLEY, STEVE E., US
[72] LANGSTON, ANDREW K., US
[72] SUBIRY, JUAN C., US
[71] NAC INTERNATIONAL INC., US
[85] 2020-02-28
[86] 2018-08-31 (PCT/US2018/049026)
[87] (WO2019/046683)
[30] US (62/552,726) 2017-08-31

Demandes PCT entrant en phase nationale

[21] **3,074,447**
[13] A1

[51] **Int.Cl. B64C 39/02 (2006.01)**
[25] EN
[54] **AERIAL VEHICLE IMPLEMENT HITCH ASSEMBLY**
[54] **ENSEMBLE D'ARRIMAGE D'INSTRUMENT DE VEHICULE AERIEN**
[72] ZVARA, STEPHEN, US
[71] PRECISION DRONE SERVICES INTELLECTUAL PROPERTY, LLC, US
[85] 2020-02-28
[86] 2018-08-31 (PCT/US2018/049063)
[87] (WO2019/046702)

[21] **3,074,448**
[13] A1

[51] **Int.Cl. C12N 5/0783 (2010.01) C12M 1/00 (2006.01)**
[25] EN
[54] **END-TO-END CELL THERAPY AUTOMATION**
[54] **AUTOMATISATION DE THERAPIE CELLULAIRE DE BOUT EN BOUT**
[72] SHI, YALING, US
[72] MCAFEE, ERIKA, US
[72] BANDAPALLE, SAMATHA, US
[72] SIEHOFF, ANN, DE
[72] GLEISSNER, TIMO, DE
[72] O'CONNOR, JOSEPH, US
[72] ABRAHAM, EYTAN, US
[72] PURPURA, KELLY, CA
[72] TRAINOR, NUALA, CA
[72] SMITH, TIMOTHY, CA
[71] LONZA WALKERSVILLE, INC., US
[71] LONZA COLOGNE GMBH, DE
[71] OCTANE BIOTECH INC., CA
[85] 2020-02-28
[86] 2018-08-31 (PCT/US2018/049171)
[87] (WO2019/046766)
[30] US (62/670,391) 2018-05-11
[30] US (62/553,214) 2017-09-01

[21] **3,074,449**
[13] A1

[51] **Int.Cl. A61K 38/27 (2006.01) A61K 9/50 (2006.01)**
[25] EN
[54] **HEPARIN COMPOSITION FOR TREATING ISCHEMIA**
[54] **COMPOSITION D'HEPARINE POUR LE TRAITEMENT DE L'ISCHEMIE**
[72] HUANG, LYNN, L.H., TW
[71] EXCEL MED, LLC, US
[71] NATIONAL CHENG KUNG UNIVERSITY, CN
[85] 2020-02-28
[86] 2018-09-05 (PCT/US2018/049466)
[87] (WO2019/050893)

[21] **3,074,450**
[13] A1

[51] **Int.Cl. A61K 31/445 (2006.01) A61P 9/04 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **METHODS OF ENHANCING AND/OR STABILIZING CARDIAC FUNCTION IN PATIENTS WITH FABRY DISEASE**
[54] **PROCEDES POUR AMELIORER ET/OU STABILISER LA FONCTION CARDIAQUE CHEZ DES PATIENTS ATTEINTS DE LA MALADIE DE FABRY**
[72] CASTELLI, JEFF, US
[72] BARTH, JAY, US
[72] SKUBAN, NINA, US
[71] AMICUS THERAPEUTICS, INC., US
[85] 2020-02-28
[86] 2018-08-28 (PCT/US2018/048257)
[87] (WO2019/046244)
[30] US (62/550,984) 2017-08-28

[21] **3,074,452**
[13] A1

[51] **Int.Cl. H04L 12/701 (2013.01)**
[25] EN
[54] **ADVANCED NETWORK ANALYTICS**
[54] **ANALYTIQUE DE RESEAU AVANCEE**
[72] PAPALOUKOPOULOS, GEORGIOS, US
[72] TSOLIS, GEORGIOS, US
[72] KORDELAS, ATHANASIOS, US
[72] KALOU, AIKATERINI, US
[72] STAVRAKOS, NICHOLAS, US
[71] CITRIX SYSTEMS, INC., US
[85] 2020-02-28
[86] 2018-08-28 (PCT/US2018/048267)
[87] (WO2019/046249)
[30] US (62/552,207) 2017-08-30
[30] US (15/938,753) 2018-03-28
[30] US (15/938,769) 2018-03-28

[21] **3,074,453**
[13] A1

[51] **Int.Cl. A63F 13/00 (2014.01)**
[25] EN
[54] **SENSORIMOTOR ASSESSMENT AND TRAINING**
[54] **EVALUATION ET ENTRAINEMENT SENSORIMOTEURS**
[72] FULLER, JASON R., US
[72] HEEGER, DAVID J., US
[72] MACKEY, WAYNE E., US
[71] STATE SPACE LABS, INC., US
[85] 2020-02-28
[86] 2018-09-05 (PCT/US2018/049557)
[87] (WO2019/050955)
[30] US (62/554,212) 2017-09-05
[30] US (16/121,210) 2018-09-04

[21] **3,074,456**
[13] A1

[51] **Int.Cl. A47C 20/08 (2006.01)**
[25] EN
[54] **ADJUSTABLE MATTRESS FOUNDATION AND PROCESS OF USE**
[54] **SOMMIER AJUSTABLE ET PROCEDE D'UTILISATION**
[72] KRAMER, KENNETH L., US
[72] WOODALL, JEFFREY M., US
[72] JAN, FRANCIS, US
[71] DREAMWELL, LTD., US
[85] 2020-02-28
[86] 2018-08-22 (PCT/US2018/047542)
[87] (WO2019/046067)
[30] US (15/692,015) 2017-08-31

PCT Applications Entering the National Phase

[21] **3,074,457**
[13] A1

[51] **Int.Cl. A61K 35/35 (2015.01) B01L 3/14 (2006.01) C12M 3/00 (2006.01) C12M 3/06 (2006.01)**

[25] EN

[54] **METHOD AND KIT FOR PRESERVATION OF ADIPOSE TISSUE GRAFTS**

[54] **PROCEDE ET KIT DE CONSERVATION DE GREFFONS DE TISSU ADIPEUX**

[72] RUBIN, J. PETER, US

[71] UNIVERSITY OF PITTSBURGH-OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATIO, US

[85] 2020-02-28

[86] 2018-08-31 (PCT/US2018/049083)

[87] (WO2019/046713)

[30] US (62/553,322) 2017-09-01

[21] **3,074,458**
[13] A1

[51] **Int.Cl. A61B 18/20 (2006.01) A61B 18/08 (2006.01)**

[25] EN

[54] **NON-ABLATIVE PHOTONIC DEVICES AND RELATED METHODS**

[54] **DISPOSITIFS PHOTONIQUES NON ABLATIFS ET PROCEDES ASSOCIES**

[72] DE TABOADA, LUIS, US

[72] PRYOR, BRIAN, US

[71] LITECURE, LLC, US

[85] 2020-02-28

[86] 2018-08-24 (PCT/US2018/047889)

[87] (WO2019/046117)

[30] US (62/552,299) 2017-08-30

[21] **3,074,459**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/519 (2006.01)**

[25] EN

[54] **INHIBITORS OF EGFR AND/OR HER2 AND METHODS OF USE**

[54] **INHIBITEURS D'EGFR ET/OU DE HER2 ET PROCEDES D'UTILISATION**

[72] HATCHER, JOHN M., US

[72] GRAY, NATHANAEL S., US

[72] JANG, JAE BONG, US

[72] DE CLERCQ, DRIES, US

[72] JANNE, PASI, US

[72] SAXON, JAMES A., US

[72] ECK, MICHAEL, US

[72] SCOTT, DAVID A., US

[72] VERANO, ALYSSA, US

[71] DANA-FARBER CANCER INSTITUTE, INC., US

[85] 2020-02-28

[86] 2018-08-31 (PCT/US2018/049186)

[87] (WO2019/046775)

[30] US (62/552,531) 2017-08-31

[21] **3,074,460**
[13] A1

[51] **Int.Cl. G02B 27/01 (2006.01) G02B 27/00 (2006.01) G02B 5/30 (2006.01) G02B 27/28 (2006.01)**

[25] EN

[54] **HEADS-UP DISPLAY AND COATING THEREFOR**

[54] **AFFICHAGE TETE HAUTE ET REVETEMENT ASSOCIE**

[72] WAGNER, ANDREW V., US

[72] MA, ZHIXUN, US

[72] O'SHAUGHNESSY, DENNIS J., US

[72] POLCYN, ADAM D., US

[71] VITRO FLAT GLASS LLC, US

[85] 2020-02-28

[86] 2018-08-27 (PCT/US2018/048077)

[87] (WO2019/046157)

[30] US (62/552,467) 2017-08-31

[30] US (16/111,496) 2018-08-24

[21] **3,074,461**
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01) G01N 30/26 (2006.01) G01N 33/00 (2006.01) G01N 33/06 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR ISOLATING AND ANALYZING CELLS**

[54] **SYSTEME ET PROCEDE POUR ISOLER ET ANALYSER DES CELLULES**

[72] HANDIQUE, KALYAN, US

[72] SHARMA, VISHAL, US

[72] GOGOI, PRIYADARSHINI, US

[72] CHOW, WILLIAM, US

[72] PAYNE, AUSTIN, US

[72] BONIFACE, BRIAN, US

[72] GLEASON, KYLE, US

[72] CONNOLLY, JOHN, US

[72] TUCK, SAM, US

[71] CELSEE DIAGNOSTICS, INC., US

[85] 2020-02-28

[86] 2018-08-28 (PCT/US2018/048353)

[87] (WO2019/046307)

[30] US (62/551,575) 2017-08-29

[30] US (62/671,750) 2018-05-15

[21] **3,074,462**
[13] A1

[51] **Int.Cl. G01B 11/14 (2006.01) G06T 7/73 (2017.01) G05B 19/02 (2006.01) G05B 21/02 (2006.01) G05D 1/02 (2020.01) G06K 9/46 (2006.01) G06T 3/60 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS TO APPLY MARKINGS**

[54] **SYSTEMES ET PROCEDES D'APPLICATION DE MARQUAGES**

[72] NEWMAN, WYATT S., US

[72] BELL, SAMUEL A., US

[71] CASE WESTERN RESERVE UNIVERSITY, US

[85] 2020-02-28

[86] 2018-08-31 (PCT/US2018/049118)

[87] (WO2019/046736)

[30] US (62/552,924) 2017-08-31

[30] US (62/567,621) 2017-10-03

Demandes PCT entrant en phase nationale

[21] **3,074,463**
[13] A1

[51] **Int.Cl. A24F 40/44 (2020.01) A24F 40/42 (2020.01) A24F 47/00 (2020.01) A61M 11/04 (2006.01)**

[25] EN
[54] **WICK FOR VAPORIZER DEVICE**
[54] **MECHE POUR DISPOSITIF VAPORISATEUR**

[72] ATKINS, ARIEL, US
[72] BOWEN, ADAM, US
[72] LEON DUQUE, ESTEBAN, US
[71] JUUL LABS, INC., US
[85] 2020-02-28
[86] 2018-08-28 (PCT/US2018/048368)
[87] (WO2019/046315)
[30] US (62/551,113) 2017-08-28
[30] US (62/721,512) 2018-08-22

[21] **3,074,464**
[13] A1

[51] **Int.Cl. G06Q 50/30 (2012.01) G01C 21/34 (2006.01) G05D 1/02 (2020.01) G08G 1/127 (2006.01)**

[25] EN
[54] **SYSTEMS AND METHODS FOR CHANGING A DESTINATION OF AN AUTONOMOUS VEHICLE IN REAL-TIME**
[54] **SYSTEMES ET PROCEDES POUR CHANGER UNE DESTINATION D'UN VEHICULE AUTONOME EN TEMPS REEL**

[72] NIX, MOLLY CASTLE, US
[72] CHIN, SEAN, US
[72] ZHAO, DENNIS, US
[72] MALIKSI, JOSEPH, US
[71] UATC, LLC, US
[85] 2020-02-28
[86] 2018-08-27 (PCT/US2018/048091)
[87] (WO2019/046164)
[30] US (62/553,240) 2017-09-01
[30] US (15/794,547) 2017-10-26

[21] **3,074,465**
[13] A1

[51] **Int.Cl. E21B 36/00 (2006.01) C09K 8/04 (2006.01)**

[25] EN
[54] **NANOSILICA DISPERSION FOR THERMALLY INSULATING PACKER FLUID**
[54] **DISPERSION DE NANOSILICE POUR FLUIDE DE GARNITURE D'ETANCHEITE THERMIQUEMENT ISOLANT**

[72] ALSAIHATI, ZAINAB, SA
[72] ALHELAL, ABDULAZIZ, SA
[72] AL-YAMI, ABDULLAH, SA
[72] WAGLE, VIKRANT, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-02-28
[86] 2018-09-06 (PCT/US2018/049643)
[87] (WO2019/051014)
[30] US (15/700,879) 2017-09-11

[21] **3,074,466**
[13] A1

[51] **Int.Cl. C12N 7/01 (2006.01) C12N 15/113 (2010.01) A61K 38/46 (2006.01) A61K 48/00 (2006.01) A61P 27/02 (2006.01) C12N 9/88 (2006.01) C12N 15/09 (2006.01) C12N 15/55 (2006.01) C12N 15/60 (2006.01) C12N 15/85 (2006.01) C12N 15/864 (2006.01)**

[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING CONE-ROD RETINAL DYSTROPHY**
[54] **METHODES ET COMPOSITIONS POUR TRAITER UNE DYSTROPHIE RETINIENNE DES CONES ET DES BATONNETS**

[72] BOYE, SHANNON E., US
[72] BOYE, SANFORD L., US
[72] MAEDER, MORGAN, US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, US
[71] EDITAS MEDICINE, INC., US
[85] 2020-02-28
[86] 2018-08-28 (PCT/US2018/048405)
[87] (WO2019/046341)
[30] US (62/551,212) 2017-08-28
[30] US (62/664,063) 2018-04-27

[21] **3,074,467**
[13] A1

[51] **Int.Cl. A61M 25/01 (2006.01) A61M 25/00 (2006.01) A61M 25/06 (2006.01) A61M 25/18 (2006.01) A61M 31/00 (2006.01)**

[25] EN
[54] **DEVICES AND METHODS FOR DELIVERING FLUID TO A NASAL CAVITY**
[54] **DISPOSITIFS ET PROCEDES DE DISTRIBUTION DE FLUIDE DANS UNE CAVITE NASALE**

[72] PUGH, MAGDA, US
[72] MAZHAR, KASHIF, US
[72] LAUT, MICHAEL EDWARD, US
[72] MCCRACKEN, NATHAN, US
[71] NEOSINUS HEALTH INC., US
[85] 2020-02-28
[86] 2018-09-06 (PCT/US2018/049668)
[87] (WO2019/055272)
[30] US (15/705,773) 2017-09-15

[21] **3,074,468**
[13] A1

[51] **Int.Cl. F16B 35/04 (2006.01) F16B 5/02 (2006.01) F16B 23/00 (2006.01)**

[25] EN
[54] **MULTI-FEATURED PANEL FASTENER AND PANEL SYSTEM INCLUDING THE MULTI-FEATURED PANEL FASTENER**
[54] **DISPOSITIF DE FIXATION DE PANNEAU A ELEMENTS MULTIPLES ET SYSTEME DE PANNEAU COMPRENANT LE DISPOSITIF DE FIXATION DE PANNEAU A ELEMENTS MULTIPLES**

[72] PAWLAK, SAMUEL D., US
[71] ARMSTRONG WORLD INDUSTRIES, INC., US
[85] 2020-02-28
[86] 2018-09-06 (PCT/US2018/049660)
[87] (WO2019/051024)
[30] US (62/554,780) 2017-09-06

PCT Applications Entering the National Phase

[21] **3,074,469**
[13] A1
[51] **Int.Cl. A63G 25/00 (2006.01) A63G 31/00 (2006.01)**
[25] EN
[54] **AUTONOMOUS TRANSPORTATION TECHNIQUES**
[54] **TECHNIQUES DE TRANSPORT AUTONOME**
[72] BLUM, STEVEN C., US
[72] SCHWARTZ, JUSTIN M., US
[72] OLIVER, CHRISTOPHER, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2020-02-28
[86] 2018-09-13 (PCT/US2018/050923)
[87] (WO2019/055682)
[30] US (62/558,749) 2017-09-14

[21] **3,074,470**
[13] A1
[51] **Int.Cl. A61K 35/28 (2015.01) C12N 5/0775 (2010.01) A61P 11/06 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING ALLERGIC AIRWAYS DISEASE (AAD)/ ASTHMA**
[54] **PROCEDE DE TRAITEMENT D'UNE MALADIE ALLERGIQUE DES VOIES RESPIRATOIRES (AAD)/DE L'ASTHME**
[72] SAMUEL, CHRISHAN, AU
[72] ROYCE, SIMON, AU
[71] CYNATA THERAPEUTICS LIMITED, AU
[85] 2020-03-02
[86] 2018-08-31 (PCT/AU2018/050937)
[87] (WO2019/051536)
[30] AU (2017903758) 2017-09-15

[21] **3,074,471**
[13] A1
[51] **Int.Cl. H04B 7/06 (2006.01) H04W 72/04 (2009.01) H04W 72/08 (2009.01) H04W 72/12 (2009.01) H04B 7/08 (2006.01) H04L 5/00 (2006.01)**
[25] EN
[54] **UPLINK BEAM TRAINING**
[54] **APPRENTISSAGE DE FAISCEAU DE LIAISON MONTANTE**
[72] SUBRAMANIAN, SUNDAR, US
[72] CEZANNE, JUERGEN, US
[72] SADIQ, BILAL, US
[72] ISLAM, MUHAMMAD NAZMUL, US
[72] ABEDINI, NAVID, US
[72] LI, JUNYI, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-02-28
[86] 2018-09-19 (PCT/US2018/051734)
[87] (WO2019/074635)
[30] US (62/570,022) 2017-10-09
[30] US (16/133,205) 2018-09-17

[21] **3,074,473**
[13] A1
[51] **Int.Cl. C05C 9/00 (2006.01) C05G 3/00 (2020.01)**
[25] EN
[54] **POLYMER COATED FERTILIZER**
[54] **ENGRAIS REVETU DE POLYMERE**
[72] ROSENTHAL, ERIC, US
[72] PATTERSON, BRIAN, US
[71] NUTRIENT ENCAPSULATION TECHNOLOGIES, US
[85] 2020-02-28
[86] 2018-08-29 (PCT/US2018/048416)
[87] (WO2019/046349)
[30] US (62/551,916) 2017-08-30

[21] **3,074,474**
[13] A1
[51] **Int.Cl. G06F 3/0484 (2013.01) G06F 3/0488 (2013.01) H04L 12/58 (2006.01) H04N 7/025 (2006.01) H04N 7/10 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IDENTIFYING AND OBSCURING OBJECTIONABLE CONTENT**
[54] **SYSTEME ET PROCEDE D'IDENTIFICATION ET DE MASQUAGE DE CONTENU INDESIRABLE**
[72] MONKARSH, JOSH, US
[71] PXLIZE, LLC, US
[85] 2020-02-28
[86] 2018-08-06 (PCT/US2018/045418)
[87] (WO2019/045956)
[30] US (15/691,571) 2017-08-30

[21] **3,074,476**
[13] A1
[25] EN
[54] **HARNESS WITH PIVOTING HIP CONNECTION**
[54] **HARNAIS AVEC LIAISON DE HANCHE PIVOTANTE**
[72] JACOB, MATTHEW FREDERICK, US
[71] MSA TECHNOLOGY, LLC, US
[85] 2020-02-28
[86] 2018-09-06 (PCT/US2018/049705)
[87] (WO2019/051055)

[21] **3,074,477**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **PROSTHETIC LEAFLET DEVICE**
[54] **DISPOSITIF DE FEUILLET PROTHETIQUE**
[72] MCLEAN, MATT, US
[72] GIFFORD, HANSON S., III, US
[72] FANN, JAMES I., US
[72] SUTTON, DOUGLAS, US
[71] HALF MOON MEDICAL, INC., US
[85] 2020-02-28
[86] 2018-07-24 (PCT/US2018/043566)
[87] (WO2019/045910)
[30] US (62/552,595) 2017-08-31
[30] US (62/582,519) 2017-11-07

Demandes PCT entrant en phase nationale

[21] **3,074,478**
[13] A1

[51] **Int.Cl. C09D 175/04 (2006.01) C08G 18/10 (2006.01) C08G 18/42 (2006.01) C08G 18/48 (2006.01) C08G 18/75 (2006.01) C08G 18/76 (2006.01) C09D 175/06 (2006.01)**

[25] EN

[54] **A HIGH STRENGTH LONG OPEN TIME POLYURETHANE REACTIVE HOT MELT**

[54] **ADHESIF THERMOFUSIBLE REACTIF A BASE DE POLYURETHANE A LONG TEMPS OUVERT ET HAUTE RESISTANCE**

[72] QIN, SHUHUI, US
[72] LI, YINGJIE, US
[72] LI, JEANNE, US
[71] HENKEL IP & HOLDING GMBH, DE
[85] 2020-02-28
[86] 2018-09-21 (PCT/US2018/052121)
[87] (WO2019/060658)
[30] US (62/561,786) 2017-09-22

[21] **3,074,479**
[13] A1

[51] **Int.Cl. A47C 20/00 (2006.01) A47C 19/00 (2006.01) A61G 7/00 (2006.01) A61G 13/00 (2006.01)**

[25] EN

[54] **ADJUSTABLE SUPPORT LEGS FOR A MATTRESS FOUNDATION**

[54] **PATTES DE SUPPORT REGLABLES POUR SOMMIER**

[72] KRAMER, KENNETH L., US
[72] WOODALL, JEFFREY M., US
[72] JAN, FRANCIS, US
[72] WIGGINS, BRIAN, US
[71] DREAMWELL, LTD., US
[85] 2020-02-28
[86] 2018-08-09 (PCT/US2018/046010)
[87] (WO2019/045988)
[30] US (15/690,368) 2017-08-30

[21] **3,074,480**
[13] A1

[51] **Int.Cl. C02F 3/12 (2006.01) B01D 21/02 (2006.01) C02F 3/30 (2006.01)**

[25] EN

[54] **BALLASTED ACTIVATED SLUDGE TREATMENT COMBINED WITH HIGH-RATE LIQUIDS/SOLIDS SEPARATION SYSTEMS**

[54] **TRAITEMENT DE BOUE ACTIVEE DE BALLASTAGE COMBINE A DES SYSTEMES DE SEPARATION DE LIQUIDES/SOLIDES A HAUT DEBIT**

[72] FRASER, JOHN, US
[71] CAROLLO ENGINEERS, INC., US
[85] 2020-02-28
[86] 2018-08-29 (PCT/US2018/048528)
[87] (WO2019/046416)
[30] US (62/553,393) 2017-09-01

[21] **3,074,482**
[13] A1

[51] **Int.Cl. C08G 18/10 (2006.01) C08G 18/12 (2006.01) C08G 18/20 (2006.01) C08G 18/48 (2006.01) C08G 18/72 (2006.01) C09D 175/04 (2006.01)**

[25] EN

[54] **SOLVENT FREE LIQUID MOISTURE CURABLE POLYURETHANE COMPOSITIONS WITH LONG OPEN TIMES AND FAST CURE RATES**

[54] **COMPOSITIONS DE POLYURETHANE DURCISSABLES A L'HUMIDITE LIQUIDES SANS SOLVANT AYANT DES TEMPS OUVERT LONGS ET DES VITESSES DE DURCISSEMENT RAPIDES**

[72] QIN, SHUHUI, US
[72] LI, YINGJIE, US
[72] LI, JEANNE, US
[71] HENKEL IP & HOLDING GMBH, DE
[85] 2020-02-28
[86] 2018-09-21 (PCT/US2018/052167)
[87] (WO2019/060681)
[30] US (62/561,759) 2017-09-22

[21] **3,074,483**
[13] A1

[51] **Int.Cl. C07K 14/50 (2006.01) A61K 38/18 (2006.01) A61K 39/395 (2006.01) C07K 14/705 (2006.01)**

[25] EN

[54] **FUSION PROTEIN COMPRISING AN FGF-18 MOIETY**

[54] **PROTEINE DE FUSION COMPRENANT UNE FRACTION FGF-18**

[72] GIGOUT, ANNE, DE
[72] BRENNEIS, CHRISTIAN, DE
[72] RYSIOK, THOMAS, DE
[72] ZIELONKA, STEFAN, DE
[71] MERCK PATENT GMBH, DE
[85] 2020-02-28
[86] 2018-09-20 (PCT/EP2018/075432)
[87] (WO2019/057805)
[30] EP (17192467.3) 2017-09-21
[30] EP (18182696.7) 2018-07-10

[21] **3,074,484**
[13] A1

[51] **Int.Cl. A44B 11/04 (2006.01) A47L 3/04 (2006.01) A62B 1/08 (2006.01) A62B 35/00 (2006.01) F16B 21/16 (2006.01) F16B 45/04 (2006.01) F16M 13/02 (2006.01)**

[25] EN

[54] **HARNES CONNECTOR**

[54] **CONNECTEUR DE FAISCEAU**

[72] HETRICH, MITCHELL H., US
[72] PITT, ROBERT, US
[71] MSA TECHNOLOGY, LLC, US
[85] 2020-02-28
[86] 2018-09-06 (PCT/US2018/049717)
[87] (WO2019/051065)
[30] US (15/698,264) 2017-09-07
[30] US (15/818,110) 2017-11-20

PCT Applications Entering the National Phase

[21] **3,074,487**
[13] A1

[51] **Int.Cl. H01M 4/66 (2006.01) H01M 4/80 (2006.01)**
[25] EN
[54] **LITHIUM ENERGY STORAGE DEVICE WITH INTERNAL FUSE**
[54] **D'ENERGIE AU LITHIUM DOTE DE FUSIBLE INTERNE**
[72] MORIN, BRIAN G., US
[71] SOTERIA BATTERY INNOVATION GROUP INC., US
[85] 2020-02-28
[86] 2018-09-06 (PCT/US2018/049799)
[87] (WO2019/051123)
[30] US (15/700,077) 2017-09-09
[30] US (15/927,072) 2018-03-20
[30] US (15/927,075) 2018-03-20
[30] US (15/927,078) 2018-03-20

[21] **3,074,488**
[13] A1

[51] **Int.Cl. B05B 1/30 (2006.01) E21B 43/08 (2006.01) E21B 43/12 (2006.01) E21B 43/24 (2006.01) F16L 55/02 (2006.01) F16L 55/07 (2006.01)**
[25] EN
[54] **FLOW CONTROL NOZZLE AND APPARATUS COMPRISING A FLOW CONTROL NOZZLE**
[54] **BUSE DE REGULATION DE DEBIT ET APPAREIL COMPRENANT UNE BUSE DE REGULATION DE DEBIT**
[72] FERMANIUK, BRENT D., CA
[72] ZHU, DA, CA
[72] CLAERHOUT, MIKE, CA
[71] RGL RESERVOIR MANAGEMENT INC., CA
[85] 2020-03-02
[86] 2017-10-05 (PCT/CA2017/051195)
[87] (WO2019/041018)
[30] US (62/552,290) 2017-08-30

[21] **3,074,489**
[13] A1

[51] **Int.Cl. C09K 8/508 (2006.01)**
[25] EN
[54] **LOSS CIRCULATION MATERIAL COMPOSITION HAVING AN ACIDIC NANOPARTICLE BASED DISPERSION AND POLYAMINE**
[54] **COMPOSITION DE MATERIAU CONTRE LA PERTE DE CIRCULATION COMPORTANT UNE DISPERSION A BASE DE NANOPARTICULES ACIDES ET UNE POLYAMINE**
[72] AL-YAMI, ABDULLAH, SA
[72] ALSAIHATI, ZAINAB, SA
[72] WAGLE, VIKRANT, SA
[72] ALHELAL, ABDULAZIZ, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-02-28
[86] 2018-09-07 (PCT/US2018/049821)
[87] (WO2019/051140)
[30] US (15/700,882) 2017-09-11

[21] **3,074,490**
[13] A1

[51] **Int.Cl. E04H 4/00 (2006.01) A63B 69/00 (2006.01) F04D 35/00 (2006.01)**
[25] EN
[54] **WAVE POOL AND WAVE GENERATOR FOR BI-DIRECTIONAL AND DYNAMICALLY-SHAPED SURFING WAVES**
[54] **PISCINE A VAGUES ET GENERATEUR DE VAGUES POUR DES VAGUES DE SURF BIDIRECTIONNELLES ET DE FORME DYNAMIQUE**
[72] FINCHAM, ADAM, US
[72] POIROT, ALEX, US
[72] LOWEN, NATHAN, US
[72] SLATER, ROBERT KELLY, US
[71] KELLY SLATER WAVE COMPANY, LLC, US
[85] 2020-02-28
[86] 2018-08-30 (PCT/US2018/048794)
[87] (WO2019/046549)
[30] US (15/691,175) 2017-08-30

[21] **3,074,492**
[13] A1

[51] **Int.Cl. G07C 9/00 (2020.01)**
[25] EN
[54] **LOCKER MANAGEMENT TECHNIQUES**
[54] **TECHNIQUES DE GESTION DE CASIERS**
[72] MCGEHEE, WILLIAM V., US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2020-02-28
[86] 2018-08-21 (PCT/US2018/047355)
[87] (WO2019/060075)
[30] US (15/711,614) 2017-09-21

[21] **3,074,493**
[13] A1

[51] **Int.Cl. H02K 41/02 (2006.01) H02K 11/215 (2016.01) G01R 31/34 (2020.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR LINEAR ELECTRIC MACHINE**
[54] **PROCEDES ET APPAREIL POUR MACHINE ELECTRIQUE LINEAIRE**
[72] HAGEN, KYLE A., CA
[72] MCFADDEN, PATRICK A., CA
[72] BETHUNE-WADDELL, MAXIMILIEN F., CA
[72] RENDELL, JEFFREY R., CA
[71] IRIS DYNAMICS LTD, CA
[85] 2020-03-02
[86] 2018-02-20 (PCT/CA2018/050192)
[87] (WO2018/148850)
[30] US (62/461,150) 2017-02-20

Demandes PCT entrant en phase nationale

[21] **3,074,494**
[13] A1

[51] **Int.Cl. A61F 13/15 (2006.01) A61F 13/49 (2006.01)**

[25] EN

[54] **BEAMED ELASTOMERIC LAMINATE STRUCTURE, FIT, AND TEXTURE**

[54] **STRUCTURE STRATIFIEE ELASTOMERE EN FAISCEAUX, AJUSTEMENT ET TEXTURE**

[72] LAVON, GARY DEAN, US

[72] SEITZ, BRET DARREN, US

[72] SCHNEIDER, UWE, US

[72] ECKSTEIN, JOSEPH ALLEN, US

[72] MELENDEZ, VANESSA MARIE, US

[72] TOURNOUX, MONICA R., US

[72] ROWLEY, CORINNE ASHLEY, US

[72] BRUNS, ELIZABETH JO, US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2020-02-28

[86] 2018-08-30 (PCT/US2018/048800)

[87] (WO2019/046552)

[30] US (62/553,149) 2017-09-01

[30] US (62/553,538) 2017-09-01

[30] US (62/553,171) 2017-09-01

[30] US (62/581,278) 2017-11-03

[30] US (15/832,929) 2017-12-06

[30] US (15/833,057) 2017-12-06

[30] US (15/838,405) 2017-12-12

[30] US (15/839,896) 2017-12-13

[30] US (15/846,391) 2017-12-19

[30] US (15/846,745) 2017-12-19

[30] US (15/846,382) 2017-12-19

[30] US (15/846,409) 2017-12-19

[30] US (15/846,433) 2017-12-19

[30] US (15/846,371) 2017-12-19

[30] US (15/846,349) 2017-12-19

[30] US (15/846,360) 2017-12-19

[30] US (15/846,341) 2017-12-19

[30] US (62/685,429) 2018-06-15

[30] US (62/686,896) 2018-06-19

[30] US (62/687,031) 2018-06-19

[30] US (16/115,617) 2018-08-29

[21] **3,074,495**
[13] A1

[51] **Int.Cl. A61K 35/12 (2015.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) C07K 14/725 (2006.01) C12N 5/00 (2006.01)**

[25] EN

[54] **METHODS FOR PREPARING THERAPEUTICALLY ACTIVE CELLS USING MICROFLUIDICS**

[54] **PROCEDES DE PREPARATION DE CELLULES THERAPEUTIQUEMENT ACTIVES AU MOYEN DE LA MICROFLUIDIQUE**

[72] WARD, ANTHONY, US

[72] CAMPOS-GONZALEZ, ROBERTO, US

[72] SKELLEY, ALISON, US

[72] GANDHI, KHUSHROO, US

[72] GRISHAM, MICHAEL, US

[72] CIVIN, CURT, US

[72] STURM, JAMES C., US

[71] GPB SCIENTIFIC, LLC, US

[71] THE TRUSTEES OF PRINCETON UNIVERSITY, US

[71] UNIVERSITY OF MARYLAND, BALTIMORE, US

[85] 2020-02-28

[86] 2018-08-22 (PCT/US2018/047426)

[87] (WO2019/046052)

[30] US (62/553,723) 2017-09-01

[30] US (62/567,553) 2017-10-03

[30] US (PCT/US2017/057876) 2017-10-23

[30] US (62/635,304) 2018-02-26

[30] US (62/656,939) 2018-04-12

[21] **3,074,496**
[13] A1

[51] **Int.Cl. G01N 21/359 (2014.01) G01N 21/3577 (2014.01) G01N 33/28 (2006.01)**

[25] EN

[54] **REAL TIME CRUDE OIL VALUATION VIA SWEPT SOURCE SPECTROSCOPY**

[54] **EVALUATION DE PETROLE BRUT EN TEMPS REEL PAR SPECTROSCOPIE A BALAYAGE DE SOURCE**

[72] LITTLE, JOSEPH PAUL, US

[72] THOMAS, MATTHEW R., US

[71] JP3 MEASUREMENT, LLC, US

[85] 2020-02-28

[86] 2018-09-25 (PCT/US2018/052658)

[87] (WO2019/060892)

[30] US (62/562,690) 2017-09-25

[21] **3,074,498**
[13] A1

[51] **Int.Cl. D06F 39/02 (2006.01) D06F 33/37 (2020.01) D06F 34/28 (2020.01) D06F 33/00 (2020.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR DISPENSING LAUNDRY CHEMISTRY BASED UPON OZONE CONCENTRATION**

[54] **PROCEDE ET SYSTEME DE DISTRIBUTION DE LESSIVE FONDES SUR LA CONCENTRATION D'OZONE**

[72] DANIELS, RALPH G., US

[71] AWOIS, LLC, US

[85] 2020-02-28

[86] 2018-08-30 (PCT/US2018/048828)

[87] (WO2019/046567)

[30] US (15/690,550) 2017-08-30

[21] **3,074,499**
[13] A1

[51] **Int.Cl. C09K 8/508 (2006.01)**

[25] EN

[54] **WELL TREATMENT FLUID HAVING AN ACIDIC NANOPARTICLE BASED DISPERSION AND A POLYAMINE**

[54] **FLUIDE DE TRAITEMENT DE PUIT PRESENTANT UNE DISPERSION A BASE DE NANOPARTICULES ACIDES ET UNE POLYAMINE**

[72] WAGLE, VIKRANT, SA

[72] AL-YAMI, ABDULLAH, SA

[72] ALSAIHATI, ZAINAB, SA

[72] ALHELAL, ABDULAZIZ, SA

[71] SAUDI ARABIAN OIL COMPANY, SA

[85] 2020-02-28

[86] 2018-09-07 (PCT/US2018/049824)

[87] (WO2019/051142)

[30] US (15/700,886) 2017-09-11

PCT Applications Entering the National Phase

[21] **3,074,500**
[13] A1

[51] **Int.Cl. A47L 9/04 (2006.01) A47L 5/00 (2006.01) A47L 9/32 (2006.01) F16L 25/00 (2006.01) F16L 37/00 (2006.01)**

[25] EN

[54] **VACUUM CLEANER TOOL HAVING A ROTATABLE DUCT FOR MOVING BETWEEN A USE POSITION AND STORAGE POSITION ON A VACUUM CLEANER**

[54] **PIECE D'ASPIRATEUR POUR VUE D'UN CONDUIT ROTATIF DESTINE A ETRE DEPLACE ENTRE UNE POSITION D'UTILISATION ET UNE POSITION DE RANGEMENT SUR UN ASPIRATEUR**

[72] THORNE, JASON B., US
[72] CALVINO, ALEXANDER J., US
[72] SU, MINGSHUN, CN
[72] YANG, ROBERT, CN
[72] CAI, CHARLIE, CN
[72] HOWES, GORDON, CN
[72] BOND, BRIAN M., US
[72] CORNELIUS, LEANNA, US
[71] SHARKNINJA OPERATING LLC, US
[85] 2020-02-28
[86] 2018-08-30 (PCT/US2018/048858)
[87] (WO2019/046583)
[30] US (62/553,247) 2017-09-01

[21] **3,074,501**
[13] A1

[51] **Int.Cl. H04L 12/46 (2006.01) H04L 12/715 (2013.01) G06F 9/455 (2018.01) H04L 12/24 (2006.01) H04L 12/28 (2006.01)**

[25] EN

[54] **CREATING VIRTUAL NETWORKS SPANNING MULTIPLE PUBLIC CLOUDS**

[54] **CREATION DE RESEAUX VIRTUELS COUVRANT DE MULTIPLES NUAGES PUBLICS**

[72] CIDON, ISRAEL, US
[72] DAR, CHEN, IL
[72] VENUGOPAL, PRASHANTH, US
[72] ZOHAR, EYAL, IL
[72] MARKUZE, ALEX, IL
[72] BERGMAN, ARAN, IL
[71] VMWARE, INC., US
[85] 2020-02-28
[86] 2018-10-01 (PCT/US2018/053811)
[87] (WO2019/070611)
[30] US (62/566,524) 2017-10-02
[30] US (15/972,086) 2018-05-04
[30] US (15/972,083) 2018-05-04
[30] US (15/972,088) 2018-05-04
[30] US (15/972,090) 2018-05-04
[30] US (15/972,091) 2018-05-04
[30] US (15/972,093) 2018-05-04
[30] US (15/972,095) 2018-05-04
[30] US (15/972,098) 2018-05-04
[30] US (15/972,100) 2018-05-04
[30] US (15/972,102) 2018-05-04
[30] US (15/972,103) 2018-05-04
[30] US (15/972,104) 2018-05-04

[21] **3,074,503**
[13] A1

[51] **Int.Cl. A47L 9/14 (2006.01) A47L 9/19 (2006.01) A47L 9/20 (2006.01) A47L 11/33 (2006.01)**

[25] EN

[54] **CLEANING DEVICE**

[54] **DISPOSITIF DE NETTOYAGE**

[72] JAMES, SAMUEL EMRYS, GB
[72] DOUGLAS, MICHAEL JAMES, GB
[72] CLARE, DAVID STEPHEN, GB
[72] PINCHES, CHRIS, GB
[72] SARDAR, NICHOLAS JAMES, GB
[72] CROGGON, JAMIE, GB
[72] LEE, DAMIAN, US
[71] SHARKNINJA OPERATING LLC, US
[85] 2020-02-28
[86] 2018-09-10 (PCT/US2018/050308)
[87] (WO2019/051431)
[30] US (62/556,883) 2017-09-11
[30] US (62/564,427) 2017-09-28
[30] US (62/577,878) 2017-10-27

[21] **3,074,504**
[13] A1

[51] **Int.Cl. B60W 30/14 (2006.01)**

[25] EN

[54] **SYSTEMS, DEVICES, AND METHODS FOR VEHICLE SPEED CONTROL**

[54] **SYSTEMES, DISPOSITIFS, ET PROCEDES POUR COMMANDE DE VITESSE DE VEHICULE**

[72] NANCE, DAVID, US
[72] ZISKIND, ILYA, US
[71] ATC TECHNOLOGIES, LLC, US
[85] 2020-02-28
[86] 2018-08-30 (PCT/US2018/048864)
[87] (WO2019/046586)
[30] US (62/552,051) 2017-08-30

[21] **3,074,505**
[13] A1

[51] **Int.Cl. G06K 9/62 (2006.01) G06N 3/04 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR AUTOMATIC ESTIMATION OF OBJECT CHARACTERISTICS FROM DIGITAL IMAGES**

[54] **SYSTEMES ET PROCEDES D'ESTIMATION AUTOMATIQUE DE CARACTERISTIQUES D'OBJET A PARTIR D'IMAGES NUMERIQUES**

[72] STRONG, SHADRIAN, US
[72] MURR, DAVID, US
[72] DYRUD, LARS, US
[71] OMNIEARTH, INC., US
[85] 2020-02-28
[86] 2018-08-30 (PCT/US2018/048887)
[87] (WO2019/046599)
[30] US (62/553,011) 2017-08-31

Demandes PCT entrant en phase nationale

[21] **3,074,507**
[13] A1

[51] **Int.Cl. A63F 13/67 (2014.01)**
[25] EN
[54] **DYNAMICALLY CONFIGURABLE WAGER-BASED GAMING DEVICE WITH SKILL-AFFECTED AND CHANCE-BASED PAYOUT CONFIGURATIONS**
[54] **DISPOSITIF DE JEU BASE SUR LE PARI CONFIGURABLE DYNAMIQUEMENT PRESENTANT DES CONFIGURATIONS DE PAIEMENT LIEES A DES COMPETENCES ET BASEES SUR LA CHANCE**
[72] WASHINGTON, GEORG, US
[72] OBERBERGER, MICHAEL, US
[71] SYNERGY BLUE, LLC, US
[85] 2020-02-28
[86] 2018-10-02 (PCT/US2018/054035)
[87] (WO2019/070765)
[30] US (62/567,186) 2017-10-02

[21] **3,074,509**
[13] A1

[51] **Int.Cl. F25C 1/12 (2006.01) F25C 1/00 (2006.01) F25C 1/16 (2006.01) F25D 31/00 (2006.01)**
[25] EN
[54] **SOLID PRODUCTION METHODS, SYSTEMS, AND DEVICES**
[54] **PROCEDES, SYSTEMES ET DISPOSITIFS DE PRODUCTION DE SOLIDE**
[72] GOLDFARBMUREN, RUSSELL, US
[72] ERICKSON, LUKE, US
[72] NELSON, JOSH, US
[72] DARRAH, JOHN, US
[72] SANCHEZ, MAURICIO, US
[72] LORD, CHANCE, US
[71] REBOUND TECHNOLOGIES, INC., US
[85] 2020-02-28
[86] 2018-09-01 (PCT/US2018/049288)
[87] (WO2019/046836)
[30] US (62/553,738) 2017-09-01
[30] US (16/119,661) 2018-08-31

[21] **3,074,510**
[13] A1

[51] **Int.Cl. A01H 5/00 (2018.01) A61K 31/352 (2006.01) C12N 15/09 (2006.01) C12N 15/29 (2006.01) C12N 15/52 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **METHOD FOR DIFFERENTIATING CANNABIS PLANT CULTIVARS BASED ON CANNABINOID SYNTHASE PARALOGS**
[54] **PROCEDE DE DIFFERENCIATION DE CULTIVARS DE PLANTE DE CANNABIS SUR LA BASE DE PARALOGUES DE SYNTHASE DE CANNABINOIDES**
[72] PAULI, CHRISTOPHER, US
[72] CLANCY, KAYLA, US
[72] VERGARA, DANIELA, US
[72] KANE, NOLAN COBURN, US
[72] TORRES, ANTHONY C., US
[72] GIVENS, ROBERT, US
[72] GAUDINO, REGINALD, US
[72] CIZEK, CHRISTIAN, US
[71] THE REGENTS OF THE UNIVERSITY OF COLORADO, US
[71] STEEP HILL, INC., US
[85] 2020-02-28
[86] 2018-10-03 (PCT/US2018/054199)
[87] (WO2019/070876)
[30] US (62/567,753) 2017-10-03

[21] **3,074,511**
[13] A1

[51] **Int.Cl. C11D 3/22 (2006.01) C11D 3/33 (2006.01) C11D 3/37 (2006.01) C11D 7/32 (2006.01) C11D 11/00 (2006.01) C11D 17/04 (2006.01)**
[25] EN
[54] **DISHWASHING CLEANING COMPOSITION**
[54] **COMPOSITION DE NETTOYAGE POUR LE LAVAGE DE LA VAISSELLE**
[72] SCIALLA, STEFANO, BE
[72] MARTIN, RACHEL ELIZABETH, GB
[72] PRESTON, KAREN MARGARET, GB
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-02-28
[86] 2018-10-04 (PCT/US2018/054277)
[87] (WO2019/070923)
[30] EP (17195051.2) 2017-10-05

[21] **3,074,512**
[13] A1

[51] **Int.Cl. A01C 21/00 (2006.01) B64D 1/08 (2006.01) B64D 1/16 (2006.01) A01C 1/06 (2006.01) A01C 7/04 (2006.01)**
[25] EN
[54] **SEED DISTRIBUTION ASSEMBLY FOR AN AERIAL VEHICLE**
[54] **ENSEMBLE DE DISTRIBUTION DE SEMENCES POUR VEHICULE AERIEN**
[72] ZVARA, STEPHEN, US
[71] PRECISION DRONE SERVICES INTELLECTUAL PROPERTY, LLC, US
[85] 2020-02-28
[86] 2018-09-02 (PCT/US2018/049290)
[87] (WO2019/046837)
[30] US (62/553,839) 2017-09-02

[21] **3,074,513**
[13] A1

[51] **Int.Cl. C09B 11/12 (2006.01) C09B 11/16 (2006.01) C09B 11/26 (2006.01) C11D 3/37 (2006.01) C11D 3/40 (2006.01) C11D 3/42 (2006.01)**
[25] EN
[54] **LAUNDRY CARE COMPOSITIONS, METHODS, AND TEST KITS FOR DETERMINING AUTHENTICITY**
[54] **COMPOSITIONS DE SOINS DU LINGE, PROCEDES ET KITS DE TEST POUR DETERMINER LEUR AUTHENTICITE**
[72] MIRACLE, GREGORY SCOT, US
[72] DITULLIO, DANIEL DALE, JR., US
[72] DEY, SANJEEV KUMAR, US
[72] QIN, HAIHU, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-02-28
[86] 2018-10-11 (PCT/US2018/055316)
[87] (WO2019/075140)
[30] US (62/571,283) 2017-10-12
[30] US (62/596,125) 2017-12-08

PCT Applications Entering the National Phase

[21] **3,074,514**
[13] A1

[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **SCHEDULING REQUEST CONFIGURATION METHOD AND SENDING METHOD, AND CORRESPONDING APPARATUS**
[54] **PROCEDE DE CONFIGURATION DE DEMANDE DE PLANIFICATION, PROCEDE DE TRANSMISSION ET DISPOSITIF CORRESPONDANT**
[72] XU, HAIBO, CN
[72] XIAO, XIAO, CN
[72] PANG, GAOKUN, CN
[72] WANG, JIAN, CN
[72] CAO, ZHENZHEN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-03-02
[86] 2018-05-10 (PCT/CN2018/086306)
[87] (WO2019/062133)
[30] CN (201710911558.9) 2017-09-29

[21] **3,074,515**
[13] A1

[51] **Int.Cl. C11D 3/40 (2006.01) C11D 3/42 (2006.01) C11D 11/00 (2006.01)**
[25] EN
[54] **LAUNDRY CARE COMPOSITIONS AND METHODS FOR DETERMINING THEIR AGE**
[54] **COMPOSITIONS DE SOIN DU LINGE ET PROCEDES PERMETTANT DE DETERMINER LEUR AGE**
[72] MIRACLE, GREGORY SCOT, US
[72] DITULLIO, DANIEL DALE, JR., US
[72] FREUND, WESLEY A., US
[72] QIN, HAIHU, US
[72] DEY, SANJEEV KUMAR, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-02-28
[86] 2018-10-11 (PCT/US2018/055315)
[87] (WO2019/075139)
[30] US (62/571,282) 2017-10-12
[30] US (62/596,124) 2017-12-08

[21] **3,074,516**
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) A61K 31/00 (2006.01) A61K 39/12 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS OF MANAGING TUMOR FLARE IN ADOPTIVE IMMUNOTHERAPY**
[54] **METHODES DE GESTION DE LA FLAMBEE TUMORALE LIEE A L'IMMUNOTHERAPIE ADOPTIVE**
[72] BAIOCCHI, ROBERT, US
[71] ATARA BIOTHERAPEUTICS, INC., US
[85] 2020-02-28
[86] 2018-10-22 (PCT/US2018/056824)
[87] (WO2019/083866)
[30] US (62/575,803) 2017-10-23

[21] **3,074,518**
[13] A1

[51] **Int.Cl. A01D 34/67 (2006.01) A01D 34/68 (2006.01)**
[25] EN
[54] **DROP HANDLE MOWER**
[54] **TONDEUSE A POIGNEE ABAISSANTE**
[72] LEGAN, JEFFERY, US
[72] DILGARD, TIMOTHY, US
[72] KUCERA, JEFFREY, US
[71] MTD PRODUCTS INC, US
[85] 2020-02-28
[86] 2018-11-05 (PCT/US2018/059134)
[87] (WO2019/090197)
[30] US (62/581,468) 2017-11-03

[21] **3,074,521**
[13] A1

[51] **Int.Cl. C01F 11/30 (2006.01) C01D 3/26 (2006.01) C05D 1/02 (2006.01) C05D 3/00 (2006.01) C05G 3/00 (2020.01)**
[25] EN
[54] **PROCESS FOR THE MANUFACTURE OF POTASSIUM CHLORIDE GRANULATE USING ALKALI METAL CARBONATE AND METAPHOSPHATES**
[54] **PROCEDE DE PRODUCTION DE GRANULES DE CHLORURE DE POTASSIUM**
[72] BAUCKE, GUIDO, DE
[72] DIETRICH, ARMIN, DE
[72] DRESSEL, STEFAN, DE
[72] KOPF, SEBASTIAN, DE
[72] MEISSNER, PAUL, DE
[72] WALCZYK, WOLFGANG, DE
[72] WALDMANN, LUDGER, DE
[71] K+S AKTIENGESELLSCHAFT, DE
[85] 2020-03-02
[86] 2017-08-22 (PCT/DE2017/000257)
[87] (WO2018/041285)
[30] DE (10 2016 010 584.4) 2016-09-02

[21] **3,074,522**
[13] A1

[51] **Int.Cl. H01B 7/295 (2006.01) H01B 11/18 (2006.01)**
[25] EN
[54] **FIRE RATED RADIO FREQUENCY CABLE**
[54] **CABLE RADIOFREQUENCE RESISTANT AU FEU**
[72] ELSAADANI, ASAAD, US
[72] JOSHI, MIHIRRAJ, US
[72] CACOPARDO, JOEL, US
[72] MAHLANDT, ERHARD, DE
[72] MCKEON, THOMAS, US
[72] CHONG, YIN-SHING, US
[71] NOKIA SHANGHAI BELL CO., LTD., CN
[85] 2020-03-02
[86] 2018-09-07 (PCT/CN2018/104657)
[87] (WO2019/047929)
[30] US (62/556,296) 2017-09-08

Demandes PCT entrant en phase nationale

[21] **3,074,523**
[13] A1

[51] **Int.Cl. C01D 3/04 (2006.01) C05G 5/12 (2020.01) C01D 3/26 (2006.01) C05D 1/02 (2006.01) C05G 3/00 (2020.01)**

[25] EN

[54] **PROCEDURE FOR THE MANUFACTURE OF POTASSIUM CHLORIDE GRANULATE USING AN ALKALI METAL CARBONATE AND MONO-, PYRO-, OR LINEAR POLYPHOSPHATES**

[54] **PROCEDE DE PRODUCTION DE GRANULES DE CHLORURE DE POTASSIUM**

[72] BAUCKE, GUIDO, DE
[72] DIETRICH, ARMIN, DE
[72] DRESSEL, STEFAN, DE
[72] KOPF, SEBASTIAN, DE
[72] MEISSNER, PAUL, DE
[72] WALCZYK, WOLFGANG, DE
[72] WALDMANN, LUDGER, DE
[71] K+S AKTIENGESELLSCHAFT, DE
[85] 2020-03-02
[86] 2017-08-22 (PCT/DE2017/000258)
[87] (WO2018/041286)
[30] DE (10 2016 010 585.2) 2016-09-02

[21] **3,074,524**
[13] A1

[51] **Int.Cl. C07K 16/30 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C12N 15/13 (2006.01)**

[25] EN

[54] **NOVEL ANTI-CD19 ANTIBODIES**

[54] **NOUVEAUX ANTICORPS ANTI-CD19**

[72] LI, JING, CN
[72] LIU, JIEYING, CN
[71] WUXI BIOLOGICS IRELAND LIMITED, IE
[85] 2020-03-02
[86] 2018-09-20 (PCT/CN2018/106619)
[87] (WO2019/057100)
[30] CN (PCT/CN2017/102631) 2017-09-21

[21] **3,074,525**
[13] A1

[51] **Int.Cl. A61C 5/40 (2017.01)**

[25] EN

[54] **METHOD AND ARRANGEMENT FOR CLEANING OF A CANAL**

[54] **PROCEDE ET AGENCEMENT POUR LE NETTOYAGE D'UN CANAL**

[72] ERTL, THOMAS, DE
[72] DIEBOLDER, ROLF, DE
[71] DENTSPLY SIRONA INC., US
[71] DEGUDENT GMBH, DE
[85] 2020-03-02
[86] 2017-09-25 (PCT/EP2017/074270)
[87] (WO2019/057316)

[21] **3,074,526**
[13] A1

[51] **Int.Cl. C07K 19/00 (2006.01) A61K 38/17 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C12N 5/10 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01)**

[25] EN

[54] **CHIMERIC ANTIGEN RECEPTOR (CAR) BINDING TO BCMA AND APPLICATION THEREOF**

[54] **RECEPTEUR ANTIGENIQUE CHIMERIQUE (CAR) SE LIANT A BCMA ET SES APPLICATIONS**

[72] ZHOU, JIANFENG, CN
[72] LIU, JUNJIAN, CN
[72] HU, GUANG, CN
[72] YANG, YONGKUN, CN
[72] MENG, GUANGRONG, CN
[72] GAO, WENJING, CN
[72] WANG, YUYU, CN
[72] NIU, PANPAN, CN
[71] NANJING IASO BIOTHERAPEUTICS CO., LTD., CN
[71] INNOVENT BIOLOGICS (SUZHOU) CO., LTD., CN
[85] 2020-03-02
[86] 2019-01-31 (PCT/CN2019/074212)
[87] (WO2019/149249)
[30] CN (201810100549.6) 2018-02-01
[30] CN (201811228154.0) 2018-10-19

[21] **3,074,527**
[13] A1

[51] **Int.Cl. B02C 13/06 (2006.01) B02C 13/26 (2006.01) B02C 13/28 (2006.01)**

[25] EN

[54] **BLOW BAR**

[54] **BARRE DE BATTAGE**

[72] HOOGENDOORN, FREDERIK, BE
[71] KEESTRACK N.V., BE
[85] 2020-03-02
[86] 2017-12-08 (PCT/EP2017/082015)
[87] (WO2019/101351)
[30] DE (20 2017 107 107.3) 2017-11-23

[21] **3,074,529**
[13] A1

[51] **Int.Cl. C07D 217/26 (2006.01) A61K 31/47 (2006.01) A61P 13/12 (2006.01)**

[25] EN

[54] **CO-CRYSTAL OF AN ORALLY AVAILABLE HIF PROLYL HYDROXYLASE INHIBITOR**

[54] **CO-CRISTAL D'UN INHIBITEUR DE HIF PROLYL HYDROXYLASE DISPONIBLE PAR VOIE ORALE**

[72] LENGAUER, HANNES, AT
[72] PICHLER, ARTHUR, AT
[72] MARGREITER, RENATE, AT
[72] GELBRICH, THOMAS, AT
[71] SANDOZ AG, CH
[85] 2020-03-02
[86] 2018-07-11 (PCT/EP2018/068754)
[87] (WO2019/042641)
[30] EP (17189195.5) 2017-09-04
[30] EP (18165661.2) 2018-04-04

PCT Applications Entering the National Phase

[21] **3,074,533**
[13] A1

[51] **Int.Cl. A63G 7/00 (2006.01) B60R 22/48 (2006.01)**
[25] EN
[54] **RIDER HOLDER AND VEHICLE HAVING AT LEAST ONE SUCH RIDER HOLDER FOR AN AMUSEMENT RIDE, METHOD FOR OPERATING A VEHICLE, AND AMUSEMENT RIDE HAVING AT LEAST ONE SUCH VEHICLE**
[54] **ACCUEIL DE PASSAGER ET VEHICULE COMPORTANT AU MOINS UN ACCUEIL DE PASSAGER POUR MANEGER, PROCEDE POUR FAIRE FONCTIONNER UN VEHICULE ET MANEGER EQUIPE D'AU MOINS UN TEL VEHICULE**
[72] BECHERER, MARKUS, DE
[72] SCHRADE, STEPHAN, DE
[71] MACK RIDES GMBH & CO. KG, DE
[85] 2020-03-02
[86] 2018-08-14 (PCT/EP2018/072001)
[87] (WO2019/048194)
[30] DE (10 2017 120 645.0) 2017-09-07

[21] **3,074,536**
[13] A1

[51] **Int.Cl. A61L 27/18 (2006.01) A61L 27/34 (2006.01) A61L 27/36 (2006.01) A61L 27/38 (2006.01) A61L 27/50 (2006.01)**
[25] EN
[54] **TISSUE-ENGINEERED MEDICAL DEVICE**
[54] **DISPOSITIF MEDICAL OBTENU PAR GENIE TISSULAIRE**
[72] HOERSTRUP, SIMON P., CH
[72] EMMERT, MAXIMILIAN Y., CH
[72] BAAIJENS, FRANK, NL
[72] DRIESSEN-MOL, ANITA, NL
[71] UNIVERSITAT ZURICH, CH
[85] 2020-03-02
[86] 2018-08-28 (PCT/EP2018/073076)
[87] (WO2019/042961)
[30] EP (17189221.9) 2017-09-04

[21] **3,074,540**
[13] A1

[51] **Int.Cl. C11B 1/02 (2006.01) C11B 1/04 (2006.01) C11B 1/10 (2006.01)**
[25] EN
[54] **METHOD OF SEPARATING LIPIDS FROM A LYSED LIPIDS CONTAINING BIOMASS**
[54] **PROCEDE DE SEPARATION DE LIPIDES DANS UNE BIOMASSE CONTENANT DES LIPIDES LYSES**
[72] BAHL, MICHAEL, DE
[72] BEISER, MARC, DE
[72] LEBERT, JOCHEN, DE
[72] PFEIFER, HOLGER, DE
[72] RABE, CHRISTIAN, DE
[71] EVONIK OPERATIONS GMBH, DE
[71] DSM IP ASSETS B.V., NL
[85] 2020-03-02
[86] 2018-08-30 (PCT/EP2018/073323)
[87] (WO2019/048327)
[30] US (62/554,359) 2017-09-05
[30] EP (17196348.1) 2017-10-13

[21] **3,074,556**
[13] A1

[51] **Int.Cl. H05H 1/36 (2006.01) H05H 1/40 (2006.01) H05H 1/48 (2006.01) H05H 1/50 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GENERATING AND CONTAINING A PLASMA**
[54] **SYSTEME ET PROCEDE DE PRODUCTION ET DE RETENUE D'UN PLASMA**
[72] HUNT, JACK A., US
[71] PLASSEIN TECHNOLOGIES LTD. LLC, US
[85] 2020-03-02
[86] 2017-08-29 (PCT/US2017/049178)
[87] (WO2018/044924)
[30] US (62/380,935) 2016-08-29
[30] US (62/551,474) 2017-08-29

[21] **3,074,557**
[13] A1

[51] **Int.Cl. G06N 99/00 (2019.01)**
[25] EN
[54] **QUANTUM CIRCUITS WITH REDUCED T GATE COUNT**
[54] **CIRCUITS QUANTIQUES AYANT UN NOMBRE DE PORTES T REDUIT**
[72] GIDNEY, CRAIG, US
[71] GOOGLE LLC, US
[85] 2020-03-02
[86] 2017-12-20 (PCT/US2017/067577)
[87] (WO2019/050555)
[30] US (62/556,163) 2017-09-08

[21] **3,074,558**
[13] A1

[51] **Int.Cl. A01G 9/14 (2006.01) A01G 31/04 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR TRACKING SEEDS IN A GROW POD**
[54] **PROCEDE ET SYSTEME DE SUIVI DE GRAINES DANS UN MODULE DE CULTURE**
[72] MILLAR, GARY BRET, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2020-03-02
[86] 2018-05-22 (PCT/US2018/033786)
[87] (WO2018/231439)
[30] US (62/519,320) 2017-06-14
[30] US (62/519,660) 2017-06-14
[30] US (15/983,799) 2018-05-17

Demandes PCT entrant en phase nationale

[21] **3,074,560**
[13] A1

[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **TECHNIQUES AND APPARATUS FOR AUTONOMOUS RESOURCE SELECTION FOR VEHICLE-TO-EVERYTHING (V2X) TRANSMISSIONS**
[54] **TECHNIQUES ET APPAREILS DE SELECTION DE RESSOURCES AUTONOME POUR TRANSMISSIONS DE VEHICULE VERS TOUT (V2X)**
[72] SANTHANAM, ARVIND, US
[72] HOOVER, SCOTT, US
[72] MU, YUNSONG, US
[72] WANG, YUANBO, US
[72] XIAO, GANG, US
[72] LIU, HAIQIN, US
[72] RAO, SUBRAMANYA, US
[72] TANI, TAOUFIK, US
[72] LU, FENG, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-03-02
[86] 2018-07-26 (PCT/US2018/043924)
[87] (WO2019/070332)
[30] US (62/567,045) 2017-10-02
[30] US (15/850,539) 2017-12-21

[21] **3,074,561**
[13] A1

[51] **Int.Cl. A01N 25/04 (2006.01) A01N 25/22 (2006.01) A01N 43/90 (2006.01) A01N 47/36 (2006.01)**
[25] EN
[54] **HERBICIDAL COMPOSITION AND METHOD**
[54] **COMPOSITION HERBICIDE ET PROCEDE**
[72] ZHANG, HONG, US
[72] HAINES, ROBBIE, GB
[72] FLOOD, CHARLIE JAMES, GB
[72] LABATUT, PASCALE, FR
[72] SEPULCHRE DE CONDE, CHRISTOPHE, FR
[72] SLOAN, JAMES, GB
[72] GROOME, JOHN MARTIN, GB
[72] FILLON, CHRISTOPHE, FR
[72] BRAMAUD DU BOUCHERON, ALIX, FR
[71] ARYSTA LIFESCIENCE INC., US
[85] 2020-03-02
[86] 2018-08-10 (PCT/US2018/046259)
[87] (WO2019/032990)
[30] US (62/544,409) 2017-08-11

[21] **3,074,562**
[13] A1

[51] **Int.Cl. E21B 43/117 (2006.01) E21B 43/1185 (2006.01)**
[25] EN
[54] **SYSTEM FOR DEGRADING STRUCTURE USING MECHANICAL IMPACT AND METHOD**
[54] **SYSTEME DE DEGRADATION DE STRUCTURE AU MOYEN D'UN IMPACT MECANIQUE ET PROCEDE**
[72] XU, YINGQING, US
[72] ZHANG, ZHIHUI, US
[72] DOANE, JAMES, US
[72] XU, ZHIYUE, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2020-03-02
[86] 2018-08-21 (PCT/US2018/047315)
[87] (WO2019/050674)
[30] US (15/699,216) 2017-09-08

[21] **3,074,563**
[13] A1

[51] **Int.Cl. A61K 47/12 (2006.01) A61K 9/20 (2006.01) A61K 31/137 (2006.01)**
[25] EN
[54] **SUBLINGUAL EPINEPHRINE TABLETS**
[54] **COMPRIMES D'EPINEPHRINE SUBLINGUAUX**
[72] HOWARD, G. LYNN, US
[72] FARINA, NICHOLAS J., US
[72] WALTERS, EDWARD J., US
[72] HOWARD, CHRISTOPHER, US
[71] PHASE PHARMACEUTICALS LLC, US
[85] 2020-03-02
[86] 2018-08-28 (PCT/US2018/048319)
[87] (WO2019/050712)
[30] US (62/554,979) 2017-09-06

[21] **3,074,564**
[13] A1

[51] **Int.Cl. A61M 39/06 (2006.01)**
[25] EN
[54] **HEMOSTASIS VALVES AND METHODS OF USE**
[54] **SOUPAPES HEMOSTATIQUES ET METHODES D'UTILISATION**
[72] MERRITT, BENJAMIN E., US
[72] THRESS, JOHN C., US
[72] LUBOCK, PAUL, US
[71] INARI MEDICAL, INC., US
[85] 2020-03-02
[86] 2018-08-30 (PCT/US2018/048786)
[87] (WO2019/050765)
[30] US (62/554,931) 2017-09-06

[21] **3,074,565**
[13] A1

[51] **Int.Cl. C07D 233/64 (2006.01) A61K 39/395 (2006.01) A61K 47/18 (2017.01) A61K 47/22 (2006.01) C07C 235/12 (2006.01) C07C 279/14 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR REDUCING THE VISCOSITY OF BIOLOGICAL FORMULATIONS**
[54] **COMPOSES POUR LA REDUCTION DE LA VISCOSITE DE FORMULATIONS BIOLOGIQUES**
[72] CHU, LIN, US
[72] TOUSSAINT, NATHALIE Y., US
[72] XIAO, DONG, US
[72] VACHAL, PETR, US
[72] KASHI, RAMESH S., US
[72] BAK, ANNETTE, SE
[71] MERCK SHARP & DOHME CORP., US
[85] 2020-03-02
[86] 2018-08-31 (PCT/US2018/048995)
[87] (WO2019/050780)
[30] US (62/554,134) 2017-09-05

PCT Applications Entering the National Phase

[21] **3,074,566**
[13] A1

[51] **Int.Cl. H04B 10/079 (2013.01) H04B 10/572 (2013.01) H04J 14/02 (2006.01)**

[25] EN

[54] **TRANSMISSIVE METASURFACE LENS INTEGRATION**

[54] **INTEGRATION DE LENTILLE DE METASURFACE TRANSMISSIVE**

[72] RILEY, GILBERT, N. JR., US

[72] DEVLIN, ROBERT, US

[72] ERLICH, ADAM, US

[72] LATAWIEC, PAWEL, US

[72] GRAFF, JOHN, US

[71] METALENZ, INC., US

[85] 2020-03-02

[86] 2018-08-31 (PCT/US2018/049276)

[87] (WO2019/046827)

[30] US (62/552,455) 2017-08-31

[21] **3,074,567**
[13] A1

[51] **Int.Cl. A61N 5/10 (2006.01)**

[25] EN

[54] **METHODS, SYSTEMS, AND COMPOSITIONS FOR MAINTAINING FUNCTIONING DRAINAGE BLEBS ASSOCIATED WITH FOREIGN BODIES**

[54] **PROCEDES, SYSTEMES ET COMPOSITIONS PERMETTANT DE MAINTENIR LE FONCTIONNEMENT DE FISTULES DE DRAINAGE ASSOCIEES A DES CORPS ETRANGERS**

[72] MARSTELLER, LAURENCE J., US

[71] RADIANCE THERAPEUTICS, INC., US

[85] 2020-03-02

[86] 2018-09-04 (PCT/US2018/049400)

[87] (WO2019/050863)

[30] GB (1714392.6) 2017-09-07

[21] **3,074,568**
[13] A1

[51] **Int.Cl. A61G 13/04 (2006.01) A61G 13/06 (2006.01)**

[25] EN

[54] **SURGICAL TABLES**

[54] **TABLES D'OPERATION**

[72] CLAYTON, MATTHEW, GB

[72] TREWIN, JOHN, GB

[71] ESCHMANN HOLDINGS LIMITED, GB

[85] 2020-03-02

[86] 2018-08-31 (PCT/EP2018/073456)

[87] (WO2019/043150)

[30] GB (1714138.3) 2017-09-04

[30] GB (1714131.8) 2017-09-04

[30] GB (1714135.9) 2017-09-04

[30] GB (1714137.5) 2017-09-04

[30] GB (1714140.9) 2017-09-04

[30] GB (1714143.3) 2017-09-04

[30] GB (1801096.7) 2018-01-23

[21] **3,074,569**
[13] A1

[51] **Int.Cl. A61G 13/04 (2006.01) A61G 13/06 (2006.01)**

[25] EN

[54] **SURGICAL TABLES**

[54] **TABLES CHIRURGICALES**

[72] CLAYTON, MATT, GB

[72] PORTLOCK, MARK, GB

[72] BEYER, NIGEL, GB

[71] ESCHMANN HOLDINGS LIMITED, GB

[85] 2020-03-02

[86] 2018-08-31 (PCT/EP2018/073459)

[87] (WO2019/043152)

[30] GB (1714143.3) 2017-09-04

[21] **3,074,570**
[13] A1

[51] **Int.Cl. G08G 1/16 (2006.01) G08G 1/09 (2006.01)**

[25] EN

[54] **SAFE DRIVING ASSISTANCE DEVICE**

[54] **DISPOSITIF D'AIDE A LA CONDUITE PRUDENTE**

[72] KATOU, SEIYA, JP

[72] WATANABE, HIROSHI, JP

[72] ITO, TAKESHI, JP

[71] HITACHI CONSTRUCTION MACHINERY CO., LTD., JP

[85] 2020-02-26

[86] 2018-08-28 (PCT/JP2018/031790)

[87] (WO2019/049733)

[30] JP (2017-172461) 2017-09-07

[21] **3,074,571**
[13] A1

[51] **Int.Cl. A61G 13/04 (2006.01) A61G 13/06 (2006.01)**

[25] EN

[54] **SURGICAL TABLES**

[54] **TABLES CHIRURGICALES**

[72] CLAYTON, MATT, GB

[71] ESCHMANN HOLDINGS LIMITED, GB

[85] 2020-03-02

[86] 2018-08-31 (PCT/EP2018/073460)

[87] (WO2019/043153)

[30] GB (1714131.8) 2017-09-04

[21] **3,074,572**
[13] A1

[51] **Int.Cl. A61G 13/04 (2006.01) A61G 13/06 (2006.01)**

[25] EN

[54] **SURGICAL TABLES**

[54] **TABLES CHIRURGICALES**

[72] CLAYTON, MATT, GB

[71] ESCHMANN HOLDINGS LIMITED, GB

[85] 2020-03-02

[86] 2018-08-31 (PCT/EP2018/073462)

[87] (WO2019/043155)

[30] GB (1714138.3) 2017-09-04

[21] **3,074,573**
[13] A1

[51] **Int.Cl. A47J 31/44 (2006.01)**

[25] EN

[54] **SYSTEM FOR AERATING A LIQUID FOOD PRODUCT, AND A METHOD FOR PREPARING A LIQUID FOOD PRODUCT**

[54] **SYSTEME D'AERATION D'UN PRODUIT ALIMENTAIRE LIQUIDE, ET PROCEDE DE PREPARATION D'UN PRODUIT ALIMENTAIRE LIQUIDE**

[72] VAN DRUTEN, WIEBE NICOLAAS, NL

[72] BOTMAN, MAARTEN JOANNES, NL

[71] FRIESLANDCAMPINA NEDERLAND B.V., NL

[85] 2020-03-02

[86] 2018-09-14 (PCT/EP2018/074931)

[87] (WO2019/053210)

[30] EP (17191326.2) 2017-09-15

Demandes PCT entrant en phase nationale

[21] **3,074,574**
[13] A1

[51] **Int.Cl. A61G 13/04 (2006.01) A61G 13/06 (2006.01)**
[25] EN
[54] **SURGICAL TABLES**
[54] **TABLES CHIRURGICALES**
[72] CLAYTON, MATT, GB
[71] ESCHMANN HOLDINGS LIMITED, GB
[85] 2020-03-02
[86] 2018-08-31 (PCT/EP2018/073488)
[87] (WO2019/043165)
[30] GB (1714137.5) 2017-09-04

[21] **3,074,575**
[13] A1

[51] **Int.Cl. A61G 13/04 (2006.01) A61G 13/06 (2006.01)**
[25] EN
[54] **SURGICAL TABLES**
[54] **TABLES CHIRURGICALES**
[72] CLAYTON, MATT, GB
[72] PORTLOCK, MARK, GB
[71] ESCHMANN HOLDINGS LIMITED, GB
[85] 2020-03-02
[86] 2018-08-31 (PCT/EP2018/073500)
[87] (WO2019/043173)
[30] GB (1714135.9) 2017-09-04

[21] **3,074,576**
[13] A1

[51] **Int.Cl. H02J 11/00 (2006.01) H02J 3/38 (2006.01)**
[25] EN
[54] **METHOD FOR SUPPLYING WIND ENERGY PLANT COMPONENTS WITH ENERGY AND ENERGY SUPPLY DEVICE AND WIND ENERGY PLANT USING THE SAME**
[54] **PROCEDE POUR ALIMENTER EN ENERGIE DES COMPOSANTS D'EOLIENNE, DISPOSITIF D'ALIMENTATION EN ENERGIE ET EOLIENNE COMPRENANT CE DISPOSITIF**
[72] BUSKER, KAI, DE
[72] HELLER, STEFAN, DE
[72] GERTJEGERDES, STEFAN, DE
[72] MACKENSEN, INGO, DE
[72] WILHELM, JURI, DE
[71] WOBLEN PROPERTIES GMBH, DE
[85] 2020-03-02
[86] 2018-10-01 (PCT/EP2018/076556)
[87] (WO2019/063835)
[30] DE (10 2017 122 695.8) 2017-09-29

[21] **3,074,577**
[13] A1

[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/27 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **TRANSDERMAL THERAPEUTIC SYSTEM FOR THE TRANSDERMAL ADMINISTRATION OF RIVASTIGMINE**
[54] **SYSTEME THERAPEUTIQUE TRANSDERMIQUE POUR L'ADMINISTRATION DE RIVASTIGMINE**
[72] EMGENBROICH, MARCO, DE
[72] REUM, NICO, DE
[72] VERSTRAELEN, JESSICA, DE
[72] KAUFMANN, REGINE, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2020-03-02
[86] 2018-09-04 (PCT/EP2018/073736)
[87] (WO2019/048425)
[30] EP (17189352.2) 2017-09-05

[21] **3,074,578**
[13] A1

[51] **Int.Cl. B29C 70/22 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR PRODUCING A CARRIER PART HAVING A PLURALITY OF FIBRE BUNDLES**
[54] **DISPOSITIF ET PROCEDE DE FABRICATION D'UN ELEMENT DE SUPPORT PRESENTANT PLUSIEURS FAISCEAUX DE FIBRES**
[72] BRUSKE, JOHANNES, DE
[72] WINTERHOLER, DANIEL, DE
[71] GROZ-BECKERT KOMMANDITGESELLSCHAFT, DE
[85] 2020-03-02
[86] 2018-10-02 (PCT/EP2018/076810)
[87] (WO2019/072641)
[30] EP (17195790.5) 2017-10-10

[21] **3,074,579**
[13] A1

[51] **Int.Cl. B02C 18/00 (2006.01) B02C 18/14 (2006.01) B02C 18/16 (2006.01) B02C 18/18 (2006.01)**
[25] EN
[54] **A COMMUNION APPARATUS AND A METHOD FOR PERFORMING SERVICE OF SUCH AN APPARATUS**
[54] **APPAREIL DE BROYAGE ET PROCEDE POUR REALISER L'ENTRETIEN D'UN TEL APPAREIL**
[72] KJAERGAARD, JOHANNES, DK
[72] LANGELUND JAKOBSEN, TOMMY, DK
[71] METSO DENMARK A/S, DK
[85] 2020-03-02
[86] 2018-09-06 (PCT/EP2018/073974)
[87] (WO2019/048530)
[30] EP (17189856.2) 2017-09-07

[21] **3,074,580**
[13] A1

[51] **Int.Cl. G16H 40/63 (2018.01)**
[25] EN
[54] **NETWORK DISTRIBUTED SYSTEM FOR PEOPLE PAIRING AND EXECUTION OF TRAINING OR REHABILITATION SESSION**
[54] **SYSTEME DISTRIBUE EN RESEAU POUR L'ASSOCIATION DE PERSONNES ET L'EXECUTION D'UNE SESSION D'ENTRAINEMENT OU DE REEDUCATION**
[72] FEDELI, FRANCESCA, IT
[72] D'ANGELO, ROBERTO, IT
[71] FIGHTTHESTROKE FOUNDATION, IT
[85] 2020-03-02
[86] 2018-09-12 (PCT/IB2018/056965)
[87] (WO2019/053610)
[30] IT (102017000102346) 2017-09-13

PCT Applications Entering the National Phase

[21] **3,074,581**
[13] A1

[51] **Int.Cl. A61K 39/145 (2006.01) C07K 14/11 (2006.01) C12N 15/44 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING INFLUENZA HA SPLIT VACCINE**
[54] **PROCEDE DE PRODUCTION D'UN VACCIN FRAGMENTE CONTRE L'HA DU VIRUS INFLUENZA**
[72] TAKAHASHI, YOSHIMASA, JP
[72] ADACHI, YU, JP
[72] ATO, MANABU, JP
[71] JAPAN HEALTH SCIENCES FOUNDATION, JP
[85] 2020-03-02
[86] 2018-09-03 (PCT/JP2018/032537)
[87] (WO2019/045090)
[30] JP (2017-169230) 2017-09-04
[30] JP (2018-137952) 2018-07-23

[21] **3,074,582**
[13] A1

[51] **Int.Cl. C12N 5/0775 (2010.01)**
[25] EN
[54] **STEM CELLS DERIVED FROM NEONATAL PIG AND METHOD FOR PRODUCING SAME**
[54] **CELLULES SOUCHES EMANANT DE JEUNES PORCS ET LEUR PROCEDE DE PREPARATION**
[72] NISHIMURA, MASUHIRO, JP
[72] FUJITA, YASUTAKA, JP
[72] WATANABE, NATSUKI, JP
[72] NGUYEN, LUAN, JP
[72] MATSUMOTO, SHINICHI, JP
[71] OTSUKA PHARMACEUTICAL FACTORY, INC., JP
[85] 2020-03-02
[86] 2018-09-06 (PCT/JP2018/033110)
[87] (WO2019/049957)
[30] US (62/555,913) 2017-09-08

[21] **3,074,583**
[13] A1

[51] **Int.Cl. A62B 35/00 (2006.01) E04G 21/32 (2006.01)**
[25] EN
[54] **FALL ARRESTING DEVICE CONNECTOR**
[54] **RACCORD POUR DISPOSITIF D'ARRET DE CHUTE**
[72] SHAVER, STEPHEN D., US
[72] PERNER, JUDD J., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2020-03-02
[86] 2018-09-12 (PCT/IB2018/056986)
[87] (WO2019/058220)
[30] US (62/561,855) 2017-09-22

[21] **3,074,584**
[13] A1

[51] **Int.Cl. E04F 15/04 (2006.01) B32B 19/00 (2006.01) E04B 1/00 (2006.01) E04C 2/00 (2006.01) E04F 13/08 (2006.01) E04F 13/10 (2006.01) E04F 13/16 (2006.01) E04F 15/02 (2006.01) E04F 15/10 (2006.01)**
[25] EN
[54] **PANEL**
[54] **PANNEAU**
[72] DE RICK, JAN, BE
[71] FLOORING INDUSTRIES LIMITED, SARL, LU
[85] 2020-03-02
[86] 2018-09-14 (PCT/IB2018/057059)
[87] (WO2019/064113)
[30] US (62/564,499) 2017-09-28

[21] **3,074,585**
[13] A1

[51] **Int.Cl. B64C 39/02 (2006.01) B64C 25/52 (2006.01) B64C 27/08 (2006.01)**
[25] EN
[54] **UNMANNED AERIAL VEHICLE FOR POSITIONING AGAINST A WALL**
[54] **VEHICULE AERIEN SANS PILOTE DESTINE A ETRE POSITIONNE CONTRE UNE PAROI**
[72] ANDEWEG, SEM, NL
[71] TERRA INSPECTIONEERING B.V., NL
[85] 2020-03-02
[86] 2018-09-06 (PCT/NL2018/050575)
[87] (WO2019/050401)
[30] NL (2019523) 2017-09-11

[21] **3,074,586**
[13] A1

[51] **Int.Cl. H02K 7/102 (2006.01)**
[25] EN
[54] **ELECTRIC MOTOR WITH INTEGRATED BRAKE**
[54] **MOTEUR ELECTRIQUE A FREIN INTEGRE**
[72] KLASSEN, JAMES, CA
[71] GENESIS ROBOTICS AND MOTION TECHNOLOGIES CANADA, ULC, CA
[85] 2020-03-02
[86] 2018-11-21 (PCT/IB2018/059187)
[87] (WO2019/102378)
[30] US (62/589,548) 2017-11-21

[21] **3,074,587**
[13] A1

[51] **Int.Cl. C12N 15/86 (2006.01) A61K 38/51 (2006.01) A61P 25/00 (2006.01) A61P 25/04 (2006.01) C12N 7/01 (2006.01) C12N 9/88 (2006.01) C12N 15/60 (2006.01) C12N 15/864 (2006.01)**
[25] EN
[54] **METHOD AND COMPOSITION FOR TREATING NEUROPATHIC PAIN**
[54] **METHODE ET COMPOSITION POUR TRAITER LA DOULEUR NEUROPATHIQUE**
[72] MARSALA, MARTIN, US
[72] MIYANOHARA, ATSUSHI, US
[72] TADOKORO, TAKAHIRO, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2020-03-02
[86] 2018-09-07 (PCT/US2018/049914)
[87] (WO2019/051202)
[30] US (62/556,088) 2017-09-08

Demandes PCT entrant en phase nationale

[21] **3,074,588**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01) C12N 9/14 (2006.01)**

[25] EN

[54] **RESTORATION OF T CELL ACTIVITY VIA THE CD39/CD73 AXIS**

[54] **RESTAURATION DE L'ACTIVITE DE LYMPHOCYTES T PAR L'AXE CD39/CD73**

[72] CHANTEUX, STEPHANIE, FR
[72] GOURDIN, NICOLAS, FR
[72] PATUREL, CARINE, FR
[72] PERROT, IVAN, FR
[72] ROSSI, BENJAMIN, FR
[71] INNATE PHARMA, FR
[85] 2020-03-02
[86] 2018-10-05 (PCT/EP2018/077217)
[87] (WO2019/068907)
[30] US (62/568,812) 2017-10-06
[30] US (62/686,143) 2018-06-18

[21] **3,074,590**
[13] A1

[51] **Int.Cl. B32B 5/16 (2006.01) B41M 3/14 (2006.01)**

[25] EN

[54] **POROUS METAL OXIDE MICROSPHERES**

[54] **MICROSPHERES D'OXYDE METALLIQUE POREUSES**

[72] DARJI, RUPA HIREMATH, US
[72] NEWHOUSE, JAMES PAUL, US
[72] MANOHARAN, VINOCHAN, US
[72] HWANG, VICTORIA, US
[72] STEPHENSON, ANNA, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[71] BASF SE, DE
[85] 2020-03-02
[86] 2018-09-10 (PCT/US2018/050168)
[87] (WO2019/051353)
[30] US (62/556,792) 2017-09-11

[21] **3,074,591**
[13] A1

[51] **Int.Cl. A24B 15/18 (2006.01)**

[25] EN

[54] **TOBACCO MATERIAL**

[54] **MATERIAU A BASE DE TABAC**

[72] NAGASE, RYOSUKE, JP
[72] HANAWA, KEIICHI, JP
[71] JAPAN TOBACCO INC., JP
[85] 2020-03-02
[86] 2017-09-05 (PCT/JP2017/031947)
[87] (WO2019/049207)

[21] **3,074,592**
[13] A1

[51] **Int.Cl. B29B 9/00 (2006.01) B32B 5/16 (2006.01) B41M 3/14 (2006.01)**

[25] EN

[54] **MICROSPHERES COMPRISING POLYDISPERSE POLYMER NANOSPHERES AND POROUS METAL OXIDE MICROSPHERES**

[54] **MICROSPHERES COMPRENANT DES NANOSPHERES POLYMERES POLYDISPERSEES ET MICROSPHERES D'OXYDE METALLIQUE POREUSES**

[72] DARJI, RUPA HIREMATH, US
[72] NEWHOUSE, JAMES, US
[72] MANOHARAN, VINOCHAN N., US
[72] HWANG, VICTORIA, US
[72] STEPHENSON, ANNA B., US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[71] BASF SE, DE
[85] 2020-03-02
[86] 2018-09-10 (PCT/US2018/050175)
[87] (WO2019/051357)
[30] US (62/556,798) 2017-09-11

[21] **3,074,593**
[13] A1

[51] **Int.Cl. C07K 14/00 (2006.01) A61K 47/50 (2017.01) A61K 38/00 (2006.01) C07K 14/705 (2006.01)**

[25] EN

[54] **PROTEIN DELIVERY TO MEMBRANES**

[54] **ADMINISTRATION DE PROTEINES A DES MEMBRANES**

[72] PERRIMAN, ADAM WILLIS, GB
[72] DELLER, ROBERT CHRISTOPHER, GB
[72] XIAO, WENJIN, GB
[72] GREEN, THOMAS IAIN PHILLIP, GB
[72] CARTER, BENJAMIN MICHAEL, GB
[72] DAY, GRAHAM JOHN, GB
[72] DELINT, ROSALIA CUAHTECONTZI, GB
[71] THE UNIVERSITY OF BRISTOL, GB
[85] 2020-03-02
[86] 2018-09-07 (PCT/GB2018/052534)
[87] (WO2019/048871)
[30] GB (1714485.8) 2017-09-08
[30] GB (1714566.5) 2017-09-11

[21] **3,074,594**
[13] A1

[51] **Int.Cl. B66B 17/26 (2006.01) B65G 65/23 (2006.01) E21D 1/03 (2006.01)**

[25] EN

[54] **KIBBLE TIPPING SYSTEM**

[54] **SYSTEME DE DEVERSEMENT DE CUFFAT**

[72] POWELL, BEN WILLIAM, ZA
[72] POWELL, ALFRED ROLAND STANLEY, ZA
[71] POWELL, BEN WILLIAM, ZA
[85] 2020-03-02
[86] 2018-08-29 (PCT/IB2018/056585)
[87] (WO2019/043592)
[30] ZA (2017/05859) 2017-08-29

[21] **3,074,595**
[13] A1

[51] **Int.Cl. A61K 31/138 (2006.01) A61K 9/00 (2006.01)**

[25] EN

[54] **TOPICAL COMPOSITIONS**

[54] **COMPOSITIONS TOPIQUES**

[72] QUAY, STEVEN C., US
[72] KUSHWAHA, AVADHESH S., US
[72] KISAK, EDWARD T., US
[72] NEWSAM, JOHN M., US
[71] ATOSSA THERAPEUTICS, INC., US
[85] 2020-03-02
[86] 2018-09-10 (PCT/US2018/050193)
[87] (WO2019/051368)
[30] US (62/556,920) 2017-09-11

[21] **3,074,596**
[13] A1

[51] **Int.Cl. H04W 72/04 (2009.01) H04W 88/08 (2009.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR ROBUST TIME DIVISION MULTIPLEX PATTERNS**

[54] **SYSTEMES ET PROCEDES DE MOTIFS ROBUSTES DE MULTIPLEXAGE PAR REPARTITION DANS LE TEMPS**

[72] LI, XINCAI, CN
[72] ZHAO, YAJUN, CN
[72] XU, HANQING, CN
[72] YANG, LING, CN
[71] ZTE CORPORATION, CN
[85] 2020-03-03
[86] 2017-09-04 (PCT/CN2017/100411)
[87] (WO2019/041350)

PCT Applications Entering the National Phase

[21] **3,074,597**
[13] A1

[51] **Int.Cl. A61B 17/34 (2006.01) A61M 39/02 (2006.01)**

[25] EN

[54] **RADIALLY EXPANDABLE CANNULA SYSTEM**

[54] **SYSTEME DE CANULE RADIALEMENT EXTENSIBLE**

[72] ATTO, ZAID, CA
[72] CICEK, SERAY, CA
[72] DILBERT, CHEVIS, CA
[72] CAMPBELL, CATHERINE MACKENZIE, US
[72] LADAK, AMAN, CA
[71] XPAN INC., CA
[85] 2020-03-03
[86] 2018-09-05 (PCT/CA2018/051072)
[87] (WO2019/046940)
[30] US (62/554,802) 2017-09-06
[30] CA (2993590) 2018-01-31

[21] **3,074,598**
[13] A1

[51] **Int.Cl. A61N 1/18 (2006.01) A61N 1/36 (2006.01)**

[25] EN

[54] **SKIN REJUVENATION DEVICE AND METHOD**

[54] **DISPOSITIF ET PROCEDE DERAJEUNISSEMENT DE LA PEAU**

[72] CAMPBELL, MARK, US
[72] MURPHY, THOMAS, US
[71] HER TECHNOLOGIES, INC., US
[85] 2020-03-02
[86] 2018-08-30 (PCT/IB2018/056649)
[87] (WO2019/043628)
[30] US (62/553,372) 2017-09-01

[21] **3,074,600**
[13] A1

[51] **Int.Cl. B27K 1/00 (2006.01) B27K 5/00 (2006.01)**

[25] EN

[54] **DELIGNIFIED WOOD MATERIALS, AND METHODS FOR FABRICATING AND USE THEREOF**

[54] **MATERIAUX DE BOIS DELIGNIFIE, ET PROCEDES DE FABRICATION ET D'UTILISATION DESDITS MATERIAUX**

[72] HU, LIANGBING, US
[72] LI, TIAN, US
[72] HE, SHUAIMING, US
[72] SONG, JIANWEI, US
[72] CHEN, CHAOJI, US
[71] UNIVERSITY OF MARYLAND, COLLEGE PARK, US
[85] 2020-03-02
[86] 2018-09-14 (PCT/US2018/051091)
[87] (WO2019/055789)
[30] US (62/559,147) 2017-09-15
[30] US (62/725,810) 2018-08-31

[21] **3,074,601**
[13] A1

[51] **Int.Cl. G01M 3/18 (2006.01)**

[25] EN

[54] **HYDROCARBON LEAK DETECTION SYSTEM AND METHOD FOR PIPELINES**

[54] **SYSTEME ET PROCEDE DE DETECTION DE FUITE D'HYDROCARBURE POUR PIPELINES**

[72] TAILOR, DILIP, CA
[72] WONG, DENNIS, CA
[72] DUNN, RONALD J., CA
[72] KHALILI, NAZANIN, CA
[72] NAGUIB, HANI, CA
[72] BRANDON, MARK PHILLIP, CA
[72] SESHADRI, AKSHAY, US
[72] SHI, HAOTIAN, CA
[72] BENINCA, MIRIAM RAFAELA, CA
[72] ELLIS, JEREMY JOSEPH, CA
[71] SHAWCOR LTD., CA
[85] 2020-03-03
[86] 2018-09-07 (PCT/CA2018/051100)
[87] (WO2019/046961)
[30] US (62/556,784) 2017-09-11

[21] **3,074,602**
[13] A1

[51] **Int.Cl. B23K 9/095 (2006.01) B23K 9/10 (2006.01)**

[25] EN

[54] **EXTERNAL CONNECTOR AND SENSOR UNIT FOR WELDING EQUIPMENT**

[54] **ENSEMBLE RACCORD ET CAPTEUR EXTERNE POUR EQUIPEMENT DE SOUDAGE**

[72] WALTHER, ANDRE, DE
[72] SCHAUDER, VOLKER, DE
[72] BUDAI, PETER, SE
[72] PERSSON, MAGNUS, SE
[71] ESAB AB, SE
[85] 2020-03-02
[86] 2018-09-11 (PCT/IB2018/056941)
[87] (WO2019/058214)
[30] US (62/560,807) 2017-09-20
[30] US (16/050,030) 2018-07-31

[21] **3,074,603**
[13] A1

[51] **Int.Cl. B01D 3/14 (2006.01) C10G 7/00 (2006.01)**

[25] EN

[54] **DUAL-DIVIDING WALL COLUMN WITH MULTIPLE PRODUCTS**

[54] **COLONNE A PAROI DE SEPARATION DOUBLE A PRODUITS MULTIPLES**

[72] PISZCZEK, ROBERT, US
[72] HERGENROTHER, MICHAEL, US
[72] ALBERT, BRIAN D., US
[72] SIMONETTY, JOSE X., US
[72] HEINS, BRIAN W., US
[72] SINGH, VIKRAM, US
[72] WANG, ZHONGCHENG, US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2020-03-02
[86] 2018-09-21 (PCT/US2018/052126)
[87] (WO2019/067314)
[30] US (62/564,505) 2017-09-28

Demandes PCT entrant en phase nationale

[21] **3,074,604**
[13] A1

[51] **Int.Cl. H04W 72/12 (2009.01)**
[25] EN
[54] **INFORMATION TRANSMISSION METHOD AND RELATED PRODUCT**
[54] **PROCEDE DE TRANSMISSION D'INFORMATIONS ET PRODUIT ASSOCIE**
[72] LIN, YANAN, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-03-03
[86] 2017-09-05 (PCT/CN2017/100545)
[87] (WO2019/047019)

[21] **3,074,605**
[13] A1

[51] **Int.Cl. H04W 74/08 (2009.01) H04W 74/00 (2009.01) H04L 5/00 (2006.01)**
[25] EN
[54] **CARRIER-DEPENDENT RANDOM ACCESS CHANNEL (RACH) RESPONSE SEARCH SPACE**
[54] **ESPACE DE RECHERCHE DE REPOSE DE CANAL D'ACCES ALEATOIRE (RACH) DEPENDANT D'UNE PORTEUSE**
[72] LEE, HEECHOON, US
[72] GAAL, PETER, US
[72] SUN, JING, US
[72] ANG, PETER PUI LOK, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-03-02
[86] 2018-10-05 (PCT/US2018/054532)
[87] (WO2019/074780)
[30] US (62/570,050) 2017-10-09
[30] US (16/151,405) 2018-10-04

[21] **3,074,607**
[13] A1

[51] **Int.Cl. F16G 13/20 (2006.01) B01J 8/00 (2006.01)**
[25] FR
[54] **SUPPORT DEVICE FOR A RIGID CHAIN PROVIDED WITH SUPPORT PINS**
[54] **DISPOSITIF DE SUPPORT POUR UNE CHAINE BOUTANTE POURVUE D'ERGOTS DE SUPPORT**
[72] GALASSINI, GIUSEPPE, IT
[72] GASSMANN, NICOLAS, FR
[71] TOTAL RAFFINAGE CHIMIE, FR
[85] 2020-03-02
[86] 2018-09-24 (PCT/EP2018/075814)
[87] (WO2019/063487)
[30] FR (1759089) 2017-09-29

[21] **3,074,608**
[13] A1

[51] **Int.Cl. A61B 5/16 (2006.01) A61B 3/10 (2006.01) A61B 3/113 (2006.01) A61B 5/024 (2006.01) A61B 5/0402 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR EVALUATING COGNITIVE FUNCTION**
[54] **APPAREIL ET PROCEDE D'EVALUATION DE LA FONCTION COGNITIVE**
[72] TINJUST, DAVID, CA
[71] APEXK INC., CA
[85] 2020-03-03
[86] 2018-09-27 (PCT/CA2018/051219)
[87] (WO2019/060995)
[30] US (62/563,699) 2017-09-27

[21] **3,074,609**
[13] A1

[51] **Int.Cl. G06Q 50/28 (2012.01) G06Q 10/08 (2012.01)**
[25] EN
[54] **DATA SYSTEM FOR ORGANISING WORKFLOWS, IN WHICH THE COOPERATION OF HUMAN BEINGS AND MACHINES IS CONTROLLED INTRA-LOGISTICALLY WITH OPTIMUM PROTECTION FOR THE HUMAN BEINGS INVOLVED, AND METHOD FOR INSTALLATION THEREOF .**
[54] **SYSTEME TECHNIQUE DE TRAITEMENT DE DONNEES POUR L'ORGANISATION DE PHASES DE TRAVAIL AVEC LEQUEL LA COOPERATION DE PERSONNES ET DE MACHINES EN CAS D'EFFET OPTIMAL DE PROTECTION DES PERSONNES PARTICIPANTES EST COMMANDEE DE MANIERE INTRALOGISTIQUE ET SON PROCEDE D'INSTALLATION**
[72] MARB, PHILIPP, DE
[72] HERRE, ERWIN, DE
[71] GRENZBACH MASCHINENBAU GMBH, DE
[85] 2020-03-03
[86] 2018-09-12 (PCT/DE2018/000261)
[87] (WO2019/057228)
[30] DE (10 2017 008 866.7) 2017-09-20

PCT Applications Entering the National Phase

[21] **3,074,610**
[13] A1

[51] **Int.Cl. C11D 3/40 (2006.01) C11D 3/42 (2006.01) C11D 11/00 (2006.01)**
[25] EN
[54] **METHODS OF USING LEUCO COLORANTS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS**
[54] **PROCEDES D'UTILISATION DE LEUCO COLORANTS COMME AGENTS D'AZURAGE DANS DES COMPOSITIONS DE SOIN DU LINGE**
[72] MIRACLE, GREGORY SCOT, US
[72] DITULLIO, DANIEL DALE, JR., US
[72] FREUND, WESLEY A., US
[72] QIN, HAIHU, US
[72] DEY, SANJEEV KUMAR, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-03-02
[86] 2018-10-11 (PCT/US2018/055317)
[87] (WO2019/075141)
[30] US (62/571,284) 2017-10-12
[30] US (62/596,126) 2017-12-08

[21] **3,074,611**
[13] A1

[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/437 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SUBSTITUTED IMIDAZOQUINOLINES AS AGONISTS OF TLR7**
[54] **IMIDAZOQUINOLINES SUBSTITUEES UTILISEES EN TANT QU'AGONISTES DE TLR7**
[72] HENRY, CHRISTOPHE, DE
[71] BIONTECH SE, DE
[85] 2020-03-03
[86] 2018-08-31 (PCT/EP2018/073485)
[87] (WO2019/048353)
[30] EP (PCT/EP2017/072353) 2017-09-06

[21] **3,074,612**
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01) C12N 5/0784 (2010.01) A61K 35/15 (2015.01)**
[25] EN
[54] **DENDRITIC CELL POTENCY ASSAY**
[54] **TEST D'ACTIVITE BIOLOGIQUE DE CELLULE DENDRITIQUE**
[72] SCHENDEL, DOLORES, DE
[72] ECKL, JUDITH, DE
[72] GEIGER, CHRISTIANE, DE
[72] ROMER, ISABEL, DE
[71] MEDIGENE IMMUNOTHERAPIES GMBH, DE
[85] 2020-03-03
[86] 2017-09-05 (PCT/EP2017/072254)
[87] (WO2019/048026)

[21] **3,074,613**
[13] A1

[51] **Int.Cl. C11D 3/42 (2006.01) C11D 11/00 (2006.01)**
[25] EN
[54] **LEUCO COLORANTS IN COMBINATION WITH A SECOND WHITENING AGENT AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS**
[54] **COLORANTS LEUCO EN COMBINAISON AVEC UN SECOND AGENT DE BLANCHIMENT EN TANT QU'AGENTS D'AZURAGE DANS DES COMPOSITIONS DE SOIN DU LINGE**
[72] MIRACLE, GREGORY SCOT, US
[72] DEY, SANJEEV KUMAR, US
[72] QIN, HAIHU, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-03-02
[86] 2018-10-11 (PCT/US2018/055320)
[87] (WO2019/075144)
[30] US (62/571,287) 2017-10-12
[30] US (62/596,129) 2017-12-08

[21] **3,074,616**
[13] A1

[51] **Int.Cl. C10G 67/00 (2006.01) C10G 21/00 (2006.01)**
[25] EN
[54] **PROCESS AND SYSTEM FOR UPGRADING LOW-QUALITY OILS**
[54] **PROCEDE DE REFORMAGE ET SYSTEME DE REFORMAGE D'HUILE DE FAIBLE QUALITE**
[72] LONG, JUN, CN
[72] HOU, HUANDI, CN
[72] WANG, ZIJUN, CN
[72] SHEN, HAIPING, CN
[72] DONG, MING, CN
[72] DAI, LISHUN, CN
[72] GONG, JIANHONG, CN
[72] LI, JIGUANG, CN
[72] ZHANG, SHUHONG, CN
[72] WANG, CUIHONG, CN
[72] SHE, YUCHENG, CN
[72] WANG, YUZHANG, CN
[72] TAO, MENG Ying, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] RESEARCH INSTITUTE OF PETROLEUM PROCESSING, SINOPEC, CN
[85] 2020-03-03
[86] 2017-09-11 (PCT/CN2017/000580)
[87] (WO2019/046989)

[21] **3,074,617**
[13] A1

[51] **Int.Cl. C12N 15/82 (2006.01) C12N 15/113 (2010.01) A01H 6/54 (2018.01) A01H 5/00 (2018.01) C12N 5/10 (2006.01) C12N 15/29 (2006.01)**
[25] EN
[54] **PLANT PROMOTER FOR TRANSGENE EXPRESSION**
[54] **PROMOTEUR VEGETAL POUR L'EXPRESSION TRANSGENIQUE**
[72] SIDORENKO, LYUDMILA, US
[72] LARSEN, CORY M., US
[72] ANTHONY, GENY, US
[72] SRIRAM, SHREEDHARAN, US
[72] BUTLER, HOLLY JEAN, US
[71] DOW AGROSCIENCES LLC, US
[85] 2020-03-02
[86] 2018-10-31 (PCT/US2018/058337)
[87] (WO2019/099191)
[30] US (62/587,034) 2017-11-16

Demandes PCT entrant en phase nationale

[21] **3,074,618**
[13] A1

[51] **Int.Cl. A61K 31/4178 (2006.01) A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61P 27/02 (2006.01) A61P 27/10 (2006.01)**

[25] EN
[54] **PRESBYOPIA TREATMENTS**
[54] **TRAITEMENTS DE LA PRESBYTIE**

[72] ROBINSON, MICHAEL R., US
[72] DIBAS, MOHAMMED, US
[72] GIYANANI, JAYA, US
[72] GORE, ANURADHA, US
[72] LEE, SUNGWOOK, US
[72] LIU, HAIXIA, US
[72] MORGAN, AILEEN, US
[72] ZHOU, JIHAO, US
[71] ALLERGAN, INC., US
[85] 2020-03-02
[86] 2019-04-24 (PCT/US2019/028917)
[87] (WO2019/209955)
[30] US (62/662,144) 2018-04-24
[30] US (62/780,117) 2018-12-14
[30] US (62/790,957) 2019-01-10

[21] **3,074,620**
[13] A1

[51] **Int.Cl. A01N 43/36 (2006.01) A01N 43/56 (2006.01) A01N 43/80 (2006.01) A01N 59/26 (2006.01) A01P 7/04 (2006.01)**

[25] EN
[54] **TOPICALLY ADMINISTRABLE FORMULATION FOR THE CONTROL AND PREVENTION OF ANIMAL PARASITES**
[54] **FORMULATION ADMINISTRABLE PAR VOIE TOPIQUE POUR LUTTER CONTRE DES PARASITES DES ANIMAUX ET PREVENIR LEUR APPARITION**

[72] WIEHL, WOLFGANG, DE
[72] OHAGE-SPITZLEI, PETRA, DE
[72] SCHMIDT, FRANZISKA, DE
[71] BAYER ANIMAL HEALTH GMBH, DE
[85] 2020-03-03
[86] 2018-09-03 (PCT/EP2018/073620)
[87] (WO2019/048381)
[30] EP (17189706.9) 2017-09-06

[21] **3,074,622**
[13] A1

[51] **Int.Cl. G01N 33/18 (2006.01) G01N 21/63 (2006.01) G01N 21/64 (2006.01) G01N 21/76 (2006.01) G01N 33/24 (2006.01)**

[25] EN
[54] **DETECTION OF HYDROCARBON CONTAMINATION IN SOIL AND WATER**
[54] **DETECTION DE CONTAMINATION PAR DES HYDROCARBURES DANS LE SOL ET L'EAU**

[72] GOTOR, RAUL, DE
[72] BELL, JEREMY, DE
[72] RURACK, KNUT, DE
[71] BUNDESREPUBLIK DEUTSCHLAND, VERTRETEN DURCH DIE BUNDESMINISTERIN FUR WTSCHAFT UND ENERGIE, DIESE VERTRETEN DURCH DEN PRASIDENTEN DER BUNDESATALT FUR MATERIALFORSCHUNG - UND PRUFUNG (BAM), DE
[85] 2020-03-03
[86] 2017-09-29 (PCT/EP2017/074876)
[87] (WO2019/063100)

[21] **3,074,623**
[13] A1

[51] **Int.Cl. A23D 9/05 (2006.01) A21D 13/42 (2017.01) A21D 2/16 (2006.01)**

[25] EN
[54] **METHOD FOR PREPARING A FLOUR TORTILLA**
[54] **PROCEDE DE PREPARATION D'UNE TORTILLA A LA FARINE**

[72] KARREMANS, ADRIANUS RUTGERUS ANTONIUS, NL
[72] VAN OORT, MARTINUS GERARDUS, NL
[72] CARREON, OSCAR, NL
[72] PRIMO MARTIN, CRISTINA, NL
[71] MAURI TECHNOLOGY B.V., NL
[85] 2020-03-02
[86] 2018-09-06 (PCT/NL2018/050577)
[87] (WO2019/050403)
[30] US (62/554,600) 2017-09-06
[30] NL (2019710) 2017-10-12

[21] **3,074,624**
[13] A1

[51] **Int.Cl. B26D 1/02 (2006.01) B26D 3/00 (2006.01) B26D 3/30 (2006.01) B26D 7/06 (2006.01) H01M 6/06 (2006.01) H01M 6/52 (2006.01) B26D 1/00 (2006.01)**

[25] EN
[54] **STATION FOR CUTTING AA-TYPE, D-TYPE AND/OR C-TYPE BATTERIES, METHOD FOR SEPARATING AND RECOVERING COMPONENTS OF SAID BATTERIES AND SYSTEM FOR IMPLEMENTING SUCH A METHOD**
[54] **STATION DE DECOUPE DE PILES DE TYPE AA, DE TYPE D ET/OU DE TYPE C, PROCEDE DE SEPARATION ET DE RECUPERATION DES COMPOSANTES DESDITES PILES ET SYSTEME DE MISE EN UVRE D'UN TEL PROCEDE**

[72] VOLAKAKIS, EMMANOUIL, IT
[71] E.V.H. S.R.L., IT
[85] 2020-03-03
[86] 2018-09-04 (PCT/EP2018/073689)
[87] (WO2019/043242)
[30] EP (17189197.1) 2017-09-04

[21] **3,074,626**
[13] A1

[51] **Int.Cl. A61B 3/00 (2006.01)**

[25] EN
[54] **METHOD AND SYSTEM FOR ADAPTING THE VISUAL AND/OR VISUAL-MOTOR BEHAVIOUR OF A PERSON**
[54] **PROCEDE ET SYSTEME D'ADAPTATION DU COMPORTEMENT VISUEL ET/OU VISUEL-MOTEUR D'UNE PERSONNE**

[72] DROBE, BJORN, FR
[72] FAUBERT, JOCELYN, CA
[72] GIRAUDET, GUILLAUME, FR
[71] ESSILOR INTERNATIONAL, FR
[71] UNIVERSITE DE MONTREAL, CA
[85] 2020-03-03
[86] 2018-10-02 (PCT/EP2018/076717)
[87] (WO2019/068671)
[30] EP (17306314.0) 2017-10-02

PCT Applications Entering the National Phase

[21] **3,074,627**
[13] A1

[51] **Int.Cl. G01K 17/00 (2006.01) A61J 1/10 (2006.01) A61J 1/14 (2006.01) B01L 3/00 (2006.01) G01N 25/20 (2006.01) G01N 25/48 (2006.01) G01N 33/487 (2006.01)**

[25] EN

[54] **CALORIMETER AND SAMPLE CONTAINER FOR A CALORIMETER**

[54] **CALORIMETRE ET RECIPIENT A ECHANTILLON POUR CALORIMETRE**

[72] GOPFERT, BEAT, CH

[72] VON TSCHARNER, VINZENZ, CH

[71] CALBACT AG, CH

[85] 2020-03-03

[86] 2018-10-18 (PCT/EP2018/078475)

[87] (WO2019/086251)

[30] EP (17200227.1) 2017-11-06

[21] **3,074,630**
[13] A1

[51] **Int.Cl. C22B 1/00 (2006.01) C22B 3/44 (2006.01) C22B 7/00 (2006.01) C22B 19/30 (2006.01) C22B 47/00 (2006.01)**

[25] EN

[54] **CHEMICAL PROCESS FOR THE RECOVERY OF ALKALINE AND ZINC-CARBON BATTERY COMPONENTS**

[54] **PROCEDE CHIMIQUE POUR LA RECUPERATION DE COMPOSANTS DE BATTERIE ALCALINE ET AU ZINC-CARBONE**

[72] VOLAKAKIS, EMMANOUIL, IT

[71] E.V.H. S.R.L. IN LIQUIDAZIONE, IT

[85] 2020-03-03

[86] 2018-09-04 (PCT/EP2018/073709)

[87] (WO2019/043244)

[30] EP (17189198.9) 2017-09-04

[21] **3,074,635**
[13] A1

[51] **Int.Cl. C07K 19/00 (2006.01) C12N 5/078 (2010.01) A61K 47/68 (2017.01) A61K 38/20 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C07K 14/54 (2006.01) C07K 14/715 (2006.01) C07K 16/00 (2006.01) C12N 15/62 (2006.01)**

[25] EN

[54] **IL-15-BASED FUSIONS TO IL-7 AND IL-21**

[54] **FUSIONS BASEES SUR IL-15 AVEC IL-7 ET IL-21**

[72] WONG, HING C., US

[71] ALTOR BIOSCIENCE LLC, US

[85] 2020-02-25

[86] 2018-08-28 (PCT/US2018/048365)

[87] (WO2019/046313)

[30] US (62/551,218) 2017-08-28

[21] **3,074,629**
[13] A1

[51] **Int.Cl. A61K 49/22 (2006.01) A61B 5/06 (2006.01) A61B 8/00 (2006.01) A61B 8/08 (2006.01) A61K 9/00 (2006.01) A61K 41/00 (2020.01) A61N 5/10 (2006.01) A61P 9/00 (2006.01)**

[25] EN

[54] **SONO-RESPONSIVE EMBOLIC AGENTS**

[54] **AGENTS EMBOLIQUES SENSIBLES AUX SONO**

[72] STEWART, MICHAEL, CA

[72] GRIFFITH, IRWIN, CA

[71] IMBIOTECHNOLOGIES LTD., CA

[85] 2020-03-03

[86] 2018-09-07 (PCT/CA2018/051092)

[87] (WO2019/046955)

[30] US (62/555,430) 2017-09-07

[21] **3,074,631**
[13] A1

[51] **Int.Cl. A47B 13/10 (2006.01)**

[25] EN

[54] **TABLE TOP**

[54] **PLATEAU DE TABLE**

[72] OCHSENFELD, GERHARD, DE

[72] OCHSENFELD, MICHAEL, DE

[71] EINRICHTWERK GMBH, DE

[85] 2020-03-03

[86] 2017-12-18 (PCT/EP2017/083330)

[87] (WO2019/048073)

[30] DE (20 2017 105 463.2) 2017-09-08

[21] **3,074,636**
[13] A1

[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/196 (2006.01) A61K 31/33 (2006.01) A61K 47/34 (2017.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **TRANSDERMAL DELIVERY SYSTEM INCLUDING AN EMULSIFIER**

[54] **SYSTEME D'ADMINISTRATION COMPRENANT UN EMULSIFIANT**

[72] WAUER, GABRIEL, DE

[72] SEIBERTZ, FRANK, DE

[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE

[85] 2020-03-03

[86] 2018-08-31 (PCT/EP2018/073498)

[87] (WO2019/043172)

[30] EP (17189273.0) 2017-09-04

[21] **3,074,634**
[13] A1

[51] **Int.Cl. C12N 15/11 (2006.01)**

[25] EN

[54] **SINGLE STRANDED OLIGONUCLEOTIDES INHIBITING ENDOCYTOSIS**

[54] **OLIGONUCLEOTIDES SIMPLE BRIN INHIBANT L'ENDOCYTOSE**

[72] JARVER, PETER, SE

[72] SPETZ, ANNA-LENA MARIE, SE

[72] DONDALSKA, ALEKSANDRA MARIA, SE

[71] TIRMED PHARMA AB, SE

[85] 2020-03-03

[86] 2018-09-06 (PCT/EP2018/074032)

[87] (WO2019/048555)

Demandes PCT entrant en phase nationale

[21] **3,074,638**
[13] A1

[51] **Int.Cl. H05B 6/10 (2006.01) A24F 47/00 (2020.01)**
[25] EN
[54] **INDUCTION HEATING ASSEMBLY FOR A VAPOUR GENERATING DEVICE**
[54] **ENSEMBLE DE CHAUFFAGE PAR INDUCTION POUR UN DISPOSITIF DE GENERATION DE VAPEUR**
[72] GILL, MARK, GB
[71] JT INTERNATIONAL SA, CH
[85] 2020-03-03
[86] 2018-09-03 (PCT/EP2018/073617)
[87] (WO2019/048380)
[30] EP (17189678.0) 2017-09-06

[21] **3,074,639**
[13] A1

[51] **Int.Cl. A61F 13/00 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **SENSOR ENABLED WOUND THERAPY DRESSINGS AND SYSTEMS IMPLEMENTING CYBERSECURITY**
[54] **PANSEMENTS DE THERAPIE DE PLAIE ACTIVES PAR CAPTEUR ET SYSTEMES METTANT EN ŒUVRE UNE CYBERSECURITE**
[72] HUNT, ALLAN KENNETH FRAZER GRUGEON, GB
[72] PHILLIPS, MARCUS DAMIAN, GB
[72] QUINTANAR, FELIX CLARENCE, GB
[72] SMITH, DAMIAN LAWSON, GB
[72] URWIN, CHARLOTTE, GB
[71] SMITH & NEPHEW PLC, GB
[85] 2020-03-03
[86] 2018-09-07 (PCT/EP2018/074200)
[87] (WO2019/048638)
[30] US (62/556504) 2017-09-10
[30] US (62/556505) 2017-09-11
[30] US (62/586833) 2017-11-15
[30] GB (1718870.7) 2017-11-15

[21] **3,074,641**
[13] A1

[51] **Int.Cl. A61K 31/47 (2006.01) A61K 31/4709 (2006.01) A61K 31/5377 (2006.01)**
[25] EN
[54] **SPECIFIC AKT3 ACTIVATOR AND USES THEREOF**
[54] **ACTIVATEUR D'AKT3 SPECIFIQUE ET SES UTILISATIONS**
[72] KHLEIF, SAMIR, US
[72] MKRTICHYAN, MIKAYEL, US
[71] AUGUSTA UNIVERSITY RESEARCH INSTITUTE, INC., US
[85] 2020-03-02
[86] 2018-09-06 (PCT/US2018/049715)
[87] (WO2019/051063)
[30] US (62/555,141) 2017-09-07
[30] US (62/657,345) 2018-04-13
[30] US (62/659,870) 2018-04-19

[21] **3,074,642**
[13] A1

[51] **Int.Cl. D01H 13/04 (2006.01) D02G 3/28 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PRODUCING A YARN**
[54] **PROCEDE ET DISPOSITIF DE FABRICATION D'UN FIL**
[72] KAMINSZKY, ROBERT DANIEL, DE
[72] MAGALHAES DE SA ALCINO, MIGUEL, DE
[72] THOUVAY, STEPHANE, DE
[71] SUDWOLLE GMBH & CO. KG., DE
[85] 2020-03-03
[86] 2018-09-25 (PCT/EP2018/075968)
[87] (WO2019/081144)
[30] DE (10 2017 124 659.2) 2017-10-23

[21] **3,074,643**
[13] A1

[51] **Int.Cl. G01N 33/48 (2006.01)**
[25] EN
[54] **METHODS FOR DETECTING NA/K-ATPASE-MEDIATED SRC SIGNALING FOR DIAGNOSIS AND PROGNOSIS OF CANCER**
[54] **PROCEDES POUR LA DETECTION DE LA SIGNALISATION SRC A MEDIATION PAR UNE ATPASE NA/K POUR LE DIAGNOSTIC ET LE PRONOSTIC DU CANCER**
[72] BANERJEE, MOUMITA, US
[72] CUI, XIAOYU, US
[72] XIE, ZIJIAN, US
[71] MARSHALL UNIVERSITY RESEARCH CORPORATION, US
[85] 2020-03-02
[86] 2018-09-06 (PCT/US2018/049755)
[87] (WO2019/051090)
[30] US (62/554,669) 2017-09-06

[21] **3,074,644**
[13] A1

[51] **Int.Cl. A01C 21/00 (2006.01) A01C 17/00 (2006.01)**
[25] EN
[54] **METHOD OF SPREADING GRANULAR MATERIAL**
[54] **PROCEDE D'EPANDAGE DE MATIERE D'EPANDAGE**
[72] RAHE, FLORIAN, DE
[71] AMAZONEN-WERKE H. DREYER G.M.B.H. & CO. KG, DE
[85] 2020-03-03
[86] 2018-08-29 (PCT/EP2018/073179)
[87] (WO2019/048297)
[30] DE (102017120870.4) 2017-09-11

PCT Applications Entering the National Phase

[21] **3,074,645**
[13] A1

[51] **Int.Cl. C09C 1/02 (2006.01) D21H 17/00 (2006.01) D21H 19/00 (2006.01)**
[25] EN
[54] **COATING COMPOSITIONS COMPRISING GROUND NATURAL CALCIUM CARBONATE (GCC)**
[54] **COMPOSITIONS DE REVETEMENT COMPRENANT DU CARBONATE DE CALCIUM NATUREL BROYE (GCC)**
[72] GANTENBEIN, DANIEL, CH
[72] ZINCHENKO, MARYNA, NO
[72] ORTEN, ROLF ENDRE, NO
[72] GYSAU, DETLEF, CH
[72] WERNER, DENNIS, DE
[71] OMYA INTERNATIONAL AG, CH
[85] 2020-03-03
[86] 2018-09-26 (PCT/EP2018/076091)
[87] (WO2019/068532)
[30] EP (17194847.4) 2017-10-04
[30] US (62/570,686) 2017-10-11

[21] **3,074,646**
[13] A1

[51] **Int.Cl. H04W 72/12 (2009.01)**
[25] EN
[54] **USER EQUIPMENT-SPECIFIC SCHEDULING REQUEST REPETITIONS**
[54] **REPETITIONS DE REQUETE DE PLANIFICATION SPECIFIQUES A UN EQUIPEMENT UTILISATEUR**
[72] LI, CHONG, US
[72] CHEN, WANSHI, US
[72] JIANG, JING, US
[72] SUN, JING, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-02-26
[86] 2018-09-24 (PCT/US2018/052451)
[87] (WO2019/060831)
[30] US (62/563,011) 2017-09-25
[30] US (16/137,840) 2018-09-21

[21] **3,074,647**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A01K 67/027 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ANTIBODIES TO PROGRAMMED CELL DEATH PROTEIN 1**
[54] **ANTICORPS DIRIGES CONTRE LA PROTEINE 1 DE MORT CELLULAIRE PROGRAMMEE**
[72] KHLEIF, SAMIR, US
[72] MKRTICHYAN, MIKAYEL, US
[71] AUGUSTA UNIVERSITY RESEARCH INSTITUTE, INC., US
[85] 2020-03-02
[86] 2018-09-07 (PCT/US2018/049854)
[87] (WO2019/051164)
[30] US (62/555,156) 2017-09-07
[30] US (62/624,843) 2018-02-01
[30] US (62/657,323) 2018-04-13

[21] **3,074,648**
[13] A1

[51] **Int.Cl. B23D 21/00 (2006.01) B23D 15/04 (2006.01) E21B 29/00 (2006.01)**
[25] EN
[54] **METHOD FOR CUTTING A TUBULAR STRUCTURE AT A DRILL FLOOR AND A CUTTING TOOL FOR CARRYING OUT SUCH METHOD**
[54] **PROCEDE DE DECOUPE D'UNE STRUCTURE TUBULAIRE AU NIVEAU D'UN PLANCHER DE FORAGE ET OUTIL DE COUPE POUR LA MISE EN OEUVRE D'UN TEL PROCEDE**
[72] BIRKELAND, PETTER, NO
[71] SMART INSTALLATIONS AS, NO
[85] 2020-03-02
[86] 2018-11-22 (PCT/NO2018/050291)
[87] (WO2019/108066)
[30] NO (20171910) 2017-11-29

[21] **3,074,649**
[13] A1

[51] **Int.Cl. G01R 33/565 (2006.01) A61B 5/055 (2006.01) G01R 33/385 (2006.01) G01R 33/56 (2006.01)**
[25] EN
[54] **METHOD FOR PERFORMING DIFFUSION WEIGHTED MAGNETIC RESONANCE MEASUREMENTS**
[54] **PROCEDE DE REALISATION DE MESURES DE RESONANCE MAGNETIQUE PONDEREES PAR DIFFUSION**
[72] SZCZEPANKIEWICZ, FILIP, SE
[72] NILSSON, MARKUS, SE
[71] CR DEVELOPMENT AB, SE
[85] 2020-03-02
[86] 2018-09-07 (PCT/SE2018/050901)
[87] (WO2019/050462)
[30] US (62/555,165) 2017-09-07

[21] **3,074,650**
[13] A1

[51] **Int.Cl. B01D 53/14 (2006.01)**
[25] EN
[54] **ABSORBENT AND PROCESS FOR SELECTIVELY REMOVING HYDROGEN SULFIDE**
[54] **ABSORBANT ET PROCESSUS D'ELIMINATION SELECTIVE DE SULFURE D'HYDROGENE**
[72] ERNST, MARTIN, DE
[72] VORBERG, GERALD, DE
[72] INGRAM, THOMAS, DE
[72] SIEDER, GEORG, DE
[72] PEREIRA, CARLA, US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[71] BASF SE, DE
[85] 2020-03-03
[86] 2018-08-30 (PCT/EP2018/073351)
[87] (WO2019/043099)
[30] EP (17189266.4) 2017-09-04

Demandes PCT entrant en phase nationale

[21] **3,074,651**
[13] A1

[51] **Int.Cl. E01F 13/04 (2006.01) E01F 13/10 (2006.01) E01F 15/14 (2006.01) F03G 5/06 (2006.01) F03G 7/08 (2006.01) F04B 43/02 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR GENERATING, STORING AND TRANSMITTING ELECTRICITY FROM VEHICULAR TRAFFIC**

[54] **SYSTEMES ET PROCEDES POUR GENERER, STOCKER ET TRANSMETTRE DE L'ELECTRICITE A PARTIR D'UN TRAFIC DE VEHICULES**

[72] MATTHEWS, JESSICA
OSEMUDIAMEN IDONI, US

[72] BISH, DANIEL, US

[72] DU, XIN, US

[72] GLASSMAN, JARED, US

[72] ISLAM, RAYA, US

[72] KOVALCIN, DEANNA, US

[72] SINGH, PARTH RANJAN, US

[72] TWEEL, LAUREN, US

[71] UNCHARTED POWER, INC., US

[85] 2020-03-02

[86] 2018-08-31 (PCT/US2018/049258)

[87] (WO2019/046816)

[30] US (62/552,940) 2017-08-31

[21] **3,074,652**
[13] A1

[51] **Int.Cl. C12Q 1/6883 (2018.01)**

[25] EN

[54] **SINGLE IMMUNOGLOBULIN INTERLEUKIN-1 RECEPTOR RELATED (SIGIRR) VARIANTS AND USES THEREOF**

[54] **VARIANTS APPARENTES AU RECEPTEUR DE L'INTERLEUKINE 1 D'IMMUNOGLOBULINE UNIQUE (SIGIRR) ET LEURS UTILISATIONS**

[72] GONZAGA-JAUREGUI, CLAUDIA G., US

[72] HOROWITZ, JULIE, US

[71] REGENERON PHARMACEUTICALS, INC., US

[85] 2020-03-02

[86] 2018-09-05 (PCT/US2018/049478)

[87] (WO2019/050899)

[30] US (62/554,857) 2017-09-06

[21] **3,074,653**
[13] A1

[51] **Int.Cl. A01G 24/35 (2018.01) A01G 31/06 (2006.01)**

[25] EN

[54] **PLANT GROWING CONTAINER AND METHOD**

[54] **RECIPIENT ET PROCEDE DE CULTURE DE PLANTE**

[72] SHANI, URI, IL

[72] DABACH, SHARON, IL

[71] TOMGROW LTD., IL

[85] 2020-03-03

[86] 2018-09-07 (PCT/IL2018/051018)

[87] (WO2019/049156)

[30] US (62/556,524) 2017-09-11

[21] **3,074,654**
[13] A1

[51] **Int.Cl. A63B 69/00 (2006.01)**

[25] EN

[54] **A TRAINING DEVICE**

[54] **DISPOSITIF D'ENTRAINEMENT**

[72] SUTTA, PETERS, LV

[72] LEITANS, JANIS, LV

[71] SUTTA, PETERS, LV

[85] 2020-03-03

[86] 2018-08-09 (PCT/IB2018/055995)

[87] (WO2019/048952)

[30] LV (P-17-54) 2017-09-05

[21] **3,074,655**
[13] A1

[51] **Int.Cl. G16B 40/00 (2019.01) G16B 5/00 (2019.01) C12Q 1/68 (2018.01) C12Q 1/02 (2006.01) C12Q 1/18 (2006.01)**

[25] EN

[54] **METHODS TO DETERMINE THE SENSITIVITY PROFILE OF A BACTERIAL STRAIN TO A THERAPEUTIC COMPOSITION**

[54] **PROCEDES DE DETERMINATION DU PROFIL DE SENSIBILITE D'UNE SOUCHE BACTERIENNE A UNE COMPOSITION THERAPEUTIQUE**

[72] MERRIL, CARL, US

[71] ADAPTIVE PHAGE THERAPEUTICS, INC., US

[85] 2020-03-02

[86] 2018-09-05 (PCT/US2018/049481)

[87] (WO2019/050902)

[30] US (62/554,529) 2017-09-05

[30] US (62/597,151) 2017-12-11

[30] US (62/673,162) 2018-05-18

[21] **3,074,656**
[13] A1

[51] **Int.Cl. H04L 29/06 (2006.01) H04L 9/32 (2006.01)**

[25] EN

[54] **SECURING A DATA CONNECTION FOR COMMUNICATING BETWEEN TWO END-POINTS**

[54] **SECURISATION D'UNE CONNEXION DE DONNEES POUR COMMUNIQUER ENTRE DEUX POINTS D'EXTREMITE**

[72] BROUCHIER, JULIEN, US

[72] COOPER, ANDREW DAVID, US

[72] COOPER, RICHARD JAMES, US

[72] GIRAUD, JEAN-LUC CLAUDE ROBERT, US

[72] WRIGHT, IAN, US

[72] MAYERS, CHRISTOPHER MORGAN, US

[71] CITRIX SYSTEMS, INC., US

[85] 2020-03-02

[86] 2018-09-05 (PCT/US2018/049522)

[87] (WO2019/050930)

[30] US (15/695,793) 2017-09-05

[21] **3,074,657**
[13] A1

[51] **Int.Cl. C02F 1/52 (2006.01)**

[25] EN

[54] **COMPOSITION AND METHOD FOR REMOVING IMPURITIES FROM A FLUID**

[54] **COMPOSITION ET PROCEDE POUR ELIMINER LES IMPURETES D'UN LIQUIDE**

[72] MUNDHEIM, ATLE, NO

[71] M VEST WATER AS, NO

[85] 2020-03-03

[86] 2018-09-03 (PCT/IB2018/056707)

[87] (WO2019/043654)

[30] NO (20171426) 2017-09-04

PCT Applications Entering the National Phase

[21] **3,074,658**
[13] A1

[51] **Int.Cl. A21D 2/02 (2006.01) A21D 13/047 (2017.01) A21D 2/26 (2006.01) A21D 10/00 (2006.01)**

[25] EN

[54] **FLOUR IMPROVER AND USES THEREOF**

[54] **AMELIORANTS DE FARINE ET UTILISATIONS ASSOCIEES**

[72] VAN HAESENDONCK, INGRID, BE

[72] VAN DER BIEST, GOEDELE, BE

[72] PAREYT, BRAM, BE

[72] GALLIHER, CHARLES R, 3RD, US

[72] KIME, MICHAEL, US

[72] BOSMANS, GEERTRUI, BE

[72] BRIJS, KRISTOF, BE

[72] DELCOUR, JAN, BE

[71] PURATOS, BE

[85] 2020-03-03

[86] 2018-10-26 (PCT/EP2018/079433)

[87] (WO2019/081718)

[30] BE (2017/5771) 2017-10-27

[21] **3,074,659**
[13] A1

[51] **Int.Cl. E04B 9/16 (2006.01) E04B 9/36 (2006.01) E04B 9/18 (2006.01) E04B 9/34 (2006.01)**

[25] EN

[54] **METAL BAFFLES**

[54] **DEFLECTEURS METALLIQUES**

[72] UNDERKOFER, ABRAHAM M., US

[72] GULBRANDSEN, PEDER J., US

[72] PAULSEN, MARK R., US

[72] CAROLUS, KYLE S., CA

[71] USG INTERIORS, LLC, US

[85] 2020-03-02

[86] 2018-09-05 (PCT/US2018/049542)

[87] (WO2019/050946)

[30] US (15/696,597) 2017-09-06

[21] **3,074,660**
[13] A1

[51] **Int.Cl. A61N 1/32 (2006.01) A61B 5/053 (2006.01) A61B 18/00 (2006.01) A61B 18/14 (2006.01)**

[25] EN

[54] **DEVICE FOR STIMULATING SKIN REGENERATION**

[54] **DISPOSITIF DE STIMULATION DE LA REGENERATION DE LA PEAU**

[72] BUSONI, MAURIZIO, IT

[71] BUSONI, MAURIZIO, IT

[85] 2020-03-03

[86] 2018-09-11 (PCT/IB2018/056932)

[87] (WO2019/049105)

[30] IT (102017000101375) 2017-09-11

[21] **3,074,661**
[13] A1

[51] **Int.Cl. B23C 5/08 (2006.01) B23C 5/10 (2006.01) B27G 13/00 (2006.01)**

[25] EN

[54] **MILLING TOOL HOLDER AND MILLING TOOL**

[54] **PORTE-OUTIL DE FRAISAGE ET OUTIL DE FRAISAGE**

[72] STARK, CHRISTIAN, DE

[71] HARTMETALL-WERKZEUGFABRIK PAUL HORN GMBH, DE

[85] 2020-03-03

[86] 2018-12-19 (PCT/EP2018/085966)

[87] (WO2019/121998)

[30] DE (10 2017 131 001.0) 2017-12-21

[21] **3,074,662**
[13] A1

[51] **Int.Cl. B32B 5/16 (2006.01) B29C 70/00 (2006.01) B32B 3/20 (2006.01) B32B 3/26 (2006.01) B32B 5/18 (2006.01) B32B 5/30 (2006.01) B32B 19/02 (2006.01) B32B 27/12 (2006.01) B32B 27/14 (2006.01) B32B 37/00 (2006.01) B32B 37/02 (2006.01) B44C 5/04 (2006.01) B32B 37/24 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING CURED POLYMERIC SKINS**

[54] **PROCEDE DE PRODUCTION DE REVETEMENTS EN POLYMERES DURCIS**

[72] ALBERTELLI, ALDINO, IE

[71] ACELL INDUSTRIES LIMITED, IE

[85] 2020-03-03

[86] 2018-07-31 (PCT/GB2018/052181)

[87] (WO2019/025783)

[30] GB (1712320.9) 2017-07-31

[21] **3,074,663**
[13] A1

[51] **Int.Cl. G06Q 10/04 (2012.01) G06F 21/55 (2013.01)**

[25] EN

[54] **ANALYSIS APPARATUS, ANALYSIS METHOD, AND RECORDING MEDIUM**

[54] **DISPOSITIF, PROCEDE ET PROGRAMME D'ANALYSE**

[72] MIMURA, NODOKA, JP

[72] TSUSHIMA, YUJI, JP

[72] IKEGAMI, KOZO, JP

[71] HITACHI, LTD., JP

[85] 2020-03-03

[86] 2018-08-13 (PCT/JP2018/030206)

[87] (WO2019/163160)

[30] JP (2018-030182) 2018-02-22

[21] **3,074,664**
[13] A1

[51] **Int.Cl. A01K 67/033 (2006.01)**

[25] EN

[54] **APPARATUS AND METHODS FOR PRODUCTION OF DIPTERAN INSECTS**

[54] **DISPOSITIFS ET PROCEDES DE PRODUCTION D'INSECTES DIPTERES**

[72] WHITAKER, KEIRAN CAMILO OLIVARES, GB

[72] HILLMANN, PAUL SAMUEL, GB

[71] ENTOCYCLE LTD, GB

[85] 2020-03-03

[86] 2018-09-14 (PCT/GB2018/052631)

[87] (WO2019/053456)

[30] GB (1714822.2) 2017-09-14

[21] **3,074,665**
[13] A1

[51] **Int.Cl. H04W 40/24 (2009.01) H04W 40/08 (2009.01) H04W 40/10 (2009.01) H04W 40/20 (2009.01) H04W 84/18 (2009.01)**

[25] EN

[54] **IMPROVED ZONING CONFIGURATION IN A MESH NETWORK**

[54] **CONFIGURATION DE ZONAGE AMELIOREE DANS UN RESEAU MAILLE**

[72] ALEXANDER, PETER, GB

[72] BROWN, CLYM, GB

[71] TEXECOM LIMITED, GB

[85] 2020-03-03

[86] 2018-09-03 (PCT/GB2018/052482)

[87] (WO2019/048837)

[30] GB (1714246.4) 2017-09-05

[21] **3,074,666**
[13] A1

[51] **Int.Cl. B25J 9/16 (2006.01) B25J 19/06 (2006.01)**

[25] EN

[54] **ROBOTIC ARM**

[54] **BRAS ROBOTISE**

[72] STOELEN, MARTIN, GB

[71] UNIVERSITY OF PLYMOUTH, GB

[85] 2020-03-03

[86] 2018-09-18 (PCT/GB2018/052654)

[87] (WO2019/053474)

[30] GB (1715006.1) 2017-09-18

[30] GB (1715007.9) 2017-09-18

[30] GB (1715005.3) 2017-09-18

Demandes PCT entrant en phase nationale

[21] **3,074,668**
[13] A1

[51] **Int.Cl. E21B 33/04 (2006.01) E21B 33/129 (2006.01) E21B 34/10 (2006.01)**

[25] EN
[54] **DOWNHOLE APPARATUS**
[54] **APPAREIL EN PROFONDEUR DE FORAGE**

[72] MACLURG, MICHAEL JOHN, GB
[71] WEATHERFORD U.K. LIMITED, GB
[85] 2020-03-03
[86] 2018-09-28 (PCT/GB2018/052773)
[87] (WO2019/073200)
[30] GB (1716539.0) 2017-10-09
[30] GB (1800522.3) 2018-01-12

[21] **3,074,670**
[13] A1

[51] **Int.Cl. H01Q 21/06 (2006.01) H01P 5/02 (2006.01) H01P 5/08 (2006.01) H01P 5/12 (2006.01) H01Q 13/08 (2006.01)**

[25] EN
[54] **ANTENNA DEVICE**
[54] **DISPOSITIF D'ANTENNE**

[72] KAUSHAL, SHAILENDRA, JP
[72] GUAN, NING, JP
[71] FUJIKURA LTD., JP
[85] 2020-03-03
[86] 2018-09-12 (PCT/JP2018/033784)
[87] (WO2019/059062)
[30] JP (2017-181339) 2017-09-21

[21] **3,074,672**
[13] A1

[51] **Int.Cl. F16T 1/48 (2006.01) G01H 11/08 (2006.01) G01L 11/06 (2006.01) G01M 3/22 (2006.01) G01M 3/24 (2006.01) H04R 17/02 (2006.01)**

[25] EN
[54] **SYSTEMS, METHODS, AND MEDIA FOR DETECTING ABNORMALITIES IN EQUIPMENT THAT EMIT ULTRASONIC ENERGY INTO A SOLID MEDIUM DURING FAILURE**

[54] **SYSTEMES, PROCEDES ET MOYENS DE DETECTION D'ANOMALIES DANS UN EQUIPEMENT, EMETTANT DE L'ENERGIE ULTRASONORE VERS UN MILIEU SOLIDE PENDANT UNE DEFAILLANCE**

[72] OWENS, PETER, US
[72] MICALLEF, DAVID, MT
[71] LATENCY, LLC, US
[85] 2020-03-03
[86] 2018-01-30 (PCT/US2018/016013)
[87] (WO2018/140964)
[30] US (62/452,034) 2017-01-30
[30] US (62/483,756) 2017-04-10

[21] **3,074,673**
[13] A1

[51] **Int.Cl. A01G 9/00 (2018.01) A01G 13/00 (2006.01) E01C 9/00 (2006.01)**

[25] EN
[54] **SYSTEM AND METHOD FOR TREE GROWTH MANAGEMENT**

[54] **SYSTEME ET PROCEDE DE GESTION DE CROISSANCE D'ARBRE**

[72] COHEN, RON, IL
[72] ANTEBI, YEHONATAN, IL
[72] EILON, JACOB, IL
[72] ZUR, SHACHAR, IL
[71] TREE-LUBE LTD., IL
[85] 2020-03-03
[86] 2018-09-04 (PCT/IL2018/050984)
[87] (WO2019/043720)

[21] **3,074,674**
[13] A1

[51] **Int.Cl. C08B 37/04 (2006.01) A61K 8/73 (2006.01) A61K 47/36 (2006.01) A61K 47/38 (2006.01) A61Q 19/00 (2006.01) C08B 15/00 (2006.01) C08B 37/08 (2006.01)**

[25] EN
[54] **PRODUCTION METHOD FOR MEDICAL AND COSMETIC MATERIAL, AND MEDICAL AND COSMETIC MATERIAL**

[54] **PROCEDE DE PRODUCTION DE MATERIAU MEDICAL ET COSMETIQUE ET MATERIAU MEDICAL ET COSMETIQUE**

[72] ISONO, YASUYUKI, JP
[71] DAINICHISEIKA COLOR & CHEMICALS MFG. CO., LTD., JP
[85] 2020-03-03
[86] 2018-08-16 (PCT/JP2018/030400)
[87] (WO2019/044519)
[30] JP (2017-169099) 2017-09-04

[21] **3,074,676**
[13] A1

[51] **Int.Cl. H01M 4/86 (2006.01) H01M 4/88 (2006.01) H01M 8/10 (2016.01)**

[25] EN
[54] **MICRO-POROUS LAYER AND MANUFACTURING METHOD THEREFOR, GAS DIFFUSION ELECTRODE SUBSTRATE, AND FUEL BATTERY**

[54] **COUCHE MICRO-POREUSE ET SON PROCEDE DE FABRICATION, SUBSTRAT D'ELECTRODE DE DIFFUSION DE GAZ ET BATTERIE A COMBUSTIBLE**

[72] UTSUNOMIYA, MASAMICHI, JP
[72] KAJIWARA, KENTARO, JP
[72] WATANABE, FUMITAKA, JP
[72] TANIMURA, YASUAKI, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2020-03-03
[86] 2018-11-21 (PCT/JP2018/042969)
[87] (WO2019/107241)
[30] JP (2017-228745) 2017-11-29
[30] JP (2018-084883) 2018-04-26

PCT Applications Entering the National Phase

[21] **3,074,677**
[13] A1

[51] **Int.Cl. B62D 55/125 (2006.01) B62D 55/20 (2006.01)**
[25] EN
[54] **TRACK DRIVE**
[54] **ENTRAINEMENT DE CHENILLE**
[72] BUCHANAN, PETER J.
(DECEASED), XX
[71] MTD PRODUCTS INC, US
[85] 2020-03-02
[86] 2018-09-05 (PCT/US2018/049559)
[87] (WO2019/050957)
[30] US (62/554,165) 2017-09-05
[30] US (16/121,622) 2018-09-04

[21] **3,074,678**
[13] A1

[51] **Int.Cl. C12N 5/09 (2010.01) C12N 5/071 (2010.01) C12N 5/073 (2010.01) C12N 5/0775 (2010.01) C12N 5/0789 (2010.01) A61K 38/36 (2006.01) C07K 14/745 (2006.01) C07K 19/00 (2006.01) C12N 9/64 (2006.01) C12N 9/74 (2006.01)**
[25] EN
[54] **METHOD OF TARGETING EXOSOMES**
[54] **PROCEDE DE CIBLAGE D'EXOSOMES**
[72] HERMISTON, TERRY, US
[72] BAUZON, MAXINE, US
[72] CONTAG, CHRISTOPHER H., US
[72] HARDY, JONATHAN, US
[72] KANADA, MASAMITSU, US
[71] GLADIATOR BIOSCIENCES, INC., US
[85] 2020-03-03
[86] 2018-09-05 (PCT/US2018/049619)
[87] (WO2019/050998)
[30] US (62/554,530) 2017-09-05
[30] US (62/554,533) 2017-09-05
[30] US (62/569,411) 2017-10-06
[30] US (62/569,403) 2017-10-06
[30] US (62/584,565) 2017-11-10
[30] US (62/593,014) 2017-11-30

[21] **3,074,679**
[13] A1

[51] **Int.Cl. B32B 15/08 (2006.01) E04B 1/94 (2006.01)**
[25] EN
[54] **FLAME RETARDANT METAL-RESIN COMPOSITE MATERIAL**
[54] **MATERIAU COMPOSITE METAL-RESINE IGNIFUGE**
[72] MURAKI, KAZUHIRO, JP
[72] YANAI, EIJI, JP
[71] MITSUBISHI CHEMICAL CORPORATION, JP
[85] 2020-03-03
[86] 2019-02-13 (PCT/JP2019/004986)
[87] (WO2019/159929)

[21] **3,074,680**
[13] A1

[51] **Int.Cl. A61B 5/11 (2006.01) A61B 5/113 (2006.01) G06F 3/01 (2006.01)**
[25] EN
[54] **MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE**
[72] AUERBACH, DITZA, IL
[72] TEREM, MENASHE, IL
[71] BREATHEVISION LTD., IL
[85] 2020-03-03
[86] 2018-09-05 (PCT/IL2018/050992)
[87] (WO2019/049137)
[30] US (62/554,250) 2017-09-05
[30] US (62/624,247) 2018-01-31
[30] US (62/674,079) 2018-05-21

[21] **3,074,681**
[13] A1

[51] **Int.Cl. E21B 43/267 (2006.01) C09K 8/80 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PREPARING PROPPANT SLURRIES**
[54] **PROCEDES ET SYSTEMES DE PREPARATION DE BOUILLIES D'AGENT DE SOUTENEMENT**
[72] MCCABE, MICHAEL A., US
[72] COMBS, STANLEY C., US
[72] MENDENALL, PAUL LEWIS, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-03-03
[86] 2017-11-14 (PCT/US2017/061451)
[87] (WO2019/098987)

[21] **3,074,682**
[13] A1

[51] **Int.Cl. C07K 14/47 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SOLUTE CARRIER FAMILY 14 MEMBER 1 (SLC14A1) VARIANTS AND USES THEREOF**
[54] **VARIANTS DU MEMBRE 1 DE LA FAMILLE 14 DES TRANSPORTEURS DE SOLUTES (SLC14A1) ET LEURS UTILISATIONS**
[72] TESLOVICH DOSTAL, TONYA, US
[72] BACKMAN, JOSHUA, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2020-03-02
[86] 2018-09-06 (PCT/US2018/049674)
[87] (WO2019/051033)
[30] US (62/555,440) 2017-09-07

[21] **3,074,683**
[13] A1

[51] **Int.Cl. G01V 5/10 (2006.01) G01V 5/12 (2006.01)**
[25] EN
[54] **REAL-TIME OUTPUT CORRECTION OF DETECTOR OUTPUTS RESULTING FROM AZIMUTHAL X-RAY SOURCE VARIATIONS USING MONITORING DETECTORS**
[54] **CORRECTION DE SORTIE EN TEMPS REEL DE SORTIES DE DETECTEUR RESULTANT DE VARIATIONS DE SOURCE DE RAYONS X AZIMUTALE AU MOYEN DE DETECTEURS DE SURVEILLANCE**
[72] TEAGUE, PHILIP, US
[72] STEWART, ALEX, US
[71] TEAGUE, PHILIP, US
[71] STEWART, ALEX, US
[85] 2020-03-03
[86] 2018-09-06 (PCT/US2018/049718)
[87] (WO2019/051066)
[30] US (62/554,797) 2017-09-06
[30] US (16/123,511) 2018-09-06

Demandes PCT entrant en phase nationale

[21] **3,074,684**
[13] A1

[51] **Int.Cl. G01N 33/48 (2006.01) G01N 33/483 (2006.01) G01N 33/574 (2006.01)**

[25] EN

[54] **METHOD FOR DIAGNOSING PANCREATIC CANCER USING METHIONYL-TRNA SYNTHETASE, AND PANCREATIC CANCER DIAGNOSTIC KIT USING SAME**

[54] **METHODE DE DIAGNOSTIC DU CANCER DU PANCREAS A L'AIDE DE METHIONYL-ARNT SYNTHETASE, ET KIT DE DIAGNOSTIC DU CANCER DU PANCREAS L'UTILISANT**

[72] KIM, SUNGHOON, KR
[72] KWON, NAM HOON, KR
[72] LEE, DONG KI, KR
[72] LIM, BEOM JIN, KR
[72] JANG, SUNG ILL, KR
[71] ONCOTAG DIAGNOSTICS CO., LTD., KR

[85] 2020-03-03
[86] 2018-09-05 (PCT/KR2018/010369)
[87] (WO2019/050275)
[30] KR (10-2017-0113255) 2017-09-05

[21] **3,074,685**
[13] A1

[51] **Int.Cl. A61B 34/30 (2016.01) A61B 46/10 (2016.01) A61B 17/00 (2006.01) A61B 17/29 (2006.01)**

[25] EN

[54] **ENERGY DISCONNECT FOR ROBOTIC SURGICAL ASSEMBLIES**

[54] **DECONNEXION D'ENERGIE POUR ENSEMBLES CHIRURGICAUX ROBOTIQUES**

[72] ROCKROHR, BRIAN, US
[72] KAPADIA, JAIMEEN, US
[72] TAYLOR, ERIC, US
[71] COVIDIEN LP, US

[85] 2020-03-03
[86] 2018-09-06 (PCT/US2018/049632)
[87] (WO2019/051004)
[30] US (62/555,936) 2017-09-08

[21] **3,074,686**
[13] A1

[51] **Int.Cl. A47L 13/59 (2006.01)**

[25] EN

[54] **MOP WRINGERS AND BUCKET POSITIONING APPARATUS**

[54] **ESSOREUSES DE SERPILLIERE ET APPAREIL DE POSITIONNEMENT DE SEAU**

[72] LECOMPTE, PHILLIP, US
[72] STEWART, KRISTIN, US
[71] MICRONOVA MANUFACTURING, INC., US

[85] 2020-03-03
[86] 2018-09-05 (PCT/US2018/049563)
[87] (WO2019/050961)
[30] US (62/554,510) 2017-09-05

[21] **3,074,687**
[13] A1

[51] **Int.Cl. E04B 1/94 (2006.01)**

[25] EN

[54] **AN IMPROVED FIRE-STOP INSERT**

[54] **INSERT COUPE-FEU AMELIORE**

[72] ARCHER, RILEY, US
[72] GRODJESK, HARVEY STEVEN, US
[72] CLARK, GARY, US
[72] MARTINELLI, ROBERT, US
[71] RECTORSEAL, LLC, US

[85] 2020-03-03
[86] 2018-09-25 (PCT/US2018/052618)
[87] (WO2019/108295)
[30] US (62/708,052) 2017-11-30

[21] **3,074,688**
[13] A1

[51] **Int.Cl. C07D 493/04 (2006.01) A61K 31/352 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **THAILANSTATIN ANALOGS**

[54] **ANALOGUES DE THAILANSTATINE**

[72] JAMMALAMADAKA, VASU, US
[72] TIPTON, KIMBERLY ANN, US
[72] SATYAL, SANJEEV, US
[72] HUH, HOYOUNG, US
[71] PH PHARMA CO., LTD., KR

[85] 2020-03-03
[86] 2018-09-19 (PCT/US2018/051721)
[87] (WO2019/060398)
[30] US (62/561,060) 2017-09-20
[30] US (62/686,781) 2018-06-19

[21] **3,074,689**
[13] A1

[51] **Int.Cl. C12Q 1/6869 (2018.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR NON-INVASIVE PREIMPLANTATION GENETIC DIAGNOSIS**

[54] **SYSTEMES ET PROCEDES POUR UN DIAGNOSTIC GENETIQUE PREIMPLANTATOIRE NON EFFRACTIF**

[72] MUNNE-BLANCO, SANTIAGO, US
[72] BABARIYA, DHRUTI ASHOKBHAI, US
[72] MANOHARAN, ARUN PRASAD, US
[72] WELLS, DAGAN, GB
[71] COOPERGENOMICS, INC., US

[85] 2020-03-03
[86] 2018-09-07 (PCT/US2018/049976)
[87] (WO2019/051244)
[30] US (62/555,466) 2017-09-07

[21] **3,074,690**
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 9/00 (2006.01) A61K 31/4427 (2006.01) A61K 31/497 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **SHP2 INHIBITOR COMPOSITIONS AND METHODS FOR TREATING CANCER**

[54] **COMPOSITIONS D'INHIBITEUR DE LA SHP2 ET METHODES DE TRAITEMENT DU CANCER**

[72] NICHOLS, ROBERT J., US
[72] GOLDSMITH, MARK A., US
[72] SCHULZE, CHRISTOPHER, US
[72] SMITH, JACQUELINE, US
[72] WILDES, DAVID E., US
[72] KELSEY, STEPHEN, US
[72] SINGH, MALLIKA, US
[71] REVOLUTION MEDICINES, INC., US

[85] 2020-03-03
[86] 2018-09-06 (PCT/US2018/049744)
[87] (WO2019/051084)
[30] US (62/555,400) 2017-09-07
[30] US (62/558,255) 2017-09-13
[30] US (62/653,831) 2018-04-06
[30] US (62/681,001) 2018-06-05

PCT Applications Entering the National Phase

[21] **3,074,691**
[13] A1

[51] **Int.Cl. H04W 28/12 (2009.01) H04L 1/08 (2006.01) H04W 80/02 (2009.01) H04W 88/08 (2009.01)**

[25] EN

[54] **PACKET DUPLICATION ACTIVATION SIGNALING**

[54] **SIGNALISATION D'ACTIVATION DE DUPLICATION DE PAQUETS**

[72] PARK, KYUNGMIN, US

[72] DINAN, ESMAEL, US

[72] BABAEI, ALIREZA, US

[72] JEON, HYOUNGSUK, US

[72] ZHOU, HUA, US

[71] OFINNO, LLC, US

[85] 2020-03-03

[86] 2018-09-28 (PCT/US2018/053533)

[87] (WO2019/067970)

[30] US (62/564,738) 2017-09-28

[30] US (62/564,720) 2017-09-28

[21] **3,074,692**
[13] A1

[51] **Int.Cl. A61K 6/00 (2020.01)**

[25] EN

[54] **ORTHODONTIC ADHESIVES AND METHODS OF USING SAME**

[54] **ADHESIFS ORTHODONTIQUES ET LEURS PROCEDES D'UTILISATION**

[72] GRANDE, JESSICA ELIVIER, US

[72] ALAUDDIN, SAMMEL SHAHRIER, US

[71] ORMCO CORPORATION, US

[85] 2020-03-03

[86] 2018-09-07 (PCT/US2018/049937)

[87] (WO2019/051215)

[30] US (15/699,230) 2017-09-08

[21] **3,074,693**
[13] A1

[51] **Int.Cl. G02C 7/04 (2006.01)**

[25] EN

[54] **DYNAMIC TEAR LENSES**

[54] **LENTILLES LACRYMALES DYNAMIQUES**

[72] RAFAELI, OMER, IL

[72] DE JUAN, EUGENE, JR., IL

[72] ALSTER, YAIR, IL

[72] PINTEL, OFER, IL

[72] CLARKE, MATT, US

[71] PRES-BY VISION LTD., IL

[85] 2020-03-03

[86] 2018-05-01 (PCT/US2018/030502)

[87] (WO2018/204395)

[30] US (62/492,780) 2017-05-01

[21] **3,074,694**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 9/22 (2006.01) A61P 25/04 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITIONS COMPRISING DELAYED RELEASE GELLING AGENT COMPOSITIONS**

[54] **COMPOSITIONS PHARMACEUTIQUES COMPRENANT DES COMPOSITIONS D'AGENT GELIFIANT**

[72] DESAI, MEET, US

[72] HUANG, HUGH HAIYONG, US

[71] PURDUE PHARMA L.P., US

[85] 2020-03-03

[86] 2018-10-01 (PCT/US2018/053755)

[87] (WO2019/070581)

[30] US (62/566,989) 2017-10-02

[21] **3,074,695**
[13] A1

[51] **Int.Cl. F42B 5/02 (2006.01) F42B 10/02 (2006.01) F42B 10/38 (2006.01) F42B 30/02 (2006.01) F42B 33/00 (2006.01)**

[25] EN

[54] **ENHANCED PROJECTILE, CARTRIDGE AND METHOD FOR CREATING PRECISION RIFLE AMMUNITION WITH MORE UNIFORM EXTERNAL BALLISTIC PERFORMANCE AND ENHANCED TERMINAL BALLISTIC PERFORMANCE**

[54] **PROJECTILE AMELIORE, CARTOUCHE ET PROCEDE POUR CREER UNE MUNITION DE FUSIL DE PRECISION PRESENTANT DES PERFORMANCES BALISTIQUES EXTERNES PLUS UNIFORMES ET DES PERFORMANCES BALISTIQUES TERMINALES AMELIOREES**

[72] TUBB, G. DAVID, US

[72] ZERR, RONALD L., US

[71] SUPERIOR SHOOTING SYSTEMS, INC. (TX CORP.), US

[85] 2020-03-03

[86] 2018-06-26 (PCT/US2018/039602)

[87] (WO2019/010040)

[30] US (62/525,185) 2017-06-26

[21] **3,074,696**
[13] A1

[51] **Int.Cl. A61M 25/10 (2013.01)**

[25] EN

[54] **NON-OCCLUDING BALLOON FOR CARDIOVASCULAR DRUG DELIVERY**

[54] **BALLONNET NON OCCLUSIF POUR ADMINISTRATION DE MEDICAMENT CARDIOVASCULAIRE**

[72] SITHARAM, RAMANATH VIJAY, US

[72] WILLIAMS, BRETT ALLYN, US

[71] ANLVR, LLC, US

[85] 2020-03-03

[86] 2018-10-02 (PCT/US2018/053859)

[87] (WO2019/070637)

[30] US (62/566,978) 2017-10-02

[30] US (16/148,221) 2018-10-01

[21] **3,074,697**
[13] A1

[51] **Int.Cl. A61B 18/14 (2006.01) A61B 18/00 (2006.01)**

[25] EN

[54] **DEVICES AND METHODS FOR TREATING LUNG TUMORS**

[54] **DISPOSITIFS ET PROCEDES POUR LE TRAITEMENT DU CANCER DU POUMON**

[72] PANESCU, DORIN, US

[72] RAINA, SHASHANK, US

[72] GELFAND, MARK, US

[72] LEUNG, MARK, US

[72] VELILLA, SIMPLICIO, US

[71] ZIDAN MEDICAL, INC., US

[85] 2020-03-03

[86] 2018-09-07 (PCT/US2018/049991)

[87] (WO2019/051251)

[30] US (62/555,675) 2017-09-08

[30] US (62/631,225) 2018-02-15

[30] US (62/650,246) 2018-03-29

[30] CN (201810310511.1) 2018-04-09

Demandes PCT entrant en phase nationale

[21] **3,074,698**
[13] A1

[51] **Int.Cl. B64G 1/10 (2006.01) B64D 47/08 (2006.01) G01C 11/02 (2006.01) G02B 27/64 (2006.01)**

[25] EN
[54] **OFFLOAD ADJUSTMENT FOR SATELLITE IMAGE DIVERSITY**
[54] **REGLAGE DE DELESTAGE PERMETTANT LA DIVERSITE D'IMAGES PAR SATELLITE**

[72] LEATHAM, JAMES, US
[72] JENKINS, MATTHEW E., US
[72] JOHNSON, TIM, US
[71] RAYTHEON COMPANY, US
[85] 2020-03-03
[86] 2018-07-18 (PCT/US2018/042755)
[87] (WO2019/055122)
[30] US (15/707,994) 2017-09-18

[21] **3,074,699**
[13] A1

[51] **Int.Cl. G01S 7/481 (2006.01) G01S 17/02 (2020.01)**

[25] EN
[54] **LIDAR WITH CO-ALIGNED TRANSMIT AND RECEIVE PATHS**
[54] **LIDAR A TRAJETS D'EMISSION ET DE RECEPTION COALIGNES**

[72] DROZ, PIERRE-YVES, US
[72] HUTCHISON, DAVID NEIL, US
[72] SHEPARD, RALPH HAMILTON, US
[72] GOLSHAN, NATHANIEL, US
[71] WAYMO LLC, US
[85] 2020-03-03
[86] 2018-08-03 (PCT/US2018/045109)
[87] (WO2019/050644)
[30] US (15/695,755) 2017-09-05

[21] **3,074,700**
[13] A1

[51] **Int.Cl. G02B 6/44 (2006.01)**

[25] EN
[54] **OPTICAL FIBER CABLE**
[54] **CABLE A FIBRE OPTIQUE**

[72] OHNO, MASATOSHI, JP
[72] TOMIKAWA, KOUJI, JP
[72] OSATO, KEN, JP
[72] TANIOKA, HIROAKI, JP
[72] TETSUTANI, SHIGEKATSU, JP
[72] ENDO, YOHEI, JP
[72] MARUO, YUTA, JP
[71] FUJIKURA LTD., JP
[71] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP
[85] 2020-03-03
[86] 2018-12-11 (PCT/JP2018/045439)
[87] (WO2019/124157)
[30] JP (2017-245226) 2017-12-21

[21] **3,074,701**
[13] A1

[51] **Int.Cl. H04N 19/105 (2014.01) H04N 19/137 (2014.01) H04N 19/176 (2014.01) H04N 19/52 (2014.01) H04N 19/54 (2014.01)**

[25] EN
[54] **CODING AFFINE PREDICTION MOTION INFORMATION FOR VIDEO CODING**
[54] **CODAGE D'INFORMATIONS DE MOUVEMENT DE PREDICTION AFFINE POUR CODAGE VIDEO**

[72] ZHANG, KAI, US
[72] CHEN, JIANLE, US
[72] LI, XIANG, US
[72] CHIEN, WEI-JUNG, US
[72] CHEN, YI-WEN, US
[72] ZHANG, LI, US
[72] KARCZEWICZ, MARTA, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-03-03
[86] 2018-10-02 (PCT/US2018/053936)
[87] (WO2019/070683)
[30] US (62/567,598) 2017-10-03
[30] US (16/148,738) 2018-10-01

[21] **3,074,702**
[13] A1

[51] **Int.Cl. B60R 19/48 (2006.01) A47L 9/00 (2006.01) G05D 1/02 (2020.01)**

[25] EN
[54] **ROBOTIC CLEANER**
[54] **ROBOT NETTOYEUR**

[72] LIGGETT, MELINDA L., US
[72] KAMADA, ISAKU D., US
[72] HOPKE, FREDERICK K., US
[72] HUAT, GAN SIN, CN
[72] FIEBIG, CHARLES, US
[72] CONNOR, SCOTT, US
[72] AI, ALAN, CN
[71] SHARKNINJA OPERATING LLC, US
[85] 2020-03-03
[86] 2018-08-10 (PCT/US2018/046218)
[87] (WO2019/050655)
[30] US (62/555,468) 2017-09-07
[30] US (62/713,207) 2018-08-01

[21] **3,074,703**
[13] A1

[51] **Int.Cl. C08B 37/00 (2006.01) A61K 39/09 (2006.01) A61K 39/385 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01) C12P 19/04 (2006.01)**

[25] EN
[54] **PNEUMOCOCCAL POLYSACCHARIDES AND THEIR USE IN IMMUNOGENIC POLYSACCHARIDE-CARRIER PROTEIN CONJUGATES**
[54] **POLYSACCHARIDES ANTIPNEUMOCOCCIQUES ET LEUR UTILISATION DANS DES CONJUGUES IMMUNOGENES POLYSACCHARIDE-PROTEINE PORTEUSE**

[72] PORAMBO, RICHARD J., US
[72] ABEYGUNAWARDANA, CHITRANANDA, US
[72] MUSEY, LUWY KAVUKA, US
[72] KOSINSKI, MICHAEL J., US
[72] CUI, YADONG ADAM, US
[71] MERCK SHARP & DOHME CORP., US
[85] 2020-03-03
[86] 2018-09-04 (PCT/US2018/049305)
[87] (WO2019/050813)
[30] US (62/555,451) 2017-09-07

[21] **3,074,704**
[13] A1

[51] **Int.Cl. C10M 169/04 (2006.01) C10M 101/02 (2006.01) H01B 3/22 (2006.01)**

[25] EN
[54] **HYDROCARBON FLUIDS AND USES THEREOF**
[54] **FLUIDE HYDROCARBONE ET UTILISATIONS DE CELUI-CI**

[72] YOHE, SARA L., US
[72] KITTS, GREGORY D., US
[72] SAPLIS, RICHARD J., US
[72] BIEN, DANIEL, BE
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2020-03-03
[86] 2018-09-10 (PCT/US2018/050233)
[87] (WO2019/051391)
[30] US (62/556,571) 2017-09-11
[30] EP (18160969.4) 2018-03-09

PCT Applications Entering the National Phase

[21] **3,074,706**
[13] A1

[51] **Int.Cl. C08B 37/00 (2006.01) A61K 39/09 (2006.01) A61K 39/385 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01) C12P 19/04 (2006.01)**

[25] EN

[54] **PNEUMOCOCCAL POLYSACCHARIDES AND THEIR USE IN IMMUNOGENIC POLYSACCHARIDE-CARRIER PROTEIN CONJUGATES**

[54] **POLYSACCHARIDES ANTIPNEUMOCOCCIQUES ET LEUR UTILISATION DANS DES CONJUGUES IMMUNOGENES POLYSACCHARIDE-PROTEINE PORTEUSE**

[72] PORAMBO, RICHARD J., US
[72] ABEYGUNAWARDANA, CHITRANANDA, US
[72] MUSEY, LUWY KAVUKA, US
[72] KOSINSKI, MICHAEL J., US
[72] CUI, YADONG ADAM, US
[72] SKINNER, JULIE MARIE, US
[71] MERCK SHARP & DOHME CORP., US
[85] 2020-03-03
[86] 2018-09-04 (PCT/US2018/049306)
[87] (WO2019/050814)
[30] US (62/555,455) 2017-09-07

[21] **3,074,707**
[13] A1

[51] **Int.Cl. H04W 4/90 (2018.01) H04W 4/02 (2018.01) H04W 92/24 (2009.01)**

[25] EN

[54] **EDGE-BASED LOCATION-SPECIFIC WARNING SYSTEM FOR LTE NETWORKS**

[54] **SYSTEME D'AVERTISSEMENT SPECIFIQUE A UN EMPLACEMENT A BASE DE PERIPHERIQUE POUR RESEAUX LTE**

[72] HENKLE, PATRICK, US
[72] AGRAWAL, VISHAL, US
[72] COURINGTON, JEFFREY, US
[72] LANDRY, TODD, US
[72] ESWARAVAKA, SASI, US
[72] BLASKO, JOHN, US
[72] TURNER, STEPHEN, US
[71] JOHN MEZZALINGUA ASSOCIATES, LLC, US
[85] 2020-03-03
[86] 2018-09-11 (PCT/US2018/050495)
[87] (WO2019/055425)
[30] US (62/557,288) 2017-09-12

[21] **3,074,708**
[13] A1

[51] **Int.Cl. C08B 37/00 (2006.01) A61K 39/09 (2006.01) A61K 39/385 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01) C12P 19/04 (2006.01)**

[25] EN

[54] **PNEUMOCOCCAL POLYSACCHARIDES AND THEIR USE IN IMMUNOGENIC POLYSACCHARIDE-CARRIER PROTEIN CONJUGATES**

[54] **POLYSACCHARIDES ANTIPNEUMOCOCCIQUES ET LEUR UTILISATION DANS DES CONJUGUES IMMUNOGENES POLYSACCHARIDE-PROTEINE PORTEUSE**

[72] PORAMBO, RICHARD J., US
[72] ABEYGUNAWARDANA, CHITRANANDA, US
[72] MUSEY, LUWY KAVUKA, US
[72] KOSINSKI, MICHAEL J., US
[72] CUI, YADONG ADAM, US
[72] MCHUGH, PATRICK, US
[72] KONIETZKO, JANELLE, US
[71] MERCK SHARP & DOHME CORP., US
[85] 2020-03-03
[86] 2018-09-04 (PCT/US2018/049308)
[87] (WO2019/050815)
[30] US (62/555,461) 2017-09-07
[30] US (62/645,252) 2018-03-20

[21] **3,074,709**
[13] A1

[51] **Int.Cl. H04L 9/00 (2006.01) H04L 9/30 (2006.01) H04L 9/32 (2006.01)**

[25] EN

[54] **MOBILE AUTHENTICATION INTEROPERABILITY FOR DIGITAL CERTIFICATES**

[54] **INTEROPERABILITE D'AUTHENTIFICATION MOBILE POUR CERTIFICATS NUMERIQUES**

[72] QUERALT, MICHAEL, US
[72] TOLBERT, JOHN W., US
[71] QUERALT, INC., US
[85] 2020-03-03
[86] 2018-10-05 (PCT/US2018/054670)
[87] (WO2019/103794)
[30] US (15/819,605) 2017-11-21

[21] **3,074,711**
[13] A1

[51] **Int.Cl. C08B 37/00 (2006.01) A61K 47/64 (2017.01) A61K 39/085 (2006.01) A61K 39/385 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01) C12P 19/04 (2006.01)**

[25] EN

[54] **PNEUMOCOCCAL POLYSACCHARIDES AND THEIR USE IN IMMUNOGENIC POLYSACCHARIDE-CARRIER PROTEIN CONJUGATES**

[54] **POLYSACCHARIDES ANTIPNEUMOCOCCIQUES ET LEUR UTILISATION DANS DES CONJUGUES IMMUNOGENES POLYSACCHARIDE-PROTEINE PORTEUSE**

[72] PORAMBO, RICHARD J., US
[72] ABEYGUNAWARDANA, CHITRANANDA, US
[72] MUSEY, LUWY KAVUKA, US
[72] KOSINSKI, MICHAEL J., US
[72] CUI, YADONG ADAM, US
[71] MERCK SHARP & DOHME CORP., US
[85] 2020-03-03
[86] 2018-09-04 (PCT/US2018/049309)
[87] (WO2019/050816)
[30] US (62/555,479) 2017-09-07

[21] **3,074,712**
[13] A1

[51] **Int.Cl. A61K 35/14 (2015.01) A61K 9/19 (2006.01) A61P 7/04 (2006.01)**

[25] EN

[54] **CANINE BLOOD PLATELET PREPARATIONS**

[54] **PREPARATIONS DE PLAQUETTES SANGUINES CANINES**

[72] HALE, ANNE S., US
[72] JORDA, RAFAEL, US
[72] MOSKOWITZ, KEITH, US
[71] CELLPHIRE, INC., US
[85] 2020-03-03
[86] 2018-09-13 (PCT/US2018/050924)
[87] (WO2019/055683)
[30] US (62/558,050) 2017-09-13
[30] US (62/684,008) 2018-06-12

Demandes PCT entrant en phase nationale

[21] **3,074,713**
[13] A1

[51] **Int.Cl. C11D 3/40 (2006.01) C11D 3/42 (2006.01) C11D 11/00 (2006.01)**

[25] EN

[54] **METHODS OF USING LEUCO COLORANTS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS**

[54] **PROCEDES D'UTILISATION DE LEUCO COLORANTS COMME PRODUITS D'AZURAGE DANS DES COMPOSITIONS D'ENTRETIEN DU LINGE**

[72] MIRACLE, GREGORY SCOT, US

[72] DITULLIO, DANIEL DALE JR., US

[72] FREUND, WESLEY A., US

[72] QIN, HAIHU, US

[72] DEY, SANJEEV KUMAR, US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2020-03-03

[86] 2018-10-11 (PCT/US2018/055318)

[87] (WO2019/075142)

[30] US (62/571,285) 2017-10-12

[30] US (62/596,127) 2017-12-08

[21] **3,074,714**
[13] A1

[51] **Int.Cl. A61K 39/02 (2006.01) A61K 39/085 (2006.01) A61K 39/116 (2006.01)**

[25] EN

[54] **PROCESSES FOR THE FORMULATION OF PNEUMOCOCCAL POLYSACCHARIDES FOR CONJUGATION TO A CARRIER PROTEIN**

[54] **PROCEDES DE FORMULATION DE POLYSACCHARIDES PNEUMOCOCCIQUES POUR CONJUGAISON A UNE PROTEINE PORTEUSE**

[72] MCHUGH, PATRICK, US

[72] WINTERS, MICHAEL ALBERT, US

[72] KONIETZKO, JANELLE, US

[71] MERCK SHARP & DOHME CORP., US

[85] 2020-03-03

[86] 2018-09-04 (PCT/US2018/049311)

[87] (WO2019/050818)

[30] US (62/555,485) 2017-09-07

[21] **3,074,715**
[13] A1

[51] **Int.Cl. A61K 51/08 (2006.01) A61K 51/10 (2006.01) C12N 15/07 (2006.01)**

[25] EN

[54] **MELANIN ANTIBODIES AND USES THEREOF**

[54] **ANTICORPS ANTI-MELANINE ET LEURS UTILISATIONS**

[72] DADACHOVA, EKATERINA, CA

[72] RICKLES, DAVID J., US

[71] RADIMMUNE THERAPEUTICS, INC., US

[85] 2020-03-03

[86] 2018-09-13 (PCT/US2018/050955)

[87] (WO2019/055706)

[30] US (62/558,230) 2017-09-13

[21] **3,074,716**
[13] A1

[51] **Int.Cl. H01Q 1/46 (2006.01) H01Q 1/00 (2006.01) H04N 5/225 (2006.01)**

[25] EN

[54] **CABLE MANAGEMENT FLOOR SYSTEM**

[54] **SYSTEME DE PLANCHER DE GESTION DE CABLES**

[72] GEERTGENS, EARL, US

[72] GEERTGENS, TAMA, US

[71] FREEAXEZ LLC, US

[85] 2020-03-03

[86] 2018-09-04 (PCT/US2018/049313)

[87] (WO2019/050820)

[30] US (15/695,462) 2017-09-05

[21] **3,074,717**
[13] A1

[51] **Int.Cl. C07C 69/54 (2006.01) C07C 29/09 (2006.01) C07C 31/04 (2006.01) C07C 45/51 (2006.01) C07C 47/22 (2006.01) C07C 67/39 (2006.01)**

[25] EN

[54] **METHOD FOR RECOVERY OF METHACROLEIN AND METHANOL FROM METHACROLEIN DIMETHYLACETAL**

[54] **PROCEDE DE RECUPERATION DE METHACROLEINE ET DE METHANOL A PARTIR DE METHACROLEINE DIMETHYLACETAL**

[72] SOPCHIK, ALAN E., US

[72] WORLEY, WILLIAM G., US

[72] SHAH, RAJESH, US

[71] DOW GLOBAL TECHNOLOGIES LLC, US

[71] ROHM AND HAAS COMPANY, US

[85] 2020-03-03

[86] 2018-09-04 (PCT/US2018/049336)

[87] (WO2019/050830)

[30] US (62/556,527) 2017-09-11

[21] **3,074,718**
[13] A1

[51] **Int.Cl. C12N 1/21 (2006.01) C07K 1/14 (2006.01) C07K 14/195 (2006.01) C12N 1/20 (2006.01) C12N 9/18 (2006.01) C12N 9/20 (2006.01) C12N 15/31 (2006.01) C12N 15/55 (2006.01) C12N 15/63 (2006.01) C12N 15/70 (2006.01) C12P 21/02 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR IMPROVED EXPRESSION OF RECOMBINANT PROTEINS**

[54] **PROCEDES ET COMPOSITIONS DESTINES A L'EXPRESSION AMELIOREE DE PROTEINES RECOMBINANTES**

[72] BLATTNER, FREDERICK R., US

[72] NOVY, ROBERT E., US

[72] FRISCH, DAVID A., US

[72] LANDRY, CHARLES, US

[72] CHOI, HYUNSIK, US

[72] STEFFEN, ERIC A., US

[72] BRANDON, JOHN, US

[71] SCARAB GENOMICS, LLC, US

[85] 2020-03-03

[86] 2018-09-04 (PCT/US2018/049422)

[87] (WO2019/050872)

[30] US (62/554,443) 2017-09-05

PCT Applications Entering the National Phase

[21] **3,074,719**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01)**

[25] EN

[54] **SUBSTITUTED PYRROLOPYRIDINES AS ATR INHIBITORS**

[54] **PYRROLOPYRIDINES SUBSTITUEES UTILISEES EN TANT QU'INHIBITEURS D'ATR**

[72] LI, XIANG, US

[71] BLUEVALLEY PHARMACEUTICAL LLC, US

[85] 2020-03-03

[86] 2018-09-05 (PCT/US2018/049460)

[87] (WO2019/050889)

[30] US (62/555,645) 2017-09-08

[30] US (62/616,642) 2018-01-12

[21] **3,074,720**
[13] A1

[51] **Int.Cl. A61K 31/4433 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **COMBINATION THERAPY FOR TREATING CANCER**

[54] **POLYTHERAPIE POUR LE TRAITEMENT DU CANCER**

[72] RAIMONDI, MARIA ALEJANDRA, US

[72] BRACH, DOROTHY, US

[71] EPIZYME, INC., US

[85] 2020-03-03

[86] 2018-09-05 (PCT/US2018/049516)

[87] (WO2019/050924)

[30] US (62/554,484) 2017-09-05

[21] **3,074,721**
[13] A1

[51] **Int.Cl. C12P 7/08 (2006.01) C12P 7/10 (2006.01) C12P 7/12 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR PROPAGATION OF A MICROORGANISM USING A PULP MILL AND/OR A PAPER MILL WASTE BY-PRODUCT, AND RELATED METHODS AND SYSTEMS**

[54] **PROCEDES ET SYSTEMES POUR LA PROPAGATION D'UN MICRO-ORGANISME A L'AIDE D'UN SOUS-PRODUIT DE DECHET D'UN BROYEUR A PATE ET/OU D'UN BROYEUR A PAPIER ET PROCEDES ET SYSTEMES ASSOCIES**

[72] SARCS, CORY J., US

[72] JOHNSON, ALEX C., US

[72] SLUPSKA, MALGORZATA M., US

[72] KARL, ZACHARY J., US

[72] EICHMANN, MELANIE A., US

[71] POET RESEARCH, INC., US

[85] 2020-03-03

[86] 2018-09-05 (PCT/US2018/049562)

[87] (WO2019/050960)

[30] US (62/554,430) 2017-09-05

[30] US (62/554,434) 2017-09-05

[21] **3,074,722**
[13] A1

[51] **Int.Cl. G06N 99/00 (2019.01) H01P 3/02 (2006.01) H01P 7/08 (2006.01)**

[25] EN

[54] **HYBRID KINETIC INDUCTANCE DEVICES FOR SUPERCONDUCTING QUANTUM COMPUTING**

[54] **DISPOSITIFS A INDUCTANCE CINETIQUE HYBRIDE POUR LE CALCUL QUANTIQUE SUPRACONDUCTEUR**

[72] WHITE, THEODORE CHARLES, US

[72] MEGRANT, ANTHONY EDWARD, US

[71] GOOGLE LLC, US

[85] 2020-03-04

[86] 2017-09-13 (PCT/US2017/051366)

[87] (WO2019/055002)

[21] **3,074,723**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 38/46 (2006.01) A61K 48/00 (2006.01) A61P 21/00 (2006.01) C12N 9/22 (2006.01) C12N 15/00 (2006.01) C12N 15/09 (2006.01) C12N 15/11 (2006.01) C12N 15/12 (2006.01) C12N 15/85 (2006.01) C12N 15/864 (2006.01)**

[25] EN

[54] **SILENCING OF DUX4 BY RECOMBINANT GENE EDITING COMPLEXES**

[54] **SILENCAGE DE DUX4 PAR DES COMPLEXES D'EDITION DE GENE RECOMBINANT**

[72] JONES, PETER L., US

[72] HIMEDA, CHARIS L., US

[72] JONES, TAKAKO, US

[71] UNIVERSITY OF MASSACHUSETTS, US

[85] 2020-03-04

[86] 2017-09-22 (PCT/US2017/052919)

[87] (WO2018/057863)

[30] US (62/398,801) 2016-09-23

[21] **3,074,724**
[13] A1

[51] **Int.Cl. A47K 10/38 (2006.01) A47K 10/32 (2006.01)**

[25] EN

[54] **DISPENSER**

[54] **DISTRIBUTEUR**

[72] MCCACHREN, BRIAN C., US

[72] THOMSON, ANDREW J., US

[71] KIMBERLY-CLARK WORLDWIDE, INC., US

[85] 2020-03-04

[86] 2017-09-27 (PCT/US2017/053728)

[87] (WO2019/066806)

[21] **3,074,725**
[13] A1

[51] **Int.Cl. F21V 8/00 (2006.01) G02B 27/42 (2006.01)**

[25] EN

[54] **MULTICOLOR STATIC MULTIVIEW DISPLAY AND METHOD**

[54] **DISPOSITIF D'AFFICHAGE MULTI-VUES STATIQUE MULTICOLORE ET PROCEDE ASSOCIE**

[72] FATTAL, DAVID A., US

[71] LEIA INC., US

[85] 2020-03-04

[86] 2017-09-27 (PCT/US2017/053824)

[87] (WO2019/066819)

Demandes PCT entrant en phase nationale

[21] **3,074,726**
[13] A1

[51] **Int.Cl. F21V 8/00 (2006.01)**
[25] EN
[54] **GRATING-COUPLED LIGHT GUIDE, DISPLAY SYSTEM, AND METHOD EMPLOYING OPTICAL CONCENTRATION**
[54] **GUIDE DE LUMIERE COUPLE AU RESEAU, SYSTEME D'AFFICHAGE ET PROCEDE METTANT EN ŒUVRE UNE CONCENTRATION OPTIQUE**
[72] LI, XUEJIAN, US
[72] FATTAL, DAVID A., US
[72] AIETA, FRANCESCO, US
[71] LEIA INC., US
[85] 2020-03-04
[86] 2017-09-28 (PCT/US2017/054153)
[87] (WO2019/066873)

[21] **3,074,727**
[13] A1

[51] **Int.Cl. G05B 13/04 (2006.01) C25C 3/20 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING HEAT LOSS FROM AN ELECTROLYTIC CELL**
[54] **SYSTEMES ET PROCEDES DE REGULATION DE PERTE DE CHALEUR D'UNE CELLULE ELECTROLYTIQUE**
[72] BAXTER, ROBERT F., CA
[71] BECHTEL MINING & METALS, INC., US
[85] 2020-03-04
[86] 2017-09-29 (PCT/US2017/054265)
[87] (WO2019/066890)

[21] **3,074,728**
[13] A1

[51] **Int.Cl. G02F 1/07 (2006.01) B32B 37/02 (2006.01) G02F 1/1333 (2006.01) G02F 1/1341 (2006.01) G02F 1/1345 (2006.01) G02F 1/167 (2019.01) G03G 17/04 (2006.01) G09G 3/20 (2006.01)**
[25] EN
[54] **PROCESSES FOR PRODUCING ELECTRO-OPTIC DISPLAYS**
[54] **PROCEDES DE PRODUCTION D'AFFICHAGES ELECTRO-OPTIQUES**
[72] BULL, STEPHEN, US
[72] BREWER, DAMIEN, US
[72] ANSETH, JAY WILLIAM, US
[72] PAOLINI, RICHARD J., JR., US
[72] FAUVELL, THOMAS, US
[72] HARRIS, GEORGE G., US
[72] REGAN, MICHAEL THOMAS, US
[71] E INK CORPORATION, US
[85] 2020-03-04
[86] 2017-11-03 (PCT/US2017/059887)
[87] (WO2019/089042)

[21] **3,074,729**
[13] A1

[51] **Int.Cl. G08C 17/02 (2006.01) A61B 5/00 (2006.01) A61B 5/11 (2006.01) G08B 21/04 (2006.01)**
[25] EN
[54] **AUTONOMOUS FALL MONITOR HAVING SENSOR COMPENSATION**
[54] **DISPOSITIF DE SURVEILLANCE DE CHUTE AUTONOME A COMPENSATION DE CAPTEUR**
[72] CLARK, BRIAN R., US
[72] WILES, CHRISTOPHER J., US
[71] BARRON ASSOCIATES, INC., US
[85] 2020-03-04
[86] 2017-12-04 (PCT/US2017/064408)
[87] (WO2018/106562)
[30] US (62/430,043) 2016-12-05

[21] **3,074,730**
[13] A1

[51] **Int.Cl. A45C 11/00 (2006.01) A45C 13/00 (2006.01) A47G 29/00 (2006.01) B64D 11/00 (2006.01)**
[25] EN
[54] **A DEVICE FOR HOLDING AN ITEM DURING TRAVEL, AND RELATED SYSTEMS AND METHODS**
[54] **DISPOSITIF DE RETENUE D'UN ARTICLE PENDANT UN VOYAGE, ET SYSTEMES ET PROCEDES ASSOCIES**
[72] HANSON, TAYLOR, US
[71] HANSON, TAYLOR, US
[85] 2020-03-04
[86] 2018-08-09 (PCT/US2018/045988)
[87] (WO2019/045986)
[30] US (62/551,086) 2017-08-28

[21] **3,074,731**
[13] A1

[51] **Int.Cl. E06B 3/663 (2006.01)**
[25] EN
[54] **THERMALLY EFFICIENT WINDOW FRAME**
[54] **CADRE DE FENETRE A HAUT RENDEMENT THERMIQUE**
[72] MCGLINCHY, TIMOTHY B., US
[72] BRIESE, WILLIAM A., US
[71] GED INTEGRATED SOLUTIONS, INC., US
[85] 2020-03-04
[86] 2018-08-29 (PCT/US2018/048482)
[87] (WO2019/050732)
[30] US (62/554,201) 2017-09-05
[30] US (15/881,114) 2018-01-26

PCT Applications Entering the National Phase

[21] **3,074,732**
[13] A1

[51] **Int.Cl. A61K 31/4178 (2006.01) A61K 31/444 (2006.01) A61K 31/46 (2006.01) A61K 31/5517 (2006.01) A61K 45/06 (2006.01) A61P 21/02 (2006.01) A61P 25/08 (2006.01) A61P 39/02 (2006.01)**

[25] EN

[54] **METHODS OF USING DANTROLENE TO TREAT NERVE AGENT EXPOSURE**

[54] **METHODES D'UTILISATION DU DANTROLENE POUR TRAITER L'EXPOSITION A UN AGENT NEUROTOXIQUE**

[72] HEPNER, ADRIAN, US

[71] EAGLE PHARMACEUTICALS, INC., US

[85] 2020-03-04

[86] 2018-09-05 (PCT/US2018/049515)

[87] (WO2019/050923)

[30] US (62/554,049) 2017-09-05

[30] US (62/674,406) 2018-05-21

[21] **3,074,733**
[13] A1

[51] **Int.Cl. A61L 27/18 (2006.01) A61F 2/00 (2006.01) A61L 27/54 (2006.01) C08L 67/04 (2006.01)**

[25] EN

[54] **CALENDERED SURGICAL MESHES COMPRISING POLYHYDROXYALKANOATES**

[54] **TREILLIS CHIRURGICAUX CALANDRES COMPRENANT DES POLYHYDROXYALCANOATES**

[72] RIZK, SAID, US

[72] SHAH, BHAVIN, US

[72] MARTIN, DAVID P., US

[72] WILLIAMS, SIMON F., US

[71] TEPHA, INC., US

[85] 2020-03-04

[86] 2018-09-05 (PCT/US2018/049530)

[87] (WO2019/050936)

[30] US (62/554,673) 2017-09-06

[21] **3,074,734**
[13] A1

[51] **Int.Cl. G16B 25/00 (2019.01) G16B 20/00 (2019.01) G16B 30/00 (2019.01)**

[25] EN

[54] **HLA TISSUE MATCHING AND METHODS THEREFOR**

[54] **CORRESPONDANCE DE TISSU HLA ET PROCEDES ASSOCIES**

[72] SOON-CHIONG, PATRICK, US

[71] NANT HOLDINGS IP, LLC, US

[85] 2020-03-04

[86] 2018-09-05 (PCT/US2018/049560)

[87] (WO2019/050958)

[30] US (62/554,655) 2017-09-06

[21] **3,074,735**
[13] A1

[51] **Int.Cl. G06F 16/48 (2019.01) G06F 16/68 (2019.01) G10H 7/00 (2006.01)**

[25] EN

[54] **AUDIBLE ACOUSTIC PERFORMANCE TOOL**

[54] **OUTIL DE PERFORMANCE ACOUSTIQUE AUDIBLE**

[72] WOODALL, JOSEPH M., US

[72] BRUMBELOW, JULIE B., US

[72] MORTON, BARRETT R., US

[72] BUTTENHOFF, ALAN, US

[72] HAYWOOD, ROBERT BLANE, US

[72] PEARSON, DAVID, US

[71] SHAW INDUSTRIES GROUP, INC., US

[85] 2020-03-04

[86] 2018-09-05 (PCT/US2018/049573)

[87] (WO2019/050965)

[30] US (62/554,468) 2017-09-05

[21] **3,074,736**
[13] A1

[51] **Int.Cl. A61K 31/137 (2006.01) A61K 31/197 (2006.01) A61K 31/198 (2006.01) A61K 31/44 (2006.01) A61P 1/16 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS OF USE OF GAMMA-KETOALDHEYDE SCAVENGERS FOR TREATING, PREVENTING OR IMPROVING FIBROSIS OF THE LIVER**

[54] **COMPOSITIONS ET METHODES D'UTILISATION DE CAPTEURS DE GAMMA-CETOALDHEYDE POUR TRAITER, PREVENIR OU AMELIORER LA FIBROSE DU FOIE**

[72] RATHMACHER, JOHN, US

[72] ABUMRAD, NAJI, US

[72] FLYNN, CHARLES, US

[71] MTI BIOTECH, INC., US

[85] 2020-03-04

[86] 2018-09-05 (PCT/US2018/049576)

[87] (WO2019/050967)

[30] US (62/554,294) 2017-09-05

[21] **3,074,737**
[13] A1

[51] **Int.Cl. A47J 31/41 (2006.01) A47J 31/46 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR ADJUSTING BREW PARAMETERS DURING DISPENSING**

[54] **PROCEDE ET APPAREIL POUR LE REGLAGE DE PARAMETRES D'INFUSION PENDANT LA DISTRIBUTION**

[72] GODFREY, CHRISTOPHER, US

[72] FUCCI, JOSEPH GEORGE, US

[72] SHEPARD, JAMES E., US

[72] FRANCO, GREGORY, US

[71] KEURIG GREEN MOUNTAIN, INC., US

[85] 2020-03-04

[86] 2018-09-04 (PCT/US2018/049343)

[87] (WO2019/050834)

[30] US (62/554,159) 2017-09-05

Demandes PCT entrant en phase nationale

[21] **3,074,738**
[13] A1

[25] EN
[54] **LEUCO COLORANTS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS**
[54] **LEUCO-COLORANTS EN TANT QU'AGENTS D'AZURAGE DANS DES COMPOSITIONS D'ENTRETIEN DU LINGE**
[72] MIRACLE, GREGORY SCOT, US
[72] VALENTI, DOMINICK JOSEPH, US
[72] DEY, SANJEEV KUMAR, US
[72] QIN, HAIHU, US
[72] FREUD, WESLEY A., US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-03-03
[86] 2018-10-11 (PCT/US2018/055319)
[87] (WO2019/075143)
[30] US (62/571,286) 2017-10-12
[30] US (62/596,128) 2016-12-08

[21] **3,074,739**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61K 31/7105 (2006.01) A61K 31/712 (2006.01) A61K 31/7125 (2006.01) C12N 15/11 (2006.01) C07H 21/00 (2006.01) C07H 21/02 (2006.01)**
[25] EN
[54] **MODULATORS OF ENAC EXPRESSION**
[54] **MODULATEURS DE L'EXPRESSION D'ENAC**
[72] CROSBY, JEFFREY R., US
[72] GUO, SHULING, US
[72] BUI, HUYNH-HOA, US
[72] WATT, ANDREW T., US
[72] FREIER, SUSAN M., US
[71] IONIS PHARMACEUTICALS, INC., US
[85] 2020-03-03
[86] 2018-10-31 (PCT/US2018/058354)
[87] (WO2019/089692)
[30] US (62/579,640) 2017-10-31
[30] US (62/743,669) 2018-10-10

[21] **3,074,740**
[13] A1

[51] **Int.Cl. C08B 37/00 (2006.01) C30B 1/10 (2006.01) C30B 29/58 (2006.01)**
[25] EN
[54] **DEACETYLATION AND CROSSLINKING OF CHITIN AND CHITOSAN IN FUNGAL MATERIALS AND THEIR COMPOSITES FOR TUNABLE PROPERTIES**
[54] **DESACETYLATION ET RETICULATION DE CHITINE ET DE CHITOSANE DANS DES MATERIAUX FONGIQUES ET LEURS COMPOSITES POUR DES PROPRIETES AJUSTABLES**
[72] CHASE, JORDAN, US
[72] WENNER, NICHOLAS, US
[72] ROSS, PHILIP, US
[72] TODD, MIKE, US
[71] MYCOWORKS, INC., US
[85] 2020-03-03
[86] 2019-03-14 (PCT/US2019/022346)
[87] (WO2019/178406)
[30] US (62/643,068) 2018-03-14

[21] **3,074,741**
[13] A1

[51] **Int.Cl. B66C 1/18 (2006.01) H04W 4/00 (2018.01) B66F 3/25 (2006.01) G01L 1/22 (2006.01) G08B 21/00 (2006.01) G08B 21/18 (2006.01)**
[25] EN
[54] **STRUCTURAL EQUIPMENT LOAD MONITORING SYSTEM AND METHOD**
[54] **PROCEDE ET SYSTEME DE SURVEILLANCE DE CHARGE D'EQUIPEMENT STRUCTURAL**
[72] D'ELIA, GREGORY, US
[72] ST. GERMAIN, SCOTT, US
[72] CORNEJO, CHRISTIAN, US
[72] ROSS, DAN, US
[71] SLINGMAX TECHNOLOGIES LLC, US
[85] 2020-03-03
[86] 2019-07-25 (PCT/US2019/043415)
[87] (WO2020/023732)
[30] US (62/703,003) 2018-07-25
[30] US (62/797,448) 2019-01-28

[21] **3,074,742**
[13] A1

[51] **Int.Cl. G06F 21/30 (2013.01) G06F 21/60 (2013.01) H04L 9/32 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR VERIFYING A RECORDING**
[54] **PROCEDE ET SYSTEME DE VERIFICATION D'UN ENREGISTREMENT**
[72] ULDRIDGE, MARC JONATHAN, AU
[72] DOUGLASS, ANTHONY, AU
[71] FTR LABS PTY LTD, AU
[85] 2020-03-04
[86] 2018-09-06 (PCT/AU2018/000167)
[87] (WO2019/046880)
[30] AU (2017903658) 2017-09-08

[21] **3,074,743**
[13] A1

[51] **Int.Cl. F03C 1/04 (2006.01) F03C 1/06 (2006.01) F04B 1/04 (2020.01) F04B 1/12 (2020.01) F04B 53/08 (2006.01) F04B 53/14 (2006.01) F04B 53/18 (2006.01) F16J 1/00 (2006.01)**
[25] FR
[54] **HYDRAULIC PISTON WITH VALVE FOR COOLING AND LUBRICATION**
[54] **PISTON HYDRAULIQUE A SOUPEPE DE REFROIDISSEMENT ET LUBRIFICATION**
[72] RABHI, VIANNEY, FR
[71] RABHI, VIANNEY, FR
[85] 2020-03-04
[86] 2018-07-30 (PCT/FR2018/051958)
[87] (WO2019/048750)
[30] FR (1758196) 2017-09-05

PCT Applications Entering the National Phase

[21] **3,074,744**
[13] A1

[51] **Int.Cl. E21B 43/25 (2006.01) E21B 17/02 (2006.01) E21B 33/124 (2006.01) E21B 43/26 (2006.01) E21B 43/263 (2006.01)**

[25] EN

[54] **WELL STIMULATION APPARATUS AND A METHOD OF USE THEREOF**

[54] **APPAREIL DE STIMULATION DE Puits ET SON PROCÉDE D'UTILISATION**

[72] FREEMAN, SPENCER ERIC, CA

[72] HARCOURT, MICHAEL GEOFFREY, CA

[71] ROCKETFRAC SERVICES LTD., CA

[85] 2020-03-04

[86] 2017-09-26 (PCT/CA2017/051135)

[87] (WO2019/060977)

[21] **3,074,745**
[13] A1

[51] **Int.Cl. B28B 1/26 (2006.01) B28B 1/24 (2006.01) B28B 23/02 (2006.01) B29C 70/48 (2006.01) C04B 35/117 (2006.01) C04B 35/14 (2006.01) C04B 35/18 (2006.01) C04B 35/185 (2006.01) C04B 35/447 (2006.01) C04B 35/488 (2006.01) C04B 35/56 (2006.01) C04B 35/563 (2006.01) C04B 35/565 (2006.01) C04B 35/573 (2006.01) C04B 35/58 (2006.01) C04B 35/584 (2006.01) C04B 35/591 (2006.01) C04B 35/80 (2006.01) F01D 5/28 (2006.01) F01D 9/04 (2006.01) F01D 25/24 (2006.01) F02K 1/82 (2006.01) F23R 3/00 (2006.01)**

[25] FR

[54] **METHOD FOR INJECTING A LOADED SLURRY INTO A FIBROUS TEXTURE**

[54] **PROCÉDE D'INJECTION D'UNE BARBOTINE CHARGÉE DANS UNE TEXTURE FIBREUSE**

[72] EBERLING-FUX, NICOLAS, FR

[72] GOULLIANNE, EDDY, FR

[72] ROS, WILLIAM, FR

[71] SAFRAN CERAMICS, FR

[85] 2020-03-04

[86] 2018-09-19 (PCT/FR2018/052287)

[87] (WO2019/058054)

[21] **3,074,746**
[13] A1

[51] **Int.Cl. B29C 48/08 (2019.01) C08J 5/14 (2006.01)**

[25] EN

[54] **EXTRUDED ELASTOMER FEATHER-EDGED CRENULATED GRIP TAPES**

[54] **RUBANS EN ELASTOMERE EXTRUDE A PRISE CRENELEE A BORDS MINCES**

[72] GRAHAM-WALSH, REDWIN RUTHERBY ERRINGTON, CA

[71] GRAHAM-WALSH, REDWIN RUTHERBY ERRINGTON, CA

[85] 2020-03-04

[86] 2018-08-28 (PCT/CA2018/051032)

[87] (WO2019/046928)

[30] US (62/555,346) 2017-09-07

[21] **3,074,747**
[13] A1

[51] **Int.Cl. F25J 1/02 (2006.01) B63B 35/44 (2006.01) F28C 1/02 (2006.01) F28C 1/14 (2006.01) F28D 5/00 (2006.01)**

[25] EN

[54] **A BARGE FOR AND METHOD OF WATER COOLING AN LNG PRODUCTION PLANT**

[54] **BARGE ET PROCÉDE DE REFROIDISSEMENT D'EAU D'UNE INSTALLATION DE PRODUCTION DE GNL**

[72] FAKA, SOLOMON ALADJA, AU

[72] BYFIELD, GEOFFREY BRIAN, AU

[71] WOODSIDE ENERGY TECHNOLOGIES PTY LTD, AU

[85] 2020-03-04

[86] 2018-05-17 (PCT/AU2018/050472)

[87] (WO2018/209399)

[30] AU (2017901888) 2017-05-18

[21] **3,074,748**
[13] A1

[51] **Int.Cl. C12N 15/63 (2006.01) A61K 31/05 (2006.01) A61K 31/192 (2006.01) A61K 31/352 (2006.01) C12N 1/21 (2006.01) C12N 9/00 (2006.01) C12N 9/10 (2006.01) C12N 9/88 (2006.01) C12N 15/52 (2006.01) C12N 15/54 (2006.01) C12N 15/60 (2006.01) C12N 15/70 (2006.01) C12P 7/22 (2006.01) C12P 7/42 (2006.01) C12P 17/06 (2006.01)**

[25] EN

[54] **METABOLIC ENGINEERING OF E. COLI FOR THE BIOSYNTHESIS OF CANNABINOID PRODUCTS**

[54] **GENIE METABOLIQUE D'E. COLI POUR LA BIOSYNTHESE DE PRODUITS CANNABINOIDES**

[72] AYAKAR, SONAL R., CA

[72] PAWAR, SANDIP V., CA

[72] HALLAM, STEVEN J., CA

[72] HOSSAIN, SAZZAD, CA

[72] YADAV, VIKRAMADITYA G., CA

[72] ROY, PROTIVA R., CA

[72] SRIVASTAVA, SARVESH K., CA

[71] INMED PHARMACEUTICALS INC., CA

[85] 2020-03-04

[86] 2018-09-05 (PCT/CA2018/051074)

[87] (WO2019/046941)

[30] US (62/554,494) 2017-09-05

[21] **3,074,749**
[13] A1

[51] **Int.Cl. G10L 19/12 (2013.01) G10L 19/038 (2013.01) G10L 19/24 (2013.01) G10L 19/26 (2013.01) G01L 13/02 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR ALLOCATING A BIT-BUDGET BETWEEN SUB-FRAMES IN A CELP CODEC**

[54] **PROCÉDE ET DISPOSITIF D'ATTRIBUTION D'UN BUDGET BINAIRE ENTRE DES SOUS-FRAMES DANS UN CODEC CELP**

[72] EKSLER, VACLAV, CS

[71] VOICEAGE CORPORATION, CA

[85] 2020-03-04

[86] 2018-09-20 (PCT/CA2018/051175)

[87] (WO2019/056107)

[30] US (62/560,724) 2017-09-20

Demandes PCT entrant en phase nationale

[21] **3,074,750**
[13] A1

[51] **Int.Cl. G10L 19/12 (2013.01) G10L 19/038 (2013.01) G10L 19/24 (2013.01) G10L 19/26 (2013.01)**

[25] EN

[54] **METHOD AND DEVICE FOR EFFICIENTLY DISTRIBUTING A BIT-BUDGET IN A CELP CODEC**

[54] **PROCEDE ET DISPOSITIF DE DISTRIBUTION EFFICACE D'UN BUDGET BINAIRE DANS UN CODEC CELP**

[72] EKSLER, VACLAV, CS

[71] VOICEAGE CORPORATION, CA

[85] 2020-03-04

[86] 2018-09-20 (PCT/CA2018/051176)

[87] (WO2019/056108)

[30] US (62/560,724) 2017-09-20

[21] **3,074,751**
[13] A1

[51] **Int.Cl. G01N 33/48 (2006.01) C07K 16/28 (2006.01) G01N 33/573 (2006.01) G01N 33/574 (2006.01)**

[25] EN

[54] **PREDICTING RESPONSES TO IMMUNOTHERAPY**

[54] **PREDICTION DE REPONSES A UNE IMMUNOTHERAPIE**

[72] FAZEKAS DE ST GROTH, BARBARA, AU

[71] IMMUNESIGNATURES PTY LTD, AU

[85] 2020-03-04

[86] 2018-09-12 (PCT/AU2018/050988)

[87] (WO2019/051542)

[30] AU (2017903703) 2017-09-12

[21] **3,074,752**
[13] A1

[51] **Int.Cl. F16D 65/14 (2006.01)**

[25] EN

[54] **MECHANICAL MOTOR-DRIVEN FRICTION BRAKE DEVICE FOR RAIL VEHICLE**

[54] **DISPOSITIF MECANIQUE DE FREIN A FROTTEMENT ACTIONNE PAR MOTEUR POUR VEHICULE FERROVIAIRE**

[72] WU, MENGLING, CN

[72] CHEN, MAOLIN, CN

[72] TIAN, CHUN, CN

[72] PENG, SHUN, CN

[72] FENG, FULEI, CN

[72] LEI, CHI, CN

[72] MA, TIANHE, CN

[71] SHANGHAI LIUPEI MECHANICAL AND ELECTRICAL TECHNOLOGY CO., LTD, CN

[85] 2020-03-04

[86] 2017-09-06 (PCT/CN2017/100629)

[87] (WO2019/047044)

[21] **3,074,753**
[13] A1

[51] **Int.Cl. G01N 1/28 (2006.01) B02C 21/00 (2006.01) E21B 21/06 (2006.01) E21B 49/00 (2006.01) F26B 3/06 (2006.01) F26B 11/00 (2006.01) F26B 17/10 (2006.01)**

[25] EN

[54] **BATCH SAMPLE PREPARATION APPARATUS**

[54] **APPAREIL DE PREPARATION D'ECHANTILLON PAR LOTS**

[72] BLAINE, FREDRICK ALLAN, AU

[72] MOKARAMIAN, AMIR, AU

[72] BLAKEWAY, BEN STANLEY DOUGLAS, AU

[71] REFLEX INSTRUMENTS ASIA PACIFIC PTY LTD, AU

[85] 2020-03-04

[86] 2018-09-13 (PCT/AU2018/051000)

[87] (WO2019/051551)

[30] AU (2017903727) 2017-09-13

[21] **3,074,754**
[13] A1

[51] **Int.Cl. B29C 35/08 (2006.01)**

[25] EN

[54] **ARTICULATING CRACK CURING LAMP AND METHOD**

[54] **METHODE ET LAMPE DE DURCISSEMENT DE FISSURE ARTICULEE**

[72] THOMAS, JONATHAN P., US

[72] NELLEN, LEVI R., US

[72] CHATTERTON, PENNY M., US

[71] MONDOFIX INC., CA

[85] 2020-03-04

[86] 2018-10-11 (PCT/CA2018/051281)

[87] (WO2019/071350)

[30] US (62/571,045) 2017-10-11

[21] **3,074,755**
[13] A1

[51] **Int.Cl. C07K 7/08 (2006.01) A61K 38/10 (2006.01) A61P 19/02 (2006.01) C07K 14/435 (2006.01)**

[25] EN

[54] **HM-3 FUSION PROTEIN AND APPLICATION THEREOF**

[54] **PROTEINE DE FUSION HM-3 ET SON UTILISATION**

[72] HUANG, RUIJING, CN

[72] FAN, BAOQING, CN

[72] LI, JIAN, CN

[72] MA, XIAOHUI, CN

[72] WANG, YIBO, CN

[72] ZHANG, LIHUA, CN

[72] CAO, XIAODAN, CN

[72] LI, WENLEI, CN

[72] WANG, PENGYIN, CN

[72] CHEN, YAN, CN

[71] TASLY BIOPHARMACEUTICALS CO., LTD., CN

[85] 2020-03-04

[86] 2018-11-23 (PCT/CN2018/117188)

[87] (WO2019/109819)

[30] CN (201711273473.9) 2017-12-06

PCT Applications Entering the National Phase

[21] **3,074,756**
[13] A1

[51] **Int.Cl. F16D 65/14 (2006.01) B61H 13/20 (2006.01)**
[25] EN
[54] **MICROCOMPUTER-CONTROLLED ELECTROMECHANICAL BRAKING SYSTEM**
[54] **DISPOSITIF MOTORISE DE FREINAGE PAR FROTTEMENT A AMPLIFICATION DE FORCE MECANIQUE POUR VEHICULE FERROVIAIRE**
[72] WU, MENGLING, CN
[72] CHEN, MAOLIN, CN
[72] TIAN, CHUN, CN
[72] PENG, SHUN, CN
[72] FENG, FULEI, CN
[72] ZHANG, HANWEN, CN
[72] WENG, JINGJING, CN
[71] SHANGHAI LIUPEI MECHANICAL AND ELECTRICAL TECHNOLOGY CO., LTD, CN
[85] 2020-03-04
[86] 2017-09-06 (PCT/CN2017/100632)
[87] (WO2019/047047)

[21] **3,074,757**
[13] A1

[51] **Int.Cl. B61H 13/00 (2006.01) B60L 7/00 (2006.01)**
[25] EN
[54] **MICROCOMPUTER-CONTROLLED ELECTROMECHANICAL BRAKING SYSTEM**
[54] **SYSTEME DE FREINAGE ELECTROMECHANIQUE COMMANDE PAR MICRO-ORDINATEUR**
[72] WU, MENGLING, CN
[72] TIAN, CHUN, CN
[72] CHEN, MAOLIN, CN
[72] MA, TIANHE, CN
[72] FENG, FULEI, CN
[72] LEI, CHI, CN
[72] YUAN, ZEWANG, CN
[71] SHANGHAI LIUPEI MECHANICAL AND ELECTRICAL TECHNOLOGY CO., LTD, CN
[85] 2020-03-04
[86] 2017-09-06 (PCT/CN2017/100649)
[87] (WO2019/047049)

[21] **3,074,758**
[13] A1

[51] **Int.Cl. H04W 76/28 (2018.01) H04W 52/02 (2009.01)**
[25] EN
[54] **DISCONTINUOUS RECEPTION METHOD, TERMINAL DEVICE AND NETWORK DEVICE**
[54] **PROCEDE DE RECEPTION DISCONTINUE, DISPOSITIF TERMINAL ET DISPOSITIF DE RESEAU**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-03-04
[86] 2017-09-07 (PCT/CN2017/100954)
[87] (WO2019/047128)

[21] **3,074,759**
[13] A1

[51] **Int.Cl. C07C 237/42 (2006.01) A01N 37/18 (2006.01) A01N 37/46 (2006.01) A01P 7/04 (2006.01) A01N 37/34 (2006.01) A01N 37/48 (2006.01) A01N 41/10 (2006.01) A01N 43/836 (2006.01) C07C 255/50 (2006.01) C07D 271/06 (2006.01)**
[25] EN
[54] **M-DIAMIDE COMPOUND AND PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **COMPOSE M-DIAMIDE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] LV, LIANG, CN
[72] LIU, JIYONG, CN
[72] XIANG, JUNCHENG, CN
[72] MA, WENJING, CN
[72] ZHOU, LIQI, CN
[72] HOU, SHUANG, CN
[72] NI, JUEPING, CN
[72] LI, ZONGCHENG, CN
[71] CAC SHANGHAI INTERNATIONAL TRADING CO., LTD., CN
[85] 2020-03-04
[86] 2019-03-12 (PCT/CN2019/077756)
[87] (WO2020/001067)
[30] CN (201810669847.7) 2018-06-26
[30] CN (201811555432.3) 2018-12-18

[21] **3,074,760**
[13] A1

[51] **Int.Cl. G01C 15/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PLANNING NAVIGATION REGION OF UNMANNED AERIAL VEHICLE, AND REMOTE CONTROL**
[54] **PROCEDE, DISPOSITIF ET COMMANDE A DISTANCE POUR PLANIFIER UNE ZONE DE NAVIGATION D'UN VEHICULE AERIEN SANS PILOTE**
[72] ZHU, PENGWEI, CN
[72] ZHENG, RENJIAN, CN
[72] WU, BEN, CN
[72] YOU, CHUNCHENG, CN
[71] GUANGZHOU XAIRCRAFT TECHNOLOGY CO., LTD, CN
[85] 2020-03-04
[86] 2018-08-23 (PCT/CN2018/101976)
[87] (WO2019/047725)
[30] CN (2017110801248.1) 2017-09-07

[21] **3,074,761**
[13] A1

[51] **Int.Cl. H02J 3/36 (2006.01)**
[25] EN
[54] **CONTROL SYSTEM AND CONTROL METHOD FOR PARALLEL CONVERTER SYSTEM**
[54] **SYSTEME DE COMMANDE ET PROCEDE DE COMMANDE D'UN SYSTEME DE CONVERTISSEUR PARALLELE**
[72] WANG, NANNAN, CN
[72] LU, YU, CN
[72] DONG, YUNLONG, CN
[72] TIAN, JIE, CN
[72] JIANG, CHONGXUE, CN
[72] WANG, JIACHENG, CN
[72] LI, GANG, CN
[72] DING, JIUDONG, CN
[72] LI, HAIYING, CN
[71] NR ELECTRIC CO., LTD, CN
[71] NR ENGINEERING CO., LTD, CN
[85] 2020-03-04
[86] 2018-05-22 (PCT/CN2018/087796)
[87] (WO2019/047559)
[30] CN (2017110788447.3) 2017-09-05

Demandes PCT entrant en phase nationale

[21] **3,074,763**
[13] A1

[51] **Int.Cl. B02C 17/18 (2006.01) B02C 23/00 (2006.01) B02C 25/00 (2006.01) B65D 88/66 (2006.01) B65D 90/48 (2006.01)**

[25] EN

[54] **METHOD FOR OPERATING A SYSTEM, SYSTEM AND COMPUTER PROGRAM PRODUCT**

[54] **PROCEDE POUR FAIRE FONCTIONNER UNE INSTALLATION, INSTALLATION ET PRODUIT PROGRAMME D'ORDINATEUR**

[72] PROCKSCH, ANDREAS, DE
[72] FODOR, DAN NICULAE, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2020-03-04
[86] 2018-08-22 (PCT/EP2018/072669)
[87] (WO2019/048234)
[30] EP (17189596.4) 2017-09-06

[21] **3,074,764**
[13] A1

[51] **Int.Cl. B29D 11/00 (2006.01) B41M 3/00 (2006.01)**

[25] EN

[54] **A COATING SYSTEM FOR COATING AN OPTICAL SUBSTRATE, METHOD THEREOF AND COATED OPTICAL SUBSTRATE**

[54] **SYSTEME DE REVETEMENT POUR REVETIR UN SUBSTRAT OPTIQUE, PROCEDE ASSOCIE ET SUBSTRAT OPTIQUE REVETU**

[72] KOENIG, JERRY, LEE, II, US
[71] TRANSITIONS OPTICAL, LTD., IE
[85] 2020-03-04
[86] 2017-09-07 (PCT/EP2017/072411)
[87] (WO2019/048041)

[21] **3,074,766**
[13] A1

[51] **Int.Cl. A47J 27/04 (2006.01) A47J 27/16 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR PREPARING FOODS ARRANGED IN A VESSEL**

[54] **DISPOSITIF ET PROCEDE DE PREPARATION DE DENREES ALIMENTAIRES DISPOSEES DANS UN RECIPIENT**

[72] GREDELMEIER, THOMAS, CH
[72] SCHENK, PHILIPP, CH
[72] SCHMUTZ, LUKAS, CH
[71] CAROGUSTO AG, CH
[85] 2020-03-03
[86] 2017-11-30 (PCT/EP2017/080982)
[87] (WO2019/105554)

[21] **3,074,767**
[13] A1

[51] **Int.Cl. D04H 1/42 (2012.01) D04H 1/4234 (2012.01) D04H 3/005 (2012.01) H05K 9/00 (2006.01)**

[25] EN

[54] **NONWOVEN FABRIC FOR SHIELDING TERAHERTZ FREQUENCIES**

[54] **NON-TISSE DESTINE AU BLINDAGE DE FREQUENCES TERAHERTZ**

[72] VAN HATTUM, EDGAR-JOHANNES, DE
[71] SZE HAGENUK GMBH, DE
[85] 2020-03-04
[86] 2017-09-08 (PCT/EP2017/072634)
[87] (WO2019/048056)

[21] **3,074,769**
[13] A1

[51] **Int.Cl. A23C 9/152 (2006.01) A23L 33/18 (2016.01) A23L 33/19 (2016.01)**

[25] EN

[54] **INFANT FORMULA HAVING DECREASED PROTEIN CONTENT**

[54] **LAIT MATERNISE AYANT UNE TENEUR REDUITE EN PROTEINES**

[72] AO, ZIHUA, US
[72] LAMBERS, TEARTSE TIM, NL
[72] WITTKER, ANJA MONIKA, US
[71] MJN U.S. HOLDINGS LLC, US
[85] 2020-03-04
[86] 2018-09-05 (PCT/EP2018/073887)
[87] (WO2019/048490)
[30] US (62/555,813) 2017-09-08
[30] GB (1715784.3) 2017-09-28

[21] **3,074,771**
[13] A1

[51] **Int.Cl. C08F 220/56 (2006.01) D21H 17/37 (2006.01) D21H 17/45 (2006.01) D21H 21/10 (2006.01)**

[25] EN

[54] **COMPOSITION COMPRISING CROSS-LINKED ANIONIC, ORGANIC POLYMERIC MICROPARTICLES, ITS PREPARATION AND USE IN PAPER AND PAPERBOARD MAKING PROCESSES**

[54] **COMPOSITION COMPRENANT DES MICROPARTICULES POLYMERES ORGANIQUES, ANIONIQUES RETICULEES, SA PREPARATION ET SON UTILISATION DANS DES PROCEDES DE FABRICATION DE PAPIER ET DE CARTON**

[72] JEHN-RENDU, CHRISTIAN, DE
[72] THOMAS, ANJA, DE
[72] CORBERAN ROC, ROSA, DE
[71] SOLENIS TECHNOLOGIES CAYMAN, L.P., KY
[85] 2020-03-04
[86] 2018-09-07 (PCT/EP2018/074085)
[87] (WO2019/048587)
[30] EP (17190180.4) 2017-09-08

[21] **3,074,772**
[13] A1

[51] **Int.Cl. B02C 17/18 (2006.01) B02C 17/24 (2006.01) B02C 25/00 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR DETACHING AN ADHERING CHARGE FROM THE INNER SIDE OF A GRINDING PIPE OF A TUBE MILL**

[54] **PROCEDE ET DISPOSITIF POUR DETACHER UNE CHARGE COLLANT A L'INTERIEUR D'UN TUBE DE BROYAGE D'UN BROUYEUR TUBULAIRE**

[72] FODOR, DAN NICULAE, DE
[72] PROCKSCH, ANDREAS, DE
[72] TISCHLER, KURT, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2020-03-04
[86] 2018-08-22 (PCT/EP2018/072663)
[87] (WO2019/048233)
[30] EP (17189594.9) 2017-09-06

PCT Applications Entering the National Phase

[21] **3,074,775**
[13] A1

[51] **Int.Cl. C07C 229/60 (2006.01) A61K 31/245 (2006.01) A61P 11/16 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) C07C 211/63 (2006.01) C07C 237/04 (2006.01)**

[25] EN
[54] **CARBONIC ACID ADDUCTS**
[54] **PRODUITS D'ADDITION D'ACIDE CARBONIQUE**

[72] ENGERT, BEATRICE, DE
[72] VOGELSANG, SUSANNE, DE
[71] JENCLUSTER GMBH, DE
[85] 2020-03-04
[86] 2018-09-07 (PCT/EP2018/074089)
[87] (WO2019/048590)
[30] DE (10 2017 120 564.0) 2017-09-07

[21] **3,074,777**
[13] A1

[51] **Int.Cl. A61N 1/04 (2006.01) A61L 31/12 (2006.01) A61L 31/14 (2006.01) A61L 31/16 (2006.01) A61M 37/00 (2006.01)**

[25] EN
[54] **IONTOPHORETIC MICRONEEDLE DEVICE**
[54] **DISPOSITIF D'IONTOPHORESE A MICRO-AIGUILLES**

[72] RONNANDER, JAMES PAUL, US
[72] SIMON, LAURENT, US
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[71] NEW JERSEY INSTITUTE OF TECHNOLOGY, US
[85] 2020-03-04
[86] 2018-09-12 (PCT/EP2018/074583)
[87] (WO2019/053051)
[30] US (62/557,473) 2017-09-12

[21] **3,074,779**
[13] A1

[51] **Int.Cl. B21F 23/00 (2006.01) B21F 27/08 (2006.01) B21F 27/12 (2006.01) E04G 21/12 (2006.01)**

[25] EN
[54] **A TOOL, A SYSTEM AND A METHOD FOR MANUFACTURING OF A REINFORCEMENT BAR STRUCTURE**
[54] **OUTIL, SYSTEME ET PROCEDE DE FABRICATION D'UNE STRUCTURE DE BARRE DE REINFORCEMENT**

[72] SANDEGREN, ANTON, SE
[72] VISTROM, ERIK, SE
[71] SKANSKA SVERIGE AB, SE
[85] 2020-03-04
[86] 2018-08-28 (PCT/EP2018/073084)
[87] (WO2019/048289)
[30] SE (1751088-4) 2017-09-08

[21] **3,074,780**
[13] A1

[51] **Int.Cl. A61M 1/00 (2006.01)**

[25] EN
[54] **NEGATIVE PRESSURE WOUND TREATMENT APPARATUSES AND METHODS WITH INTEGRATED ELECTRONICS**
[54] **APPAREILS ET PROCEDES DE TRAITEMENT DE PLAIES PAR PRESSION NEGATIVE AVEC ELECTRONIQUE INTEGREE**

[72] HARRISON, FREDERICK JETHRO, GB
[72] HESKETH, MARK RICHARD, GB
[72] KELBIE, WILLIAM, GB
[72] ROBINSON, JOSEPH WILLIAM, GB
[72] STEWARD, DANIEL LEE, GB
[72] WEST, GRANT, GB
[71] SMITH & NEPHEW PLC, GB
[85] 2020-03-04
[86] 2018-09-13 (PCT/EP2018/074694)
[87] (WO2019/053101)
[30] US (62/558264) 2017-09-13

[21] **3,074,781**
[13] A1

[51] **Int.Cl. A61F 13/00 (2006.01) A61M 1/00 (2006.01)**

[25] EN
[54] **NEGATIVE PRESSURE WOUND TREATMENT APPARATUSES AND METHODS WITH INTEGRATED ELECTRONICS**
[54] **APPAREILS ET PROCEDES DE TRAITEMENT DE PLAIES PAR PRESSION NEGATIVE AVEC ELECTRONIQUE INTEGREE**

[72] HARRISON, FREDERICK JETHRO, GB
[72] KELBIE, WILLIAM, GB
[72] ROBINSON, JOSEPH WILLIAM, GB
[72] STEWARD, DANIEL LEE, GB
[72] WEST, GRANT, GB
[72] STEWARD, DANIEL LEE, GB
[71] SMITH & NEPHEW PLC, GB
[85] 2020-03-04
[86] 2018-09-13 (PCT/EP2018/074701)
[87] (WO2019/053106)
[30] US (62/558267) 2017-09-13
[30] GB (1718070.4) 2017-11-01

[21] **3,074,782**
[13] A1

[51] **Int.Cl. G01R 31/36 (2020.01) G05B 13/04 (2006.01) H02M 3/156 (2006.01) H02M 3/158 (2006.01)**

[25] EN
[54] **ENERGY ACCUMULATOR EMULATOR AND METHOD FOR EMULATION OF AN ENERGY ACCUMULATOR**
[54] **EMULATEUR D'ACCUMULATEUR D'ENERGIE ET PROCEDE POUR EMULER UNE ACCUMULATEUR D'ENERGIE**

[72] KONIG, OLIVER, AT
[72] FALMBIGL, WOLFGANG, AT
[72] JAKUBEK, STEFAN, AT
[72] EDER, ALEXANDER, AT
[72] PROCHART, GUNTER, AT
[71] AVL LIST GMBH, AT
[85] 2020-03-04
[86] 2018-08-31 (PCT/EP2018/073422)
[87] (WO2019/043136)
[30] AT (A50742/2017) 2017-09-04

Demandes PCT entrant en phase nationale

[21] **3,074,783**
[13] A1

[51] **Int.Cl. F23R 3/34 (2006.01) F23R 3/20 (2006.01) F23R 3/28 (2006.01) F23R 3/36 (2006.01)**

[25] EN

[54] **A GAS TURBINE COMBUSTOR ASSEMBLY WITH A TRAPPED VORTEX FEATURE**

[54] **ENSEMBLE DE CHAMBRE DE COMBUSTION DE TURBINE A GAZ AVEC ELEMENT DE TOURBILLON PIEGE**

[72] BULAT, GHENADIE, GB

[71] SIEMENS AKTIENGESSELLSCHAFT, DE

[85] 2020-03-04

[86] 2018-09-03 (PCT/EP2018/073633)

[87] (WO2019/048387)

[30] EP (17189385.2) 2017-09-05

[21] **3,074,791**
[13] A1

[51] **Int.Cl. C12N 5/0784 (2010.01) C12Q 1/6876 (2018.01)**

[25] EN

[54] **NOVEL CELL LINE AND USES THEREOF**

[54] **NOUVELLE LIGNEE CELLULAIRE ET UTILISATIONS ASSOCIEES**

[72] LINDSTEDT, MALIN MARIE, SE

[72] BORREBAECK, CARL A. K., SE

[72] JOHANSSON, HENRIK, SE

[72] GRADIN, ROBIN, SE

[71] SENZAGEN AB, SE

[85] 2020-03-04

[86] 2018-09-24 (PCT/EP2018/075829)

[87] (WO2019/057977)

[30] GB (1715445.1) 2017-09-25

[21] **3,074,793**
[13] A1

[51] **Int.Cl. C07K 14/43 (2006.01)**

[25] EN

[54] **NEW THERMOSTABLE PHYTASES WITH HIGH CATALYTIC EFFICACY**

[54] **NOUVELLES PHYTASES THERMOSTABLES A EFFICACITE CATALYTIQUE ELEVEE**

[72] PETKOV, SPAS BOJIDAROV, BG

[72] OUTCHKOUROV, NIKOLAY STOYANOV, NL

[71] HUVEPHARMA EOOD, BG

[85] 2020-03-04

[86] 2018-09-04 (PCT/EP2018/073787)

[87] (WO2019/048440)

[30] EP (17189861.2) 2017-09-07

[21] **3,074,784**
[13] A1

[51] **Int.Cl. A23L 5/43 (2016.01) A23K 20/179 (2016.01) C09B 61/00 (2006.01) C09B 67/54 (2006.01)**

[25] EN

[54] **IMPROVEMENT OF RED BEET PIGMENT COMPOSITION**

[54] **AMELIORATION DE LA COMPOSITION DE PIGMENT DE BETTERAVE ROUGE**

[72] ESPIN, GREGORIO BARBA, DK

[72] LUETKEN, HENRIK VLK, DK

[72] JOERNSGAARD, BJARNE, DK

[72] MUELLER, RENATE PETRA BRIGITTE, DK

[72] DZHANFEZOVA, TSANETA, DK

[72] GLIED, STEPHAN, DK

[72] MADSEN, BJOERN, DK

[71] CHR. HANSEN NATURAL COLORS A/S, DK

[71] UNIVERSITY OF COPENHAGEN, DK

[85] 2020-03-04

[86] 2018-09-21 (PCT/EP2018/075607)

[87] (WO2019/057896)

[30] EP (17192720.5) 2017-09-22

[21] **3,074,792**
[13] A1

[51] **Int.Cl. F16L 13/12 (2006.01)**

[25] EN

[54] **A PIPELINE SYSTEM OF PIPE SECTIONS WITH PRE-ASSEMBLED INSULATING WELD BACKING RINGS AND METHOD OF MAKING SAME**

[54] **SYSTEME DE CANALISATION DE SECTIONS DE TUYAU AVEC ANNEAUX DE SUPPORT DE SOUDURE ISOLANTS PRE-ASSEMBLES ET SON PROCEDE DE FABRICATION**

[72] OLIVEIRA E SILVA, JOSE ANISIO DE, BR

[71] IMPERIAL PIPE SERVICES, LLC, US

[85] 2020-03-04

[86] 2018-09-04 (PCT/BR2018/050315)

[87] (WO2019/041016)

[30] BR (BR 10 2017 018910 4) 2017-09-04

[21] **3,074,795**
[13] A1

[51] **Int.Cl. C25B 9/08 (2006.01) C25B 1/46 (2006.01)**

[25] EN

[54] **ELECTROLYSIS DEVICE**

[54] **DISPOSITIF D'ELECTROLYSE**

[72] DONST, DMITRI, DE

[72] HOFMANN, PHILIPP, AT

[72] HOORMANN, DIRK, DE

[72] POLCYN, GREGOR DAMIAN, DE

[72] WOLTERING, PETER, DE

[72] FIORUCCI, ALESSANDRO, IT

[72] FULVIO, FEDERICO, IT

[72] PEREGO, MICHELE, IT

[71] THYSSENKRUPP UHDE CHLORINE ENGINEERS GMBH, DE

[85] 2020-03-04

[86] 2018-09-27 (PCT/EP2018/076205)

[87] (WO2019/063659)

[30] DE (10 2017 217 361.0) 2017-09-29

[21] **3,074,797**
[13] A1

[51] **Int.Cl. B01J 19/00 (2006.01) B01L 3/00 (2006.01)**

[25] EN

[54] **CHEMICAL REACTORS**

[54] **REACTEURS CHIMIQUES**

[72] DE MALSCHE, WIM, BE

[72] OP DE BEECK, JEFF, BE

[72] JACOBS, PAUL, BE

[72] CLAEREBOUT, BO, BE

[71] PHARMAFLUIDICS NV, BE

[85] 2020-03-04

[86] 2018-09-04 (PCT/EP2018/073789)

[87] (WO2019/043270)

[30] BE (2017/5619) 2017-09-04

PCT Applications Entering the National Phase

[21] **3,074,798**
[13] A1

[51] **Int.Cl. G01N 33/72 (2006.01)**
[25] EN
[54] **METHOD AND COMPUTER PROGRAM FOR PREDICTING BILIRUBIN LEVELS IN NEONATES**

[54] **PROCEDE ET PROGRAMME INFORMATIQUE POUR PREDIRE DES TAUX DE BILIRUBINE CHEZ DES NOUVEAU-NES**

[72] KOCH, GILBERT, DE
[72] WELLMANN, SVEN, DE
[72] PFISTER, MARC, CH
[72] KASSER, SEVERIN, CH
[72] WILBAUX, MELANIE, FR
[71] UNIVERSITAT BASEL, CH
[85] 2020-03-04
[86] 2018-09-27 (PCT/EP2018/076325)
[87] (WO2019/063722)
[30] EP (17194160.2) 2017-09-29

[21] **3,074,802**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **ANTIBODIES TARGETING PDL1 AND METHODS OF USE THEREOF**

[54] **ANTICORPS CIBLANT PDL1 ET PROCEDES D'UTILISATION ASSOCIES**

[72] GUNDE, TEA, CH
[72] BROCK, MATTHIAS, CH
[72] HESS, CHRISTIAN, CH
[72] SIMONIN, ALEXANDRE, FR
[71] NUMAB THERAPEUTICS AG, CH
[85] 2020-03-04
[86] 2018-10-09 (PCT/EP2018/077511)
[87] (WO2019/072869)
[30] EP (17195781.4) 2017-10-10
[30] EP (18167094.4) 2018-04-12
[30] EP (18180816.3) 2018-06-29

[21] **3,074,805**
[13] A1

[51] **Int.Cl. A61J 9/00 (2006.01) A61J 1/20 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR THE REHYDRATION AND UTILIZATION OF A DEHYDRATED LIQUID SUBSTANCE**

[54] **DISPOSITIF ET PROCEDE DE REHYDRATATION ET D'UTILISATION D'UNE SUBSTANCE LIQUIDE DESHYDRATEE**

[72] OROFINO, ERNESTO, IT
[71] OROFINO PHARMACEUTICALS GROUP SRL, IT
[85] 2020-03-04
[86] 2018-09-06 (PCT/IB2018/056796)
[87] (WO2019/053566)
[30] IT (102017000102375) 2017-09-13

[21] **3,074,801**
[13] A1

[51] **Int.Cl. G06F 21/34 (2013.01) G06F 21/44 (2013.01) G06F 21/60 (2013.01) H04L 29/06 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS OF SECURELY TRANSFERRING DATA**

[54] **PROCEDES ET SYSTEMES DE TRANSFERT SECURISE DE DONNEES**

[72] MICHAEL, JOHN, GB
[71] ISTOREG LIMITED, GB
[85] 2020-03-04
[86] 2018-08-30 (PCT/GB2018/052458)
[87] (WO2019/048829)
[30] GB (1714256.3) 2017-09-05

[21] **3,074,804**
[13] A1

[51] **Int.Cl. D21H 17/37 (2006.01) D21H 17/06 (2006.01) D21H 17/28 (2006.01) D21H 19/54 (2006.01) D21H 21/18 (2006.01)**
[25] EN
[54] **SURFACE TREATMENT COMPOSITION, ITS USE AND A METHOD FOR PRODUCING PAPER, BOARD OR THE LIKE**

[54] **COMPOSITION DE TRAITEMENT DE SURFACE, SON UTILISATION ET PROCEDE DE PRODUCTION DE PAPIER, DE CARTON, OU SIMILAIRE**

[72] LUO, YUPING, US
[72] CHEN, JUNHUA, US
[72] DANG, ZHENG, US
[72] RISER, JENNIFER, US
[71] KEMIRA OYJ, FI
[85] 2020-03-04
[86] 2018-09-26 (PCT/FI2018/050692)
[87] (WO2019/063881)
[30] US (62/565,141) 2017-09-29
[30] FI (20175900) 2017-10-12

[21] **3,074,808**
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01) C12Q 1/6837 (2018.01)**
[25] EN
[54] **METHODS AND DEVICES FOR DETECTING BIOMARKERS ASSOCIATED WITH PREECLAMPSIA**

[54] **PROCEDES ET DISPOSITIFS DE DETECTION DE BIOMARQUEURS ASSOCIES A LA PREECLAMPSIE**

[72] SIMON, CARLOS, ES
[72] FISHER, SUSAN, US
[72] GARRIDO, TAMARA, ES
[71] IGENOMIX S.L., ES
[85] 2020-03-04
[86] 2018-09-05 (PCT/IB2018/001117)
[87] (WO2019/048927)
[30] US (62/554,471) 2017-09-05

Demandes PCT entrant en phase nationale

[21] **3,074,809**
[13] A1

[51] **Int.Cl. A61B 17/86 (2006.01) A61L 27/44 (2006.01) A61L 27/58 (2006.01) A61L 31/12 (2006.01) A61L 31/14 (2006.01) B29C 70/34 (2006.01) B29C 70/86 (2006.01)**

[25] EN

[54] **FIBER REINFORCED BIOCOMPOSITE THREADED IMPLANTS**

[54] **IMPLANTS FILETES BIOCOMPOSITES RENFORCES PAR DES FIBRES**

[72] PREISS-BLOOM, ORAHN, IL

[72] LINDNER, TALY PNINA, IL

[72] UCHITEL, ILAN OLEG, IL

[72] KRIVORUK, ILYA, IL

[71] OSSIO LTD., IL

[85] 2020-03-04

[86] 2018-09-06 (PCT/IB2018/056809)

[87] (WO2019/049062)

[30] US (62/555,070) 2017-09-07

[21] **3,074,810**
[13] A1

[51] **Int.Cl. A61M 5/20 (2006.01)**

[25] EN

[54] **SYSTEM FOR CONTROLLING GAS GENERATION WITHIN A DRUG DELIVERY DEVICE**

[54] **SYSTEME DE COMMANDE DE LA GENERATION DE GAZ DANS UN DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**

[72] BENNISON, CORRIE JO, US

[72] DUONG, ANTHONY DAVID, US

[72] ELLIS, JEFFREY LECLAIR, US

[72] HARRISON, MICHAEL W., US

[72] KOURTIS, LAMPROS C., US

[72] SIRKAR, RHEA, US

[72] TALLARICO, JOHN PAUL, US

[71] ELI LILLY AND COMPANY, US

[85] 2020-03-04

[86] 2018-08-31 (PCT/US2018/049048)

[87] (WO2019/050791)

[30] US (62/555,808) 2017-09-08

[21] **3,074,812**
[13] A1

[51] **Int.Cl. B01J 31/22 (2006.01) C08G 18/24 (2006.01)**

[25] EN

[54] **THERMOLATENT CATALYST AND ITS USE IN CURABLE COMPOSITIONS**

[54] **CATALYSEUR THERMOLATENT ET SON UTILISATION DANS DES COMPOSITIONS DURCISSABLES**

[72] ZHOU, HONGYING, US

[72] MORAVEK, SCOTT J., US

[72] SCHWARTZMILLER, DAVINA J., US

[72] DENG, JUN, US

[72] MARTZ, JONATHAN THOMAS, US

[71] PPG INDUSTRIES OHIO, INC., US

[85] 2020-03-04

[86] 2018-08-31 (PCT/IB2018/056665)

[87] (WO2019/049004)

[30] US (15/698,037) 2017-09-07

[21] **3,074,813**
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4439 (2006.01) A61P 1/16 (2006.01) A61P 3/06 (2006.01)**

[25] EN

[54] **IMIDAZOLIDINE COMPOUNDS**

[54] **COMPOSES D'IMIDAZOLIDINE**

[72] LIU, LIAN ZHU, US

[72] WANG, XIAOQING, US

[72] WILEY, MICHAEL ROBERT, US

[71] ELI LILLY AND COMPANY, US

[85] 2020-03-04

[86] 2018-08-31 (PCT/US2018/049068)

[87] (WO2019/050794)

[30] CN (PCT/CN2017/101042) 2017-09-08

[21] **3,074,815**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01)**

[25] EN

[54] **POROUS MATERIAL FOR DETECTING CANDIDA ALBICANS, DIAGNOSTIC METHOD THAT USES IT AND PREPARATION METHOD THEREOF**

[54] **MATIERE POREUSE POUR LA DETECTION DE CANDIDA ALBICANS, METHODE DE DIAGNOSTIC L'UTILISANT ET METHODE DE FABRICATION DE LADITE MATIERE**

[72] RIBES MONPARLER, ANGELA, ES

[72] AZNAR GIMENO, ELENA, ES

[72] MARTINEZ MANEZ, RAMON, ES

[72] SANCENON GALARZA, FELIX, ES

[72] MARCOS MARTINEZ, MARIA DOLORES, ES

[72] TORMO MAS, MARIA ANGELES, ES

[72] PEMAN GARCIA, JAVIER, ES

[72] MARSAL GARVI, LLUIS FRANCISCO, ES

[72] XIFRE PEREZ, ELISABET, ES

[71] UNIVERSITAT POLITECNICA DE VALENCIA, ES

[71] CONSORCIO CENTRO DE INVESTIGACION BIOMEDICA EN RED, M.P., ES

[71] INSTITUTO DE INVESTIGACION SANITARIA LA FE-FUNDACION PARA LA INVESTIGA, ES

[71] UNIVERSITAT ROVIRA I VIRGILI, ES

[85] 2020-03-04

[86] 2018-08-23 (PCT/ES2018/070571)

[87] (WO2019/048722)

[30] ES (P201731069) 2017-09-05

[21] **3,074,817**
[13] A1

[51] **Int.Cl. C10M 163/00 (2006.01) C10M 167/00 (2006.01)**

[25] EN

[54] **LOW VISCOSITY LUBRICATING OIL COMPOSITION**

[54] **COMPOSITION D'HUILE LUBRIFIANTE A FAIBLE VISCOSITE**

[72] ONOUCHI, HISANARI, JP

[72] KUBO, KOICHI, JP

[72] TANAKA, ISAO, JP

[71] CHEVRON JAPAN LTD, JP

[85] 2020-03-04

[86] 2018-10-15 (PCT/IB2018/057961)

[87] (WO2019/077462)

[30] US (62/574,955) 2017-10-20

PCT Applications Entering the National Phase

[21] **3,074,818**
[13] A1

[51] **Int.Cl. B01J 29/76 (2006.01) B01D 53/94 (2006.01) F01N 3/20 (2006.01)**
[25] EN
[54] **ZEOLITE WITH REDUCED EXTRA-FRAMEWORK ALUMINUM**
[54] **ZEOLITE A TENEUR REDUITE EN ALUMINIUM EXTRA-CHARPENTE**
[72] PETROVIC, IVAN, US
[72] PRASAD, SUBRAMANIAN, US
[72] PALAMARA, JOSEPH, US
[71] BASF CORPORATION, US
[85] 2020-03-04
[86] 2018-09-06 (PCT/IB2018/056818)
[87] (WO2019/049069)
[30] US (62/555,215) 2017-09-07

[21] **3,074,819**
[13] A1

[51] **Int.Cl. G01N 33/574 (2006.01)**
[25] EN
[54] **METHOD FOR SENSITIVITY TESTING OF CANNABINOIDS ON PATIENT-DERIVED TUMOR BIOPSIES AND CTCs**
[54] **PROCEDE D'ANALYSE DE SENSIBILITE DES CANNABINOIDES SUR DES BIOPSIES TUMORALES ET DES CTC DERIVEES D'UN PATIENT**
[72] BALLAN, EYAL, IL
[72] GRINBERG, MORAN, IL
[71] CANNABICS PHARMACEUTICALS INC., US
[85] 2020-03-04
[86] 2018-01-02 (PCT/IL2018/050004)
[87] (WO2019/043679)
[30] US (62/553,929) 2017-09-04

[21] **3,074,821**
[13] A1

[51] **Int.Cl. G01C 21/34 (2006.01) G01C 21/36 (2006.01)**
[25] EN
[54] **FIRST-PERSON PERSPECTIVE VIEW**
[54] **VUE DE LA PERSPECTIVE D'UNE PREMIERE PERSONNE**
[72] LEE, SEUNG WOO, US
[71] UBER TECHNOLOGIES, INC., US
[85] 2020-03-04
[86] 2018-08-31 (PCT/IB2018/056689)
[87] (WO2019/049010)
[30] US (15/698,550) 2017-09-07

[21] **3,074,822**
[13] A1

[51] **Int.Cl. F04D 29/58 (2006.01)**
[25] EN
[54] **FLUID MACHINE**
[54] **MACHINE HYDRAULIQUE**
[72] AKAMATSU, YOSUKE, JP
[72] KUWATA, GEN, JP
[72] YAMADA, KENTARO, JP
[71] IHI CORPORATION, JP
[85] 2020-03-04
[86] 2017-09-05 (PCT/JP2017/031929)
[87] (WO2019/049202)

[21] **3,074,823**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 35/74 (2015.01) A61K 38/17 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING INFLAMMATORY SKIN DISEASE WITH RECOMBINANT MICROORGANISMS**
[54] **PROCEDES ET COMPOSITIONS POUR TRAITER UNE MALADIE CUTANEE INFLAMMATOIRE**
[72] WHITFILL, TRAVIS MICHAEL, US
[71] AZITRA INC, US
[85] 2020-03-04
[86] 2018-09-05 (PCT/US2018/049477)
[87] (WO2019/050898)
[30] US (62/554,271) 2017-09-05
[30] US (62/685,687) 2018-06-15

[21] **3,074,824**
[13] A1

[51] **Int.Cl. E21B 21/00 (2006.01) B25D 17/18 (2006.01)**
[25] EN
[54] **A DUST SUPPRESSION ASSEMBLY**
[54] **ENSEMBLE D'ELIMINATION DE POUSSIERE**
[72] DCUNHA, AUBREY S., IN
[71] DCUNHA, AUBREY S., IN
[85] 2020-03-04
[86] 2018-09-04 (PCT/IB2018/056724)
[87] (WO2019/049020)
[30] IN (201721031417) 2017-09-05

[21] **3,074,825**
[13] A1

[51] **Int.Cl. H04L 29/08 (2006.01) G06F 21/41 (2013.01) G06F 9/451 (2018.01)**
[25] EN
[54] **RDP PROXY SUPPORT IN PRESENCE OF RDP SERVER FARM WITH SESSION DIRECTORY OR BROKER**
[54] **PRISE EN CHARGE DE MANDATAIRE DE PROTOCOLE RDP EN PRESENCE D'UN PARC DE SERVEURS DE PROTOCOLE RDP AYANT UN REPERTOIRE OU UN COURTIER DE SESSION**
[72] SURESH, VISWANATH YARANGATTA, US
[71] CITRIX SYSTEMS, INC., US
[85] 2020-03-04
[86] 2018-09-05 (PCT/US2018/049485)
[87] (WO2019/050905)
[30] US (15/699,892) 2017-09-08

[21] **3,074,826**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 47/42 (2017.01) C12N 11/08 (2020.01)**
[25] EN
[54] **THERAPEUTIC PROTEIN COMPOSITIONS AND METHODS OF MAKING AND USING THE SAME**
[54] **COMPOSITIONS PROTEIQUES THERAPEUTIQUES ET PROCEDES DE PREPARATION ET D'UTILISATION DE CELLES-CI**
[72] ANDRESEN, THOMAS, US
[71] TORQUE THERAPEUTICS, INC., US
[85] 2020-03-04
[86] 2018-09-05 (PCT/US2018/049596)
[87] (WO2019/050978)
[30] US (62/554,058) 2017-09-05
[30] US (62/657,218) 2018-04-13

Demandes PCT entrant en phase nationale

[21] **3,074,827**
[13] A1

[51] **Int.Cl. C08L 23/08 (2006.01) C08J 3/20 (2006.01) C08K 3/04 (2006.01) C08L 23/16 (2006.01)**

[25] EN

[54] **CARBON BLACK-CONTAINING BIMODAL POLYETHYLENE COMPOSITION**

[54] **COMPOSITION DE POLYETHYLENE BIMODAL CONTENANT DU NOIR DE CARBONE**

[72] BORSE, NITIN, US
[72] CHANDAK, SWAPNIL B., US
[72] ZHANG, YI, US
[72] LYNN, TIMOTHY R., US
[72] KUHLMAN, ROGER L., US
[72] SZUL, JOHN F., US
[71] UNIVATION TECHNOLOGIES, LLC, US

[85] 2020-03-04
[86] 2018-09-06 (PCT/US2018/049635)
[87] (WO2019/051006)
[30] US (62/556,590) 2017-09-11
[30] US (62/591,865) 2017-11-29

[21] **3,074,828**
[13] A1

[51] **Int.Cl. B28B 13/02 (2006.01) B01F 15/02 (2006.01) B05B 1/14 (2006.01) B28C 7/16 (2006.01)**

[25] EN

[54] **SLURRY DELIVERY CONDUIT OF MIXER AND SLURRY DELIVERY METHOD**

[54] **CONDUIT DE DISTRIBUTION DE PATE DE MELANGEUR ET PROCEDE DE DISTRIBUTION DE PATE**

[72] NIIMI, KATSUMI, JP
[72] KANEKO, SHINOBU, JP
[71] YOSHINO GYPSUM CO., LTD., JP

[85] 2020-03-04
[86] 2018-09-01 (PCT/JP2018/032510)
[87] (WO2019/058936)
[30] JP (2017-178937) 2017-09-19

[21] **3,074,830**
[13] A1

[51] **Int.Cl. E21B 34/06 (2006.01) E21B 7/06 (2006.01)**

[25] EN

[54] **ROTATING DISK VALVE FOR ROTARY STEERABLE TOOL**

[54] **SOUPAPE A DISQUE TOURNANTE POUR OUTIL ROTATIF ORIENTABLE**

[72] FARLEY, STEVEN, US
[72] CONGER, ROBERT, US
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US

[85] 2020-03-04
[86] 2018-09-07 (PCT/US2018/050085)
[87] (WO2019/083622)
[30] US (15/796,845) 2017-10-29

[21] **3,074,831**
[13] A1

[51] **Int.Cl. C07D 213/56 (2006.01)**

[25] EN

[54] **SOLID FORMS OF 2-(5-(4-(2-MORPHOLINOETHOXY)PHENYL)PYRIDIN-2-YL)-N-BENZYLACETAMIDE**

[54] **FORMES SOLIDES DE 2-(5-(4-(2-MORPHOLINOETHOXY)PHENYL)PYRIDIN-2-YL)-N-BENZYLACETAMIDE**

[72] SMOLINSKI, MICHAEL P., US
[71] ATHENEX HK INNOVATIVE LIMITED, CN

[85] 2020-03-04
[86] 2018-09-07 (PCT/US2018/049829)
[87] (WO2019/051147)
[30] US (62/555,390) 2017-09-07

[21] **3,074,832**
[13] A1

[51] **Int.Cl. A61M 5/14 (2006.01) A61M 39/24 (2006.01)**

[25] EN

[54] **UMBRELLA CHECK VALVE**

[54] **CLAPET ANTI-RETOUR PARAPLUIE**

[72] MASON, EUGENE, US
[72] MANSOUR, GEORGE, US
[71] CAREFUSION 303, INC., US

[85] 2020-03-04
[86] 2018-09-07 (PCT/US2018/049987)
[87] (WO2019/051249)
[30] US (62/557,100) 2017-09-11

[21] **3,074,834**
[13] A1

[51] **Int.Cl. A61F 2/44 (2006.01) A61B 17/70 (2006.01) A61F 2/46 (2006.01)**

[25] EN

[54] **INTERVERTEBRAL IMPLANTS, INSTRUMENTS, AND METHODS**

[54] **IMPLANTS, INSTRUMENTS ET PROCEDES INTERVERTEBRAUX**

[72] TRUDEAU, JEFFREY L., US
[72] KAKUK, MICHAEL D., US
[72] HORVATH, STEPHEN JOHN, US
[72] BARRON, KATIE S., US
[72] CARTER, MICHAEL SIBLEY, US
[72] SKAW, BRENT E., US
[71] PIONEER SURGICAL TECHNOLOGY, INC., US

[85] 2020-03-04
[86] 2018-09-07 (PCT/US2018/050001)
[87] (WO2019/051260)
[30] US (62/555,966) 2017-09-08

[21] **3,074,835**
[13] A1

[51] **Int.Cl. E02F 3/407 (2006.01) E02F 3/32 (2006.01)**

[25] EN

[54] **BUCKET CLEANOUT**

[54] **NETTOYAGE DE GODET**

[72] ALTSTADT, DAVID, US
[72] GOSSEN, LUKE, US
[72] LAUGEN, JESSE, US
[72] LOEPP, KENNETH, US
[72] HIRSCHKORN, DORAN, US
[72] FRITZ, RILEY, US
[72] SCHANILEC, BENJAMIN, US
[72] REDMOND, CHASE, US
[72] ENDE, JOEL, US
[71] CLARK EQUIPMENT COMPANY, US

[85] 2020-03-04
[86] 2018-09-06 (PCT/US2018/049724)
[87] (WO2019/051070)
[30] US (62/554,722) 2017-09-06

PCT Applications Entering the National Phase

[21] **3,074,837**
[13] A1

[51] **Int.Cl. A61K 8/92 (2006.01) A61K 8/02 (2006.01) A61K 8/19 (2006.01) A61Q 15/00 (2006.01)**

[25] EN
[54] **DEODORANT COMPOSITION**
[54] **COMPOSITION DEODORANTE**
[72] VAN SETERS, MARTIJN PIETER, NL
[71] NUUD B.V., NL
[85] 2020-03-04
[86] 2018-09-06 (PCT/NL2018/050572)
[87] (WO2019/050399)
[30] NL (2019490) 2017-09-06
[30] NL (2021304) 2018-07-13

[21] **3,074,838**
[13] A1

[51] **Int.Cl. A61K 38/16 (2006.01) A61K 38/08 (2019.01) A61K 38/10 (2006.01) C07K 1/107 (2006.01) C07K 1/113 (2006.01) C07K 7/02 (2006.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01) C07K 14/435 (2006.01) C07K 14/47 (2006.01)**

[25] EN
[54] **AGENTS MODULATING BETA-CATENIN FUNCTIONS AND METHODS THEREOF**
[54] **AGENTS DE MODULATION DES FONCTIONS DE LA BETA-CATENINE ET METHODES ASSOCIEES**
[72] HILINSKI, GERARD, US
[72] SHIM, SO YOUN, US
[72] PATTON, MATTHEW REISER, US
[72] MCGEE, JOHN HANNEY, US
[72] ORTET, PAULA, US
[72] VERDINE, GREGORY L., US
[71] FOG PHARMACEUTICALS, INC., US
[85] 2020-03-04
[86] 2018-09-07 (PCT/US2018/050102)
[87] (WO2019/051327)
[30] US (62/555,519) 2017-09-07

[21] **3,074,839**
[13] A1

[51] **Int.Cl. C07K 14/74 (2006.01) A61K 48/00 (2006.01)**

[25] EN
[54] **T-CELL MODULATORY MULTIMERIC POLYPEPTIDE WITH CONJUGATION SITES AND METHODS OF USE THEREOF**
[54] **POLYPEPTIDE MULTIMERE MODULATEUR DE LYMPHOCYTE T AYANT DES SITES DE CONJUGAISON ET PROCEDES D'UTILISATION ASSOCIES**
[72] SEIDEL, RONALD D., III, US
[72] CHAPARRO, RODOLFO J., US
[72] ROSS, JOHN F., US
[72] LOW, CHEE MENG, US
[71] CUE BIOPHARMA, INC., US
[85] 2020-03-04
[86] 2018-09-06 (PCT/US2018/049803)
[87] (WO2019/051127)
[30] US (62/555,559) 2017-09-07
[30] US (62/609,082) 2017-12-21
[30] US (62/615,402) 2018-01-09

[21] **3,074,840**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) C12N 5/0783 (2010.01) C07K 16/30 (2006.01)**

[25] EN
[54] **PROTEINS BINDING NKG2D, CD16 AND A TUMOR-ASSOCIATED ANTIGEN**
[54] **PROTEINES DE LIAISON A NKG2D, CD16 ET UN ANTIGENE ASSOCIE A UNE TUMEUR**
[72] CHANG, GREGORY P., US
[72] CHEUNG, ANN F., US
[72] HANEY, WILLIAM, US
[72] LUNDE, BRADLEY M., US
[72] PRINZ, BIANKA, US
[72] GRINBERG, ASYA, US
[71] DRAGONFLY THERAPEUTICS, INC., US
[85] 2020-03-04
[86] 2018-09-07 (PCT/US2018/050073)
[87] (WO2019/051308)
[30] US (62/555,110) 2017-09-07
[30] US (62/566,824) 2017-10-02

[21] **3,074,841**
[13] A1

[51] **Int.Cl. G02F 1/1333 (2006.01) F21V 8/00 (2006.01) G02F 1/1335 (2006.01) G02F 1/13357 (2006.01) G02F 1/167 (2019.01)**

[25] EN
[54] **SELF-HEALING FLEXIBLE ELECTROPHORETIC DISPLAYS**
[54] **AFFICHAGES ELECTROPHORETIQUES FLEXIBLES AUTOREPARANTS**
[72] WANG, MING, US
[72] HOU, WEIHSIN, US
[72] MENON, ANOOP, US
[72] SPRAGUE, ROBERT ARTHUR, US
[72] MARASON, ERIC GIFFORD, US
[72] HUA, YUYAN, US
[72] CHENG, SHAN, US
[71] AMAZON TECHNOLOGIES, INC., US
[85] 2020-03-04
[86] 2018-09-11 (PCT/US2018/050429)
[87] (WO2019/055398)
[30] US (15/707,307) 2017-09-18

[21] **3,074,843**
[13] A1

[51] **Int.Cl. C08G 18/66 (2006.01) A61Q 5/06 (2006.01) C08G 18/08 (2006.01) C08G 18/32 (2006.01) C08G 18/46 (2006.01) C08G 18/75 (2006.01)**

[25] EN
[54] **LONG LASTING COSMETIC COMPOSITIONS**
[54] **COMPOSITIONS COSMETIQUES LONGUE DUREE**
[72] KANG, SOO-YOUNG, US
[72] JI, ZHAOXIA, US
[72] TURNER, SARA A., US
[72] TSENG, LING-FANG, US
[72] VILLANUEVA, DINARA A., US
[72] SPENGLER, ERIC G., US
[71] LIVING PROOF, INC., US
[85] 2020-03-04
[86] 2018-09-12 (PCT/US2018/050538)
[87] (WO2019/055440)
[30] US (62/557,823) 2017-09-13
[30] US (62/655,273) 2018-04-10

Demandes PCT entrant en phase nationale

[21] **3,074,844**
[13] A1

[51] **Int.Cl. E21B 7/06 (2006.01) E21B 17/10 (2006.01)**
[25] EN
[54] **ROTARY STEERABLE SYSTEM HAVING ACTUATOR WITH LINKAGE**
[54] **SYSTEME ORIENTABLE ROTATIF AYANT UN ACTIONNEUR A TRINGLERIE**
[72] CONGER, ROBERT, US
[72] FARLEY, STEVEN, US
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2020-03-04
[86] 2018-09-07 (PCT/US2018/050074)
[87] (WO2019/083621)
[30] US (15/796,844) 2017-10-29

[21] **3,074,845**
[13] A1

[51] **Int.Cl. C08G 18/66 (2006.01) A61K 8/87 (2006.01) A61Q 5/00 (2006.01) C08G 18/08 (2006.01) C08G 18/32 (2006.01) C08G 18/46 (2006.01) C08G 18/75 (2006.01)**
[25] EN
[54] **COLOR PROTECTANT COMPOSITIONS**
[54] **COMPOSITIONS DE PROTECTION DE COULEUR**
[72] KANG, SOO-YOUNG, US
[72] JI, ZHAOXIA, US
[72] TURNER, SARA A., US
[72] TSENG, LING-FANG, US
[72] VILLANUEVA, DINARA A., US
[72] SPENGLER, ERIC G., US
[71] LIVING PROOF, INC., US
[85] 2020-03-04
[86] 2018-09-12 (PCT/US2018/050546)
[87] (WO2019/055445)
[30] US (62/557,825) 2017-09-13
[30] US (62/655,275) 2018-04-10

[21] **3,074,848**
[13] A1

[51] **Int.Cl. C09D 101/02 (2006.01) C08L 1/02 (2006.01) C09D 101/00 (2006.01)**
[25] EN
[54] **CONTINUOUS ROLL-TO-ROLL FABRICATION OF CELLULOSE NANOCRYSTAL (CNC) COATINGS**
[54] **FABRICATION CONTINUE DE REVETEMENTS DE NANOCRISTAUX DE CELLULOSE (CNC) PAR UN PROCEDE ROULEAU A ROULEAU**
[72] YOUNGBLOOD, JEFFREY PAUL, US
[72] CHOWDHURY, REAZ, US
[72] NURUDDIN, MD, US
[71] PURDUE RESEARCH FOUNDATION, US
[85] 2020-03-04
[86] 2018-09-04 (PCT/US2018/049312)
[87] (WO2019/050819)
[30] US (62/555,084) 2017-09-07

[21] **3,074,849**
[13] A1

[25] EN
[54] **COMBINED SEQUENTIAL PARALLEL REACTOR CONFIGURATION**
[54] **CONFIGURATION DE REACTEURS PARALLELES SEQUENTIELS COMBINES**
[72] DAS, SHITAL, FI
[72] ALASTALO, KAUNO, FI
[71] BOREALIS AG, AT
[85] 2020-03-04
[86] 2018-10-23 (PCT/EP2018/079043)
[87] (WO2019/086300)
[30] EP (17200142.2) 2017-11-06

[21] **3,074,858**
[13] A1

[51] **Int.Cl. A61B 3/00 (2006.01) A61B 3/032 (2006.01) A61B 3/08 (2006.01) A61B 3/09 (2006.01) A61B 3/10 (2006.01) A61B 3/113 (2006.01) A61B 3/14 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MEASURING BINOCULAR ALIGNMENT**
[54] **PROCEDE ET SYSTEME DE MESURE D'ALIGNEMENT BINOCULAIRE**
[72] KRALL, JEFFREY P., US
[72] PLUMLEY, ARIC, US
[71] EYEBRAIN MEDICAL, INC., US
[85] 2020-03-04
[86] 2018-09-04 (PCT/US2018/049428)
[87] (WO2019/050877)
[30] US (15/696,161) 2017-09-05

[21] **3,074,859**
[13] A1

[51] **Int.Cl. A01N 63/00 (2020.01) A23K 10/18 (2016.01) A61K 35/66 (2015.01) C12N 1/20 (2006.01)**
[25] EN
[54] **PROCESSES FOR THE PREPARATION OF TREATED SEEDS**
[54] **PROCEDES POUR LA PREPARATION DE GRAINES TRAITES**
[72] ABRAHAM, WILLIAM, US
[72] AHMED, GULAM, US
[72] SELNESS, SHAUN RAJ, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2020-03-04
[86] 2018-09-12 (PCT/US2018/050591)
[87] (WO2019/055470)
[30] US (62/557,230) 2017-09-12

PCT Applications Entering the National Phase

[21] **3,074,860**
[13] A1

[51] **Int.Cl. E04F 13/08 (2006.01) E04B 1/82 (2006.01) E04B 1/84 (2006.01) E04B 2/74 (2006.01) E04B 9/00 (2006.01)**

[25] EN

[54] **RESILIENT WALLBOARD MOUNTING CHANNEL ACCOMMODATING STANDARD FASTENERS**

[54] **CANAL DE MONTAGE DE PANNEAU MURAL RESILIENT LOGEANT DES ELEMENTS DE FIXATION STANDARD**

[72] KALIGIAN, RAYMOND A., II, US

[72] LETTKEMAN, DENNIS M., US

[72] MACDONALD, PETER A., US

[72] FLEURY, BRETT, US

[72] MULLET, RANDY, US

[71] UNITED STATES GYPSUM COMPANY, US

[85] 2020-03-04

[86] 2018-09-12 (PCT/US2018/050645)

[87] (WO2019/055501)

[30] US (15/704,958) 2017-09-14

[21] **3,074,862**
[13] A1

[51] **Int.Cl. B21B 45/02 (2006.01)**

[25] EN

[54] **INDUSTRIAL FACILITY COMPRISING A CONTACTLESS WIPER**

[54] **INSTALLATION INDUSTRIELLE COMPORTANT UN ESSUYEUR SANS CONTACT**

[72] VERVAET, BART, BE

[72] UIJTDEBROEKS, HUGO, BE

[72] ADRIAEN, PEPIJN, BE

[72] MALBRANCKE, JURGEN, BE

[71] CENTRE DE RECHERCHES METALLURGIQUES ASBL - CENTRUM VOOR RESEARCH IN DEETALLURGIE VZW, BE

[85] 2020-03-03

[86] 2018-08-29 (PCT/EP2018/073263)

[87] (WO2019/043073)

[30] BE (2017/5614) 2017-09-04

[21] **3,074,863**
[13] A1

[51] **Int.Cl. F04D 17/16 (2006.01) H01M 8/04089 (2016.01) F04D 25/14 (2006.01) F04D 29/42 (2006.01) F04D 29/70 (2006.01)**

[25] EN

[54] **AIR INTAKE ASSEMBLY FOR CENTRIFUGAL BLOWER SYSTEM AND FUEL CELL INCORPORATING SAME**

[54] **ENSEMBLE D'ADMISSION D'AIR POUR SYSTEME DE VENTILATEUR CENTRIFUGE ET PILE A COMBUSTIBLE COMPRENANT CELUI-CI**

[72] FINNERTY, CAINE M., US

[72] DEWALD, PAUL, US

[71] WATT FUEL CELL CORP., US

[85] 2020-03-04

[86] 2018-09-12 (PCT/US2018/050593)

[87] (WO2019/055472)

[30] US (62/558,005) 2017-09-13

[21] **3,074,864**
[13] A1

[51] **Int.Cl. A46B 9/04 (2006.01) H02P 25/032 (2016.01) A61C 17/02 (2006.01) A61C 17/36 (2006.01) A61C 17/40 (2006.01) H02K 33/10 (2006.01) H02K 33/16 (2006.01) H02K 33/18 (2006.01)**

[25] EN

[54] **ELECTRIC TOOTHBRUSH WITH FLUID STREAMING CAPABILITY**

[54] **BROSSE A DENTS ELECTRIQUE A CAPACITE DE DIFFUSION DE FLUIDE**

[72] WAGNER, ROBERT D., US

[71] WATER PIK, INC., US

[85] 2020-03-04

[86] 2018-09-13 (PCT/US2018/050937)

[87] (WO2019/055694)

[30] US (62/558,123) 2017-09-13

[30] US (62/558,141) 2017-09-13

[21] **3,074,865**
[13] A1

[51] **Int.Cl. A61K 31/496 (2006.01) A61K 31/5513 (2006.01) B01D 15/08 (2006.01) C07D 215/22 (2006.01) C07D 417/12 (2006.01)**

[25] EN

[54] **METHODS OF DETECTION USING X-RAY FLUORESCENCE**

[54] **PROCEDES DE DETECTION UTILISANT LA FLUORESCENCE X**

[72] ZAHLER, NATHAN, US

[72] THEILE, JONATHAN, US

[71] ICAGEN, INC., US

[85] 2020-03-04

[86] 2018-09-14 (PCT/US2018/051025)

[87] (WO2019/055754)

[30] US (62/558,528) 2017-09-14

[21] **3,074,866**
[13] A1

[51] **Int.Cl. H01M 2/16 (2006.01) H01M 4/24 (2006.01) H01M 4/42 (2006.01) H01M 10/24 (2006.01)**

[25] EN

[54] **SEPARATOR FOR ALKALINE CELLS**

[54] **SEPARATEUR DESTINE A DES PILES ALCALINES**

[72] ARMACANQUI, M. EDGAR, US

[72] ROSZKOWSKI, ANDREW J., US

[72] CROWE, DONALD RAYMOND, US

[72] HADLEY, JOHN L., US

[72] TURBA, TIM F., US

[72] HENNEK, MATTHEW, US

[72] ZHU, GLORIA, US

[71] ENERGIZER BRANDS, LLC, US

[85] 2020-03-04

[86] 2018-09-14 (PCT/US2018/051095)

[87] (WO2019/055792)

[30] US (62/559,385) 2017-09-15

Demandes PCT entrant en phase nationale

[21] **3,074,867**
[13] A1

[51] **Int.Cl. A01H 6/28 (2018.01) A24D 1/02 (2006.01) D21H 19/06 (2006.01)**

[25] EN

[54] **PLANT PRODUCT INFUSED WITH OIL DERIVED FROM PLANTS OF THE CANNABIS GENUS AND METHOD OF INFUSION**

[54] **PRODUIT VEGETAL INFUSE AVEC UNE HUILE DERIVEE DE PLANTES DU GENRE CANNABIS ET PROCEDE D'INFUSION**

[72] BRUNSON, MICHAEL A, US
[71] BRUNSON, MICHAEL A, US
[85] 2020-03-04
[86] 2018-09-14 (PCT/US2018/051238)
[87] (WO2019/074614)
[30] US (62/559,255) 2017-09-15

[21] **3,074,868**
[13] A1

[51] **Int.Cl. A01C 1/06 (2006.01) A01G 7/06 (2006.01) A01H 17/00 (2006.01)**

[25] EN

[54] **METHODS OF IMPROVING STRESS TOLERANCE, GROWTH AND YIELD IN PLANTS**

[54] **PROCEDES D'AMELIORATION DE LA TOLERANCE AU STRESS, DE LA CROISSANCE ET DU RENDEMENT DE PLANTES**

[72] REDDY, SRIRAMA KRISHNA, US
[72] FALCO, KIMBERLY ANN, US
[72] SILVERMAN, FRANKLIN PAUL, US
[72] SURPIN, MARCI ANN, US
[72] WILSON, DALE O., US
[72] WOOLARD, DEREK D., US
[71] VALENT BIOSCIENCES LLC, US
[85] 2020-03-04
[86] 2018-09-19 (PCT/US2018/051634)
[87] (WO2019/060344)
[30] US (62/561,292) 2017-09-21
[30] US (62/591,379) 2017-11-28

[21] **3,074,871**
[13] A1

[51] **Int.Cl. B23K 20/06 (2006.01) H01F 38/08 (2006.01)**

[25] EN

[54] **EMPT COIL WITH EXCHANGEABLE CONDUCTOR**

[54] **BOBINE TIEM A CONDUCTEUR INTERCHANGEABLE**

[72] PASQUALE, PABLO, DE
[71] PSTPRODUCTS GMBH, DE
[85] 2020-03-04
[86] 2018-09-07 (PCT/DE2018/100764)
[87] (WO2019/063038)
[30] DE (10 2017 122 229.4) 2017-09-26

[21] **3,074,872**
[13] A1

[51] **Int.Cl. C12N 15/11 (2006.01) C12N 9/22 (2006.01) C12N 15/63 (2006.01)**

[25] EN

[54] **NUCLEASE SYSTEMS FOR GENETIC ENGINEERING**

[54] **SYSTEMES DE NUCLEASES POUR GENIE GENETIQUE**

[72] QI, LEI S., US
[72] CHOUDHRY, MODASSIR S., US
[72] LIN, XUEQIU, US
[72] XU, XIAOSHU, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[71] INTIMA BIOSCIENCE, INC., US
[85] 2020-02-28
[86] 2018-09-07 (PCT/US2018/050029)
[87] (WO2019/051278)
[30] US (62/555,564) 2017-09-07
[30] US (62/652,047) 2018-04-03

[21] **3,074,873**
[13] A1

[51] **Int.Cl. D21J 1/16 (2006.01) E04D 11/02 (2006.01) E04D 13/16 (2006.01)**

[25] EN

[54] **MINERAL FIBER ROOF COVER BOARDS**

[54] **PANNEAUX DE COUVERTURE DE TOIT EN FIBRES MINERALES**

[72] XU, WEI, US
[72] HUTCHINSON, DERRICK, US
[72] ROKKE, CHRISTOPHER J., US
[72] TUTTLE, LORI, US
[72] HOUGH, MICHAEL J., US
[71] UNITED STATES GYPSUM COMPANY, US
[85] 2020-03-04
[86] 2018-09-12 (PCT/US2018/050636)
[87] (WO2019/055496)
[30] US (62/557,863) 2017-09-13
[30] US (15/988,974) 2018-05-24

[21] **3,074,874**
[13] A1

[51] **Int.Cl. G06F 21/60 (2013.01) G06F 21/62 (2013.01)**

[25] EN

[54] **MESSAGE SOURCE DETECTION IN A VEHICLE BUS SYSTEM**

[54] **DETECTION DE SOURCE DE MESSAGE DANS UN SYSTEME DE BUS DE VEHICULE**

[72] BITTON, CHARLY, IL
[72] FOK, ALEXANDER, IL
[72] KAMIR, EYAL, IL
[72] MALKA, YONI, IL
[72] FREDKOF, ORIT, IL
[72] ZWICKL, LIRAN, IL
[72] DALI, MENI, IL
[72] FRIEDMAN, URIEL, IL
[71] ENIGMATOS LTD., IL
[85] 2020-03-03
[86] 2019-05-14 (PCT/IL2019/050544)
[87] (WO2020/021525)
[30] US (62/702,371) 2018-07-24

PCT Applications Entering the National Phase

[21] **3,074,875**
[13] A1

[51] **Int.Cl. E21B 19/16 (2006.01) B65H 51/18 (2006.01) F16L 1/06 (2006.01)**
[25] EN
[54] **TUBULAR GRIPPING DIE WITH IMPROVED TORQUE AND AXIAL LOAD HANDLING CAPABILITIES**
[54] **MATRICE DE PREHENSION TUBULAIRE AYANT DES CAPACITES AMELIOREES DE MANIPULATION DE COUPLE ET DE CHARGE AXIALE**
[72] SONNIER, GARETH DUSTIN, US
[72] MA, BIN, US
[71] MCCOY GLOBAL INC., CA
[85] 2020-03-05
[86] 2018-09-05 (PCT/CA2018/000167)
[87] (WO2019/046926)
[30] US (62/554,149) 2017-09-05

[21] **3,074,876**
[13] A1

[51] **Int.Cl. A61K 31/5377 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07D 413/10 (2006.01)**
[25] EN
[54] **COMBINATION THERAPIES FOR INHIBITION OF POLO-LIKE KINASE 4**
[54] **POLYTHERAPIES VISANT A INHIBER LA KINASE 4 DE TYPE POLO**
[72] MASON, JACQUELINE M., CA
[72] BRAY, MARK R., CA
[72] MAK, TAK WAH, CA
[72] FLETCHER, GRAHAM, CA
[71] UNIVERSITY HEALTH NETWORK, CA
[85] 2020-03-05
[86] 2018-09-07 (PCT/CA2018/051086)
[87] (WO2019/046949)
[30] US (62/555,718) 2017-09-08

[21] **3,074,877**
[13] A1

[51] **Int.Cl. A01J 5/017 (2006.01)**
[25] EN
[54] **MILKING ROBOT SYSTEM WITH IMPROVED TEAT DETECTOR**
[54] **SYSTEME DE ROBOT DE TRAITE AVEC DETECTEUR DE MAMELLES AMELIORE**
[72] DEELSTRA, JENTJE, NL
[72] KORTEKAAS, MARTINUS PETRUS, NL
[71] LELY PATENT N.V., NL
[85] 2020-03-03
[86] 2018-09-12 (PCT/NL2018/050596)
[87] (WO2019/059758)
[30] NL (2019574) 2017-09-19

[21] **3,074,878**
[13] A1

[51] **Int.Cl. C02F 3/00 (2006.01) C02F 1/00 (2006.01) C02F 3/28 (2006.01) C12M 1/34 (2006.01) C12M 1/36 (2006.01) C12Q 1/00 (2006.01) C12Q 3/00 (2006.01) G01N 27/327 (2006.01) G01N 27/416 (2006.01) C02F 1/46 (2006.01)**
[25] EN
[54] **BIO-ELECTROCHEMICAL SENSOR, SYSTEM AND METHOD FOR MONITORING AND CONTROLLING ORGANIC CARBON LEVELS IN A WASTEWATER TREATMENT PROCESS**
[54] **CAPTEUR BIOELECTROCHIMIQUE, SYSTEME ET PROCEDE DE SURVEILLANCE ET DE REGULATION DES NIVEAUX DE CARBONE ORGANIQUE DANS UN PROCESSUS DE TRAITEMENT D'EAUX USEES**
[72] KIELY, PATRICK DESMOND, CA
[72] AMBLER, JACK R., US
[72] RAGUSH, COLIN, CA
[71] ISLAND WATER TECHNOLOGIES INC., CA
[85] 2020-03-05
[86] 2018-09-07 (PCT/CA2018/051102)
[87] (WO2019/046963)

[21] **3,074,879**
[13] A1

[51] **Int.Cl. G06F 1/32 (2019.01)**
[25] EN
[54] **DISCONTINUOUS RECEPTION METHOD, NETWORK DEVICE AND TERMINAL DEVICE**
[54] **PROCEDE DE RECEPTION DISCONTINUE, DISPOSITIF DE RESEAU ET DISPOSITIF TERMINAL**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-03-05
[86] 2017-09-07 (PCT/CN2017/100957)
[87] (WO2019/047131)

[21] **3,074,880**
[13] A1

[51] **Int.Cl. A61B 34/00 (2016.01) A61B 50/13 (2016.01) A61B 90/00 (2016.01) A61B 17/00 (2006.01)**
[25] EN
[54] **MOBILE SURGICAL CONTROL CONSOLE**
[54] **CONSOLE DE COMMANDE CHIRURGICALE MOBILE**
[72] CHAMORRO, ANDRES, US
[72] CECIL, CAMERON, US
[72] PEINE, WILLIAM, US
[71] COVIDIEN LP, US
[85] 2020-03-03
[86] 2018-09-05 (PCT/US2018/049454)
[87] (WO2019/050883)
[30] US (62/554,638) 2017-09-06

[21] **3,074,881**
[13] A1

[51] **Int.Cl. H04W 16/28 (2009.01)**
[25] EN
[54] **INFORMATION PROCESSING METHOD, HIGH-LAYER FUNCTIONAL ENTITY AND COMPUTER STORAGE MEDIUM**
[54] **PROCEDE DE TRAITEMENT D'INFORMATIONS, ENTITE FONCTIONNELLE DE HAUT NIVEAU ET SUPPORT DE STOCKAGE INFORMATIQUE**
[72] YANG, NING, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-03-05
[86] 2017-09-12 (PCT/CN2017/101413)
[87] (WO2019/051644)

Demandes PCT entrant en phase nationale

[21] **3,074,882**
[13] A1

[51] **Int.Cl. H04W 64/00 (2009.01)**
[25] EN
[54] **OBSERVED TIME DIFFERENCE OF ARRIVAL (OTDOA) POSITIONING IN WIRELESS COMMUNICATION NETWORKS**
[54] **POSITIONNEMENT OBSERVE DE DIFFERENCE DE TEMPS D'ARRIVEE (OTDOA) DANS DES RESEAUX DE COMMUNICATION SANS FIL**
[72] TENNY, NATHAN EDWARD, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-03-05
[86] 2018-08-07 (PCT/CN2018/099217)
[87] (WO2019/062337)
[30] US (15/721,051) 2017-09-29

[21] **3,074,884**
[13] A1

[51] **Int.Cl. A61F 13/532 (2006.01) A61F 13/15 (2006.01) A61F 13/539 (2006.01)**
[25] EN
[54] **ABSORBENT ARTICLE WITH CHANNELS AND METHOD FOR MANUFACTURING THEREOF**
[54] **ARTICLE ABSORBANT AYANT DES CANAUX ET SON PROCEDE DE FABRICATION**
[72] SMET, STEVEN, BE
[72] VAN INGELGEM, WERNER, BE
[72] DERYCKE, TOM, BE
[71] DRYLOCK TECHNOLOGIES NV, BE
[85] 2020-03-05
[86] 2018-09-04 (PCT/EP2018/073665)
[87] (WO2019/048397)
[30] EP (17190395.8) 2017-09-11
[30] EP (17195872.1) 2017-10-11

[21] **3,074,886**
[13] A1

[51] **Int.Cl. A61F 2/07 (2013.01) A61F 2/06 (2013.01) A61F 2/82 (2013.01)**
[25] EN
[54] **AORTOILIAC IMPLANT AND PROCESSING AND USES THEREOF**
[54] **IMPLANT AORTO-ILIAQUE ET TRAITEMENT ET UTILISATIONS ASSOCIES**
[72] JONES, ALYCE LINTHURST, US
[72] SCHULTE, JASON B., US
[72] MOORE, ERIC, US
[72] LANGE, PERRY L., US
[72] NAGAO, REX, US
[71] LIFENET HEALTH, US
[85] 2020-03-04
[86] 2018-09-19 (PCT/US2018/051800)
[87] (WO2019/060445)
[30] US (62/560,463) 2017-09-19

[21] **3,074,883**
[13] A1

[51] **Int.Cl. H05B 6/10 (2006.01) A24F 47/00 (2020.01) H01F 38/14 (2006.01) H02J 7/02 (2016.01)**
[25] EN
[54] **INDUCTION HEATING ASSEMBLY FOR A VAPOUR GENERATING DEVICE**
[54] **ENSEMBLE DE CHAUFFAGE PAR INDUCTION POUR UN DISPOSITIF DE GENERATION DE VAPEUR**
[72] GILL, MARK, GB
[71] JT INTERNATIONAL SA, CH
[85] 2020-03-05
[86] 2018-09-03 (PCT/EP2018/073616)
[87] (WO2019/048379)
[30] EP (17189677.2) 2017-09-06

[21] **3,074,885**
[13] A1

[51] **Int.Cl. C07D 231/00 (2006.01) A61K 31/195 (2006.01) A61K 31/415 (2006.01) A61K 31/416 (2006.01) A61P 35/00 (2006.01) C07C 233/09 (2006.01) C07D 231/54 (2006.01)**
[25] EN
[54] **AROMATIC DERIVATIVE, PREPARATION METHOD FOR SAME, AND MEDICAL APPLICATIONS THEREOF**
[54] **DERIVE AROMATIQUE, SON PROCEDE DE PREPARATION, ET SES APPLICATIONS MEDICALES**
[72] SHAO, NING, CN
[72] WANG, DING, CN
[72] YUAN, HONGBIN, CN
[72] KAYSER, FRANK, US
[71] BIOARDIS LLC, US
[85] 2020-03-05
[86] 2018-09-04 (PCT/CN2018/104007)
[87] (WO2019/047826)
[30] CN (201710791233.1) 2017-09-05

[21] **3,074,887**
[13] A1

[51] **Int.Cl. G01L 7/16 (2006.01) G01L 19/10 (2006.01) G01L 19/12 (2006.01)**
[25] EN
[54] **PRESSURE INDICATOR**
[54] **INDICATEUR DE PRESSION**
[72] WORTMAN, SETH ANDREW, US
[72] MOUTRAY, BRAD JAMES, US
[71] HEXAGON TECHNOLOGY AS, NO
[85] 2020-03-04
[86] 2018-09-20 (PCT/US2018/051885)
[87] (WO2019/070409)
[30] US (62/568,501) 2017-10-05

[21] **3,074,888**
[13] A1

[51] **Int.Cl. B65G 23/08 (2006.01) H02K 7/10 (2006.01) H02K 9/00 (2006.01)**
[25] EN
[54] **MOTOR-DRIVEN CONVEYOR ROLLER WITH COOLING SLEEVE PRESSED INTO THE DRUM TUBE**
[54] **ROULEAU DE TRANSPORT ENTRAINE PAR MOTEUR AVEC REFROIDISSEMENT ENFONCE DANS LE TUBE DE TAMBOUR**
[72] DOROK, RALF, CH
[72] WEICHBRODT, REINHOLD, CH
[71] INTERROLL HOLDING AG, CH
[85] 2020-03-05
[86] 2018-09-05 (PCT/EP2018/073849)
[87] (WO2019/052871)
[30] DE (10 2017 121 486.0) 2017-09-15

PCT Applications Entering the National Phase

[21] **3,074,889**
[13] A1

[51] **Int.Cl. G02F 1/39 (2006.01) H01S 3/067 (2006.01) H01S 3/16 (2006.01)**
[25] EN
[54] **MICRO-OPTICAL BENCH ARCHITECTURE FOR MASTER OSCILLATOR POWER AMPLIFIER (MOPA)**
[54] **ARCHITECTURE DE BANC MICRO-OPTIQUE POUR MAITRE OSCILLATEUR ET AMPLIFICATEUR DE PUISSANCE (MOPA)**
[72] MAGNE, JULIEN, CN
[72] HOLEHOUSE, NIGEL, CN
[72] CAPLETTE, STEPHANE, CN
[72] XIE, HONG, CN
[71] ITF TECHNOLOGIES INC., CN
[71] O-NET COMMUNICATIONS (SHENZHEN) LIMITED, CN
[85] 2020-03-05
[86] 2018-09-06 (PCT/CN2018/104422)
[87] (WO2019/047900)
[30] US (62/554,988) 2017-09-06

[21] **3,074,890**
[13] A1

[51] **Int.Cl. A61K 9/19 (2006.01) A61K 9/08 (2006.01) A61K 47/02 (2006.01) A61K 47/26 (2006.01)**
[25] EN
[54] **FORMULATIONS OF COPANLISIB**
[54] **FORMULATIONS DE COPANLISIB**
[72] FREUNDLIEB, JULIA, DE
[72] JACOBS, TIA, DE
[71] BAYER CONSUMER CARE AG, CH
[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[85] 2020-03-05
[86] 2018-09-06 (PCT/EP2018/073965)
[87] (WO2019/048527)
[30] EP (17190117.6) 2017-09-08
[30] EP (17207771.1) 2017-12-15

[21] **3,074,891**
[13] A1

[51] **Int.Cl. C07D 413/04 (2006.01) A61K 31/4155 (2006.01) A61P 1/04 (2006.01) A61P 5/14 (2006.01) A61P 9/10 (2006.01) A61P 17/06 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **1-(4-(ISOXAZOL-5-YL)-1H-PYRAZOL-1-YL)-2-METHYLPROPAN-2-OL DERIVATIVES AND RELATED COMPOUNDS AS IL-17 AND IFN-GAMMA INHIBITORS FOR TREATING AUTOIMMUNE DISEASES AND CHRONIC INFLAMMATION**
[54] **DERIVES DE 1-(4-(ISOXAZOL-5-YL)-1 H-PYRAZOL-1-YL)-2-METHYLPROPAN-2-OL ET COMPOSES APPARENTES EN TANT QU'INHIBITEURS D'IL-17 ET D'IFN-GAMMA POUR LE TRAITEMENT DE MALADIES AUTO-IMMUNES ET D'UNE INFLAMMATION CHRONIQUE**
[72] FELDING, JAKOB, DK
[72] KOHLHOF, HELLA, DE
[72] GROPPPEL, MANFRED, DE
[72] MUHLER, ROLF ANDREAS, DE
[72] VITT, DANIEL, DE
[72] CHEVRIER, CARINE, DE
[72] ZAJA, MIRKO, DE
[72] TASLER, STEFAN, DE
[71] IMMUNIC AG, DE
[85] 2020-03-05
[86] 2018-09-06 (PCT/EP2018/073993)
[87] (WO2019/048541)
[30] EP (17189652.5) 2017-09-06

[21] **3,074,892**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **A SYSTEM AND A METHOD FOR MANAGING THE OPERATIONS OF A COMMERCIAL TRANSPORTATION VEHICLE**
[54] **SYSTEME ET PROCEDE DE GESTION D'OPERATIONS D'UN VEHICULE DE TRANSPORT COMMERCIAL**
[72] DE MUNCK, WIM, BE
[72] DE WINNE, TOM, BE
[72] VAN DEN BERGH, KRIS, BE
[71] AVIOVISION, BE
[85] 2020-03-05
[86] 2017-09-06 (PCT/EP2017/072384)
[87] (WO2019/048039)

[21] **3,074,893**
[13] A1

[51] **Int.Cl. A23L 29/269 (2016.01) A23L 33/10 (2016.01) A23L 33/16 (2016.01) A61K 31/19 (2006.01) A61K 33/06 (2006.01)**
[25] EN
[54] **COMPOSITION FOR CALCIUM SUPPLEMENTATION**
[54] **COMPOSITION DE SUPPLEMENTATION EN CALCIUM**
[72] DINI, LAURA, IT
[72] NEGGIANI, FABIO, IT
[72] ZANATTA, SAMUELE, IT
[71] ABIOTEN PHARMA S.P.A., IT
[85] 2020-03-05
[86] 2018-09-06 (PCT/EP2018/073979)
[87] (WO2019/048532)
[30] IT (102017000099690) 2017-09-06

[21] **3,074,894**
[13] A1

[51] **Int.Cl. G01J 9/02 (2006.01) G01J 1/42 (2006.01)**
[25] EN
[54] **LASER DETECTION SYSTEM**
[54] **SYSTEME DE DETECTION LASER**
[72] BENTON, DAVID, GB
[71] ASTON UNIVERSITY, GB
[85] 2020-03-05
[86] 2018-09-07 (PCT/EP2018/074226)
[87] (WO2019/048650)
[30] GB (1714371.0) 2017-09-07

[21] **3,074,895**
[13] A1

[51] **Int.Cl. A61J 3/00 (2006.01) A61J 1/20 (2006.01) B01F 13/00 (2006.01)**
[25] EN
[54] **VALVE UNIT FOR A SYSTEM FOR PRODUCING A MEDICAL PREPARATION**
[54] **BLOC VANNES DESTINE A UNE INSTALLATION DE PRODUCTION D'UNE PREPARATION MEDICALE**
[72] BIEHL, MARTIN, DE
[72] HOCK, MICHAEL, DE
[72] TIEDEMANN, LOTHAR, DE
[72] BUETTNER, KLAUS, DE
[71] FRESENIUS KABI DEUTSCHLAND GMBH, DE
[85] 2020-03-05
[86] 2018-08-22 (PCT/EP2018/072638)
[87] (WO2019/038318)
[30] EP (17187513.1) 2017-08-23

Demandes PCT entrant en phase nationale

[21] **3,074,896**
[13] A1

[51] **Int.Cl. F42B 12/06 (2006.01) F42B 12/20 (2006.01) F42B 12/74 (2006.01) F42B 12/78 (2006.01)**

[25] EN

[54] **FULL JACKET SAFETY PROJECTILE, PARTICULARLY FOR MULTIPURPOSE APPLICATIONS**

[54] **PROJECTILE DE SECURITE BLINDE CONCU EN PARTICULIER POUR DES APPLICATIONS POLYVALENTES**

[72] MUSTER, MICHAEL, CH

[71] RUAG AMMOTEC AG, CH

[85] 2020-03-05

[86] 2018-09-10 (PCT/EP2018/074315)

[87] (WO2019/048678)

[30] IB (PCT/IB2017/055447) 2017-09-09

[21] **3,074,898**
[13] A1

[51] **Int.Cl. H01R 31/06 (2006.01)**

[25] EN

[54] **CHARGING CABLE AND ADAPTER FOR ELECTRICALLY CHARGING A STORED ENERGY SOURCE AT AN ENERGY SUPPLY DEVICE**

[54] **CABLE DE CHARGE ET ADAPTATEUR POUR LA CHARGE ELECTRIQUE D'UN ACCUMULATEUR D'ENERGIE A UN DISPOSITIF D'ALIMENTATION EN ENERGIE**

[72] NIEDERL, DIETMAR, AT

[71] NIEDERL, DIETMAR, AT

[85] 2020-03-05

[86] 2018-09-10 (PCT/EP2018/074342)

[87] (WO2019/052963)

[30] EP (17190674.6) 2017-09-12

[21] **3,074,901**
[13] A1

[51] **Int.Cl. C12N 5/079 (2010.01) C12N 5/09 (2010.01) A61K 35/13 (2015.01) G01N 33/50 (2006.01)**

[25] EN

[54] **TUMOR ORGANOID MODEL MODELE D'ORGANOIDE TUMORAL**

[72] KNOBLICH, JURGEN, AT

[72] BIAN, SHAN, AT

[71] IMBA - INSTITUT FUR MOLEKULARE BIOTECHNOLOGIE GMBH, AT

[85] 2020-03-05

[86] 2018-09-11 (PCT/EP2018/074382)

[87] (WO2019/048689)

[30] EP (17190447.7) 2017-09-11

[21] **3,074,903**
[13] A1

[51] **Int.Cl. A01N 25/10 (2006.01) A01N 25/02 (2006.01) A01N 25/30 (2006.01)**

[25] EN

[54] **WATER CONDITIONING AND DRIFT CONTROL COMPOSITIONS AND METHODS OF USE**

[54] **COMPOSITIONS DE CONDITIONNEMENT D'EAU ET PREVENTION DE LA DERIVE DES GOUTTELETTES ET PROCEDES D'UTILISATION**

[72] LIU, HONG, US

[72] BAO, CHUNHUI, US

[72] KESAVAN, SUBRAMANIAN, US

[72] MANZI-NSHUTI, CHARLES, US

[71] RHODIA OPERATIONS, FR

[85] 2020-03-04

[86] 2018-09-21 (PCT/US2018/052132)

[87] (WO2019/060664)

[30] US (62/561,755) 2017-09-22

[21] **3,074,906**
[13] A1

[51] **Int.Cl. A01D 34/535 (2006.01) A01D 34/412 (2006.01) A01D 34/42 (2006.01) A01D 34/52 (2006.01) B02C 18/18 (2006.01)**

[25] EN

[54] **LAND CLEARING ATTACHMENT AND ROTOR FOR THE SAME**

[54] **ACCESSOIRE DE DEGAGEMENT DE TERRAIN ET ROTOR ASSOCIE**

[72] BOWLING, MARK G., US

[71] BOWLING, MARK G., US

[85] 2020-03-04

[86] 2018-09-21 (PCT/US2018/052155)

[87] (WO2019/060674)

[30] US (62/562,092) 2017-09-22

[30] US (16/135,101) 2018-09-19

[21] **3,074,908**
[13] A1

[51] **Int.Cl. F25J 1/00 (2006.01) F25J 1/02 (2006.01)**

[25] EN

[54] **MIXED REFRIGERANT SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE DE FLUIDE FRIGORIGENE MELANGE**

[72] DUCOTE, JR., DOUGLAS A., US

[72] GUSHANAS, TIMOTHY, US

[71] CHART ENERGY & CHEMICALS, INC., US

[85] 2020-03-04

[86] 2018-09-21 (PCT/US2018/052219)

[87] (WO2019/060724)

[30] US (62/561,417) 2017-09-21

[21] **3,074,909**
[13] A1

[51] **Int.Cl. B29C 45/17 (2006.01) B29C 45/26 (2006.01)**

[25] EN

[54] **BLIND INSTALLATION OF INJECTION MOLD COMPONENTS**

[54] **INSTALLATION AVEUGLE D'ELEMENTS DE MOULE D'INJECTION**

[72] FAULKNER, JAMES D., US

[72] JONES, CASEY, US

[71] F&S TOOL, INC., US

[85] 2020-03-04

[86] 2018-09-25 (PCT/US2018/052623)

[87] (WO2019/067437)

[30] US (62/565,998) 2017-09-29

[30] US (62/647,100) 2018-03-23

[30] US (62/672,381) 2018-05-16

PCT Applications Entering the National Phase

[21] **3,074,910**
[13] A1

[51] **Int.Cl. C12N 5/071 (2010.01)**
[25] EN
[54] **ENRICHMENT OF NKX6.1 AND C-PEPTIDE CO-EXPRESSING CELLS DERIVED IN VITRO FROM STEM CELLS**

[54] **ENRICHISSEMENT DE CELLULES COEXPRIMANT NKX6.1 ET LE PEPTIDE C, DERIVEES IN VITRO A PARTIR DE CELLULES SOUCHES**

[72] KIRKEGAARD, JEANNETTE
SCHLICHTING, DK

[71] NOVO NORDISK A/S, DK
[85] 2020-03-05
[86] 2018-09-11 (PCT/EP2018/074390)
[87] (WO2019/048690)
[30] EP (17190412.1) 2017-09-11

[21] **3,074,911**
[13] A1

[51] **Int.Cl. F16J 12/00 (2006.01) A23L 3/015 (2006.01) F04B 43/08 (2006.01) F16J 13/00 (2006.01)**

[25] EN
[54] **PLUG, MACHINE AND METHOD FOR HIGH-PRESSURE PROCESSING**

[54] **BOUCHON, MACHINE ET PROCEDE POUR TRAITEMENT SOUS HAUTES PRESSIONS**

[72] LOPEZ ONDEVILLA, RAUL, ES
[72] GARCIA REIZABAL, RUBEN, ES
[72] TARRAGO MINGO, SANTIAGO, ES
[72] HERNANDO SAIZ, ANDRES FELIPE, ES
[72] BURGGRAAF, WOUTER NICOLAAS ANDRIES, ES
[71] HIPERBARIC, S.A., ES
[85] 2020-03-05
[86] 2017-09-07 (PCT/ES2017/070600)
[87] (WO2019/048716)

[21] **3,074,913**
[13] A1

[51] **Int.Cl. C07F 15/02 (2006.01) B82Y 30/00 (2011.01) B82Y 40/00 (2011.01) B01J 20/20 (2006.01) B01J 20/30 (2006.01) B01J 23/745 (2006.01) B01J 29/072 (2006.01) C01B 39/02 (2006.01) C01B 39/52 (2006.01)**

[25] EN
[54] **IRON ZEOLITIC IMIDAZOLATE FRAMEWORK (ZIF), THE PROCESS FOR PRODUCING IT AND A DERIVED NANOCOMPOSITE**

[54] **RESEAU IMIDAZOLATE ZEOLITIQUE DE FER, PROCEDE D'OBTENTION DE CELUI-CI ET NANOCOMPOSITE DERIVE DE CELUI-CI**

[72] MINGUEZ ESPALLARGAS, GUILLERMO, ES
[72] LOPEZ CABRELLES, JAVIER, ES
[72] ROMERO PASCUAL, JORGE, ES
[72] CORONADO MIRALLES, EUGENIO, ES
[71] UNIVERSITAT DE VALENCIA, ES
[85] 2020-03-05
[86] 2018-09-12 (PCT/ES2018/070593)
[87] (WO2019/053312)
[30] ES (P201731106) 2017-09-12

[21] **3,074,914**
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **ASSAY FOR THE DETECTION OF ALPHA-SYNUCLEIN SEEDING ACTIVITY ASSOCIATED WITH SYNUCLEINOPATHIES**

[54] **DOSAGE POUR LA DETECTION D'UNE ACTIVITE D'ENSEMENCEMENT D'ALPHA-SYNUCLEINE ASSOCIEE A DES SYNUCLEINOPATHIES**

[72] RAYMOND, LYNNE DEPUMA, US
[72] CAUGHEY, BYRON WINSLOW, US
[72] GROVEMAN, CHRISTINA DORIANA, US
[72] HUGHSON, ANDREW GREGORY, US
[72] GROVEMAN, BRADLEY RICHARD, US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMT OF HEALTH AND HUMAN SERVICES, US
[85] 2020-03-04
[86] 2018-09-26 (PCT/US2018/052968)
[87] (WO2019/070480)
[30] US (62/567,079) 2017-10-02

[21] **3,074,915**
[13] A1

[51] **Int.Cl. B28B 7/00 (2006.01) E04G 5/00 (2006.01) E04G 17/00 (2006.01) G06K 19/07 (2006.01) G06K 19/077 (2006.01) G09F 3/16 (2006.01) G09F 3/18 (2006.01) H01Q 13/10 (2006.01)**

[25] EN
[54] **DEVICE FOR INSERTING A TRANSPONDER**

[54] **DISPOSITIF D'INSERTION D'UN TRANSPONDEUR**

[72] SPAN, WOLFGANG, DE
[71] PERI GMBH, DE
[85] 2020-03-05
[86] 2018-09-12 (PCT/EP2018/074564)
[87] (WO2019/053044)
[30] DE (10 2017 121 290.6) 2017-09-14

Demandes PCT entrant en phase nationale

[21] **3,074,917**
[13] A1

[51] **Int.Cl. B65D 75/58 (2006.01) B65D 47/14 (2006.01)**
[25] EN
[54] **EASY TO REMOVE CAP DESIGN**
[54] **CONCEPTION DE CAPUCHON FACILE A RETIRER**
[72] JOHNSON, JAMES W., US
[71] LIQUI-BOX CORPORATION, US
[85] 2020-03-04
[86] 2018-09-27 (PCT/US2018/053019)
[87] (WO2019/067663)
[30] US (62/564,061) 2017-09-27

[21] **3,074,919**
[13] A1

[51] **Int.Cl. C07K 14/725 (2006.01) C12N 5/0783 (2010.01) C12N 15/86 (2006.01)**
[25] EN
[54] **RNA REPLICON FOR EXPRESSING A T CELL RECEPTOR OR AN ARTIFICIAL T CELL RECEPTOR**
[54] **REPLICON D'ARN PERMETTANT D'EXPRIMER UN RECEPTEUR DE LYMPHOCYTE T OU UN RECEPTEUR DE LYMPHOCYTE T ARTIFICIEL**
[72] OEHM, PETRA, DE
[72] PERKOVIC, MARIO, DE
[72] SAHIN, UGUR, DE
[72] BEISSERT, TIM, DE
[71] BIONTECH CELL & GENE THERAPIES GMBH, DE
[71] TRON - TRANSLATIONALE ONKOLOGIE AN DER UNIVERSITÄTSMEDIZIN DER JOHANNEGUTENBERG-UNIVERSITÄT MAINZ GEMEINNUTZIGE GMBH, DE
[85] 2020-03-05
[86] 2018-09-12 (PCT/EP2018/074592)
[87] (WO2019/053056)
[30] EP (PCT/EP2017/073054) 2017-09-13

[21] **3,074,922**
[13] A1

[51] **Int.Cl. G01N 27/07 (2006.01) G01N 27/22 (2006.01) G01N 33/28 (2006.01) G01R 27/22 (2006.01) G01R 27/26 (2006.01) G01N 33/02 (2006.01) G01N 33/34 (2006.01)**
[25] EN
[54] **ELECTRICAL TOMOGRAPHY FOR VERTICAL PROFILING**
[54] **TOMOGRAPHIE ELECTRIQUE DE PROFILAGE VERTICAL**
[72] LAAKKONEN, PASI, FI
[72] LEHIKONEN, ANSSI, FI
[72] MONONEN, MIKA, FI
[72] VOUTILAINEN, ARTO, FI
[71] ROCSOLE LTD, FI
[85] 2020-03-05
[86] 2017-09-06 (PCT/FI2017/050628)
[87] (WO2019/048727)

[21] **3,074,923**
[13] A1

[51] **Int.Cl. A61K 31/407 (2006.01) A61P 25/00 (2006.01) C07D 487/10 (2006.01)**
[25] EN
[54] **NOVEL SALTS**
[54] **NOUVEAUX SELS**
[72] GIBLIN, GERARD M.P., US
[72] MACPHERSON, DAVID T., US
[72] WILLIAMS, MICHAEL, US
[72] WITTY, DAVID R., US
[72] NORTHEN, JULIAN, US
[72] VASUDEVAN, KALYAN, US
[71] BIOGEN INC., US
[85] 2020-03-04
[86] 2018-09-28 (PCT/US2018/053520)
[87] (WO2019/067961)
[30] US (62/564,744) 2017-09-28

[21] **3,074,925**
[13] A1

[51] **Int.Cl. C07C 5/48 (2006.01) C07C 7/00 (2006.01) C07C 7/04 (2006.01) C07C 7/09 (2006.01) C07C 7/12 (2006.01) C07C 11/04 (2006.01)**
[25] EN
[54] **METHOD AND PLANT FOR PRODUCING ETHYLENE**
[54] **PROCEDE ET INSTALLATION POUR FABRIQUER DE L'ETHYLENE**
[72] FRITZ, HELMUT, DE
[72] OBERMEIER, ANDREAS, DE
[72] PESCHEL, ANDREAS, DE
[72] DUC, TUAT PHAM, DE
[72] TOTA, DESISLAVA, DE
[71] LINDE AKTIENGESELLSCHAFT, DE
[85] 2020-03-05
[86] 2018-09-13 (PCT/EP2018/074733)
[87] (WO2019/053122)
[30] EP (17190901.3) 2017-09-13

[21] **3,074,926**
[13] A1

[51] **Int.Cl. B67B 7/16 (2006.01) A23L 2/52 (2006.01)**
[25] EN
[54] **BOTTLE OPENING AND ADDITIVE DISPENSING APPARATUS**
[54] **OUVERTURE DE BOUTEILLE ET APPAREIL DE DISTRIBUTION D'ADDITIF**
[72] LONGMAN, DANIEL, GB
[72] SHEA-SIMONDS, DUNCAN, GB
[72] HODGES, KEVIN, GB
[71] HODGES & DRAKE DESIGN LIMITED, GB
[85] 2020-03-05
[86] 2017-11-20 (PCT/GB2017/053485)
[87] (WO2018/096323)
[30] GB (1619695.8) 2016-11-22
[30] GB (1704785.3) 2017-03-27

PCT Applications Entering the National Phase

[21] **3,074,927**
[13] A1

[51] **Int.Cl. A61N 1/18 (2006.01) B01D 57/02 (2006.01) B01L 3/00 (2006.01) C07K 17/04 (2006.01) C12M 1/42 (2006.01) C12N 15/87 (2006.01) G01N 33/48 (2006.01)**

[25] EN

[54] **FLOW THROUGH ELECTROPORATION INSTRUMENTATION**

[54] **INSTRUMENTATION D'ELECTROPORATION A FLUX CONTINU**

[72] BERNATE, JORGE, US
[72] MASQUELIER, DON, US
[71] INSCRIPTA, INC., US
[85] 2020-03-04
[86] 2018-09-28 (PCT/US2018/053608)
[87] (WO2019/068022)
[30] US (62/566,374) 2017-09-30
[30] US (62/566,375) 2017-09-30
[30] US (62/566,688) 2017-10-02
[30] US (62/567,697) 2017-10-03
[30] US (62/620,370) 2018-01-22
[30] US (62/648,130) 2018-03-26
[30] US (62/649,731) 2018-03-29
[30] US (62/657,654) 2018-04-13
[30] US (62/657,651) 2018-04-13
[30] US (62/671,385) 2018-05-14
[30] US (62/689,068) 2018-06-23

[21] **3,074,929**
[13] A1

[51] **Int.Cl. C12M 1/42 (2006.01) C12N 13/00 (2006.01) C12N 15/00 (2006.01)**

[25] EN

[54] **AUTOMATED CELL PROCESSING METHODS, MODULES, INSTRUMENTS, AND SYSTEMS COMPRISING FLOW-THROUGH ELECTROPORATION DEVICES**

[54] **PROCEDES, MODULES, INSTRUMENTS ET SYSTEMES DE TRAITEMENT AUTOMATISE DE CELLULES, ET SYSTEMES CREPARENT DES DISPOSITIFS D'ELECTROPORATION A FLUX CONTINU**

[72] BERNATE, JORGE, US
[72] MASQUELIER, DON, US
[72] BELGRADER, PHILLIP, US
[72] NESS, KEVIN, US
[71] INSCRIPTA, INC., US
[85] 2020-03-04
[86] 2018-09-30 (PCT/US2018/053670)
[87] (WO2019/068061)
[30] US (62/566,375) 2017-09-30
[30] US (62/566,374) 2017-09-30
[30] US (62/566,688) 2017-10-02
[30] US (62/567,697) 2017-10-03
[30] US (62/620,370) 2018-01-22
[30] US (62/648,130) 2018-03-26
[30] US (62/649,731) 2018-03-29
[30] US (62/657,654) 2018-04-13
[30] US (62/657,651) 2018-04-13
[30] US (62/671,385) 2018-05-14
[30] US (62/689,068) 2018-06-23

[21] **3,074,930**
[13] A1

[51] **Int.Cl. B65G 1/16 (2006.01) G06Q 10/08 (2012.01) F21K 9/00 (2016.01) F21S 4/20 (2016.01) A47F 7/00 (2006.01) A47F 7/28 (2006.01) G08B 5/36 (2006.01)**

[25] EN

[54] **DISPENSING AND LIVE INVENTORY MANAGEMENT SYSTEM AND METHODS THEREOF**

[54] **SYSTEME DE GESTION D'INVENTAIRE EN DIRECT ET DE DISTRIBUTION ET PROCEDES ASSOCIES**

[72] DRAGO, PATRICK, CA
[72] KEEVERS, MARTIN, CA
[71] VDMS CANADA INC., CA
[85] 2020-03-05
[86] 2018-09-07 (PCT/IB2018/001135)
[87] (WO2019/048931)
[30] US (62/555,805) 2017-09-08

[21] **3,074,931**
[13] A1

[51] **Int.Cl. H04N 19/54 (2014.01) H04N 19/109 (2014.01) H04N 19/147 (2014.01) H04N 19/174 (2014.01) H04N 19/176 (2014.01) H04N 19/70 (2014.01)**

[25] EN

[54] **AFFINE PREDICTION IN VIDEO CODING**

[54] **PREDICTION AFFINE POUR LE CODAGE VIDEO**

[72] ZHANG, KAI, US
[72] CHEN, JIANLE, US
[72] ZHAO, XIN, US
[72] KARCZEWICZ, MARTA, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-03-04
[86] 2018-10-10 (PCT/US2018/055209)
[87] (WO2019/075058)
[30] US (62/570,417) 2017-10-10
[30] US (16/155,744) 2018-10-09

[21] **3,074,933**
[13] A1

[51] **Int.Cl. C07K 14/705 (2006.01) A61K 38/00 (2006.01)**

[25] EN

[54] **ANTIBODIES HAVING SPECIFICITY FOR BTN2 AND USES THEREOF**

[54] **ANTICORPS PRESENTANT UNE SPECIFICITE POUR BTN2 ET LEURS UTILISATIONS**

[72] OLIVE, DANIEL, FR
[72] PASERO, CHRISTINE, FR
[71] IMCHECK THERAPEUTICS SAS, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] INSTITUT JEAN PAOLI & IRENE CALMETTES, FR
[71] UNIVERSITE D'AIX-MARSEILLE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS -, FR
[85] 2020-03-05
[86] 2018-09-21 (PCT/EP2018/075689)
[87] (WO2019/057933)
[30] EP (17306238.1) 2017-09-21
[30] EP (17306563.2) 2017-11-10

Demandes PCT entrant en phase nationale

[21] **3,074,934**
[13] A1

[51] **Int.Cl. C11D 3/40 (2006.01) C09B 11/02 (2006.01) C09B 69/10 (2006.01) C11D 3/42 (2006.01)**

[25] EN

[54] **LEUCO COLORANTS WITH EXTENDED CONJUGATION AS BLUING AGENTS IN LAUNDRY CARE FORMULATIONS**

[54] **LEUCO-COLORANTS A CONJUGAISON ETENDUE A TITRE D'AGENTS D'AZURAGE DANS DES FORMULATIONS D'ENTRETIEN DU LINGE**

[72] MIRACLE, GREGORY SCOT, US
[72] DEY, SANJEEV KUMAR, US
[72] FREUND, WESLEY A., US
[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2020-03-04
[86] 2018-10-11 (PCT/US2018/055321)
[87] (WO2019/075145)
[30] US (62/571,288) 2017-10-12
[30] US (62/596,130) 2017-12-08

[21] **3,074,937**
[13] A1

[51] **Int.Cl. G05B 17/02 (2006.01) A01G 7/04 (2006.01) A01G 13/00 (2006.01) F21S 10/02 (2006.01) F24F 11/00 (2018.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR CONTROLLING A GROWTH ENVIRONMENT OF A CROP**

[54] **SYSTEME ET PROCEDE DE COMMANDE D'ENVIRONNEMENT DE CROISSANCE DE CULTURE**

[72] DAGONDON, SCOTT DICKSON, CA
[72] DUTTA, RAMEN SOMIT, CA
[72] MONK, ALASTAIR, CA
[71] 9337-4791 QUEBEC, INC., CA

[85] 2020-03-05
[86] 2018-09-05 (PCT/IB2018/056783)
[87] (WO2019/049048)
[30] US (62/555,910) 2017-09-08
[30] US (62/653,480) 2018-04-05

[21] **3,074,938**
[13] A1

[51] **Int.Cl. C11D 3/40 (2006.01) C11D 3/42 (2006.01) C11D 11/00 (2006.01)**

[25] EN

[54] **LEUCO COLORANTS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITION**

[54] **LEUCO-COLORANTS EN TANT QU'AGENTS D'AZURAGE DANS DES COMPOSITIONS D'ENTRETIEN DU LINGE**

[72] MIRACLE, GREGORY SCOT, US
[72] DITULLIO, DANIEL DALE, JR., US
[72] QIN, HAIHU, US
[72] DEY, SANJEEV KUMAR, US
[72] FREUND, WESLEY A., US
[72] PETREA, RANDY D., US
[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2020-03-04
[86] 2018-10-11 (PCT/US2018/055322)
[87] (WO2019/075146)
[30] US (62/571,289) 2017-10-12
[30] US (62/596,131) 2017-12-08

[21] **3,074,939**
[13] A1

[51] **Int.Cl. A61L 15/10 (2006.01) A61L 15/12 (2006.01)**

[25] EN

[54] **PASTY PREPARATION FOR FORMING A SEMIRIGID DRESSING**

[54] **PREPARATION PATEUSE POUR FORMER UN BANDAGE SEMI-RIGIDE**

[72] LANGEN, GUENTER, DE
[71] KARL OTTO BRAUN GMBH & CO. KG, DE

[85] 2020-03-05
[86] 2018-09-24 (PCT/EP2018/075812)
[87] (WO2019/063486)
[30] DE (10 2017 122 705.9) 2017-09-29

[21] **3,074,940**
[13] A1

[51] **Int.Cl. G01C 15/00 (2006.01) G06T 19/00 (2011.01) G01S 1/70 (2006.01)**

[25] EN

[54] **DISPLAYING A VIRTUAL IMAGE OF A BUILDING INFORMATION MODEL**

[54] **AFFICHAGE D'UNE IMAGE VIRTUELLE D'UN MODELE D'INFORMATIONS DE CONSTRUCTION**

[72] MITCHELL, DAVID JOHN, GB
[71] XYZ REALITY LIMITED, GB

[85] 2020-03-05
[86] 2018-09-06 (PCT/GB2018/052529)
[87] (WO2019/048866)
[30] GB (1714349.6) 2017-09-06

[21] **3,074,941**
[13] A1

[51] **Int.Cl. A61B 17/12 (2006.01)**

[25] EN

[54] **MEDICAL DEVICES AND ANCHORS THEREFOR**

[54] **DISPOSITIFS MEDICAUX ET ANCRAGES ASSOCIES**

[72] FOX, AARON D., US
[72] WEBSTER, NICHOLAS S., US
[72] WHAM, BRETT J., US
[72] WOLFE, ROARK N., US
[72] ZELLER, PETER J., US
[71] W. L. GORE & ASSOCIATES, INC., US

[85] 2020-03-04
[86] 2018-10-16 (PCT/US2018/056031)
[87] (WO2019/079262)
[30] US (62/572,763) 2017-10-16
[30] US (16/160,763) 2018-10-15

PCT Applications Entering the National Phase

[21] **3,074,942**
[13] A1

[51] **Int.Cl. C22C 21/10 (2006.01) C22F 1/053 (2006.01)**
[25] EN
[54] **AL-ZN-CU-MG ALLOYS WITH HIGH STRENGTH AND METHOD OF FABRICATION**
[54] **ALLIAGES AL-ZN-CU-MG A HAUTE RESISTANCE ET PROCEDE DE FABRICATION**
[72] WHELCHER, RICKY, FR
[72] NIZERY, EREMBERT, FR
[72] KOSCHEL, DIANA, FR
[72] EHRSTROM, JEAN-CHRISTOPHE, FR
[72] WARNER, TIMOTHY, FR
[71] CONSTELLIUM ISSOIRE, FR
[85] 2020-03-05
[86] 2018-09-24 (PCT/EP2018/075820)
[87] (WO2019/063490)
[30] FR (1758914) 2017-09-26

[21] **3,074,943**
[13] A1

[51] **Int.Cl. F24F 3/14 (2006.01) F24F 11/30 (2018.01) F24F 11/83 (2018.01) F24F 3/153 (2006.01) F24F 3/16 (2006.01) F24F 7/06 (2006.01)**
[25] EN
[54] **METHOD FOR CONDITIONING AIR**
[54] **PROCEDE DE CONDITIONNEMENT D'AIR**
[72] ASCOUGH, TOM, IE
[72] ASCOUGH, SEAN, IE
[71] ASCOUGH, TOM, IE
[71] ASCOUGH, SEAN, IE
[85] 2020-03-05
[86] 2018-11-29 (PCT/EP2018/082920)
[87] (WO2019/106059)
[30] EP (17204317.6) 2017-11-29

[21] **3,074,944**
[13] A1

[51] **Int.Cl. D01F 1/02 (2006.01) D01D 5/06 (2006.01) D01D 5/098 (2006.01) D01D 5/12 (2006.01) D01D 5/26 (2006.01) D01D 5/40 (2006.01) D01F 1/10 (2006.01) D01F 6/12 (2006.01)**
[25] EN
[54] **MECHANOLUMINESCENCE POLYMER DOPED FABRICS AND METHODS OF MAKING**
[54] **TISSUS DOPES PAR POLYMERE MECANOLUMINESCENT ET PROCEDES**
[72] LOZANO, KAREN, US
[72] MAO, YUANBING, US
[72] HERNANDEZ, CARLOS, US
[72] MARTINEZ, MISAEEL E., US
[72] RUIZ, MARK ANTHONY, US
[72] VIDAL, JORGE ERNESTO, US
[72] ZUNIGA, JOSE, US
[71] BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2020-03-05
[86] 2018-09-07 (PCT/IB2018/056854)
[87] (WO2019/049085)
[30] US (62/555,754) 2017-09-08

[21] **3,074,945**
[13] A1

[51] **Int.Cl. C07D 213/71 (2006.01) A61K 31/4709 (2006.01) A61P 11/00 (2006.01) C07C 311/45 (2006.01) C07D 213/64 (2006.01) C07D 215/36 (2006.01) C07D 231/56 (2006.01) C07D 235/28 (2006.01) C07D 401/12 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **MODULATORS OF THE CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR PROTEIN AND METHODS OF USE**
[54] **MODULATEURS DE LA PROTEINE REGULATRICE DE LA CONDUCTANCE TRANSMEMBRANAIRE DE LA FIBROSE KYSTIQUE ET PROCEDES D'UTILISATION**
[72] ALTENBACH, ROBERT J., US
[72] BOGDAN, ANDREW, US
[72] COUTY, SYLVAIN, FR
[72] DESROY, NICOLAS, FR
[72] GFESSER, GREGORY A., US
[72] HOUSSEMAN, CHRISTOPHER GAETAN, FR
[72] KYM, PHILIP R., US
[72] LIU, BO, US
[72] MAI, THI THU TRANG, FR
[72] MALAGU, KARINE FABIENNE, GB
[72] MERAYO MERAYO, NURIA, FR
[72] PICOLET, OLIVIER LAURENT, FR
[72] PIZZONERO, MATHIEU RAFAEL, FR
[72] SEARLE, XENIA B., US
[72] VAN DER PLAS, STEVEN EMIEL, BE
[72] WANG, XUEQING, US
[72] YEUNG, MING C., US
[71] ABBVIE OVERSEAS S.A.R.L., LU
[71] GALAPAGOS NV, BE
[85] 2020-03-05
[86] 2018-09-13 (PCT/IB2018/057020)
[87] (WO2019/053634)
[30] US (62/558,430) 2017-09-14
[30] US (62/608,846) 2017-12-21

Demandes PCT entrant en phase nationale

[21] **3,074,946**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61K 48/00 (2006.01) C12N 15/11 (2006.01)**

[25] EN

[54] **MODIFYING THE SPECIFICITY OF NON-CODING RNA MOLECULES FOR SILENCING GENE EXPRESSION IN EUKARYOTIC CELLS**

[54] **MODIFICATION DE LA SPECIFICITE DE MOLECULES D'ARN NON CODANTES POUR LE SILENCAGE DE L'EXPRESSION GENIQUE DANS DES CELLULES EUCARYOTES**

[72] MAORI, EYAL, GB
[72] GALANTY, YARON, GB
[72] PIGNOCCHI, CRISTINA, GB
[72] CHAPARRO GARCIA, ANGELA, GB
[72] MEIR, OFIR, GB
[71] TROPIC BIOSCIENCES UK LIMITED, GB

[85] 2020-03-05
[86] 2018-09-18 (PCT/IB2018/057143)
[87] (WO2019/058253)
[30] GB (1715116.8) 2017-09-19
[30] GB (1715113.5) 2017-09-19
[30] GB (1719516.5) 2017-11-23

[21] **3,074,947**
[13] A1

[51] **Int.Cl. G01M 7/08 (2006.01) G01M 10/00 (2006.01)**

[25] EN

[54] **SHOCK TESTING APPARATUS AND METHOD**

[54] **APPAREIL ET PROCEDE D'ESSAI AU CHOC**

[72] THOMPSON, PHILLIP R, GB
[72] COLLIAR, GAVIN, GB
[72] WHATLEY, ALEXANDER, GB
[72] HUTCHISON, STUART, GB
[71] THORNTON TOMASETTI DEFENCE LIMITED, GB

[85] 2020-03-05
[86] 2018-09-14 (PCT/GB2018/052637)
[87] (WO2019/053462)
[30] GB (1714887.5) 2017-09-15

[21] **3,074,948**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) C12N 15/11 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **MODIFYING THE SPECIFICITY OF PLANT NON-CODING RNA MOLECULES FOR SILENCING GENE EXPRESSION**

[54] **MODIFICATION DE LA SPECIFICITE DE MOLECULES D'ARN NON CODANTES VEGETALES POUR LE SILENCAGE DE L'EXPRESSION GENIQUE**

[72] MAORI, EYAL, GB
[72] GALANTY, YARON, GB
[72] PIGNOCCHI, CRISTINA, GB
[72] CHAPARRO GARCIA, ANGELA, GB
[72] MEIR, OFIR, GB
[71] TROPIC BIOSCIENCES UK LIMITED, GB

[85] 2020-03-05
[86] 2018-09-18 (PCT/IB2018/057160)
[87] (WO2019/058255)
[30] GB (1715113.5) 2017-09-19
[30] GB (1715116.8) 2017-09-19
[30] GB (1719516.5) 2017-11-23

[21] **3,074,949**
[13] A1

[51] **Int.Cl. G01N 15/14 (2006.01) G01N 21/64 (2006.01) G01N 33/49 (2006.01)**

[25] EN

[54] **OPTICAL FLOW CYTOMETER FOR EPI-FLUORESCENCE MEASUREMENT**

[54] **CYTOMETRE EN FLUX OPTIQUE POUR MESURE PAR EPIFLUORESCENCE**

[72] MAGNIN, OLIVIER, FR
[71] BIT GROUP FRANCE, FR

[85] 2020-03-05
[86] 2017-09-21 (PCT/IB2017/001345)
[87] (WO2019/058152)

[21] **3,074,950**
[13] A1

[51] **Int.Cl. A61K 31/366 (2006.01) A61K 35/17 (2015.01) A61K 31/497 (2006.01) A61K 38/26 (2006.01) A61P 9/00 (2006.01) A61P 31/00 (2006.01) A61P 33/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01)**

[25] EN

[54] **AGENT**

[54] **AGENT**

[72] MARELLI-BERG, FEDERICA MARIA, GB
[71] QUEEN MARY UNIVERSITY OF LONDON, GB

[85] 2020-03-05
[86] 2018-09-13 (PCT/GB2018/052603)
[87] (WO2019/053435)
[30] GB (1714777.8) 2017-09-14

[21] **3,074,951**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 31/357 (2006.01)**

[25] EN

[54] **FORMULATION OF RESINIFERATOXIN**

[54] **FORMULATION DE RESINIFERATOXINE**

[72] JONES, BRYAN, US
[72] NAHAMA, ALEXIS, US
[71] SORRENTO THERAPEUTICS, INC., US

[85] 2020-03-05
[86] 2018-09-11 (PCT/IB2018/056944)
[87] (WO2019/049112)
[30] US (62/556,824) 2017-09-11

[21] **3,074,952**
[13] A1

[51] **Int.Cl. B64C 1/00 (2006.01)**

[25] EN

[54] **AIRCRAFT COMPRISING AN IMPROVED FUSELAGE**

[54] **AERONEF EQUIPE D'UN FUSELAGE AMELIORE**

[72] MASSARELLI, VINCENZO, IT
[71] MECAER AVIATION GROUP S.P.A., IT

[85] 2020-03-05
[86] 2018-09-14 (PCT/IB2018/057074)
[87] (WO2019/053658)
[30] IT (102017000103537) 2017-09-15

PCT Applications Entering the National Phase

[21] **3,074,953**
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR THE REDUCTION OF THE VOLUME OF A SAMPLE**
[54] **PROCEDE ET APPAREIL POUR LA REDUCTION DU VOLUME D'UN ECHANTILLON**
[72] MEDORO, GIANNI, IT
[72] CALANCA, ALEX, IT
[72] ALBERTI, FABRIZIO, IT
[71] MENARINI SILICON BIOSYSTEMS S.P.A., IT
[85] 2020-03-05
[86] 2018-09-21 (PCT/IB2018/057303)
[87] (WO2019/058321)
[30] IT (102017000105911) 2017-09-21

[21] **3,074,954**
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01) G01N 15/00 (2006.01)**
[25] EN
[54] **MICROFLUIDIC SYSTEM AND METHOD FOR THE RECOVERY OF PARTICLES**
[54] **SYSTEME ET PROCEDE MICROFLUIDIQUE POUR LA RECUPERATION DE PARTICULES**
[72] MEDORO, GIANNI, IT
[72] CALANCA, ALEX, IT
[71] MENARINI SILICON BIOSYSTEMS S.P.A., IT
[85] 2020-03-05
[86] 2018-09-21 (PCT/IB2018/057312)
[87] (WO2019/058326)
[30] IT (102017000105948) 2017-09-21

[21] **3,074,955**
[13] A1

[51] **Int.Cl. A23L 25/00 (2016.01)**
[25] EN
[54] **INSTANT FOOD COMPOSITION AND A METHOD OF PREPARATION OF THE SAME**
[54] **PREPARATION DE FLOCONS DE QUINOA PRETS A CONSOMMER**
[72] SURAPANENI, KALYAN, IN
[71] M/S.CERIO EXPORTS PRIVATE LIMITED, IN
[85] 2020-03-05
[86] 2018-09-04 (PCT/IN2018/050568)
[87] (WO2019/049168)
[30] IN (201741031500) 2017-09-06

[21] **3,074,963**
[13] A1

[51] **Int.Cl. C25B 1/00 (2006.01) C25B 1/04 (2006.01) C25B 11/04 (2006.01)**
[25] EN
[54] **ELECTROLYTIC AMMONIA PRODUCTION USING TRANSITION METAL OXIDE CATALYSTS**
[54] **PRODUCTION ELECTROLYTIQUE D'AMMONIAC A L'AIDE DE CATALYSEURS A BASE D'OXYDE DE METAL DE TRANSITION**
[72] SKULASON, EGILL, IS
[71] HASKOLI ISLANDS, IS
[85] 2020-03-05
[86] 2018-09-10 (PCT/IS2018/050008)
[87] (WO2019/053749)
[30] IS (50188) 2017-09-08

[21] **3,074,966**
[13] A1

[51] **Int.Cl. H04J 13/16 (2011.01) H04L 27/26 (2006.01)**
[25] EN
[54] **USER TERMINAL AND RADIO COMMUNICATION METHOD**
[54] **TERMINAL UTILISATEUR ET PROCEDE DE COMMUNICATION SANS FIL**
[72] MATSUMURA, YUKI, JP
[72] TAKEDA, KAZUKI, JP
[72] NAGATA, SATOSHI, JP
[71] NTT DOCOMO, INC., JP
[85] 2020-03-05
[86] 2017-09-08 (PCT/JP2017/032585)
[87] (WO2019/049346)

[21] **3,074,967**
[13] A1

[51] **Int.Cl. A01K 61/13 (2017.01)**
[25] EN
[54] **SYSTEM FOR MONITORING HEART CONDITION OF FISH**
[54] **SYSTEME DE SURVEILLANCE DE L'ETAT DU CŒUR D'UN POISSON**
[72] MIYATA, TSUYOSHI, JP
[72] OSHIMA, SYUN-ICHIROU, JP
[72] KATO MOTOMI, JP
[72] MIKI, KATSUYA, JP
[72] IWATANI, MASAO, JP
[72] FUJISAWA, SUGURU, JP
[71] NATIONAL INSTITUTE OF TECHNOLOGY, JP
[71] NATIONAL UNIVERSITY CORPORATION KOCHI UNIVERSITY, JP
[71] DAICEL CORPORATION, JP
[85] 2020-03-05
[86] 2018-08-01 (PCT/JP2018/028869)
[87] (WO2019/049564)
[30] JP (2017-171608) 2017-09-06

[21] **3,074,968**
[13] A1

[51] **Int.Cl. D21H 27/00 (2006.01) C09J 7/21 (2018.01) B41M 5/50 (2006.01) C09J 201/00 (2006.01) D21H 11/02 (2006.01) D21H 19/00 (2006.01) B41M 5/41 (2006.01)**
[25] EN
[54] **WATER-DISPERSIBLE SHEET**
[54] **FEUILLE DISPERSIBLE DANS L'EAU**
[72] KISHIMOTO MASAKI, JP
[72] ISHINO YOSHIKI, JP
[72] MATSUMORI YASUAKI, JP
[72] KUSANO EIJI, JP
[72] AOSHIMA KENTO, JP
[72] WADAGAMI KAZUYO, JP
[72] KATSUMATA KUMIKO, JP
[71] NIPPON PAPER PAPYLIA CO., LTD., JP
[71] NIPPON PAPER INDUSTRIES CO., LTD., JP
[85] 2020-03-05
[86] 2018-08-15 (PCT/JP2018/030336)
[87] (WO2019/049619)
[30] JP (2017-169947) 2017-09-05

Demandes PCT entrant en phase nationale

[21] **3,074,980**
[13] A1

[51] **Int.Cl. C09K 8/588 (2006.01) C08K 3/20 (2006.01) C08L 29/04 (2006.01)**

[25] EN

[54] **OIL RECOVERY AGENT, OIL DISPERSION, AND OIL RECOVERY METHOD**

[54] **AGENT DE RECUPERATION D'HUILE, LIQUIDE DE DISPERSION D'HUILE, ET PROCEDE DE RECUPERATION D'HUILE**

[72] KOBAYASHI, RYOHEI, JP
[72] FUJITA, TOMOYA, JP
[71] MITSUBISHI CHEMICAL CORPORATION, JP
[85] 2020-03-05
[86] 2018-09-07 (PCT/JP2018/033327)
[87] (WO2019/050022)
[30] JP (2017-173426) 2017-09-08
[30] JP (2017-173427) 2017-09-08
[30] JP (2017-173428) 2017-09-08
[30] JP (2017-173429) 2017-09-08

[21] **3,074,981**
[13] A1

[51] **Int.Cl. C07D 405/04 (2006.01) A61K 31/352 (2006.01) A61K 31/4406 (2006.01) A61K 31/58 (2006.01) A61K 31/66 (2006.01) C07D 311/78 (2006.01)**

[25] EN

[54] **CHEMICALLY ACTIVATED WATER-SOLUBLE PRODRUG**

[54] **PROMEDICAMENT HYDROSOLUBLE ACTIVE CHIMIQUEMENT**

[72] KAMIOKA, SEIJI, JP
[72] SAWAYAMA, YUSUKE, JP
[72] BAN, HITOSHI, JP
[72] TAKANASHI, YOSUKE, JP
[71] SUMITOMO DAINIPPON PHARMA CO., LTD., JP
[85] 2020-03-05
[86] 2018-09-21 (PCT/JP2018/035022)
[87] (WO2019/059344)
[30] JP (2017-182725) 2017-09-22

[21] **3,074,985**
[13] A1

[51] **Int.Cl. C07D 311/02 (2006.01) C07D 311/04 (2006.01)**

[25] EN

[54] **COMPOUNDS AND METHODS FOR TREATING CANCER**

[54] **COMPOSES ET PROCEDES DE TRAITEMENT DU CANCER**

[72] D'ANDREA, ALAN, US
[72] CECCALDI, RAPHAEL, US
[72] ZHOU, JIA, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2020-03-04
[86] 2018-10-16 (PCT/US2018/056080)
[87] (WO2019/079297)
[30] US (62/572,977) 2017-10-16

[21] **3,074,986**
[13] A1

[51] **Int.Cl. F25C 5/20 (2018.01) F25C 5/182 (2018.01)**

[25] EN

[54] **DISPENSING ICE BIN WITH SLIDING SLEEVE METERING DEVICE**

[54] **BAC A GLACE DE DISTRIBUTION AVEC DISPOSITIF DE DOSAGE A MANCHON COULISSANT**

[72] BROADBENT, JOHN ALLEN, US
[71] MANITOWOC FOODSERVICE COMPANIES, LLC, US
[85] 2020-03-04
[86] 2019-01-09 (PCT/US2019/012874)
[87] (WO2019/143507)
[30] US (62/617,704) 2018-01-16

[21] **3,074,987**
[13] A1

[25] EN

[54] **NEW USE OF DEXTRAN SULFATE**

[54] **NOUVELLE UTILISATION DU SULFATE DE DEXTRANE**

[72] BRUCE, LARS, SE
[71] TX MEDIC AB, SE
[85] 2020-03-05
[86] 2018-09-07 (PCT/SE2018/050898)
[87] (WO2019/050460)
[30] US (62/555,848) 2017-09-08

[21] **3,074,989**
[13] A1

[51] **Int.Cl. C07D 213/55 (2006.01) A61K 31/4418 (2006.01) A61K 31/4433 (2006.01) A61K 31/472 (2006.01) A61K 31/4965 (2006.01) A61K 31/497 (2006.01) A61P 19/06 (2006.01) A61P 43/00 (2006.01) C07D 213/61 (2006.01) C07D 217/16 (2006.01) C07D 241/12 (2006.01) C07D 405/04 (2006.01)**

[25] EN

[54] **NITROGEN-CONTAINING HETEROARYL COMPOUND AND PHARMACEUTICAL USE THEREOF**

[54] **COMPOSE HETEROARYLE CONTENANT DE L'AZOTE, ET SON UTILISATION PHARMACEUTIQUE**

[72] NAGAMORI, HIRONOBU, JP
[72] NISHIMARU, TATSUYA, JP
[72] TAKAGI, MASAKI, JP
[72] MITANI, IKUO, JP
[72] NAKAGAWA, YUICHI, JP
[71] JAPAN TOBACCO INC., JP
[85] 2020-03-05
[86] 2018-10-03 (PCT/JP2018/037007)
[87] (WO2019/069973)
[30] JP (2017-194005) 2017-10-04

[21] **3,074,990**
[13] A1

[51] **Int.Cl. A01N 43/54 (2006.01) A01N 43/84 (2006.01) A01P 13/00 (2006.01) A01P 13/02 (2006.01)**

[25] EN

[54] **METHOD FOR CONTROLLING HERBICIDE RESISTANT WEEDS IN CROPS**

[54] **PROCEDE DE LUTTE CONTRE LES MAUVAISES HERBES RESISTANTES AUX HERBICIDES DANS DES CULTURES AGRICOLES**

[72] JIN, YOSHINOBU, JP
[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
[85] 2020-03-05
[86] 2019-02-14 (PCT/JP2019/005202)
[87] (WO2019/163617)
[30] JP (2018-028514) 2018-02-21

PCT Applications Entering the National Phase

<p style="text-align: center;">[21] 3,074,991 [13] A1</p> <p>[51] Int.Cl. G07F 13/00 (2006.01) [25] EN [54] SEMIAUTONOMOUS APPARATUS AND SYSTEM OF DISTRIBUTION OF EDIBLE PRODUCTS INCLUDING SAID SEMIAUTONOMOUS APPARATUS [54] APPAREIL SEMIAUTONOME ET SYSTEME DE DISTRIBUTION DE PRODUITS COMESTIBLES COMPRENANT LEDIT APPAREIL SEMIAUTONOME [72] NABEIRO, RUI MIGUEL, PT [72] MEDINA MUNDT, JESUS, PT [72] DE JESUS ESTIMA, JOSE MIGUEL, PT [72] DA SILVA FERROLHO MENDES, TIAGO RAFAEL, PT [71] NOVADELTA - COMERCIO E INDUSTRIA DE CAFES, LDA, PT [85] 2020-03-05 [86] 2018-09-13 (PCT/PT2018/050033) [87] (WO2019/054889) [30] PT (110287) 2017-09-14</p>	<p style="text-align: center;">[21] 3,074,993 [13] A1</p> <p>[51] Int.Cl. C07D 311/22 (2006.01) A23L 33/10 (2016.01) A61K 31/353 (2006.01) A61K 45/06 (2006.01) [25] EN [54] COMPOSITION FOR PREVENTING OR TREATING TNF-RELATED DISEASES, CONTAINING NOVEL DERIVATIVE AS ACTIVE INGREDIENT, AND METHOD FOR INHIBITING TNF ACTIVITY BY USING SAME [54] COMPOSITION POUR LA PREVENTION OU LE TRAITEMENT DE MALADIES LIEES AU TNF, CONTENANT UN NOUVEAU DERIVE EN TANT QUE PRINCIPE ACTIF, ET PROCEDE D'INHIBITION DE L'ACTIVITE DU TNF A L'AIDE DE CELLE-CI [72] HEO, TAE-HWE, KR [72] SHIN, KYE JUNG, KR [72] PARK, YEON-HWA, KR [71] ILAB, KR [85] 2020-03-05 [86] 2018-07-12 (PCT/KR2018/007922) [87] (WO2019/078452) [30] KR (10-2017-0135899) 2017-10-19</p>	<p style="text-align: center;">[21] 3,074,996 [13] A1</p> <p>[51] Int.Cl. G06F 9/46 (2006.01) H04L 12/24 (2006.01) H04L 29/08 (2006.01) [25] EN [54] APPARATUS AND METHOD FOR REAL TIME ANALYSIS, PREDICTING AND REPORTING OF ANOMALOUS DATABASE TRANSACTION LOG ACTIVITY [54] APPAREIL ET PROCEDE D'ANALYSE EN TEMPS REEL, DE PREDICTION ET DE RAPPORT D'ACTIVITE DE JOURNAL DE TRANSACTION DE BASE DE DONNEES ANORMALE [72] PAREEK, ALOK, US [72] SEN, RAJKUMAR, US [72] KUTAY, ALI, US [72] KHALADKAR, BHUSHAN, US [72] MA, CHANGSHA, US [71] STRIIM, INC., US [85] 2020-03-05 [86] 2018-09-06 (PCT/US2018/049688) [87] (WO2019/051042) [30] US (62/556,176) 2017-09-08</p>
<p style="text-align: center;">[21] 3,074,992 [13] A1</p> <p>[51] Int.Cl. A23F 5/02 (2006.01) A23F 5/14 (2006.01) A23F 5/46 (2006.01) [25] EN [54] METHOD FOR PRODUCING AN EDIBLE SUBSTANCE BASED UPON COFFEE AND WINE, USE AND SYSTEM OF RESPECTIVE EDIBLE PRODUCTS [54] PROCEDE DE PRODUCTION DE SUBSTANCE COMESTIBLE A BASE DE CAFE ET DE VIN, UTILISATION ET SYSTEME DE PRODUITS COMESTIBLES RESPECTIFS [72] NABEIRO, RUI MIGUEL, PT [71] NOVADELTA - COMERCIO E INDUSTRIA DE CAFES, LDA, PT [85] 2020-03-05 [86] 2018-09-13 (PCT/PT2018/050034) [87] (WO2019/054890) [30] PT (110288) 2017-09-14</p>	<p style="text-align: center;">[21] 3,074,994 [13] A1</p> <p>[51] Int.Cl. G07F 13/00 (2006.01) [25] EN [54] SEMIAUTONOMOUS APPARATUS FOR DISTRIBUTION OF EDIBLE PRODUCTS, AND RESPECTIVE OPERATION PROCESS [54] APPAREIL SEMI-AUTONOME DE DISTRIBUTION DE PRODUITS COMESTIBLES ET PROCEDE DE FONCTIONNEMENT RESPECTIF [72] NABEIRO, RUI MIGUEL, PT [72] MEDINA MUNDT, JESUS, PT [72] DE JESUS ESTIMA, JOSE MIGUEL, PT [72] DA SILVA FERROLHO MENDES, TIAGO RAFAEL, PT [71] NOVADELTA - COMERCIO E INDUSTRIA DE CAFES, LDA, PT [85] 2020-03-05 [86] 2018-09-13 (PCT/PT2018/050032) [87] (WO2019/054888) [30] PT (110286) 2017-09-14</p>	<p style="text-align: center;">[21] 3,074,997 [13] A1</p> <p>[51] Int.Cl. B29C 64/106 (2017.01) B29C 64/118 (2017.01) B29C 64/205 (2017.01) [25] EN [54] APPARATUS AND METHOD FOR PRINTING LARGE THERMOPLASTIC PARTS DURING ADDITIVE MANUFACTURING [54] APPAREIL ET PROCEDE D'IMPRESSON DE GRANDES PARTIES THERMOPLASTIQUES PENDANT UNE FABRICATION ADDITIVE [72] SUSNJARA, KENNETH J., US [72] VAAL, SCOTT G., US [72] SMIDDY, BRIAN S., US [72] FUQUAY, JONATHAN I., US [71] THERMWOOD CORPORATION, US [85] 2020-03-05 [86] 2018-07-09 (PCT/US2018/041208) [87] (WO2019/055107) [30] US (15/703,558) 2017-09-13</p>

Demandes PCT entrant en phase nationale

[21] **3,074,998**
[13] A1

[51] **Int.Cl. B29C 64/218 (2017.01) B33Y 30/00 (2015.01) B29C 64/118 (2017.01) B29C 64/209 (2017.01) B29C 64/245 (2017.01) B29C 64/25 (2017.01)**

[25] EN

[54] **APPARATUS AND METHODS FOR COMPRESSING MATERIAL DURING ADDITIVE MANUFACTURING**

[54] **APPAREIL ET PROCÉDES DE COMPRESSION DE MATIÈRE LORS D'UNE FABRICATION ADDITIVE**

[72] SUSNJARA, KENNETH J., US

[72] VAAL, SCOTT G., US

[72] SMIDDY, BRIAN S., US

[71] THERMWOOD CORPORATION, US

[85] 2020-03-05

[86] 2018-07-09 (PCT/US2018/041212)

[87] (WO2019/055108)

[30] US (15/703,634) 2017-09-13

[21] **3,074,999**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/021 (2006.01)**

[25] EN

[54] **WEARABLE HEALTH MONITORING DEVICE**

[54] **DISPOSITIF DE SURVEILLANCE DE SANTÉ POUVANT ÊTRE PORTE**

[72] GOSINK, LUKE J., US

[72] MCNEIL, SEAN, US

[72] BRANDI-LOZANO, JUAN M., US

[72] WILLIAMS, RYAN, US

[72] BRUCE, JOSEPH R., US

[72] MCCALL, JONATHON D., US

[71] BATTELLE MEMORIAL INSTITUTE, US

[85] 2020-03-05

[86] 2018-07-18 (PCT/US2018/042736)

[87] (WO2019/055121)

[30] US (62/558,185) 2017-09-13

[30] US (62/624,378) 2018-01-31

[21] **3,075,001**
[13] A1

[51] **Int.Cl. C08G 18/00 (2006.01) C08G 18/18 (2006.01) C08G 18/28 (2006.01) C08G 18/42 (2006.01) C08G 18/76 (2006.01) C08K 5/00 (2006.01) C08K 5/5313 (2006.01)**

[25] EN

[54] **REACTIVE FLAME RETARDANT BLENDS FOR FLEXIBLE POLYURETHANE FOAM**

[54] **MELANGES IGNIFUGES REACTIFS POUR MOUSSES DE POLYURETHANE SOUPLES**

[72] STOWELL, JEFFREY, US

[72] CHEN, ZHIHAO, US

[72] PATEL, MUNJAL, US

[71] ICL-IP AMERICA INC., US

[85] 2020-03-05

[86] 2018-07-23 (PCT/US2018/043228)

[87] (WO2019/060035)

[30] US (62/561,365) 2017-09-21

[21] **3,075,016**
[13] A1

[51] **Int.Cl. A61B 6/00 (2006.01) A61B 6/03 (2006.01)**

[25] EN

[54] **METHODS, SYSTEMS, AND APPARATUS FOR DETERMINING RADIATION DOSES**

[54] **PROCÉDES, SYSTÈMES ET APPAREIL POUR DÉTERMINER DES DOSES DE RAYONNEMENT**

[72] MILLER, DAVID E., US

[72] GUNTZER, PIERRE, FR

[71] GENERAL ELECTRIC COMPANY, US

[85] 2020-03-05

[86] 2018-07-23 (PCT/US2018/043279)

[87] (WO2019/055131)

[30] US (15/706,279) 2017-09-15

[21] **3,075,017**
[13] A1

[51] **Int.Cl. G05B 15/02 (2006.01)**

[25] EN

[54] **FAULT TOLERANT SERVICES FOR INTEGRATED BUILDING AUTOMATION SYSTEMS**

[54] **SERVICES INSENSIBLES AUX DÉFAILLANCES POUR SYSTÈMES D'AUTOMATISATION DE BÂTIMENT INTÈGRES**

[72] CASILLI, CHRIS, US

[71] SIEMENS INDUSTRY, INC., US

[85] 2020-03-05

[86] 2018-08-28 (PCT/US2018/048213)

[87] (WO2019/050708)

[30] US (15/698,178) 2017-09-07

[21] **3,075,018**
[13] A1

[51] **Int.Cl. C10G 45/08 (2006.01) B01J 23/88 (2006.01) B01J 23/888 (2006.01) B01J 29/04 (2006.01) B01J 29/46 (2006.01) B01J 29/70 (2006.01) B01J 37/00 (2006.01) B01J 37/02 (2006.01) B01J 37/04 (2006.01) C10G 45/10 (2006.01) C10G 45/12 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING METAL-CONTAINING CATALYSTS**

[54] **PROCÉDE DE PRODUCTION DE CATALYSEURS CONTENANT DES MÉTAUX**

[72] LAI, WENYIH FRANK, US

[72] PODSIADLO, PAUL, US

[72] BAI, CHUANSHENG, US

[72] LONERGAN, WILLIAM W., US

[72] BURNS, LOUIS F., US

[72] MCCARTHY, STEPHEN J., US

[72] ROLLMAN, NICHOLAS S., US

[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US

[85] 2020-03-05

[86] 2018-08-30 (PCT/US2018/048684)

[87] (WO2019/055219)

[30] US (62/558,893) 2017-09-15

PCT Applications Entering the National Phase

[21] **3,075,019**
[13] A1

[51] **Int.Cl. A42B 1/00 (2006.01) A42B 1/20 (2006.01)**
[25] EN
[54] **SECURABLE HAT**
[54] **CHAPEAU POUVANT ETRE SOLIDEMENT ATTACHE**
[72] PLON, RICHARD STANLEY, US
[71] PLON, RICHARD STANLEY, US
[85] 2020-03-05
[86] 2018-08-30 (PCT/US2018/048723)
[87] (WO2019/050758)
[30] US (15/699,014) 2017-09-08

[21] **3,075,020**
[13] A1

[51] **Int.Cl. A61K 31/451 (2006.01) A61K 45/06 (2006.01) A61P 25/14 (2006.01)**
[25] EN
[54] **PRIDOPIDINE FOR TREATING DRUG INDUCED DYSKINESIAS**
[54] **PRIDOPIDINE POUR LE TRAITEMENT DE DYSKINESIES INDUITES PAR UN MEDICAMENT**
[72] GEVA, MICHAL, IL
[72] ORBACH, ARIC, IL
[72] HAYDEN, MICHAEL, IL
[71] PRILENIA NEUROTHERAPEUTICS LTD., IL
[85] 2020-03-05
[86] 2018-08-30 (PCT/US2018/048920)
[87] (WO2019/050775)
[30] US (62/556,314) 2017-09-08
[30] US (62/649,184) 2018-03-28

[21] **3,075,021**
[13] A1

[51] **Int.Cl. H04W 60/00 (2009.01) H04W 8/02 (2009.01) H04W 84/00 (2009.01)**
[25] EN
[54] **A MECHANISM TO ENABLE INTERWORKING BETWEEN NETWORK SLICING AND EVOLVED PACKET CORE CONNECTIVITY**
[54] **MECANISME PERMETTANT UN INTERFONCTIONNEMENT ENTRE UN DECOUPAGE DE RESEAU ET UNE CONNECTIVITE DE RESEAU CENTRAL PAR PAQUETS EVOLUE**
[72] FACCIN, STEFANO, US
[72] ZISIMOPOULOS, HARIS, US
[72] SPEICHER, SEBASTIAN, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-03-05
[86] 2018-08-31 (PCT/US2018/049137)
[87] (WO2019/078964)
[30] US (62/574,615) 2017-10-19
[30] US (16/117,738) 2018-08-30

[21] **3,075,022**
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01) A61B 5/15 (2006.01) G01N 1/28 (2006.01) G01N 1/38 (2006.01) G01N 33/72 (2006.01)**
[25] EN
[54] **COLLECTION AND PREPARATION OF BLOOD SAMPLES FOR POINT-OF-CARE DIAGNOSTICS**
[54] **COLLECTE ET PREPARATION D'ECHANTILLONS DE SANG POUR DES DIAGNOSTICS SUR POINT D'INTERVENTION**
[72] MALERGUE, FABRICE, FR
[72] BUSNEL, JEAN MARC, FR
[71] BECKMAN COULTER, INC., US
[85] 2020-03-05
[86] 2018-08-31 (PCT/US2018/049196)
[87] (WO2019/050802)
[30] US (62/554,225) 2017-09-05

[21] **3,075,023**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 36/185 (2006.01) A61K 47/36 (2006.01) A61K 47/40 (2006.01)**
[25] EN
[54] **METHOD AND IMPROVED NEUROPROTECTIVE COMPOSITION FOR TREATING NEUROLOGICAL CONDITIONS**
[54] **METHODE ET COMPOSITION AMELIOREE POUR LE TRAITEMENT D'ETATS PATHOLOGIQUES, DE MALADIES OU DE TROUBLES SENSIBLES AUX TRITERPENES**
[72] NEWMAN, ROBERT A., US
[72] ADDINGTON, OTIS C., US
[72] LO, DONALD C., US
[72] KALTENBACH, LINDA S., US
[71] PHOENIX BIOTECHNOLOGY, INC., US
[85] 2020-03-05
[86] 2018-09-04 (PCT/US2018/049358)
[87] (WO2019/055245)
[30] US (62/558,631) 2017-09-14

[21] **3,075,025**
[13] A1

[51] **Int.Cl. C10L 3/10 (2006.01) F25J 3/06 (2006.01)**
[25] EN
[54] **METHODS FOR PROVIDING REFRIGERATION IN NATURAL GAS LIQUIDS RECOVERY PLANTS**
[54] **PROCEDES POUR FOURNIR UNE REFRIGERATION DANS DES INSTALLATIONS DE RECUPERATION DE LIQUIDES DE GAZ NATUREL**
[72] MCCOOL, GRANT, US
[72] WALTER, THOMAS, DE
[72] PUIGBO, ARTURO, US
[71] LINDE ENGINEERING NORTH AMERICA, INC., US
[85] 2020-03-05
[86] 2018-09-05 (PCT/US2018/049535)
[87] (WO2019/050940)
[30] US (62/554,633) 2017-09-06
[30] US (15/952,492) 2018-04-13

Demandes PCT entrant en phase nationale

[21] **3,075,026**
[13] A1

[51] **Int.Cl. F15B 7/00 (2006.01) E02F 9/22 (2006.01) F15B 11/05 (2006.01) F15B 21/08 (2006.01)**

[25] EN

[54] **HYDRAULIC CONTROL SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE DE COMMANDE HYDRAULIQUE**

[72] JOHNSON, SEAN, DE

[72] BITTER, MARCUS, DE

[72] CUGATI, SHARATH, DE

[71] CATERPILLAR INC., US

[85] 2020-03-05

[86] 2018-09-05 (PCT/US2018/049566)

[87] (WO2019/060136)

[30] EP (17192657.9) 2017-09-22

[21] **3,075,027**
[13] A1

[51] **Int.Cl. A61K 47/50 (2017.01) A61K 47/51 (2017.01) A61K 47/62 (2017.01)**

[25] EN

[54] **REVERSIBLE LINKERS AND USE THEREOF**

[54] **LIEURS REVERSIBLES ET LEUR UTILISATION**

[72] ANDRESEN, THOMAS, US

[71] TORQUE THERAPEUTICS, INC., US

[85] 2020-03-05

[86] 2018-09-05 (PCT/US2018/049594)

[87] (WO2019/050977)

[30] US (62/554,067) 2017-09-05

[30] US (62/616,221) 2018-01-11

[21] **3,075,028**
[13] A1

[51] **Int.Cl. B62D 55/00 (2006.01) B62D 55/02 (2006.01) B62D 55/04 (2006.01) B62D 55/06 (2006.01) B62D 55/065 (2006.01) B62D 55/07 (2006.01) B62D 55/08 (2006.01) B62D 55/084 (2006.01) B62D 55/12 (2006.01) B62D 55/125 (2006.01) B62D 55/135 (2006.01) B62D 55/30 (2006.01)**

[25] EN

[54] **TRACK SYSTEM FOR VEHICLE**

[54] **SYSTEME DE CHENILLES POUR UN VEHICULE**

[72] PELISSIER, JACOB, CA

[72] HAMELIN, REMI, CA

[72] DUMOULIN, OLIVIER, CA

[72] MARCOTTE, TOMMY, CA

[72] LUSSIER, ROMEO, CA

[72] LEBLANC, MARC-ANTOINE, CA

[71] SOUCY INTERNATIONAL INC., CA

[85] 2020-03-05

[86] 2018-09-05 (PCT/US2018/049628)

[87] (WO2019/051003)

[30] US (62/554,077) 2017-09-05

[21] **3,075,029**
[13] A1

[51] **Int.Cl. D21C 3/00 (2006.01) D21C 9/10 (2006.01)**

[25] EN

[54] **METHOD FOR ENHANCED OXYGEN DELIGNIFICATION OF CHEMICAL WOOD PULPS**

[54] **PROCEDE D'AMELIORATION DE LA DELIGNIFICATION A L'OXYGENE DE PATES CHIMIQUES DE BOIS**

[72] NICHOLSON, DANIEL J., US

[71] SOLENIS TECHNOLOGIES, L.P., US

[85] 2020-03-05

[86] 2018-09-06 (PCT/US2018/049642)

[87] (WO2019/051013)

[30] US (62/556,706) 2017-09-11

[21] **3,075,034**
[13] A1

[51] **Int.Cl. C07K 16/18 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**

[25] EN

[54] **CONSTRAINED CONDITIONALLY ACTIVATED BINDING PROTEINS**

[54] **PROTEINES DE LIAISON A ACTIVATION CONDITIONNELLE RESTREINTE**

[72] MAY, CHAD, US

[72] DUBRIDGE, ROBERT B., US

[72] VINOGRADOVA, MAIA, US

[72] PANCHAL, ANAND, US

[71] MAVERICK THERAPEUTICS, INC., US

[85] 2020-03-05

[86] 2018-09-06 (PCT/US2018/049774)

[87] (WO2019/051102)

[21] **3,075,035**
[13] A1

[51] **Int.Cl. A61K 38/06 (2006.01) C12N 15/113 (2010.01) A61K 31/16 (2006.01) A61K 31/198 (2006.01) A61K 31/223 (2006.01) A61K 31/351 (2006.01) A61K 31/713 (2006.01) A61K 38/48 (2006.01) A61P 25/28 (2006.01) C07K 5/037 (2006.01) C12N 9/48 (2006.01) G01N 33/48 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF HEREDITARY CYSTATIN C AMYLOID ANGIOPATHY (HCCAA) AND OTHER NEURODEGENERATIVE DISORDERS ASSOCIATED WITH ABERRANT AMYLOID DEPOSITS**

[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT D'UNE ANGIOPATHIE AMYLOIDE HEREDITAIRE A CYSTATINE C (HCCAA) ET D'AUTRES TROUBLES NEURODEGENERATIFS ASSOCIES A DES DEPOTS AMYLOIDES ABERRANTS**

[72] HAKONARSON, HAKON, US

[72] GUTIERREZ-UZQUIZA, ALVARO, US

[72] MARCH, MICHAEL, US

[71] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US

[85] 2020-03-05

[86] 2018-09-07 (PCT/US2018/049884)

[87] (WO2019/051182)

[30] US (62/555,496) 2017-09-07

PCT Applications Entering the National Phase

[21] **3,075,036**
[13] A1
[51] **Int.Cl. C12N 5/0735 (2010.01) C12N 5/071 (2010.01) C12N 5/0797 (2010.01) C07K 16/22 (2006.01)**
[25] EN
[54] **METHODS OF DIFFERENTIATING STEM CELL-DERIVED ECTODERMAL LINEAGE PRECURSORS**
[54] **PROCEDES DE DIFFERENCIATION DE PRECURSEURS DE LIGNEES ECTODERMIQUES DERIVES DE CELLULES SOUCHES**
[72] STUDER, LORENZ, US
[72] ZIMMER, BASTIAN, DE
[72] TCHIEU, JASON, US
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[85] 2020-03-05
[86] 2018-09-07 (PCT/US2018/049986)
[87] (WO2019/051248)

[21] **3,075,038**
[13] A1
[51] **Int.Cl. A61K 31/573 (2006.01) A61K 9/00 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61P 25/00 (2006.01) A61P 25/16 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **NEUROACTIVE STEROIDS AND THEIR METHODS OF USE**
[54] **STEROIDES NEUROACTIFS ET LEURS METHODES D'UTILISATION**
[72] HOFFMANN, ETHAN, US
[72] NOMIKOS, GEORGE, US
[72] GUNDUZ-BRUCHE, HANDAN, US
[72] KANES, STEPHEN JAY, US
[71] SAGE THERAPEUTICS, INC., US
[85] 2020-03-05
[86] 2018-09-07 (PCT/US2018/050012)
[87] (WO2019/051264)
[30] US (62/555,404) 2017-09-07
[30] US (62/595,998) 2017-12-07

[21] **3,075,037**
[13] A1
[51] **Int.Cl. G02B 7/182 (2006.01)**
[25] EN
[54] **MIRROR ASSEMBLIES AND KITS**
[54] **ENSEMBLES MIROIRS ET KITS**
[72] AUSTIN, KENIAN E., US
[71] AUSTIN, KENIAN E., US
[85] 2020-03-05
[86] 2018-09-07 (PCT/US2018/050007)
[87] (WO2019/051263)
[30] US (62/556,063) 2017-09-08

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

[21] 3,063,758 [13] A1	[21] 3,065,724 [13] A1	[21] 3,065,773 [13] A1
[51] Int.Cl. A61F 2/24 (2006.01) A61F 2/95 (2013.01) A61F 2/958 (2013.01)	[51] Int.Cl. A47J 27/00 (2006.01) A47J 36/10 (2006.01)	[51] Int.Cl. A47J 44/00 (2006.01) A47J 27/00 (2006.01) A47J 27/082 (2006.01) A47J 27/13 (2006.01) A47J 36/16 (2006.01)
[25] EN	[25] EN	[25] EN
[54] LOW PROFILE TRANSCATHETER HEART VALVE	[54] COOKING DEVICE AND COMPONENTS THEREOF	[54] COOKING DEVICE AND COMPONENTS THEREOF
[54] VALVULE CARDIAQUE TRANSCATHETER DE FAIBLE PROFIL	[54] DISPOSITIF DE CUISSON ET COMPOSANTS DE CELUI-CI	[54] DISPOSITIF DE CUISSON ET COMPOSANTS DE CELUI-CI
[72] HARITOU, LLIA, IL	[72] GILL, AARON MICHAEL, US	[72] GILL, AARON MICHAEL, US
[72] BENICHOV, NETANEL, IL	[72] RICHARDSON, ROSS, US	[72] RICHARDSON, ROSS, US
[72] NITZAN, YAACOV, IL	[72] ZABEL, NAOMI KALIA WILLIAMS, US	[72] ZABEL, NAOMI KALIA WILLIAMS, US
[72] FELSEN, BELLA, IL	[72] DENG, DA, US	[72] DENG, DA, US
[72] NGUYEN-THIEN-NH, DIANA, US	[72] GURSEL, METE, US	[72] GURSEL, METE, US
[72] KHANNA, RAJESH, US	[72] TATTERSFIELD, ANDREW JOHN ROY, US	[72] TATTERSFIELD, ANDREW JOHN ROY, US
[72] NGUYEN, SOM, US	[72] DENHAM, NIALL CHRISTOPHER, US	[72] DENHAM, NIALL CHRISTOPHER, US
[72] LEVI, TAMIR, IL	[72] JACKSON, ROGER NEIL, US	[72] JACKSON, ROGER NEIL, US
[72] PELLER, ITAI, US	[72] LEAHY, RONAN PATRICK, US	[72] LEAHY, RONAN PATRICK, US
[71] EDWARDS LIFESCIENCES CORPORATION, US	[72] WHITE, EVAN JAMES, US	[72] WHITE, EVAN JAMES, US
[22] 2009-06-08	[72] GUERIN, THOMAS, US	[72] GUERIN, THOMAS, US
[41] 2009-12-10	[72] MARTIN, CHRIS, US	[72] MARTIN, CHRIS, US
[62] 3,041,490	[72] LAVINS, NATHANIEL R., US	[72] LAVINS, NATHANIEL R., US
[30] US (61/059,656) 2008-06-06	[72] SWANHART, MACKENZIE LEE, US	[72] SWANHART, MACKENZIE LEE, US
	[72] FERGUSON, SAMUEL ANDREW, US	[72] FERGUSON, SAMUEL ANDREW, US
	[72] STEWART, SCOTT JAMES, US	[72] STEWART, SCOTT JAMES, US
	[71] SHARKNINJA OPERATING LLC, US	[71] SHARKNINJA OPERATING LLC, US
	[22] 2018-08-09	[22] 2018-08-09
	[41] 2019-02-14	[41] 2019-02-14
	[62] 3,067,866	[62] 3,067,866
	[30] US (62/543,082) 2017-08-09	[30] US (62/543,082) 2017-08-09

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] 3,065,785 [13] A1	[21] 3,065,792 [13] A1	[21] 3,065,805 [13] A1
[51] Int.Cl. A47J 44/00 (2006.01) A23L 5/10 (2016.01) A47J 27/00 (2006.01) A47J 27/086 (2006.01) A47J 36/06 (2006.01)	[51] Int.Cl. A47J 44/00 (2006.01) A47J 27/00 (2006.01) A47J 27/086 (2006.01) A47J 36/06 (2006.01)	[51] Int.Cl. A47J 44/00 (2006.01) A47J 27/00 (2006.01) A47J 27/086 (2006.01) A47J 36/06 (2006.01)
[25] EN	[25] EN	[25] EN
[54] COOKING DEVICE AND COMPONENTS THEREOF	[54] COOKING DEVICE AND COMPONENTS THEREOF	[54] COOKING DEVICE AND COMPONENTS THEREOF
[54] DISPOSITIF DE CUISSON ET COMPOSANTS DE CELUI-CI	[54] DISPOSITIF DE CUISSON ET COMPOSANTS DE CELUI-CI	[54] DISPOSITIF DE CUISSON ET COMPOSANTS DE CELUI-CI
[72] GILL, AARON MICHAEL, US	[72] GILL, AARON MICHAEL, US	[72] GILL, AARON MICHAEL, US
[72] RICHARDSON, ROSS, US	[72] RICHARDSON, ROSS, US	[72] RICHARDSON, ROSS, US
[72] ZABEL, NOAMI KALIA WILLIAMS, US	[72] ZABEL, NAOMI KALIA WILLIAMS, US	[72] ZABEL, NAOMI KALIA WILLIAMS, US
[72] DENG, DA, US	[72] DENG, DA, US	[72] DENG, DA, US
[72] GURSEL, METE, US	[72] GURSEL, METE, US	[72] GURSEL, METE, US
[72] TATTERSFIELD, ANDREW JOHN ROY, US	[72] TATTERSFIELD, ANDREW JOHN ROY, US	[72] TATTERSFIELD, ANDREW JOHN ROY, US
[72] DENHAM, NIALL CHRISTOPHER, US	[72] DENHAM, NIALL CHRISTOPHER, US	[72] DENHAM, NIALL CHRISTOPHER, US
[72] JACKSON, ROGER NEIL, US	[72] JACKSON, ROGER NEIL, US	[72] JACKSON, ROGER NEIL, US
[72] LEAHY, RONAN PATRICK, US	[72] LEAHY, RONAN PATRICK, US	[72] LEAHY, RONAN PATRICK, US
[72] WHITE, EVAN JAMES, US	[72] WHITE, EVAN JAMES, US	[72] WHITE, EVAN JAMES, US
[72] GUERIN, THOMAS, US	[72] GUERIN, THOMAS, US	[72] GUERIN, THOMAS, US
[72] MARTIN, CHRIS, US	[72] MARTIN, CHRIS, US	[72] MARTIN, CHRIS, US
[72] LAVINS, NATHANIEL R., US	[72] LAVINS, NATHANIEL R., US	[72] LAVINS, NATHANIEL R., US
[72] SWANHART, MACKENZIE LEE, US	[72] SWANHART, MACKENZIE LEE, US	[72] SWANHART, MACKENZIE LEE, US
[72] FERGUSON, SAMUEL ANDREW, US	[72] FERGUSON, SAMUEL ANDREW, US	[72] FERGUSON, SAMUEL ANDREW, US
[72] STEWART, SCOTT JAMES, US	[72] STEWART, SCOTT JAMES, US	[72] STEWART, SCOTT JAMES, US
[71] SHARKNINJA OPERATING LLC, US	[71] SHARKNINJA OPERATING LLC, US	[71] SHARKNINJA OPERATING LLC, US
[22] 2018-08-09	[22] 2018-08-09	[22] 2018-08-09
[41] 2019-02-14	[41] 2019-02-14	[41] 2019-02-14
[62] 3,067,866	[62] 3,067,866	[62] 3,067,866
[30] US (62/543,082) 2017-08-09	[30] US (62/543,082) 2017-08-09	[30] US (62/543,082) 2017-08-09

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,065,829**
[13] A1

[51] **Int.Cl. A47J 27/00 (2006.01) A47J 36/10 (2006.01)**
[25] EN
[54] **COOKING DEVICE AND COMPONENTS THEREOF**
[54] **DISPOSITIF DE CUISSON ET COMPOSANTS DE CELUI-CI**
[72] GILL, AARON MICHAEL, US
[72] RICHARDSON, ROSS, US
[72] ZABEL, NAOMI KALIA WILLIAMS, US
[72] DENG, DA, US
[72] GURSEL, METE, US
[72] TATTERSFIELD, ANDREW JOHN ROY, US
[72] DENHAM, NIALL CHRISTOPHER, US
[72] JACKSON, ROGER NEIL, US
[72] LEAHY, RONAN PATRICK, US
[72] WHITE, EVAN JAMES, US
[72] GUERIN, THOMAS, US
[72] MARTIN, CHRIS, US
[72] LAVINS, NATHANIEL R., US
[72] SWANHART, MACKENZIE LEE, US
[72] FERGUSON, SAMUEL ANDREW, US
[72] STEWART, SCOTT JAMES, US
[71] SHARKNINJA OPERATING LLC, US
[22] 2018-08-09
[41] 2019-02-14
[62] 3,067,866
[30] US (62/543,082) 2017-08-09

[21] **3,065,834**
[13] A1

[51] **Int.Cl. A47J 44/00 (2006.01) A47J 27/00 (2006.01) A47J 27/086 (2006.01) A47J 36/06 (2006.01)**
[25] EN
[54] **COOKING DEVICE AND COMPONENTS THEREOF**
[54] **DISPOSITIF DE CUISSON ET COMPOSANTS DE CELUI-CI**
[72] GILL, AARON MICHAEL, US
[72] RICHARDSON, ROSS, US
[72] ZABEL NAOMI KALIA WILLIAMS, US
[72] DENG, DA, US
[72] GURSEL, METE, US
[72] TATTERSFIELD, ANDREW JOHN ROY, US
[72] DENHAM, NIALL CHRISTOPHER, US
[72] JACKSON, ROGER NEIL, US
[72] LEAHY, RONAN PATRICK, US
[72] WHITE, EVAN JAMES, US
[72] GUERIN, THOMAS, US
[72] MARTIN, CHRIS, US
[72] LAVINS, NATHANIEL R., US
[72] SWANHART, MACKENZIE LEE, US
[72] FERGUSON, SAMUEL ANDREW, US
[72] STEWART, SCOTT JAMES, US
[71] SHARKNINJA OPERATING LLC, US
[22] 2018-08-09
[41] 2019-02-14
[62] 3,067,866
[30] US (62/543,082) 2017-08-09

[21] **3,072,656**
[13] A1

[25] EN
[54] **SYSTEMS AND METHODS FOR ALLOCATING SERVICE REQUESTS**
[54]
[72] FU, JINQIANG, CN
[72] ZENG, XIANYUE, CN
[72] LIU, YANGBIAO, CN
[72] LI, ZANG, CN
[71] BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD., CN
[22] 2018-06-15
[41] 2018-12-16
[62] 3,028,215
[30] CN (201710457389.6) 2017-06-16
[30] CN (201710458654.2) 2017-06-16

[21] **3,073,586**
[13] A1

[25] EN
[54] **ELECTRODYNAMIC FIELD STRENGTH TRIGGERING SYSTEM**
[54] **SYSTEME DE DECLENCHEMENT PAR INTENSITE DE CHAMP ELECTRODYNAMIQUE**
[72] COLVIN, ARTHUR E., US
[72] DEHENNIS, ANDREW, US
[71] SENSEONICS, INCORPORATED, US
[22] 2012-10-11
[41] 2013-04-18
[62] 2,851,792
[30] US (61/545,874) 2011-10-11
[30] US (61/597,496) 2012-02-10

[21] **3,070,431**
[13] A1

[51] **Int.Cl. H04N 21/647 (2011.01) H04N 21/643 (2011.01) H04N 21/6547 (2011.01) H04L 29/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CONFIGURING CONTROL MESSAGE IN BORADCASTING SYSTEM**
[54] **APPAREIL ET PROCEDE POUR LA CONFIGURATION D'UN MESSAGE DE CONTROLE DANS UN SYSTEME DE RADIODIFFUSION**
[72] HWANG, SUNG-OH, KR
[72] PARK, KYUNG-MO, KR
[72] RHYU, SUNG-RYEUL, KR
[72] SONG, JAE-YEON, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[22] 2012-10-15
[41] 2013-04-18
[62] 2,852,204
[30] KR (10-2011-0104892) 2011-10-13

[21] **3,073,632**
[13] A1

[25] EN
[54] **WALL ANCHOR ASSEMBLIES AND RELATED WALL MOUNT SYSTEMS**
[54] **ENSEMBLES D'ANCRAGE MURAUX ET SYSTEMES DE MONTAGE MURAUX CONNEXES**
[72] WILL, GARY E., US
[72] GRICE, BYRON K., US
[72] MALOTT, DALE G., US
[71] THE HILLMAN GROUP, INC., US
[22] 2016-06-28
[41] 2017-01-05
[62] 2,985,387
[30] US (62/186,908) 2015-06-30

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] **3,073,703**
[13] A1

[51] **Int.Cl. A61K 47/18 (2017.01) A61K 9/08 (2006.01) A61K 39/395 (2006.01) A61K 47/10 (2017.01) A61K 47/26 (2006.01)**

[25] EN

[54] **LIQUID PHARMACEUTICAL COMPOSITION**

[54] **COMPOSITION PHARMACEUTIQUE LIQUIDE**

[72] RINALDI, GIANLUCA, IT

[72] FRATARCANGELI, SILVIA, IT

[72] DEL RIO, ALESSANDRA, IT

[71] FRESENIUS KABI DEUTSCHLAND GMBH, DE

[22] 2015-05-15

[41] 2015-11-26

[62] 2,946,953

[30] EP (14169753.2) 2014-05-23

[21] **3,073,722**
[13] A1

[51] **Int.Cl. B67D 7/82 (2010.01) B67D 7/32 (2010.01) B67D 7/42 (2010.01) F16L 53/32 (2018.01) F16L 53/38 (2018.01)**

[25] EN

[54] **DEVICES AND METHODS FOR HEATING FLUID DISPENSERS, HOSES, AND NOZZLES**

[54] **DISPOSITIFS ET PROCEDES PERMETTANT DE CHAUFFER DES DISTRIBUTEURS DE FLUIDE, DES TUYAUX FLEXIBLES ET DES BUSES**

[72] HOLMES, DANIEL, US

[72] KRETZLER, RANDAL SCOTT, US

[72] LARSSON, BENGT I., SE

[72] REITER, JEFFREY, US

[72] SHELTON, ARTEMUS A., US

[71] WAYNE FUELING SYSTEMS LLC, US

[22] 2015-04-13

[41] 2015-10-22

[62] 2,958,716

[30] US (61/981,577) 2014-04-18

[30] US (14/286,405) 2014-05-23

[30] US (62/078,220) 2014-11-11

[30] US (14/568,729) 2014-12-12

[30] US (14/678,486) 2015-04-03

[21] **3,073,731**
[13] A1

[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/34 (2006.01) A61M 39/10 (2006.01)**

[25] EN

[54] **DRUG DELIVERY CONNECTORS**

[54] **RACCORDS POUR ADMINISTRATION PHARMACOLOGIQUE**

[72] TEKESTE, GIRUM YEMANE, US

[72] GIDDES, RICHARD, US

[71] BECTON, DICKINSON AND COMPANY, US

[22] 2011-08-17

[41] 2012-10-04

[62] 2,831,040

[30] US (61/467,465) 2011-03-25

[30] US (13/210,767) 2011-08-16

[21] **3,073,752**
[13] A1

[25] EN

[54] **SWIMMING POOL CLEANER AND ASSOCIATED COMPONENTS**

[54] **NETTOYEUR DE PISCINE ET COMPOSANTS ASSOCIES**

[72] HAYES, GRAHAM M., US

[72] TEUSCHER, SCOTT, US

[72] MARCIANO, EDWARD LAWRENCE, US

[72] ORTIZ, GARY, US

[72] CATY, PATRICK, US

[72] PEASTREL, MARK, US

[72] OSUNA, OMAR ENRIQUE, US

[72] RENIGAR, SETH DARRELL, US

[72] FLOYD, GREG, US

[72] FERRELL, GARRETT JACOB, US

[72] MAINVILLE, PATRICK, US

[72] DALLAIRE, ANTOINE, US

[71] HAYWARD INDUSTRIES, INC., US

[22] 2017-05-11

[41] 2018-11-15

[62] 3,030,120

[21] **3,073,768**
[13] A1

[25] EN

[54] **A CRASH-READY, PORTABLE, COMPARTMENTALIZATION DEVICE**

[54] **DISPOSITIF DE CLOISONNEMENT PORTABLE PREPARE POUR UNE COLLISION**

[72] SCHROEDER, TIMOTHY PAUL, US

[72] WEST, JAMES C., US

[71] FERNO-WASHINGTON, INC., US

[22] 2014-08-08

[41] 2016-01-21

[62] 2,954,612

[30] US (62/026,520) 2014-07-18

[21] **3,073,773**
[13] A1

[25] EN

[54] **AGRICULTURAL TOOLBAR APPARATUS, SYSTEMS AND METHODS**

[54] **APPAREIL, SYSTEMES ET PROCEDES POUR BARRE PORTE-OUTILS AGRICOLE**

[72] SAUDER, GREGG A., US

[72] KOCH, DALE M., US

[71] PRECISION PLANTING LLC, US

[22] 2012-06-04

[41] 2012-12-06

[62] 2,837,715

[30] US (61/493,158) 2011-06-03

[21] **3,073,785**
[13] A1

[51] **Int.Cl. H02J 7/02 (2016.01) H02J 50/10 (2016.01)**

[25] EN

[54] **MICROPROCESSOR CONTROLLED CLASS E DRIVER**

[54] **CIRCUIT D'ATTAQUE DE CLASSE E COMMANDE PAR MICROPROCESSEUR**

[72] DEARDEN, BRIAN R., US

[72] WOLFE, JAMES H., US

[72] KHEMANI, MANISH, US

[71] ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH, US

[22] 2014-07-29

[41] 2015-02-05

[62] 2,919,474

[30] US (61/859,471) 2013-07-29

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,073,908**
[13] A1

[25] EN
[54] **SERVICE CALL-AHEAD SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE A COMPOSER A L'AVANCE POUR SERVICE**
[72] MEYER, KARL, US
[72] TURNER, JONATHAN, US
[71] XPO LAST MILE, INC., US
[22] 2010-12-03
[41] 2011-06-04
[62] 2,723,506
[30] US (61/266,599) 2009-12-04
[30] US (12/722,455) 2010-03-11
[30] US (12/722,474) 2010-03-11
[30] US (12/722,463) 2010-03-11

[21] **3,073,912**
[13] A1

[51] **Int.Cl. A61C 13/00 (2006.01) A61C 13/083 (2006.01) A61C 13/09 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A BLANK AND DENTAL RESTORATION**
[54] **PROCEDE DE PRODUCTION D'EBAUCHE ET DE RESTAURATION DENTAIRE**
[72] VOLKL, LOTHAR, DE
[72] FECHER, STEFAN, DE
[72] KUTZNER, MARTIN, DE
[72] HORHOLD, HEINER, DE
[71] DENTSPLY SIRONA INC., US
[71] DEGUDENT GMBH, DE
[22] 2016-12-23
[41] 2017-07-06
[62] 3,007,603
[30] DE (10 2015 122 864.5) 2015-12-28

[21] **3,074,060**
[13] A1

[51] **Int.Cl. B65F 1/06 (2006.01) B65B 9/06 (2012.01) B65B 67/04 (2006.01) B65B 67/12 (2006.01) B65F 1/10 (2006.01)**
[25] EN
[54] **CASSETTE AND APPARATUS FOR USE IN DISPOSING WASTE MATERIALS INTO AN ELONGATED FLEXIBLE TUBE**
[54] **CASSETTE ET APPAREIL DESTINES A ETRE UTILISES POUR JETER DES DECHETS DANS UN TUBE FLEXIBLE ALLONGE**
[72] MORAND, MICHEL, CA
[71] INTERNATIONAL REFILLS COMPANY LTD., BB
[22] 2016-06-14
[41] 2016-12-22
[62] 2,989,524
[30] US (62/175,970) 2015-06-15

[21] **3,074,061**
[13] A1

[51] **Int.Cl. B65F 1/06 (2006.01) B65B 9/06 (2012.01) B65B 67/04 (2006.01) B65F 1/10 (2006.01)**
[25] EN
[54] **CASSETTE AND APPARATUS FOR USE IN DISPOSING WASTE MATERIALS INTO AN ELONGATED FLEXIBLE TUBE**
[54] **CASSETTE ET APPAREIL DESTINES A ETRE UTILISES POUR JETER DES DECHETS DANS UN TUBE FLEXIBLE ALLONGE**
[72] MORAND, MICHEL, CA
[71] INTERNATIONAL REFILLS COMPANY LTD., BB
[22] 2016-06-14
[41] 2016-12-22
[62] 2,989,524
[30] US (62/175,970) 2015-06-15

[21] **3,074,077**
[13] A1

[51] **Int.Cl. F25D 3/08 (2006.01) A45C 11/20 (2006.01) A45C 13/00 (2006.01) A47B 31/00 (2006.01) A47G 29/00 (2006.01) A47J 47/14 (2006.01) B65D 81/38 (2006.01)**
[25] EN
[54] **INSULATED CONTAINER WITH WORK SURFACE**
[54] **CONTENANT ISOLE AVEC SURFACE DE TRAVAIL**
[72] MITCHELL, ELIZABETH, CA
[72] BAATZ, MICHAEL, CA
[72] KEARNS, WILLIAM, CA
[72] EDWARDS, CHRISTOPHER, CA
[72] STEPHENS, RICHARD, US
[72] MOGIL, MELVIN S., CA
[71] CALIFORNIA INNOVATIONS INC., CA
[22] 2012-06-26
[41] 2013-12-26
[62] 2,782,668

[21] **3,074,082**
[13] A1

[51] **Int.Cl. G06K 17/00 (2006.01) E05B 47/00 (2006.01) E05B 65/48 (2006.01) E05B 67/00 (2006.01) G06K 7/10 (2006.01) G07C 1/32 (2006.01) G07C 9/00 (2020.01)**
[25] EN
[54] **SAFETY LOCKOUT SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE VERROUILLAGE DE SECURITE**
[72] KALOUS, SCOTT, US
[72] MACCOURT, KIERAN, US
[71] MASTER LOCK COMPANY LLC, US
[22] 2013-02-22
[41] 2013-08-29
[62] 2,945,894
[30] US (61/601,952) 2012-02-22

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] **3,074,090**
[13] A1

[51] **Int.Cl. C22C 21/08 (2006.01)**
[25] EN
[54] **IMPROVED 6XXX ALUMINUM ALLOYS, AND METHODS FOR PRODUCING THE SAME**
[54] **ALLIAGES D'ALUMINIUM DE LA SERIE 6XXX AMELIORES ET PROCEDES PERMETTANT DE PRODUIRE CES DERNIERS**
[72] LIN, JEN C., US
[72] ROVITO, ANTON J., US
[72] DOYLE, TIMOTHY P., US
[72] SULLIVAN, SHAWN P., US
[72] CICCOLA, GABRIELE F., US
[72] TAN, CHRISTOPHER J., US
[71] ARCONIC INC., US
[22] 2013-07-15
[41] 2014-01-23
[62] 2,877,781
[30] US (61/671,969) 2012-07-16
[30] US (13/774,702) 2013-02-22
[30] US (13/861,443) 2013-04-12

[21] **3,074,091**
[13] A1

[51] **Int.Cl. A61M 1/16 (2006.01) A61L 2/10 (2006.01) A61M 1/28 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PERITONEAL DIALYSIS EXCHANGES HAVING REUSABLE ENERGIZING UNIT**
[54] **SYSTEME ET METHODE D'ECHANGES DE DIALYSE PERITONEALE COMPRENANT UNE UNITE D'ALIMENTATION REUTILISABLE**
[72] MINKUS, MARC S., US
[71] BAXTER INTERNATIONAL INC., CH
[71] BAXTER HEALTHCARE S.A., US
[22] 2014-03-11
[41] 2014-10-02
[62] 2,905,393
[30] US (61/784,562) 2013-03-14
[30] US (61/917,739) 2013-12-18

[21] **3,074,096**
[13] A1

[51] **Int.Cl. B61D 7/22 (2006.01) B61D 7/02 (2006.01) B61D 7/18 (2006.01)**
[25] EN
[54] **RAILROADHOPPER CAR FITTINGS AND METHOD OF OPERATION**
[54] **RACCORDS DE WAGON-TREMIE ET METHODE DE FONCTIONNEMENT**
[72] FORBES, JAMES W., CA
[72] KHATTAB, MOHAMED A., CA
[72] BIS, TOMASZ, CA
[72] DAVIS, WILLIAM R., CA
[71] NATIONAL STEEL CAR LIMITED, CA
[22] 2006-09-08
[41] 2008-03-08
[62] 2,918,601

[21] **3,074,097**
[13] A1

[51] **Int.Cl. H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/513 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **METHOD OF MOTION VECTOR AND BLOCK VECTOR RESOLUTION CONTROL**
[54] **PROCEDE DE COMMANDE DE RESOLUTION DE VECTEUR DE MOUVEMENT ET DE VECTEUR DE BLOC**
[72] LIU, SHAN, US
[72] XU, XIAOZHONG, US
[71] HFI INNOVATION INC., CN
[22] 2015-11-19
[41] 2016-05-26
[62] 2,965,720
[30] US (62/082,222) 2014-11-20
[30] US (62/126,969) 2015-03-02
[30] US (62/182,685) 2015-06-22

[21] **3,074,098**
[13] A1

[51] **Int.Cl. G10L 19/26 (2013.01) G10L 19/02 (2013.01) H03H 17/02 (2006.01)**
[25] EN
[54] **COMPLEX EXPONENTIAL MODULATED FILTER BANK FOR HIGH FREQUENCY RECONSTRUCTION OR PARAMETRIC STEREO**
[54] **BANC DE FILTRES MODULES EXPONENTIELS COMPLEXES DESTINE A LA RECONSTRUCTION HAUTE FREQUENCE OU A LA STEREO PARAMETRIQUE**
[72] EKSTRAND, PER, SE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2010-02-17
[41] 2010-08-26
[62] 3,028,387
[30] SE (0900217-1) 2009-02-18
[30] US (61/257105) 2009-11-02

[21] **3,074,135**
[13] A1

[25] EN
[54] **STUCK PIPE DETECTION**
[54] **DETECTION DE TUYAU COINCE**
[72] WESLEY, AVINASH, US
[72] YU, PETER C., US
[71] LANDMARK GRAPHICS CORPORATION, US
[22] 2014-11-05
[41] 2016-05-12
[62] 2,962,894

[21] **3,074,157**
[13] A1

[51] **Int.Cl. A47K 11/02 (2006.01) F23G 7/00 (2006.01)**
[25] EN
[54] **INCINERATION TOILET**
[54] **TOILETTES A INCINERATION**
[72] ASLAKSEN, ODD ARNE, NO
[71] SIRIUS TECHNOLOGY AS, NO
[22] 2013-09-06
[41] 2014-03-13
[62] 2,883,194
[30] NO (20121008) 2012-09-06

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,074,163**

[13] A1

[51] **Int.Cl. E02D 29/12 (2006.01)**
[25] EN
[54] **HEIGHT ADJUSTMENT
MECHANISM FOR A MANHOLE
ASSEMBLY AND MANHOLE
ASSEMBLY COMPRISING THE
SAME**
[54] **MECANISME D'AJUSTEMENT DE
HAUTEUR DESTINE A UN
ENSEMBLE DE TROU D'HOMME
ET ENSEMBLE DE TROU
D'HOMME COMPORTANT LEDIT
MECANISME**
[72] BRIEN, TREVOR, CA
[71] BRIEN, TREVOR, CA
[22] 2018-03-29
[41] 2018-10-01
[62] 2,999,627
[30] US (62/480,419) 2017-04-01

[21] **3,074,225**

[13] A1

[25] EN
[54] **SYSTEMS AND METHODS FOR
DRIVE CIRCUITS FOR DYNAMIC
MAGNETIC STRIPE
COMMUNICATIONS DEVICES**
[54] **SYSTEMES ET PROCEDES POUR
CIRCUITS D'ATTAQUE DESTINES
A DES DISPOSITIFS DE
COMMUNICATION A PISTE
MAGNETIQUE DYNAMIQUES**
[72] CLOUTIER, BRUCE S., US
[72] LAMBETH, DAVID N., US
[72] WORKLEY, JAMES H., US
[71] DYNAMICS INC., US
[22] 2011-02-16
[41] 2011-08-25
[62] 2,983,911
[30] US (61/305,021) 2010-02-16

[21] **3,074,180**

[13] A1

[51] **Int.Cl. H04H 60/29 (2009.01) H04N
21/258 (2011.01) H04W 4/30 (2018.01)**
[25] EN
[54] **METHODS AND SYSTEMS TO
METER MEDIA CONTENT
PRESENTED ON A WIRELESS
COMMUNICATION DEVICE**
[54] **PROCEDES ET SYSTEMES
PERMETTANT DE MESURER UN
CONTENU MULTIMEDIA
PRESENTE SUR UN DISPOSITIF
DE COMMUNICATION SANS FIL**
[72] WRIGHT, DAVID H., US
[72] NASSER, KAMAL, US
[72] HERRMANN, JEFF L., US
[72] RAMASWAMY, ARUN, US
[72] MELLO, BRIAN, US
[71] THE NIELSEN COMPANY (US),
LLC, US
[22] 2007-03-27
[41] 2007-11-08
[62] 2,947,649
[30] US (60/786,190) 2006-03-27

Index of Canadian Patents Issued

March 24, 2020

Index des brevets canadiens délivrés

24 mars 2020

2498890 ONTARIO INC.	3,031,491	ADIONICS	2,751,248	ALLIED MINERAL	
2NDSTORYPLUS, LLC	2,934,319	ADITYA BIRLA NUVO		PRODUCTS, INC.	2,856,287
356864 ALBERTA LTD.	2,975,745	LIMITED	2,853,211	ALLISON TRANSMISSION,	
3M INNOVATIVE PROPERTIES		ADREON, WES	2,907,215	INC.	2,804,033
COMPANY	3,033,535	ADVANCED BARIATRIC		ALLISON TRANSMISSION,	
8 RIVERS CAPITAL, LLC	2,854,402	TECHNOLOGY, LLC	2,880,155	INC.	2,882,529
A.L. PATTERSON, INC.	3,003,657	ADVANCED MATERIAL		ALLMETAL, INC.	3,012,935
AAHLAD, YETURU	2,938,768	ENGINEERING PTE LTD	2,829,784	ALLOCCA, WILLIAM W.	2,777,959
AB INITIO TECHNOLOGY LLC	2,823,691	ADWELL, BRIAN	2,993,065	ALMAN, PAUL TAYLOR	2,806,775
AB INITIO TECHNOLOGY LLC	2,981,476	AEGION COATING SERVICES,		ALMEIDA, JEAN-LUC	2,808,511
ABAL, DANIEL	2,857,508	LLC	2,907,323	ALON, DAVID	3,005,848
ABARCA, ENRIQUE	3,004,427	AFTON CHEMICAL		ALPHA TECHNOLOGY U.S.A.	
ABB SCHWEIZ AG	3,053,203	CORPORATION	2,959,884	CORPORATION	2,750,752
ABBOT, STEWART	2,795,518	AGAMAITE, JAMES	2,799,775	ALSHIN, ALEXANDER	3,029,323
ABBOTT DIABETES CARE		AGASHE, SACHIN	2,887,048	ALSHINA, ELENA	3,029,323
INC.	2,840,640	AGFA NV	2,861,704	ALSTOM TRANSPORT	
ABBOTT POINT OF CARE,		AGILITY FUEL SYSTEMS LLC	2,903,713	TECHNOLOGIES	2,864,452
INC.	2,895,515	AGIOS PHARMACEUTICALS,		ALSVIK, INGER LISE	2,801,638
ABC GROUP INC.	2,873,735	INC.	2,793,836	ALTAMAR, CARLOS	
ABE, TOMOHIRO	2,894,233	AGIT GLOBAL IP HOLDINGS,		SALAZAR	2,817,879
ABEGGLEN, DANIEL	2,829,510	LLC	3,002,261	ALTERNATIVE FUEL	
ABERMAN, ZAMI	2,646,384	AHN, EDWARD	2,860,227	CONTAINERS, LLC	2,919,693
ABL IP HOLDING LLC	2,971,061	AIR PRODUCTS AND		ALVIRA, MAURICIO R.	2,939,103
ABL IP HOLDING LLC	2,979,467	CHEMICALS, INC.	2,807,985	ALVIZO, OSCAR	2,803,952
ABOLMAESUMI, PURANG	2,693,740	AIRBUS HELICOPTERS	2,998,653	AMAITIS, LEE M.	2,928,599
ABOUSLEIMAN, VINCENT	2,869,275	AIRBUS OPERATIONS (SAS)	2,745,515	AMARANTE, MIRANDA	2,861,854
ABTS, SHANNON LEE	2,853,290	AKER SOLUTIONS AS	2,846,208	AMATA, MARIO ANTHONY	2,937,560
ACCELERON PHARMA INC.	2,770,822	AKUTSU, YOSUKE	2,989,148	AMAZON TECHNOLOGIES,	
ACCENTURE GLOBAL		ALBERS, KARSTEN	2,967,539	INC.	2,777,959
SERVICES LIMITED	2,831,926	ALBIN, LENNY LEE	2,852,703	AMAZON TECHNOLOGIES,	
ACCENTURE GLOBAL		ALBRECHT, GERTRUD	2,926,287	INC.	2,866,261
SOLUTIONS LIMITED	2,956,207	ALCOA USA CORP.	2,989,288	AMAZON TECHNOLOGIES,	
ACCENTURE GLOBAL		ALCOHOL		INC.	2,911,269
SOLUTIONS LIMITED	2,997,970	COUNTERMEASURE		AMAZON TECHNOLOGIES,	
ACCENTURE GLOBAL		SYSTEMS		INC.	2,944,361
SOLUTIONS LIMITED	2,997,984	(INTERNATIONAL) INC.	2,780,135	AMAZON TECHNOLOGIES,	
ACCIPITER RADAR		ALCON INC.	2,978,612	INC.	2,980,772
TECHNOLOGIES INC.	2,803,332	ALCYONE LIFESCENCES,		AMBARTSOUMIAN,	
ACOSTA, ERICK J.	3,017,619	INC.	2,843,587	GOURGEN	3,048,738
ACTEGA NORTH AMERICA,		ALDERBIO HOLDINGS LLC	2,845,579	AMBROSE, CHRISTINE	2,897,626
INC.	2,960,381	ALDERUCCI, DEAN P.	2,928,599	AMCOR RIGID PLASTICS	
ACTINOBAC BIOMED, INC.	2,917,056	ALDRED, WALTER DAVID	2,819,318	USA, LLC	2,855,150
ACTIVE BASE	3,003,320	ALECU, DANIEL T.	2,806,068	AMCOR RIGID PLASTICS	
ACTIVE HEALTH		ALENIA AERMACCHI S.P.A.	2,810,765	USA, LLC	2,891,251
MANAGEMENT, INC.	2,861,824	ALI, SYED A.	2,868,279	AMERICAN HYDRO JET	
ADA-ES, INC.	2,793,326	ALIFAX S.R.L.	2,753,159	CORPORATION	2,862,347
ADAMS, CHAD M.	3,009,396	ALLAM, RODNEY JOHN	2,854,402	AMIOT, LOUIS-PHILIPPE	2,887,130
ADAMS, CHRISTOPHER		ALLANIC, ANDRE-LUC	2,813,924	AMMTEK	2,863,180
STEVEN	2,819,192	ALLEGIANCE CORPORATION	2,863,595	AMOS, JOHN D.	3,013,435
ADAMS, MARCUS D.	2,987,072	ALLEGORITHMIC	2,806,802	AMSTED RAIL COMPANY,	
ADAMSON, DOUGLAS H.	2,911,663	ALLEN, LYAL D.	2,832,180	INC.	2,995,792
ADB SAFEGATE SWEDEN AB	3,016,499	ALLENDES, RICARDO	2,835,174	AMYRIS, INC.	2,869,390
ADDISON, JAROD	2,847,360	ALLENDORF, ERIC	2,813,190	AMYRIS, INC.	2,869,393
ADDISON, JEFFREY C.	2,827,693	ALLHORN, MARIA	2,848,230	AN, NING	2,975,417
ADIE, GORDON CAMPBELL	2,797,595			ANAND, PJ	2,843,587

**Index des brevets canadiens délivrés
24 mars 2020**

ANAYA, GUSTAVO	2,817,879	ATI PROPERTIES LLC	2,886,994	BALLESTER ALONSO, EDUARDO	2,991,070
ANDERSCH, WOLFRAM	2,823,999	ATI PROPERTIES LLC	2,892,938	BALLOU, BERNARD L., JR.	2,805,426
ANDERSON, PATRICK	2,897,615	ATKINS, BRIAN	2,951,020	BALMAKHTAR, MAROUANE	3,017,908
ANDERSON, ANNALIESA	2,766,629	ATKORE STEEL COMPONENTS, INC.	3,012,523	BANIK, ROBERT	2,992,620
ANDERSON, BOB	2,819,192	ATLAS, MIKHAIL	2,958,963	BAO, QINGLI	2,831,015
ANDERSON, GREG	2,909,332	ATOMIC ENERGY OF CANADA LIMITED	2,766,440	BARAK, EHUD	2,966,860
ANDERSON, HENRY W.	2,995,727	ATOMIC ENERGY OF CANADA LIMITED	2,766,583	BARCKHOLTZ, TIMOTHY ANDREW	2,902,864
ANDREASSEN, STEEN	2,818,963	ATOMIC ENERGY OF CANADA		BARFOOT, GRADY	2,987,591
ANDRITZ INC.	2,937,947	LIMITED/ENERGIE		BARGER, WILLIAM E.	2,887,389
ANELLI, ETTORE	2,767,021	ATOMIQUE DU CANADA		BARHORST, STEVEN EDWARD	2,937,560
ANGENENDT, WERNER	2,893,312	LIMITEE	2,858,381	BARHORST, STEVEN EDWARD	2,937,562
ANGLART, DOROTA	2,880,922	ATTARD, JOSEPH	2,868,571	BARKER, JOSEPH	2,936,444
ANGLART, DOROTA	2,880,990	ATTENDS HEALTHCARE PRODUCTS, INC.	2,863,163	BARMORE, CHARLES S.	2,950,287
ANGOLI, ROBERTO	2,856,498	ATYR PHARMA, INC.	2,755,784	BARNES, ANDREW C.	2,724,641
ANIKET	2,956,570	AUDOLY, CHRISTIAN	2,864,412	BARNES, BLAKE	2,719,146
ANKER, MARTIN	2,866,440	AUER, BRIAN	2,867,485	BARNETT, THOMAS	2,780,542
ANNESS, DAREN K.	2,959,186	AVANT MEDICAL CORP.	2,724,641	BARR, CURTIS RANDOLPH	2,717,544
ANPAC BIO-MEDICAL SCIENCE CO., LTD.	2,789,682	AVENT, INC.	2,859,464	BARR, DOUGLAS	2,993,465
ANTELO, RANDY	2,868,523	AVENT, INC.	2,864,046	BARRETT, MICHAEL P.	2,819,318
ANTENNASYS, INC.	2,856,575	AVILA, LUIS MIGUEL	3,001,787	BARRICK, KEVIN MARION	2,894,308
ANVIL INTERNATIONAL, LLC	3,020,576	AW, CHENG HOK	2,829,784	BARRON, BRENT	2,955,218
AOKI, HIROFUMI	2,909,242	AWAI, EIJI	2,949,453	BARRY, DANIEL JOEL	3,019,688
APEX COMPRESSED AIR ENERGY STORAGE, LLC	2,879,871	AWI ABALO, BOLOM	2,857,261	BARS, EROL	2,899,831
APOS MEDICAL ASSETS LTD.	2,804,023	AXSUN TECHNOLOGIES, INC.	2,869,750	BARTEL, AARON WILLIAM	2,993,697
APOS MEDICAL ASSETS LTD.	2,804,252	AYAL, SHARON	2,877,145	BARTHEL, THOMAS	2,828,030
APPEL, MARYKE	2,742,594	AYOTTE, KEITH	2,856,575	BARTOLI, ANDREA	2,870,507
ARAKAWA, YOSHIHIRO	2,878,903	B+ EQUIPMENT (SAS)	2,861,624	BARTON, SCOTT N.	2,974,924
ARCELORMITTAL	2,938,356	B+B ENGINEERING GMBH	2,997,308	BASELL POLYOLEFINE GMBH	3,047,847
ARCELORMITTAL	2,956,537	B.S.A.F.E. MANUFACTURING INCORPORATED	2,960,051	BASF COATINGS GMBH	2,821,390
ARCELORMITTAL	3,008,072	BABCOCK POWER SERVICES, INC.	2,861,833	BASF SE	2,756,514
ARCHER DANIELS MIDLAND COMPANY	2,840,494	BACHMANN, HEINRICH	2,775,246	BASF SE	2,873,915
ARCTIC CAT INC.	2,928,750	BAE SYSTEMS IMAGING SOLUTIONS INC.	3,047,698	BASS, EDWARD A.	2,804,033
ARESCO TECHNOLOGIES, LLC	2,838,743	BAECHLE, RALF	3,053,203	BATES, JAMES	2,992,620
ARGUMAT	2,862,236	BAETICA, FLORIN	2,841,804	BATES, PETER	2,855,150
ARKEMA FRANCE	2,953,769	BAI, SHUANGLIN	2,802,804	BATHE, DUNCAN P.	2,991,860
ARLANXEO DEUTSCHLAND GMBH	2,851,395	BAIDYAROY, DIPNATH	2,815,522	BATTELLE MEMORIAL INSTITUTE	2,901,992
ARLANXEO DEUTSCHLAND GMBH	2,870,795	BAILEY, RONALD E.	2,837,596	BAUDER, RAINER	2,745,089
ARLINGHAUS, MARK E.	2,971,629	BAILLARGEON, STEVE	2,941,902	BAUER HOCKEY LTD.	2,967,783
ARMANGE, FRANTZ	2,882,816	BAIRD, DUNCAN	2,845,047	BAUER, MARTIN	2,968,601
ARMATORIO, ANDREW L.	2,909,722	BAITA, PIETRO	3,047,847	BAUERLE, PASCAL	2,867,840
ARMENGOL, MARIANO	2,767,021	BAKALA, L'UDOVIT	2,910,463	BAUMANN, CHRISTIAN	2,775,118
ARMENTEROS, JESUS R.	2,880,155	BAKALA, L'UDOVIT	2,996,488	BAUMANN, EDGAR	2,926,287
ARMIJO TORRES, JOSE IGNACIO	2,807,984	BAKER HUGHES, A GE COMPANY, LLC	2,996,554	BAUMGURTEL, LARS	3,015,539
ARMSTRONG, BRUCE A.	2,997,512	BAKER HUGHES, A GE COMPANY, LLC	3,005,645	BAUMGURTEL, LARS	3,015,539
ARRIGHI, PIERRE-ANTOINE	2,795,855	BAKER, JAMES BRYAN	2,909,727	BAXALTA GMBH	2,869,765
ARRIS ENTERPRISES LLC	2,899,878	BAKER, MITCHELL JEROME	2,820,610	BAXALTA INCORPORATED	2,869,765
ARRIS ENTERPRISES LLC	2,906,179	BAKER, STEVEN MORRIS	2,766,629	BAXLEY EQUIPMENT CO.	2,823,914
ASAMARAI, SAEB	2,826,701	BALAJI, KODUMUDI S.	2,840,571	BAYER HEALTHCARE LLC	2,799,775
ASAP BREATHEASSIST PTY LTD	2,986,934	BALAN, GUHAN	2,959,186	BAYER HEALTHCARE LLC	2,831,907
ASARI, DAISUKE	2,801,385	BALDENIUS, KAI-UWE	2,756,514	BAYER INTELLECTUAL PROPERTY GMBH	2,777,314
ASIANO, WILLIAM T.	2,939,868	BALDREY, KENNETH E.	2,793,326	BAYER INTELLECTUAL PROPERTY GMBH	2,823,999
ASKEM, BEN ALAN	2,867,969	BALESTRA, ENRICO	3,047,847	BAYER INTELLECTUAL PROPERTY GMBH	2,859,133
ASTRIUM LIMITED	2,857,607			BAYER INTELLECTUAL PROPERTY GMBH	2,861,015
ATABAKI, SALAR	3,025,262			BAYER PHARMA AKTIENGESELLSCHAFT	2,859,133
ATALA, ANTHONY	2,845,516				
ATI PROPERTIES LLC	2,837,596				

Index of Canadian Patents Issued March 24, 2020

BAYES, THOMAS JOHN WILLIAM	2,969,219	BEST, STEVEN A.	3,010,058	BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC.	2,744,454
BEAGEN, JOSEPH WILLIAM, JR.	3,020,576	BETANCOURT, ERNEST BLAS	2,724,537	BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC.	2,861,199
BEALE, TOM	2,992,647	BETTIGA, MAURIZIO	2,744,426	BOEHRINGER INGELHEIM RCV GMBH & CO KG	2,921,883
BEAUVAIS, MARTIN	2,956,537	BEUERLE, FREDERICK C.	2,855,150	BOLIKAL, DURGADAS	2,863,203
BEAVIS, ANDREW	2,928,750	BEUTERBAUGH, AARON MICHAEL	3,018,711	BOLLAS, ROBERT A.	2,987,072
BECHTHOLD, GRANT MARK	2,841,804	BEUTLER, JOHN, A.	2,760,547	BOMBARDIER TRANSPORTATION GMBH	2,871,169
BECKER, TORBEN	2,829,406	BEWICK, LINDSAY SUZANNE	2,969,457	BOMER, ULF	2,859,133
BECKER, WILLIAM JOSHUA	2,952,495	BEWICK, LINDSAY SUZANNE	2,969,465	BOND, JAMES ERIC	2,896,479
BECKMANN, STEFAN	2,984,665	BEYER, PETER J.	2,956,562	BONDY, JAMES	2,827,693
BECTON, DICKINSON AND COMPANY	2,881,883	BEZET, NICOLAS JEAN-GUY	2,865,851	BONKOSKI, WILLIAM A.	2,942,941
BECTON, DICKINSON AND COMPANY	2,927,992	BHAGAT, RAHUL H.	2,866,261	BORDEN, MARK D.	2,853,457
BECTON, DICKINSON AND COMPANY	2,946,403	BHANDARKAR, MARUTI	2,895,052	BOREALIS AG	2,866,440
BECTON, DICKINSON AND COMPANY	2,957,928	BHATTACHARYYA, RIDDHI	2,733,670	BORG, ZAKARY JAMES	2,972,077
BECTON, DICKINSON AND COMPANY	2,992,620	BHIDE, SHREYAS	2,887,048	BORGGAARD, GEOFFREY ALLEN	2,848,638
BECTON, DICKINSON AND COMPANY	3,009,396	BHUSHAN, NAGA	2,915,130	BORNER, GUNTER	2,997,308
BEESON, RICHARD	2,952,495	BIAN, NANYING	2,938,544	BORNHOFT, STEPHEN T.	2,946,403
BEHLER, ANSGAR	2,873,915	BIFULCO, NEIL	2,866,467	BOSMA, EPKE	2,880,922
BEHNISCH, JURGEN	2,828,030	BIGGIO, MARIO	2,851,768	BOSMA, EPKE	2,880,990
BEHRENS, JORG	2,829,821	BIHLMAIER, BRYAN F.	2,927,992	BOSTON SCIENTIFIC SCIMED, INC.	2,859,989
BEISSMANN, FRANK	2,850,093	BILGE, HUSEXIN FERTAC	2,809,842	BOTARGUES, PAULE	2,745,515
BELINKA, BENJAMIN	2,917,056	BILLION KING INTERNATIONAL LIMITED	2,849,448	BOTROS, IHAB	2,850,329
BELIVEAU, MATHIEU PHILIPPE	2,962,537	BILLOET, VINCENT	2,800,426	BOTROS, MAGED G.	2,962,059
BELLALA, RAGHUNATH	2,844,445	BINDER, HANS	2,902,025	BOUCHARD, HERBERT J.	3,049,520
BELLINGAR, TERESA A.	2,956,562	BINDER, OTTMAR	2,902,025	BOUCHER, RICHARD	2,838,529
BEMIS COMPANY, INC.	2,717,544	BINETRUY, GERALD L.	2,821,901	BOUILLARD, BERNARDO	2,792,755
BEN-MUVHAR, SHMUEL	2,930,497	BINETRUY, MARK J.	2,821,901	BOUIX, HERVE	2,999,722
BENDER, PAUL	2,936,444	BING INNOVATIONS, LLC	2,864,411	BOURBON CORPORATION	2,755,715
BENGTSSON, OSKAR	2,744,426	BIO-RAD LABORATORIES, INC.	2,767,182	BOURDAKOS, NICHOLAS	3,046,979
BENHAM, ELIZABETH ANN	2,895,052	BIO-RAD LABORATORIES, INC.	2,825,651	BOURGET, SEBASTIEN	2,869,275
BENITEC BIOPHARMA LIMITED	2,853,613	BIOANALYTICAL SYSTEMS, INC.	2,814,539	BOURN, WILLIAM	2,742,594
BENOIT, MIKE	2,803,952	BIOGEN MA INC.	2,897,626	BOUSCHBACHER, MARIELLE	2,839,760
BENSALAH, SLIM	2,861,076	BIOLASE, INC.	2,958,963	BOUSTINGORRY, PASCAL	2,864,628
BENTOLILA, ARIEL S.	2,881,665	BIOMICS BIOTECHNOLOGIES CO., LTD.	2,888,286	BOUTOUSOV, DMITRI	2,958,963
BENUM, LESLIE WILFRED	2,799,518	BIONTECH RNA PHARMACEUTICALS GMBH	2,768,600	BOWEN, MICHAEL L.	2,969,700
BERDUGO POLAK, MARIANNE	2,863,180	BIRENBAUM, NICOLAS	3,037,463	BOWMAN, LYNSEY	2,895,564
BERGEN-BRENKMAN, TANJA VAN	2,887,374	BISHOP, CHARLES W.	2,882,048	BOYD, THOMAS J.	2,888,204
BERGER, CLAUDIA	2,912,945	BIST, SHANTA	2,866,467	BP S.R.L.S.	2,896,639
BERGEVIN, LOUIS	2,850,653	BITTAR, MICHAEL S.	2,947,143	BRADDOCK, CHARLES KERWIN	2,969,339
BERGEVIN, YVAN	2,850,653	BIYIKLIOGLU, NIHAT	2,851,556	BRADLEY, DONALD	2,868,523
BERGQVIST, MATTIAS	2,866,440	BIZET, STEPHANE	2,953,769	BRADSHAW, JEFF	2,862,324
BERIET, CARINE	2,842,134	BLACKBERRY LIMITED	2,904,023	BRAMBRINK, OLIVER TOBIAS	2,683,056
BERKLAND, CORY	2,897,795	BLAKE, JOSHUA	3,035,348	BRANDAU, SVEN	2,851,395
BERLOWITZ, PAUL J.	2,902,864	BLANEY, JOSEPH E., JR.	2,903,126	BRANDT, CAMERON S.	2,971,794
BERMAN, ADAM, L.	2,817,552	BLANKENSHIP, YUFEI WU	2,904,023	BRANDT, CHRISTIAN P.	2,865,274
BERMUDEZ, MICHEL	2,895,547	BLASKOVICH, PHILLIP	2,817,260	BRANNOCK, SAMUEL LINCOLN	3,002,463
BERNSTEIN, CHRISTINA	2,856,287	BLETRIX, LAETTIA	2,966,622	BRAR, SATINDER KAUR	2,945,507
BERTHEAU, STEPHANE	2,814,160	BLIENINGER, FRANZ	2,832,786	BREJA, JOSEPH EDWARD	2,885,308
BERTI, LORENZO	2,915,598	BLISS, DOUGLAS	2,689,490	BREUILLE, DENIS	2,815,109
BERTRAM, MICHAEL SCOTT	2,937,562	BLUME, ANDREAS	2,984,665	BREWER, JAMES MATTHEW	2,911,637
BERTUCCI, JEAN	2,857,927	BLUME, ANKE	2,868,667	BREZOCZKY, KELLY LEWIS	2,863,163
BESELT, RONALD E.	2,910,426	BLUMENAU, MARC	2,870,190	BREZOCZKY, THOMAS BLASIUS	2,863,163
BESSONOV, ALEXANDER	2,996,460	BOEGE, SAMUAL DAVID	2,957,763		
		BOEGE, SAMUAL DAVID	2,957,973		

**Index des brevets canadiens délivrés
24 mars 2020**

BRICK, MARY C.	2,984,428	BUTTERFIELD, ROBERT D.	2,857,508	CARSON, GARY A.	2,989,485
BRIGHAM YOUNG UNIVERSITY	2,848,567	BUTTON, BRIAN	2,838,529	CARVER, CONNIE F.	2,987,072
BRIGHTWELL DISPENSERS LIMITED	2,790,850	BUYUKISIK, OSMAN	2,868,523	CASANOVA, ROBERT	2,861,624
BRINKWORTH, LOUISE A.	2,883,565	BYRNE, JIM D.	2,871,893	CASCADE BIOSYSTEMS, INC.	2,789,874
BRINTRUP MEEDER, MARCELO	2,891,154	BYRNE, DON	2,819,192	CASCADES CANADA ULC	2,844,259
BRISCOE, HAYDEN	2,724,755	BYRNE, NORMAN R.	3,052,172	CASEBOLT, SCOTT C.	2,846,390
BRISTOL-MYERS SQUIBB COMPANY	2,796,338	C&D ZODIAC, INC.	3,025,262	CASNER, BRUCE A.	2,891,438
BRISTOL-MYERS SQUIBB COMPANY	2,930,060	C.R. BARD, INC.	2,887,790	CASTAGNER, BASTIEN	2,849,426
BROAN-NUTONE LLC	2,870,278	CABONI, MICHELE	2,861,204	CASTELLINO, FRANCESCO	2,899,149
BROAN-NUTONE LLC	3,026,121	CABOT CORPORATION	3,013,027	CASTILLO-EFFEN, MAURICIO	2,995,259
BROCKMAN, ROBERT T.	2,920,190	CABRERA, ROSA	2,816,190	CAUPP, STEVE L.	2,987,072
BRODKORB, SEBASTIAN	2,997,308	CACHERO, TERESA G.	2,897,626	CAYER, CLAUDE	2,962,077
BROETJE AUTOMATION GMBH	2,851,556	CACHO ALONSO, JUAN CARLOS	2,944,371	CDENVIRO LIMITED	3,065,866
BROHM, DIRK	2,859,133	CADILA HEALTHCARE LIMITED	2,980,847	CEDARS-SINAI MEDICAL CENTER	2,752,033
BROMLEY, JASON CARL	3,046,979	CADOTTE, PATRICK	3,037,463	CEGLIO, MARK PAUL, II	3,017,619
BROOKER, ALAN THOMAS	2,969,457	CAE INC.	2,962,077	CELL RECEPTOR SA	2,926,888
BROOKER, ALAN THOMAS	2,969,458	CAGNIN, PHILIPPE	2,862,673	CELLTECH METALS, INC.	3,028,083
BROOKER, ALAN THOMAS	2,969,465	CAI, SUI XIONG	2,831,015	CELULARITY, INC.	2,795,518
BROOME, JOHN TODD	2,995,685	CAI, ZHIJUN	2,904,023	CEM CORPORATION	2,854,638
BROTHER KOGYO KABUSHIKI KAISHA	2,846,368	CALCUTT, MICHAEL E.	2,959,925	CENTRE DE RECHERCHE INDUSTRIELLE DU QUEBEC (CRIQ)	2,945,507
BROTHER KOGYO KABUSHIKI KAISHA	2,990,342	CALDERONE, JOSEPH ANTHONY, III	2,959,884	CETINDAG, SEDAT	2,873,948
BROTHER KOGYO KABUSHIKI KAISHA	2,990,346	CALIBRE8 PTY LTD	2,867,345	CFPH, LLC	2,928,599
BROWN, AARON	2,871,633	CALLEWAERT, NICO LUC MARC	2,887,752	CHAE, PIL SEOK	2,997,394
BROWN, ANDREW A.	2,915,598	CAMPAGNA, MICHAEL	2,881,665	CHAKRABARTY, TAPANTOSH	2,837,475
BROWN, BRANDON HEATH	2,835,932	CAMPBELL, BRUCE E.	2,810,512	CHAMBERS, RICHARD L.	3,010,531
BROWN, JOSHUA RICHARD	2,805,426	CAMPBELL, CAREY V.	2,883,903	CHAMBERT, MARTIN	2,967,783
BROWN, RANDALL W.	2,955,218	CAMPBELL, CURT	2,854,789	CHAN TAVE, ERIC	3,037,463
BROWN, ROWAN	2,861,558	CAMPBELL, RONALD R.	2,863,408	CHAN, JOCELYN	2,926,205
BRUEHWILER, MICHEL	2,992,620	CAMPBELL, RAY	2,796,338	CHAN, KEITH	2,619,591
BRUMMER, DOUG	2,870,083	CANNET, MOLLY	2,953,769	CHANDANA, PRATAP	2,970,824
BRUSH, TIMOTHY JON	2,993,065	CANTLEY, LEWIS C.	2,793,836	CHANG, BRANDON R.I.	2,777,959
BRYAN, DAVID J.	2,886,994	CAO, FEINA	2,853,800	CHANG, CHEONG HO	2,894,815
BSN MEDICAL GMBH	2,843,776	CAO, LEI	2,993,065	CHANG, CHRISTOPHER	2,752,033
BUBLOT, MICHEL	2,744,454	CAPISTRON, STEPHEN	2,860,227	CHANG, FRANK	2,978,612
BUCHA, ELKE	2,731,664	CAPITAL HARDWARE SUPPLY, LLC	2,874,342	CHANG, HSIU-KANG	2,985,381
BUCHER, CYRILL	2,689,490	CAPITINI, DAVIDE	2,870,507	CHANNELL, ALEXANDER B.	3,018,949
BUELNA, GERARDO	2,945,507	CAPUOZZO, GIUSEPPE	2,831,926	CHANOCK, ROBERT M.	2,903,126
BUESCHEL, MICHAEL	2,756,514	CARABALLO, WILFREDO	2,907,323	CHAPPEL, ERIC	2,835,174
BUNDREN, JASON	2,850,136	CARDIFF GROUP, NAAMLOZE VENNOOTSCHAP	2,897,531	CHAPPELL, MICHAEL L.	2,675,183
BUNDY, JOSEPH C.	2,937,560	CARDINALE, MICHAEL	2,867,485	CHARAVDA, JAYPRAKASH	2,911,729
BUNDY, JOSEPH C.	2,937,562	CAREFUSION 2200, INC.	2,991,035	CHARVAT, GREGORY L.	2,960,178
BUNKER, RONALD SCOTT	2,958,680	CAREFUSION 303, INC.	2,857,508	CHAUDHARY, BHARAT I.	2,887,048
BUNN-O-MATIC CORPORATION	2,862,357	CARL ZEISS VISION INTERNATIONAL GMBH	3,031,672	CHAUDHARY, BHARAT I.	2,891,062
BUNOZ, ETIENNE VINCENT	2,790,850	CARL ZEISS VISION INTERNATIONAL GMBH	3,040,854	CHAUVIN, DEWEY	2,852,586
BUREL, LUCAS	2,745,515	CARLSSON, ANDERS	2,832,664	CHAZOTTES, XAVIER	2,814,160
BURGER, GUNTER	2,928,335	CARNEGIE MELLON UNIVERSITY	2,967,017	CHEHAYEB, KARIM	2,934,026
BURGER, ORA	2,646,384	CARNEY, JOSHUA DANIEL	3,008,224	CHELUGET, ERIC	2,809,718
BURK, MICHAEL W.	2,724,641	CARPENTER, BRIAN SCOTT	3,033,279	CHEMO RESEARCH SL	2,840,571
BURKHOLZ, JONATHAN KARL	3,009,396	CARPENTER, MICHAEL	2,864,636	CHEMSPEED TECHNOLOGIES AG	2,967,078
BURKI, CAROLINA	2,803,360	CARRANZA GARZON, NELSON M.	2,857,970	CHEN, BENTAI	2,802,806
BURLESS, SCOTT	2,871,026	CARRASCO, ANTOINE	2,862,236	CHEN, BRENDAN	2,866,467
BURRIS, CHARLES	2,999,444	CARRASCO, DAVID	2,806,341	CHEN, CHENGQIAN	3,026,781
BUSHIGAMPALA, SRIDHAR	2,890,400	CARROLL, JEFFREY P.	2,993,065	CHEN, DAGENG	2,974,624
		CARROLL, TONY G.	2,878,424	CHEN, JIANXIN	2,888,286
				CHEN, JIE	2,982,486
				CHEN, KE	2,983,746
				CHEN, LIMENG	3,013,027
				CHEN, MU-KUEI	2,968,446
				CHEN, SHENGZHI	2,831,015

**Index of Canadian Patents Issued
March 24, 2020**

CHEN, TSANG-TSE	2,968,446	CLAVELLE, ERIC	2,799,518	CONSTANTINEAU, COLE	2,992,620
CHEN, XIANG	2,888,204	CLEANBRANDS, LLC	2,839,000	CONTITECH USA, INC.	2,832,180
CHEN, XIAOLING	2,856,448	CLEEK, ROBERT L.	2,883,903	CONWAY, ANTHONY J.	2,887,790
CHEN, YING	2,849,283	CLEMENT, CHARLES J.	2,943,972	CONWAY, BERNARD	
CHEN, YING	2,865,949	CLEMENT, FREDERICK	3,037,463	WILLIAM	2,777,889
CHENG, MIN	2,897,795	CLEMENTS, J. SID	2,805,426	COOK, JOHN	2,819,318
CHENG, WEI	2,733,670	CLERC, VINCENT	2,948,212	COOPER STANDARD	
CHERNOV-KHARAEV, ARTEM NIKOLAEVICH	2,893,425	CLOAD, SHARON T.	2,796,338	AUTOMOTIVE INC.	2,862,324
CHEVALIER, ERIC	2,848,584	CLOUGH, MALCOLM JAMES	2,858,381	COOPER, MARTIN	3,010,820
CHEVRON ORONITE		COBHAM MISSION SYSTEMS		CORNING OPTICAL	
COMPANY LLC	2,854,789	DAVENPORT LSS INC.	2,876,816	COMMUNICATIONS LLC	2,973,660
CHEVRON ORONITE SAS	2,854,789	COBO, SEBASTIAN	2,956,537	CORRECT MOTION INC.	3,027,716
CHEVRON PHILLIPS		CODEXIS, INC.	2,803,952	COSEGLIA, JOHN	2,995,792
CHEMICAL COMPANY LP	2,848,045	CODEXIS, INC.	2,815,522	COTAL SEPULVEDA, RICHARD	2,792,191
CHEVRON PHILLIPS		COFFEY, ROBERT THOMAS	2,993,065	COTE, PIERRE LUCIEN	2,942,941
CHEMICAL COMPANY LP	2,871,893	COGEN, JEFFREY M.	2,861,113	COTONI, KRISTEN	2,938,544
CHEVRON PHILLIPS		COHEN, MATTHEW	2,849,821	COTTELL, JOHN	2,847,360
CHEMICAL COMPANY LP	2,895,052	COHEN, SCOTT	2,959,002	COTTON, DARRYL	2,996,460
CHEVRON PHILLIPS		COHN, SIMON	2,867,485	COUTO, FERNANDO JOSE	
CHEMICAL COMPANY LP	2,905,276	COHN, WILLIAM, E.	2,817,552	REBELO DO	2,901,238
CHI SING, EDUARDO	2,766,341	COITO, CARLOS	2,752,237	COVEZZI, MASSIMO	3,047,847
CHI, SHUANGSHUANG	2,973,746	COITO, CARLOS	2,755,404	COVIDIEN LP	2,817,260
CHIEN, YU-HSIN	2,985,381	COLAS, GUILBAUT	3,003,320	COVIDIEN LP	2,849,821
CHIN, JUSHAN	2,862,658	COLE, ERIC V.	2,911,838	COVIDIEN LP	2,959,925
CHINA UNIONPAY CO., LTD.	3,026,781	COLE, JEAN-PIERRE	2,840,640	COVIDIEN LP	2,995,281
CHINN, ROBERT C.	2,954,621	COLE, MARK A.	2,766,341	COVIDIEN LP	2,995,281
CHINOOK HAY SYSTEMS INC.	3,017,327	COLGATE-PALMOLIVE COMPANY	2,888,204	COX, CHRIS	2,850,329
CHIPROOT, AVI	2,818,461	COLGATE-PALMOLIVE COMPANY	2,889,164	COX, DOUGLAS P.	3,028,083
CHIROBLOCK GMBH	2,984,213	COLGATE-PALMOLIVE COMPANY	2,889,164	COX, STEPHEN JOHN	2,875,817
CHIYODA CORPORATION	2,949,453	COLGATE-PALMOLIVE COMPANY	2,896,569	CRANER, MICHAEL	2,738,631
CHO, KYUNG HO	2,997,394	COLGATE-PALMOLIVE COMPANY	2,912,368	CRAWFORD, KEITH H.	2,882,048
CHOL, CHUN WAI	2,896,479	COLI, TODD	3,012,331	CREAGHAN, DAVID MICHAEL ROSS	2,880,606
CHONO, KEIICHI	2,909,242	COLLARD, JOSEPH	2,752,237	CRESPO, CARLOS	3,010,058
CHOU, WEI-I	2,985,381	COLLARD, JOSEPH	2,755,404	CRIEZIS, ANTHONY WILLIAM	2,810,512
CHRISTENSEN, DAVID	2,991,860	COLLIN, MARIE-PIERRE	2,859,133	CRODA INTERNATIONAL PLC	2,887,374
CHRISTENSEN, KELLY	2,927,992	COLLIN, MATTIAS	2,848,230	CROFT, NICK	2,781,455
CHRISTIAN, TERRY M.	2,897,795	COLLINS, SARAH JENNY	2,797,595	CROMPTON TECHNOLOGY GROUP LIMITED	2,992,647
CHRISTIE, SCOTT AARON	2,880,243	COLUMBIA UNIVERSITY	2,789,404	CROMPTON, DAVID B.	3,049,520
CHRISTOPHER, ALYSON M.	3,013,027	COLWELL, JOSEPH	2,797,153	CROOK, PAUL	2,808,870
CHRYSO	2,864,628	COMCAST CABLE		CROSS, MARK	2,781,455
CHU, DANLEI	2,867,212	COMMUNICATIONS, LLC	2,716,911	CROSS-FLOW ENERGY COMPANY LIMITED	2,781,455
CHU, JEFFREY C.	2,900,933	COMCAST INTERACTIVE MEDIA, LLC	2,695,709	CROWGEY, ERIN	2,784,106
CHU, JIAN YING	2,966,784	COMITA-PREVOIR, JANELLE	2,866,467	CRYSTAL SPRING COLONY FARMS LTD.	3,052,008
CHUANG, HSING-YEN	2,852,586	COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION	2,838,475	CUI, QI	2,979,906
CHUJOH, TAKESHI	2,971,911	COMOFORD, JOHN J.	2,929,503	CULIAT, CYMBELINE T.	2,699,614
CHUNG, SUNG HWAN	2,766,583	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	2,890,365	CULLY, EDWARD H.	2,883,903
CIANCIUSI, RENATO	3,010,820	CONDAIR LTD.	3,012,142	CUMMINGS, LARRY J.	2,825,651
CIANNA MEDICAL, INC.	2,766,341	CONI, PHILIPPE	2,835,587	CUNNINGHAM, DAN	2,997,512
CIDRA CORPORATE SERVICES INC.	2,911,663	CONNELL, MICHAEL L.	2,829,220	CURADEAU, ALEXANDRE D.	2,993,697
CLAAS INDUSTRIETECHNIK GMBH	2,991,600	CONNERTY, DENISE L.	2,780,135	CURNA, INC.	2,752,237
CLACHAR, SOPHINE	2,892,538	CONNOR, GUY	2,819,912	CURNA, INC.	2,755,404
CLARANT PRODUKTE (DEUTSCHLAND) GMBH	2,863,734	CONNOR, JEROME	2,837,196	CURT G. JOA, INC.	2,814,296
CLARION BATHWARE, INC.	2,777,951	CONOCOPHILLIPS COMPANY	2,897,795	CURTIS, MICAH A.	2,996,238
CLARK, BRANDON	3,035,348	CONRADO, ROBERT JOHN	3,046,979	CUTHBERT, ANDREW	2,958,048
CLARK, CHOW	3,023,717	CONRY, PAT	2,823,914	CX5 SECURITY SOLUTIONS INC.	3,000,930
CLARK, JUSTIN THOMAS	2,842,550			CZAINSKI, ROBERT	2,871,169
CLARKE, DANA S.	3,045,005			D B INDUSTRIES, LLC	2,846,390
CLARKE, MICHAEL O'NEIL HANRAHAN	2,866,381			D'HOOGE, FRANCOIS	2,926,876

**Index des brevets canadiens délivrés
24 mars 2020**

DAGGUPATI, SATEESH	2,900,185	DELIJA, FRANE	2,876,171	DISCH, SASCHA	2,955,095
DAHL, ANDREW M.	2,929,503	DELOVSKI, TONI	2,829,821	DISPLAY TECHNOLOGIES	2,913,500
DAHL, ARNT OLAV	2,897,615	DEMARCO, PAUL D.	2,777,959	DNESTRIANSCHII, LUCIEN	3,052,008
DAHLEN, KRISTIAN	2,866,440	DEMOULIN, LAMBERT		DO, HUNG T.	3,047,698
DAHLSTROM, MARY ANN	2,793,251	OLIVIER MARIE	2,882,816	DO, QUANG T.	2,894,308
DAI, WEIGUO	2,792,517	DEMUTH, HANS-ULRICH	2,789,440	DOBBS, ERIC ROBERT	2,806,775
DAILY, CHRISTOPHER		DENG, DONGMEI	2,885,905	DOBSON, NICK	2,867,345
GEORGE	2,958,212	DENZEZ, FABIENNE M.	2,796,338	DOCUSIGN, INC.	2,798,249
DALISAY, GEORGE	3,012,523	DENISOV, ALBERT		DODD, KRISTIN N.	2,777,889
DALMINE S.P.A.	2,767,021	NIKOLAEVICH	2,959,466	DODGE, INGRID LEA	2,766,629
DAMEZ, CYRILLE	2,806,802	DENNER, TOBIAS	2,870,190	DOGAN, NIHAN	2,865,851
DANA CANADA		DENNY, JOHN W.	2,958,087	DOLE, KEVIN	2,750,752
CORPORATION	3,058,993	DENT, ROBERT	2,911,395	DOLEY, PHILIPP	3,011,052
DANA FARBER CANCER		DEODESHMUKH, VINAY P.	2,808,870	DOLSEY, RUSSELL	2,850,088
INSTITUTE, INC.	2,746,256	DEPUY SYNTHES PRODUCTS,		DONALDSON, GREGORY T.	2,929,503
DANG, LENNY	2,793,836	INC.	2,795,463	DONATELLO, MATTHEW	2,838,668
DANG, QUOC-HUNG	2,706,688	DEPUY SYNTHES PRODUCTS,		DONDERICI, BURKAY	2,893,747
DANIEL, OLIVIER	2,821,661	INC.	2,873,856	DONG, HAIJUN	2,831,015
DANSEREAU, RICHARD JOHN	2,959,186	DEPUY, RICHARD ANTHONY	2,807,985	DOREL JUVENILE GROUP,	
DANSET, GAETAN LUC		DERAKHSHANI, REZA R.	2,989,575	INC.	2,886,259
DOMINIQUE	2,853,290	DERENONCOURT, FRANCK	3,007,604	DOREMUS, SIBYLLE	2,861,076
DAON HOLDINGS LIMITED	2,795,601	DERULE, HERVE	2,938,356	DOUAIRE, PHILIPPE	2,939,477
DARZYNKIEWICZ, EDWARD	2,768,600	DESCALZI, DOUGLAS	2,799,775	DOW AGROSCIENCES LLC	2,857,970
DAS, ASIT KUMAR	2,900,185	DESELL, TRAVIS	2,892,538	DOW AGROSCIENCES LLC	2,883,565
DAS, RATUL KUMAR	2,945,507	DESHPANDE, SUDEEP	2,956,001	DOW GLOBAL	
DASSAULT SYSTEMES	2,795,855	DESJARDIEN, MATTHEW		TECHNOLOGIES LLC	2,675,183
DATEMA, HENDRIK	2,892,964	RAY	3,010,058	DOW GLOBAL	
DAVENEL, ARNAUD	3,047,131	DESTARAC, MATHIAS	2,866,576	TECHNOLOGIES LLC	2,853,794
DAVIES, EVAN LLOYD	3,001,787	DETNET SOUTH AFRICA		DOW GLOBAL	
DAVIS, JOHN	2,934,797	(PTY) LTD	3,000,236	TECHNOLOGIES LLC	2,861,113
DAVIS, JONATHAN H.	2,796,338	DETTMER, FRANZ-JOSEF	2,910,351	DOW GLOBAL	
DAVISON, ANDREW		DEUTSCHES ZENTRUM FUR		TECHNOLOGIES LLC	2,861,325
CHARLES	2,873,856	LUFT-UND RAUMFAHRT		DOW GLOBAL	
DAVISON, GEORGE	2,856,575	E.V.	2,829,821	TECHNOLOGIES LLC	2,887,048
DCNS	2,864,412	DHARMADHIKARI NITIN		DOW GLOBAL	
DE ASMUNDIS, FULVIO		BHALACHANDRA, NITIN	2,943,728	TECHNOLOGIES LLC	2,891,062
ANTONIO	2,836,719	DHAWAN, ISH KUMAR	2,815,522	DOWNEY, MICHAEL L.	2,900,933
DE BLOCK, RUDOLPH FRANK	2,942,295	DHILLON, BRAHAM K.	2,974,569	DOWNING, DAVID	2,891,251
DE BOER, WOLFGANG	2,944,094	DHINGRA, AMIT	2,898,286	DR. WILLMAR SCHWABE	
DE COULON, YVES	2,842,134	DI GIACOMO, SANDRO J.	3,033,652	GMBH & CO. KG	2,851,947
DE HAAN, ANDRE BANIER	2,979,587	DI PAOLANTONIO, MARIO	2,851,768	DRAGOVIC, ZDRAVKO	2,863,734
DE KEERSMAECKER, KIM	2,789,404	DI SANTE, GIUSEPPE	2,851,768	DREHER, CHRISTINA	2,984,213
DE LAPORTE, ANDRE	2,939,477	DIACHINA, JOHN WALTER	2,860,181	DRESSER-RAND COMPANY	2,879,871
DE RIJK, ANGELIQUE	2,858,768	DIALIGHT CORPORATION	2,957,763	DREW, JEFFREY	2,851,176
DE SELM, LIZBETH CELESTE	2,856,448	DIALIGHT CORPORATION	2,957,973	DSM IP ASSETS B.V.	2,784,108
DE SOUZA, GUILLAUME	2,751,248	DIAMANTI, STEVE	2,874,285	DSM IP ASSETS B.V.	2,858,768
DEAN, H. DAVID	2,892,893	DIAMOND, WILLIAM		DSOUZA, AVISH	2,807,985
DEB IP LIMITED	2,880,606	THOMAS	2,858,381	DUAN, YABING	2,985,520
DEBAUGH, THOMAS STUART	2,969,339	DIAS, LIBARDO O.	3,049,520	DUCHENE, HUGO	2,862,673
DEBIOTECH S.A.	2,835,174	DICKEY, LYNN F.	2,744,454	DUCOS, ROMAIN	3,025,262
DECARR, GRAIG E.	2,857,024	DICKINSON, PHILIP	2,724,755	DUFFES, FREDERIC	2,861,624
DECEUNINCK NORTH		DIDDEN, FRANCIS K.	2,911,663	DUGAL, CLIFFORD JOHN	
AMERICA, LLC	2,872,929	DIEHN, SCOTT	2,784,106	JOSEPH	2,858,381
DECEUNINCK NV	2,872,929	DIEHN, SCOTT	2,826,276	DUKATZ, CARL MATTHEW	2,997,970
DECK, FRANK	2,956,116	DIERBACH, LISA ANN	2,810,512	DUNCHUS, NEIL W.	2,861,113
DEEV, ALEXANDRE		DIETZ, MARTIN	2,955,095	DUPRAY VENTURES INC.	3,040,592
VLADIMIROVICH	2,838,475	DIGARD BROU DE CUISSART,		DURAN, CHRISTIAN SHANE	2,973,660
DEFELICE, CHRISTOPHER	2,811,782	SEBASTIEN	2,861,076	DURAND, CLAUDE	2,861,624
DEGALESAN, SUJATHA	2,859,907	DILLARD, WALTER S.	2,967,813	DURAND-REVILLE, THOMAS	2,866,467
DEGOTT, PIERRE	2,874,794	DINGEL, DOUGLAS A.	2,993,065	DURHAM, MICHAEL D.	2,793,326
DEL BIANCO, MASSIMO	2,991,443	DIOP, SEYDOU	2,850,136	DUSSAULT, DAEMIAN DAVID	2,866,467
DELAVAL HOLDING AB	2,880,922	DIRTT ENVIRONMENTAL		DUSSEAU, MICHAEL JAMES	2,958,278
DELAVAL HOLDING AB	2,880,990	SOLUTIONS, LTD.	2,817,255	DUSTERHOFT, RONALD	
DELEAUX, BENJAMIN	3,047,131	DISAIA, ANTHONY S.	2,856,287	GLEN	2,997,709

Index of Canadian Patents Issued March 24, 2020

DYKSTRA, WILLIAM C.	2,790,428	ENDRESS+HAUSER WETZER GMBH+CO. KG	2,991,443	EVONIK OPERATIONS GMBH	2,877,525
DYNAENERGETICS GMBH & CO. KG	2,821,506	ENEI, DONATELLA	2,831,926	EVONIK OPERATIONS GMBH	2,992,061
DZAH, ELI KOMLAN	2,831,926	ENEVO OY	2,974,552	EVONIK OPERATIONS GMBH	2,992,064
DZIEDZIC, JERZY	2,993,065	ENGEL, ANDREA	3,004,615	EVONIK OPERATIONS GMBH	3,004,615
E. I. DU PONT DE NEMOURS AND COMPANY	2,859,514	ENGLAND, LEONARD JOSEPH	2,993,697	EVSYUKOV, SERGEY	2,992,061
E.I. DUPONT DE NEMOURS AND COMPANY	2,784,106	ENOMOTO, MANABU	2,980,523	EVSYUKOV, SERGEY	2,992,064
EADS CONSTRUCCIONES AERONAUTICAS, S.A., SOCIEDAD UNIPERSONAL	2,807,984	ENTASIS THERAPEUTICS LIMITED	2,866,467	EWING, JOHN	2,796,247
EARLY WARNING SERVICES, LLC	2,787,921	ENTSFELLNER, CHRISTIAN	2,947,106	EXELIXIS, INC.	2,812,091
EASTMAN KODAK COMPANY	2,984,428	ENVIRONX SOLUTIONS, INC.	2,873,239	EXPONENTIAL TECHNOLOGIES, INC.	2,903,906
EASTON DIAMOND SPORTS, LLC	2,852,586	ENZO BIOCHEM, INC.	2,733,670	EXTANG CORPORATION	2,820,743
EASTWOOD, DARREN	3,065,866	EOM, SANG YONG	2,830,179	EXTERIOR WALL SYSTEMS LIMITED	2,989,670
EATON INTELLIGENT POWER LIMITED	2,857,024	EPIROC AKTIEBOLAG	2,871,299	EXXONMOBIL RESEARCH AND ENGINEERING COMPANY	2,896,371
EATON INTELLIGENT POWER LIMITED	2,968,744	EPITOMICS, INC.	2,901,238	EXXONMOBIL RESEARCH AND ENGINEERING COMPANY	2,902,864
EBAY INC.	2,881,716	EPONA LLC	2,724,537	EYENOVA, INC.	2,805,426
EBERHARDT, MARK	2,809,842	EQUINOR ENERGY AS	2,845,751	EYEBEAG	2,820,843
EBNOTHER, FABIEN	3,028,083	EQUISTAR CHEMICALS, LP	2,962,059	EYEVERIFY INC.	2,989,575
ECHORFID, LLC	2,817,257	ERALTI, DAVIDE	2,991,443	EZEADI, EBELE	2,926,876
ECKSTEIN, YONA	2,853,800	ERDOS, GEZA	2,967,017	F. HOFFMANN-LA ROCHE AG	2,859,940
ECOBLISS HOLDING B.V.	3,008,417	ERFANFAR, MOHSEN	2,804,033	F. HOFFMANN-LA ROCHE AG	2,886,162
ECOLAB USA INC.	2,757,688	ERGOTRON, INC.	2,826,701	F. HOFFMANN-LA ROCHE AG	2,926,287
ECOPOXY INC.	3,038,625	ERGUN, MUSTAFA	2,826,701	F. HOFFMANN-LA ROCHE AG	2,956,116
EDEN, GEORG	2,979,510	ERION, DONALD L.	2,922,418	FABRICIUS, HANS-AKE	2,926,888
EDERYD, STEFAN	2,853,870	ERKKILA, ARI	2,868,935	FACCHINELLO, JEROME	2,820,743
EDINGER, JAMES W.	2,795,518	ERLHOFER, PETER	2,828,030	FACTOR, STEPHEN A.	2,959,884
EDISON INDUSTRIAL INNOVATION, LLC	2,962,583	ERMERT, PHILIPP	2,867,494	FAES, STEVEN	2,999,444
EDISON WELDING INSTITUTE, INC.	3,018,949	ERWIED, JAMES BAXTER	2,960,051	FALKENBERG, PETER LOEVENSKJOLD	2,811,965
EDWARDS, JEFFREY DAVID	2,960,025	ESCO GROUP LLC	2,862,168	FALLAVOLLITA, PASCAL	2,693,740
EGOLF, BRYAN J.	2,983,183	ESENLIK, SEMIH	2,876,567	FALLER, CRAIG N.	2,974,924
EHLING, WOLFRAM	3,008,072	ESLICK, HERMAN	2,856,287	FALO, LOUIS D., JR.	2,967,017
EID, GEORGE	3,013,027	ESPADALER MAZO, JORDI	2,920,819	FANDIS S.P.A.	2,895,060
EISENHAWER, DAVID	2,799,518	ESSEGHIR, MOHAMED	2,861,113	FANO, ANDREW E.	2,997,984
EISNER, FRANK	2,870,190	ESSITY HYGIENE AND HEALTH AKTIEBOLAG	3,008,224	FANTIN, VALERIA	2,793,836
EIZEN, MICHA	2,969,219	ESSMAN, JOHN SHANNON	2,896,479	FANTUZZI, EMMANUEL	3,025,262
EL-HOIYDI, AMRE	2,788,389	ESTANCONA ERCILLA, JOSE ANTONIO	2,867,982	FARRELL, ERIK	2,903,906
ELBAZ, AVI	2,804,023	ETAT FRANCAIS REPRESENTA PAR LE DELEGUE GENERAL POUR L'ARMEMENT	2,884,335	FASSEL, ROBERT SCOTT	2,880,243
ELBAZ, AVI	2,804,252	ETGEN, KYLE T.	2,987,072	FAULKS, NATHAN R.	2,805,426
ELBI, OMER	3,010,820	ETH ZURICH	2,849,426	FAUST, RUDOLF	2,866,525
ELC MANAGEMENT LLC	2,999,722	ETHICON ENDO-SURGERY, INC.	2,974,924	FAVILLA, STEPHAN JOEL	2,924,782
ELECTROPHORETICS LIMITED	2,775,118	ETHICON, INC.	2,811,782	FEGAN, CHRISTOPHER	2,845,047
ELEKTRO-THERMIT GMBH & CO. KG	2,893,312	ETHICON, INC.	2,867,485	FEI, JIN	3,010,531
ELLIOTT, CHRISTOPHER	2,900,904	ETHOX CHEMICALS, LLC	2,869,303	FEIGENBLUM, JOSE	2,875,233
ELLIOTT, TROY	2,805,426	ETHYPHARM	2,800,426	FELDKAMPER, STEFAN	2,910,351
ELLIS, BRIAN	2,899,487	ETTALEB, LAHOUCINE	3,036,697	FELPEL, GLENN	2,930,716
ELMAN, DMITRY	3,012,142	EUROPEAN AERONAUTIC DEFENCE AND SPACE COMPANY EADS FRANCE	2,895,547	FENG, MARTIN W.	2,981,722
EMBERION OY	2,996,460	EVERTZ MICROSYSTEMS LTD.	2,987,772	FENNELL, MARTIN J.	2,840,640
EMERT, JACOB	2,866,525	EVINS, SAMUEL E.	2,975,925	FENOVATION LIMITED	2,827,693
EMERY OLEOCHEMICALS GMBH	2,968,265	EVOGENE LTD.	2,877,145	FENWICK-WILSON, ANTHONY	2,781,455
ENDERS, MICHAEL	2,912,945	EVOLUTION WELL SERVICES, LLC	3,012,331	FERGUSON, ANDREW M.	2,829,220
ENDOWORX PTY LTD	2,819,912	EVONIK OPERATIONS GMBH	2,828,030	FERGUSON, ROBERT H.	2,820,610
		EVONIK OPERATIONS GMBH	2,850,093	FERGUSON, WILLIAM MACDONALD	2,929,530
		EVONIK OPERATIONS GMBH	2,868,667	FERNALD, MARK R.	2,911,663
				FERNO-WASHINGTON, INC.	2,954,621
				FERRANDO, ADOLFO A.	2,789,404
				FERRARI, VICTOR	2,803,360
				FERRIS, JASON	2,936,444

**Index des brevets canadiens délivrés
24 mars 2020**

FETVEDT, JEREMY ERON	2,854,402	FRANKE, SANDRA	2,997,308	GAERTNER, ULF-TORSTEN	2,789,440
FFGF LIMITED	2,880,127	FRANKLIN FUELING		GAGNON-MARTIN, DAVID	2,805,184
FICHTINGER, GABOR	2,693,740	SYSTEMS, LLC	2,997,792	GAILLOT, MATHIEU	2,857,927
FIDLER, SANJA	3,043,621	FRAUNHOFER-		GALE, THOMAS K.	2,905,382
FIERSON, WALTER M.	2,805,426	GESELLSCHAFT ZUR		GALIANO, PAOLO	2,753,159
FIFE, ANDREW	2,763,678	FOERDERUNG DER		GALLAGHER, DONALD	3,018,702
FILIPPOVITCH, SERGEI	2,994,191	ANGEWANDTEN		GALLOP, CHARLES C.	2,984,208
FINCHAMP, TERESA M.	2,922,418	FORSCHUNG E.V.	2,955,095	GAMAUF, CHRISTIAN	2,863,734
FIOLKA, KYLE	2,903,906	FRAUNHOFER-		GAMBRO LUNDIA AB	2,829,141
FIRSTSTRING RESEARCH, INC.	2,866,115	GESELLSCHAFT ZUR		GANDHI, DEEPAK	2,864,046
FISHER & PAYKEL		FOERDERUNG DER		GANESAN, RAVI	2,787,921
HEALTHCARE LIMITED	2,724,755	ANGEWANDTEN		GANJA, ED	2,806,585
FISHER CONTROLS		FORSCHUNG E.V.	2,956,010	GAO, ALLAN HA	3,046,979
INTERNATIONAL LLC	2,806,775	FRAUNHOFER-		GAO, GUANGPING	2,939,103
FISHER, JOHN P.	2,892,893	GESELLSCHAFT ZUR		GAO, SHIWEI	2,904,023
FISHER, MARC L.	2,883,565	FORDERUNG DER		GAO, ZEREN	2,971,794
FISHER, SCOTT R.	2,987,072	ANGEWANDTEN		GARASSINO, ALAIN PIERRE	2,882,816
FITZHUGH, BRYAN	2,913,774	FORSCHUNG E.V.	2,910,201	GARCIA ALONSO, JAIME	2,807,984
FITZHUGH, NATHAN	2,913,774	FRAUNHOFER-		GARCIA, CESAR G.	2,911,551
FLACK, JULIEN CHARLES	2,812,117	GESELLSCHAFT ZUR		GARCIA-MARTINEZ, LEON F.	2,845,579
FLANDERS, DALE C.	2,869,750	FORDERUNG DER		GARDAZ, FRANCOIS	2,869,035
FLECK, GREG	3,003,657	ANGEWANDTEN		GARDNER, CHRISTOPHER	2,875,817
FLEET, KYLE R.	2,956,562	FORSCHUNG E.V.	2,974,624	GARDNER, WILLIAM P.	2,951,929
FLEXICON CORPORATION	3,019,688	FRAUNHOFER-		GARIEPY, CHRISTOPHER A.	2,832,164
FLIR SYSTEMS, INC.	2,949,105	GESELLSCHAFT ZUR		GARNIER, CHRISTOPHE	2,874,794
FLODER, JASON P.	2,892,938	FORDERUNG DER		GARNIER, ETHEL	2,993,465
FLOWERS, SEAN T.	3,018,949	ANGEWANDTEN		GARRISON, DANIEL	2,997,970
FLOWERVE MANAGEMENT		FORSCHUNG E.V.	2,997,308	GARRISON, DANIEL	2,997,984
COMPANY	2,934,797	FRAUNHOFER-		GARTZ, JEFFREY D.	3,032,393
FLOWERVE MANAGEMENT		GESELLSCHAFT ZUR		GARY, DIDIER	2,876,081
COMPANY	2,936,444	FORDERUNG DER		GASPARI, FRANCO	2,990,152
FLOWERVE MANAGEMENT		ANGEWANDTEN		GATTO, VINCENT, J.	2,992,312
COMPANY	2,983,772	FORSCHUNG E.V.	2,950,864	GATTUPALLI, RAJESWAR	2,983,183
FLYNN, ROBERT	2,764,537	FRESENIUS MEDICAL CARE		GAUTHIER, RENE	2,797,707
FOGWORKS LLC	2,976,657	HOLDINGS, INC.	2,950,864	GAWAD, SHADY	2,900,904
FOI, ALESSANDRO	2,949,105	FREW, SAMUEL	2,724,755	GAYET, ARNAUD JEAN	
FOLK, KYLE R.	2,820,103	FREY, ALICE	2,992,907	ALBERT	2,856,203
FONTAINE HOLDINGS NV	3,015,539	FREY, STEFFEN	2,934,502	GBS POSITIONER, LLC	2,856,575
FONTAINE, MIKE	2,805,184	FRIGO, MATTEO	2,944,361	GE AVIATION SYSTEMS LLC	2,958,278
FOREMAN, RUTH	2,683,056	FRIMLINE PRIVATE LIMITED	3,015,399	GE ENERGY POWER	
FORESEE		FRINGES, BODO	2,828,030	CONVERSION	
PHARMACEUTICALS CO.,		FRIPP, MICHAEL LINLEY	2,995,685	TECHNOLOGY LTD.	2,862,673
LTD.	2,964,475	FRIPP, MICHAEL LINLEY	3,006,181	GE GLOBAL SOURCING LLC	2,995,259
FORRESTER, LASCELLES	2,997,970	FRITZ, JEFF W.	2,814,296	GEELLEN, RENE	2,861,704
FORSBERG, CHRIS	2,903,713	FRITZ, WARD A.	2,886,259	GEELHART, THEODORE	
FORSBERG, MATS	2,880,922	FRYER, CHRISTOPHER JOHN	2,797,595	PAUL	2,806,775
FORSBERG, MATS	2,880,990	FU, CHAI-HUI	2,968,446	GEKHT, EUGENE	2,805,184
FORTIN, MARC-ANDRE	2,859,694	FUCHS, GUILLAUME	2,955,095	GELMAN, GEOFFREY M.	2,928,599
FOSKETT, JOHN	2,742,594	FUCHS, GUILLAUME	2,956,010	GENBERG, CARL	2,848,567
FOSSUM, KJELL	2,866,440	FUGLISTER, FABIAN		GENERAL ELECTRIC	
FOSTER, LISA A.	2,777,889	HERMANN URBAN	2,819,289	COMPANY	2,868,523
FOWLER, EDWARD A.	2,994,185	FUJIE, SHUNPEI	3,000,803	GENERAL ELECTRIC	
FOX, BRIAN A.	2,971,794	FUJIFILM CORPORATION	2,928,623	COMPANY	2,958,680
FOY, EDWARD CHRISTOPHER	2,799,518	FUJII, TERUYA	2,966,318	GENERAL MILLS, INC.	2,971,629
FPINNOVATIONS	2,981,722	FUKAMACHI, YASUO	2,846,368	GENG, BOLIN	2,866,467
FPINNOVATIONS	3,031,013	FURUKAWA, HIROYUKI	2,942,630	GENGERKE, SHAWN L.	2,804,443
FPINNOVATIONS	3,036,697	FURUUCHI, RYO	2,755,715	GENITYTE, INC.	2,795,259
FRANCIS, CHRIS DUDLEY	2,766,583	FUTATSUGI, TOMOHIKO	2,992,353	GENOVIS AB	2,848,230
FRANCISCO, MARK	2,716,911	GAAL, PETER	2,915,130	GENRICH, THAD JAY	2,939,868
FRANCKI, ALEKSANDER	2,795,518	GAAL, PETER	2,923,909	GENTHNER-RIEGLER,	
FRANCOTYP-POSTALIA		GABRIELOV, ALEXEI		MARKUS	2,926,287
GMBH	2,984,665	GRIGORIEVICH	2,806,585	GEOGHEGAN, SARAH	2,864,636
FRANK, DAVID	2,819,912	GABRIS, PETER	2,910,463	GEORGE, GERALD G.	2,967,813
		GABRIS, PETER	2,996,488	GEORGE, KACIE	2,909,332

Index of Canadian Patents Issued March 24, 2020

GEORGE, WAYNE N.	2,915,598	GOLLUT, JEAN-JACQUES		GREINER, DAN	2,874,181
GEORGETOWN UNIVERSITY	2,817,712	ROGER	2,856,203	GREINER, STEVEN P.	2,777,889
GEORGIA-PACIFIC		GOMEZ SERNA, GERMAN		GRELLA, JEFF	2,895,246
CORRUGATED IV LLC	2,871,026	RODRIGO	2,996,554	GRENIER, GARY C.	2,943,972
GEORGIA-PACIFIC GYPSUM		GOMEZ, PHILIPPE	2,835,359	GRENZEBACH	
LLC	2,887,389	GOMEZ-ESCALONILLA		MASCHINENBAU GMBH	3,017,637
GEOSPECTRUM		MARTIN, JAVIER	2,807,984	GRIESS, KENNETH H.	3,004,233
TECHNOLOGIES INC.	2,997,512	GONZALES, REBECCA A.	2,895,052	GRIFFITH, NATHAN C.	2,859,464
GEPRO SYSTEMS, S.L.	2,867,982	GONZALEZ, DICK S.	2,911,551	GRIFFITH, SCOTT, R.	2,799,775
GERBAULET, ARNAUD	2,829,510	GOOCH, MATTHEW WARREN	3,029,681	GRIFOLS THERAPEUTICS	
GEREN, WILLIAM P.	2,790,428	GOODMAN, GREGORY JON	2,922,418	INC.	2,780,542
GERHART, PAUL	2,899,042	GOOGLE LLC	2,771,094	GRIFOLS, S.A.	2,928,845
GERMAIN, NORMAND	2,840,494	GOOGLE LLC	2,848,638	GRILL, BERNHARD	2,955,095
GERMENOT, OLIVIER	2,847,754	GOOGLE LLC	2,856,554	GRIMADELL, LOUISE	2,880,606
GESERICH, FRANK	2,984,665	GOOGLE LLC	2,886,662	GRIMME	
GESSLER, BRIAN S.	2,956,562	GOPALAKRISHNAN, RAVI	2,881,716	LANDMASCHINENFABRI	
GESTER, MATTHIAS	2,989,871	GOR, TESHAM	2,853,800	K GMBH & CO. KG	2,910,351
GEYSERS, STEVEN		GOREN, ORI	3,017,156	GRINDE, SARAH L.	2,887,790
CHRISTIAN JOZEF	2,887,752	GORLICH, DIRK	2,934,502	GRITTMANN, ROLF	3,011,052
GHATIKAR, VENUGOPAL	2,927,992	GORMAN, WILMA	2,871,633	GROHMAN, WOJCIECH	3,028,285
GHATNEKAR, GAUTAM	2,866,115	GORMLEY, TIMOTHY KENT	2,800,049	GRONER, DAVID M.	2,777,951
GHENT UNIVERSITY	2,789,404	GORWA-GRAUSLUND,		GROSS, STEFAN	2,793,836
GHEORGHE, CRISTIAN	2,867,212	MARIE-FRANCOISE	2,744,426	GROVES, MICHAEL NELSON	2,921,741
GHIDESI, GIANCARLO	2,856,498	GOSALBES, JEAN-FRANCOIS	2,867,494	GRUNEWALD, SYLVIA	2,859,133
GHISALBERTI, CARLO	2,807,266	GOSKI, DANA G.	2,856,287	GRUNWALD, INGO	2,910,201
GHOSAL, RANJAN	2,853,211	GOSLING, GEOFF	2,817,255	GRUSZECKI, GARY	2,989,485
GHOSH-DASTIDAR, ABHIJIT	2,891,062	GOSNER, THOMAS H., JR.	2,798,249	GU, CHENGYUN	2,831,015
GIANNINO, VIVIANA	2,980,847	GOSS, BOB	2,838,668	GU, WEN	2,899,676
GIANSIRACUSA, MARIE	2,861,558	GOTO, KAZUYA	2,999,550	GU, XIANG	2,925,043
GIASOLLI, ROBERT	2,804,621	GOTO, TETSUYA	2,878,903	GU, YANG	2,899,676
GIGUERE, GHISLAIN	2,962,077	GOTTSTEIN, THOMAS	3,004,615	GU, YUAN XIANG	2,678,951
GILEAD SCIENCES, INC.	2,835,932	GOUJET, DAMIEN	2,998,653	GUAN, HUILI	2,897,795
GILEAD SCIENCES, INC.	2,866,381	GOULET, ROBERT JACQUE	2,912,854	GUANGDONG ARCHIE	
GILL, CATHERINE M.	2,895,052	GOVINDAN, PRAKASH	2,934,026	HARDWARE CO., LTD.	3,029,347
GILLEN, ROBERT J.	2,983,247	GPCP IP HOLDINGS LLC	2,783,066	GUANGZHOU SAGENE	
GILLIGAN, THOMAS BOYD	2,590,191	GRACE, ELLIOTT	2,838,668	BIOTECH CORP.	2,982,486
GIOVINE, GIANLUCA	2,851,768	GRADIANT CORPORATION	2,934,026	GUARINO, ANDREW J.	2,964,475
GIRGIS, MICHAEL J.	2,813,736	GRADLE, RICHARD J.	2,983,772	GUELLER, ROLF	2,967,078
GIRITCH, ANATOLI	2,807,544	GRAETZ, BENJAMIN R.	2,835,932	GUERFAL, MOUNA	2,887,752
GIROUX, MICHEL	2,840,494	GRAHAM PACKAGING PET		GUETTA, ZION	2,995,540
GIVE AND GO PREPARED		TECHNOLOGIES INC.	2,975,925	GUETTA, ZION	2,995,541
FOODS CORP.	2,870,083	GRAHAM, MICHAEL WAYNE	2,853,613	GUICHARD, ALEXANDRE	2,875,233
GLASER, KEVIN DAVID	2,717,544	GRAINDOURZE, MARC		GULBRANDSEN, MARK S.	2,777,959
GLASGOW, SHAWN J.	2,892,797	BERNARD	2,861,704	GULER, SATENIG	2,866,467
GLEBA, YURI	2,807,544	GRANDE, KNUT VEBJORN	2,860,634	GUNER, BARIS	2,893,747
GLEJBOL, KRISTIAN	2,875,623	GRANDPERRET, ERWIN	2,745,515	GUO, WEI	3,026,781
GLENN, KELLI	2,859,940	GRAPHIC PACKAGING		GUO, XUAN	2,744,454
GLOBETEK 2000 PTY LTD	2,893,425	INTERNATIONAL, LLC	3,001,016	GUPTA, ASHISH	3,004,427
GLOEGE, THOMAS	3,040,854	GRASCHA, PIERRE BRUNO	2,880,606	GUPTA, GAURAV	2,980,847
GLOMM, MATTHIAS	2,892,964	GRAVES, MICHAEL J.	3,004,233	GURJAR, RISHI	3,042,413
GLOWLINK		GRAVI FLOAT AS	2,862,727	GURLEY, JASON	2,999,444
COMMUNICATIONS		GRAY, BRENT	3,040,592	GUSEK, CHRISTOPHER	2,870,190
TECHNOLOGY, INC.	2,900,933	GRAY, PAUL J.	2,868,163	GUTIERREZ, ANDREA	2,833,204
GLUECK, REINHARD	2,980,847	GRAY, W. ALEXANDER, III	2,999,434	GUY, HANOCH	2,910,783
GLYKOS FINLAND OY	2,692,251	GRAYBAR, MICHAEL	2,907,215	GVBB HOLDINGS S.A.R.L.	2,719,670
GOEBEL, PAUL D.	2,865,274	GREANEY, ANDREW	3,018,702	GYNEA LABORATORIOS, S.L.	2,920,819
GOFF, DANE	2,806,341	GREEN, BRUCE ARTHUR	2,766,629	H.E.F.	2,883,570
GOLD, EVGENIA	2,877,145	GREEN, JEFFREY	2,819,634	HAAR, JOSEPH P., JR.	2,842,370
GOLD, STEVEN B.	2,863,163	GREEN, MATTHEW	2,907,658	HABERMAN, SETH	2,763,678
GOLDBERG, BRIAN	2,869,750	GREENE, LESLIE ANN	2,755,784	HABICHER, TILO	2,756,514
GOLDBERG, GARY	2,839,000	GREENE, TWEED		HACKER, JENS	2,851,556
GOLDBERG, MICHAEL	2,864,411	TECHNOLOGIES, INC.	2,863,408	HAEFNER, STEFAN	2,756,514
GOLDBERG, STEVEN	2,864,411	GREENING, ANDREW	2,882,707	HAGEMEI, OLAF	2,900,880
GOLDIN, EHUD	2,820,362	GREGERSON, GLEN O.	3,033,535	HAGIYA, KEITA	2,928,623

Index des brevets canadiens délivrés

24 mars 2020

HAHN, RAINER	2,921,883	HARTMAN, SCOTT JAMES		HERMAN, DAVID L.	2,854,638
HAHN, SIMONE	2,807,544	SIEBERT	2,793,251	HEROULT, MELANIE	2,859,133
HAHN-HAEGERDAL, BAERBEL	2,744,426	HARTMANN, MONIKA	2,984,393	HERRERA, WILMER	2,817,879
HAIDER, SIDNEY	2,920,190	HARTWELL, EDWARD		HERRINGTON, DOUGLAS J.	2,777,959
HAINES, JOSEPH	2,950,918	YERBURY	2,797,595	HERSHBERGER, DAVID	2,880,488
HAKANSSON, OLA	3,016,499	HARVEY, ERIC	2,962,077	HERWIG, NATHANIEL	
HAKSAR, PRIYANKA		HASEK, BRADLEY	2,837,596	CHRISTOPHER	2,971,061
BANSILAL	2,877,525	HASEKER, THOMAS	2,892,964	HESS, JOE ELI	2,958,048
HALDOR TOPSOE A/S	2,899,149	HASELBACHER, HANS D.	2,857,024	HETERO RESEARCH	
HALFMAN, ERIC	3,005,645	HASHIHAYATA, TAKASHI	2,875,080	FOUNDATION	2,833,115
HALL, JAMES TIMOTHY	2,798,808	HASHIMOTO, MITSUO	2,864,393	HEWLETT, THOMAS E.	2,950,287
HALLIBURTON ENERGY		HATHERLY, PETER JAMES	2,787,851	HEWLETT-PACKARD	
SERVICES, INC.	2,893,747	HAUER, LARS-CHRISTIAN	2,829,821	DEVELOPMENT	
HALLIBURTON ENERGY		HAUGAN, MARIANNE	2,860,634	COMPANY, L.P.	2,961,946
SERVICES, INC.	2,947,143	HAUGER, BRYAN	2,848,045	HEYNEN, IWAN	3,008,417
HALLIBURTON ENERGY		HAUGLAND, ALEX	2,944,361	HF HOLDING SA	2,857,261
SERVICES, INC.	2,951,020	HAUSTEIN, THOMAS	2,974,624	HIBBARD, EDWARD	2,955,218
HALLIBURTON ENERGY		HAWORTH, INC.	2,956,562	HIGGINS, BRIAN	2,859,940
SERVICES, INC.	2,958,048	HAXTON, CAMERON JON	2,724,755	HIGGINS, JIM	2,892,538
HALLIBURTON ENERGY		HAYAKAWA, YASUYUKI	2,974,618	HIGUCHI, TATSUYA	3,056,574
SERVICES, INC.	2,966,784	HAYASHI, FUMITAKA	2,881,788	HILL, BETH	2,792,517
HALLIBURTON ENERGY		HAYASHI, KOUTAROU	2,933,435	HILL, RONALD STEWART	2,860,227
SERVICES, INC.	2,966,860	HAYASHIBARA CO., LTD.	2,849,747	HILLER, REINHOLD	3,011,052
HALLIBURTON ENERGY		HAYES, ERIC PARIS	3,029,681	HILLSHAFFER, DOUGLAS KIP	2,832,164
SERVICES, INC.	2,981,799	HAYNES INTERNATIONAL, INC.	2,808,870	HINES, JOHN D.	2,880,606
HALLIBURTON ENERGY		HE, GUANGBO	2,981,722	HINZE, ULF	2,989,871
SERVICES, INC.	2,995,685	HEADWATER RESEARCH LLC	2,819,634	HIPPE, MARCUS	2,902,025
HALLIBURTON ENERGY		HEALY, TODD ALLAN	2,978,456	HIRAMATSU, MACHIKO	3,033,164
SERVICES, INC.	2,995,946	HEATH, DOUGLAS J.	2,939,868	HIRANO, MIKIO	2,990,342
HALLIBURTON ENERGY		HEAU, CHRISTOPHE	2,883,570	HIRANO, NORIYUKI	2,859,630
SERVICES, INC.	2,997,709	HEBBORN, KEVIN A.	2,957,973	HIRATA, KEI	2,869,390
HALLIBURTON ENERGY		HEBRANK, JOHN H.	2,805,426	HIRATA, KEI	2,869,393
SERVICES, INC.	3,006,181	HEBRANK, JOHN HILBERT	2,989,176	HIRAYAMA, MASAO	2,755,715
HALLIBURTON ENERGY		HECHT, GIL	2,910,785	HIRSCH, ANTONIN	2,808,511
SERVICES, INC.	3,018,711	HEDGES, JAMES H.	2,897,795	HISPANO SUIZA	2,882,816
HALLINAN, NOEL	2,939,918	HEDSTROEM, PETER	3,001,663	HISPANO-SUIZA	2,869,275
HALLMAN, DARREN	2,868,523	HEFLIN-KING, TRE' DORELL	2,937,560	HITOSHI, YASUMICHI	2,806,341
HALLMAN, JONAS	2,880,922	HEICKSEN, PETER	2,883,903	HJELT, TUOMO	2,868,935
HALLMAN, JONAS	2,880,990	HEIDELBERGER		HJELT, TUOMO	2,871,555
HALTER, CEDRIC	2,874,209	DRUCKMASCHINEN AG	3,011,052	HJERTBERG, THOMAS	2,866,440
HAMAD, WADOOD YASSER	3,031,013	HEIMBERG, THORSTEN	2,944,371	HOBART BROTHERS	
HAMIL SELENA CO., LTD.	2,907,650	HEIN HOERNIG, RICARDO		COMPANY	2,937,560
HAMILTON MEDICAL AG	2,977,709	OLIVER	2,965,441	HOBART BROTHERS	
HAMILTON, MIKE	2,862,714	HEIN, HANS CHRISTIAN	2,965,441	COMPANY	2,937,562
HAMPDEN-SMITH, MARK	3,013,027	HEINRICHS, EUGENE C.	2,926,205	HOCH, MARTIN	2,870,795
HAMPSCH, JAMES M.	2,814,539	HEISER, ULRICH	2,789,440	HOCKRIDGE, GORDON R.	2,817,257
HAN, GUO LIANG	2,975,165	HEISKANEN, ISTO	2,871,555	HOEFFKEN, HANS	
HAN, JIAN	2,827,429	HEITMANN, MELISSA	2,826,973	WOLFGANG	2,756,514
HANDO, RIE	2,928,623	HELIN, JARI	2,692,251	HOFER, ETHAN	3,052,008
HANKKIJA-MAATALOUS OY	2,692,251	HEMMINGSSEN, PAL VIGGO	2,845,751	HOFFMAN, ALEX L.	2,955,383
HANNA, JACOB	2,683,056	HENDRICKS, KRISTIN B.	2,901,238	HOFFMAN, STEVEN	2,927,979
HANNAOUI, MOHAMAD	2,776,656	HENDRICKSON, JOSHUA		HOFFMANN, PETER	2,821,390
HANTUSCH, JAN	2,893,312	SAMUEL	2,944,361	HOFTE, PAULUS ANTONIUS	
HARA, MICHIKAZU	2,881,788	HENKEL AG & CO. KGAA	2,929,503	AUGUSTINUS	3,001,182
HARBOUR, THEODOR CHAD	2,929,888	HENRIKSON, ERIK M.	2,911,838	HOGERS, RENE CORNELIS	
HARDING, WESTON F.	2,927,992	HER MAJESTY THE QUEEN IN		JOSEPHUS	2,840,929
HARIRI, ROBERT J.	2,795,518	RIGHT OF CANADA, AS		HOJSGAARD, SOREN	
HARL-BELLA HOLDINGS, LLC	3,002,463	REPRESENTED BY THE		JOHANNES	2,827,022
HARMON, PAUL A.	2,795,550	MINISTOF NATIONAL		HOLBROOK, RUSS	2,999,434
HARRIS, JEFFERY R.	2,871,893	DEFENCE	2,921,741	HOLDIP LIMITED	2,747,294
HART, COLIN W.	2,909,722	HERBIN, STANLEY B.	2,750,752	HOLEN, STEPHEN NILS	2,958,278
HARTLEY, TOBY JAMES	2,986,934	HERBONIS AG	2,775,246	HOLLAND COLOURS N.V.	2,845,298
		HERBRECHTSMEIER, PETER	2,820,843	HOLLAND, THERESA A.	2,883,903
				HOLLENBECK, COREY	2,997,970

**Index of Canadian Patents Issued
March 24, 2020**

HOLLEY, JOHN MURDICK, JR.	3,001,016	HUNTSMAN		INDORAMA VENTURES	
HOLLINS, JAMIE LEE	3,010,820	INTERNATIONAL LLC	2,874,285	OXIDES AUSTRALIA PTY	
HOLLINS, JONATHON GALE	3,010,820	HURCO COMPANIES, INC.	2,868,163	LIMITED	2,861,558
HOLLISTER, JAMES	2,847,360	HURENKAMP, JOHANNES		INDUSTRIALESUD S.P.A.	2,851,768
HOLLOWKA, ERIC P.	2,859,514	HENRICUS	2,845,298	INDUSTRY-UNIVERSITY	
HOLSTEIN, MELISSA	2,938,544	HURST, NELSON E., III	2,993,065	COOPERATION	
HOLTZ, ALEX	2,719,670	HUSAIN, HIDAYAT	2,942,941	FOUNDATION HANYANG	
HOLVOET, SERVAAS	2,874,285	HUYNH, HOAN	2,866,467	UNIVERSITY ERICA	
HOMEWAY, LLC	2,812,117	HWANG, SE-HO	2,867,583	CAUS	2,997,394
HONDA MOTOR CO., LTD.	2,960,673	HWANG, SUNG-OH	2,852,204	INFINEUM INTERNATIONAL	
HONEYCUTT, ROBERT W.	2,864,813	HY-INDUSTRIE INC.	2,941,128	LIMITED	2,866,525
HONEYWELL ASCA INC.	2,867,212	HYDRA WELL		INGENICO GROUP	2,876,081
HONEYWELL		INTERVENTION AS	2,897,615	INI CORPORATION	2,931,492
INTERNATIONAL INC.	2,789,621	HYDRO DYNAMICS, INC.	2,981,287	INNOVA PATENT GMBH	3,012,400
HONEYWELL		HYDROIONIC		INNOVATIVE STERILIZATION	
INTERNATIONAL INC.	2,885,905	TECHNOLOGIES CO. LTD.	2,745,089	TECHNOLOGIES, LLC	2,959,002
HONEYWELL		HYPERFINE RESEARCH, INC.	2,960,178	INNOVECO AUSTRALIA PTY.	
INTERNATIONAL INC.	2,886,541	HYPERION MATERIALS &		LTD.	2,965,441
HONEYWELL		TECHNOLOGIES		INOUE, RYUTA	2,839,471
INTERNATIONAL INC.	2,899,042	(SWEDEN) AB	2,853,870	INOUE, YASUNORI	2,881,788
HONEYWELL LIMITED	2,910,426	HYPERION MATERIALS &		INPRESS TECHNOLOGIES	
HONMA, MASATO	2,859,630	TECHNOLOGIES		INC.	3,023,717
HORI, KOUTAROU	2,851,465	(SWEDEN) AB	2,864,636	INRA	2,815,109
HORI, MITSUHIKO	2,801,385	HYUNDAI MOTOR COMPANY	2,886,817	INSTITUT NATIONAL DE LA	
HORIE, MASAYUKI	2,967,914	HZPC HOLLAND B.V.	3,007,859	RECHERCHE	
HORIKOSHI, RYO	2,864,993	IANCHULEV, TSONTCHO	2,805,426	SCIENTIFIQUE	2,945,507
HORN, GUNTHER	2,967,539	ICM, INC.	2,984,208	INTACT VASCULAR, INC.	2,804,621
HORPHAG RESEARCH (IP)		ICRON TECHNOLOGIES		INTEGRATED MEDICAL	
PRE LTD	2,803,360	CORPORATION	2,880,979	SYSTEMS	
HOSONO, HIDEO	2,881,788	ICS ICE CLEANING SYSTEMS		INTERNATIONAL, INC.	2,954,507
HOU, YANAN	3,001,787	S.R.O.	2,910,463	INTERDIGITAL PATENT	
HOUSER, KEVIN L.	2,974,924	ICS ICE CLEANING SYSTEMS		HOLDINGS, INC.	2,886,634
HOWARD, PHILIP WILSON	2,926,876	S.R.O.	2,996,488	INTERMATIC	
HOWLES, ROBERT M.	2,974,569	IFCO SYSTEMS GMBH	2,973,922	INCORPORATED	3,018,702
HOWLEY, PAUL MICHAEL	2,906,735	IGT	2,844,653	INTERNATIONAL BUSINESS	
HOY, JONATHAN W.	2,989,670	IGUARDFIRE LTD.	2,929,530	MACHINES	
HOYT, TIMOTHY L.	2,856,287	IHARA, JUNICHIRO	3,056,574	CORPORATION	2,874,181
HSIEH, WEN-HSU	2,976,733	IHI CORPORATION	2,942,630	INTRAGRAIN	
HTG MOLECULAR		IHI CORPORATION	2,971,026	TECHNOLOGIES INC.	2,820,103
DIAGNOSTICS, INC.	2,850,329	ILLINOIS TOOL WORKS INC.	2,951,929	INTRIENERGY CANADA	
HU, HAO	2,959,455	ILLINOIS TOOL WORKS INC.	2,952,495	LABS INC.	2,990,152
HU, XIUHUA	2,831,015	ILLINOIS TOOL WORKS INC.	2,958,396	INTUIT INC.	2,898,286
HUANG, CHIEN-LAN	3,012,493	ILLINOIS TOOL WORKS INC.	2,959,890	IOVINE, GIUSEPPE	2,810,728
HUANG, CHIN-TIEN	3,012,493	ILLNOIS TOOL WORKS INC.	2,891,438	IOVINE, GIUSEPPE	2,810,765
HUANG, ZHENHUA	2,973,746	ILLUMINA, INC.	2,915,598	IRDETO B.V.	2,678,951
HUAWEI TECHNOLOGIES		IMA, ALAN TOYONOBU	2,916,731	IREPERTOIRE, INC.	2,827,429
CO., LTD.	2,959,455	IMALOG INC.	3,039,076	IRIE, HIROKI	2,997,051
HUAWEI TECHNOLOGIES		IMAMURA, NORITOSHI	2,844,445	ISAAC, WALTER	2,863,595
CO., LTD.	2,974,624	IMAX THEATRES		ISAACS, KAREN M.	2,974,924
HUAWEI TECHNOLOGIES		INTERNATIONAL		ISCAR LTD.	2,910,783
CO., LTD.	2,983,746	LIMITED	2,901,780	ISCAR LTD.	2,910,785
HUBBELL INCORPORATED	2,850,136	IMENDOERFFER, MORITZ	2,921,883	ISE, HIROYOSHI	2,809,842
HUBER, MARTIN	2,984,393	IMES, KEVIN	2,847,360	ISHAM, STEPHEN	2,880,488
HUBSCH, WALTER	2,859,133	IMIG, GREGORY ALAN	2,937,947	ISHIDA, TAKAYUKI	2,999,550
HUCK, BAYARD R.	2,856,448	IMMONEN, KIRSI	2,868,935	ISHIDA, YUKO	2,880,000
HUELSMAN, KYLE JAMES	2,929,888	IMMUNOGEN, INC.	2,831,467	ITABASHI, NAO	2,846,368
HUGOU, OLIVIER	3,003,320	IMPACT TECHNOLOGY		ITO, KEITH	2,856,554
HUIZINGH, JOHN	2,973,922	SYSTEMS AS	2,763,602	ITO, MASAKI	3,051,654
HULSE, RYAN	2,886,541	IMPACT THERAPEUTICS, INC.	2,831,015	ITO, TOMOYUKI	2,983,573
HUMPHREY, ALEX	3,065,866	IMPERIAL OIL RESOURCES		ITOU, KEN	2,839,471
HUNDAL, SUKHDEEP SINGH	2,880,979	LIMITED	2,837,475	ITREC B.V.	2,866,346
HUNT, CHRISTOPHER A.	2,987,072	IMRAN, MIR	2,840,617	ITURRIA AVALOS, DARIO	2,997,008
HUNT, ROLFE	2,838,668	INAN, MEHMET	2,845,579	ITURRIA MACAZAGA,	
HUNTER, CHARLES ERIC	2,805,426			GUILLERMO	2,997,008

**Index des brevets canadiens délivrés
24 mars 2020**

IVARSSON, MATTIAS	2,849,426	JIANGNAN ENVIRONMENTAL		KANG, SISHUN	2,831,015
IWAKI, YOSHIHIDE	2,928,623	PROTECTION GROUP		KANTOLA, JAMES C.	2,991,035
IWAMOTO, SHINYA	2,989,148	INC.	3,021,859	KANUGA, CHINMAY	2,869,765
IWASA, KEN	2,695,709	JIN, RICHARD	2,733,670	KAPA BIOSYSTEMS, INC.	2,742,594
IZAWA, SEISUKE	2,849,747	JIN, SHENGFANG	2,793,836	KAPITZA, JAN	2,967,539
JABLONSKY, DAVID S.	3,003,657	JIN, TAO	2,979,906	KAPLUNOVSKY,	
JACAK, COREY S.	3,026,121	JINDRA, FRED	2,870,190	ALEKSANDR	2,795,518
JACKSON, AUSTIN THOMAS	2,858,381	JOHANSSON, INGEMAR	2,941,902	KAPSCH TRAFFICCOM AG	2,819,322
JACKSON, DEREK	2,861,824	JOHNSEN, ANDREW	2,977,781	KAPSCH TRAFFICCOM AG	2,836,955
JACKSON, RICKY L.	2,738,247	JOHNSON, ASHLEY	2,819,318	KAPSCH TRAFFICCOM AG	2,837,314
JACOB, CHRISTOPHE	2,999,722	JOHNSON, BARTLEY C.	2,869,750	KAR, AMLAN	3,043,621
JACOBI, CHRISTIAN	2,874,181	JOHNSON, BRADLEY G.	2,805,426	KARASEK, BRYAN	2,907,323
JACOBS, MOISES	2,880,155	JOHNSON, HAROLD JOSEPH	2,678,951	KARBING, DAN STIEPER	2,818,963
JACOBS, STEVEN	2,752,211	JOHNSON, JOHN R.	2,880,033	KARCHI, HAGAI	2,877,145
JACQUES, GUILLAUME	2,953,769	JOHNSON, LUCAS CHARLES	2,959,890	KARIMAGHALOO, ZAHRA	2,693,740
JAENISCH, RUDOLF	2,683,056	JOHNSON, MICHAEL RALPH		KARRA, SRINIVASA R.	2,856,448
JAFFEE, DAN	2,838,668	BURGESS	2,986,934	KARSTEN MANUFACTURING	
JAGER, UTE	2,555,185	JOHNSON, MICHAEL ROSS	2,838,529	CORPORATION	2,911,838
JAGTAP, PRASAD D.	2,993,065	JOHNSON, ROBERT	2,789,621	KASGRO RAIL CORP.	2,903,513
JAMES, ADRIAN BENTON	3,001,182	JOHNSON, THERESA L.	2,856,448	KATKOVNIK, VLADIMIR	2,949,105
JAMES, KENNETH	2,737,624	JOHNSON, TODD JOSEPH	2,842,550	KATO, KEN	2,880,000
JAMIOLKOWSKI, DENNIS D.	2,811,782	JOLIE, JOSEPH L.	2,827,693	KATZ, AMIR	3,017,156
JAN, HSUN-JIN	2,968,446	JONES, AUGUST S.L.	2,868,993	KAUJALGIKAR, SAURABH	2,887,048
JANAK, KEVIN	2,849,344	JONES, BRADLEY R.	2,842,370	KAUJALGIKAR, SAURABH	2,891,062
JANG, HWASEON	3,033,164	JONES, CARSON ALLAN	2,864,813	KAWAI, YUICHI	2,997,051
JANG, SEONG HYUNG	2,867,583	JONES, DARELL DARWIN	3,010,058	KAWANISHI, SHOZO	2,811,037
JANKOVIC, VLADIMIR	2,795,518	JONES, KEVIN	2,838,668	KBA-NOTASYS SA	3,050,613
JANNER, CHRISTIAN	2,837,314	JONES, MARK D.	2,853,794	KE, ZHIJIE	3,029,347
JANNI, JAMES	2,852,003	JONES, MARK-ERIC	2,900,904	KEARNEY, PATRICK	2,812,091
JANSEN, KATHRIN UTE	2,766,629	JORISSEN, KOEN	2,843,776	KEENUM, JOHN AUSTIN	2,973,660
JANSSEN BIOTECH, INC.	2,752,211	JOSEPHSON, WILLIAM	2,889,387	KEKALAINEN, FREDRIK	2,974,552
JANSSEN BIOTECH, INC.	2,792,517	JOSHI, SHRADDHA SANJEEV	2,877,525	KELCH, GERHARD	3,031,672
JANSSEN, FRANK		JOY GLOBAL SURFACE		KELCH, GERHARD	3,040,854
HENDRIKUS PETER	2,856,359	MINING INC	2,797,153	KELLER, BRUNO	2,850,093
JAPAN EXPERT CLONE CORP.	2,878,903	JOZIAK, MARILOU		KELLERER, RICHARD	2,973,922
JAPAN HEALTH SCIENCES		(DECEASED)	2,912,368	KELLY, BRIAN M.	2,811,782
FOUNDATION	2,819,947	JT INTERNATIONAL SA	2,876,031	KELLY, CHRISTOPHER F.	2,767,182
JAPAN SCIENCE AND		JUAN, ALEJANDRO	2,903,906	KELLY, PATRICK W.	2,885,697
TECHNOLOGY AGENCY	2,881,788	JUDSON, JARED	2,830,225	KEMP, GARY	2,926,876
JAPANESE ORGANIZATION		JUGROOT, MANISH	2,921,741	KENNEDY, JACOB J.	2,971,794
FOR MEDICAL DEVICE		JUNG, FRANCOISE	2,848,584	KENNEDY, JOSHUA	2,817,260
DEVELOPMENT, INC.	2,956,064	JUNG, HORST-UWE	2,861,015	KENNEDY, RUSSELL	2,823,914
JARONCZYK, CEZARY CJ	2,946,923	JUNG, JURGEN	2,861,704	KENNEY, JOHN M.	2,861,325
JAYABALAN, RANJIT	2,977,781	JUNGBAUER, ALOIS	2,921,883	KENT, KENNETH M.	2,835,932
JDP ENGINEERING &		JURANITCH, JAMES C.	3,042,516	KEOWN, EUGENE	2,864,636
MACHINE INC.	2,821,506	KAASA, BAARD	2,845,751	KERCHER, TODD A.	2,956,562
JEFFRYES, BENJAMIN P.	2,819,318	KABUSHIKI KAISHA		KERN, MICHAEL J.	2,959,925
JELIAZKOV, PLAMEN		TOSHIBA	2,971,911	KERNKE, RUTH	2,850,093
JELIAZKOV	2,938,768	KACHLANY, SCOTT	2,917,056	KERNWEIN, JEFFREY D.	3,045,430
JELICH, DAMIAN, A.	2,817,552	KADAM, KIRAN L.	2,859,752	KERSTEN, ROY	2,980,972
JEMIELITY, JACEK	2,768,600	KADOWAKI, TAICHI	2,977,333	KESHAVARZ AKHLAGHI,	
JENKINS, KENNETH	2,957,763	KAINDL, BENJAMIN	2,947,106	MOHSEN	3,014,989
JENNEWEIN, FRANK	2,968,601	KAKIUCHI, DAIKI	2,942,630	KESTER, NORMAN L.	2,956,080
JENNINGS, BENJAMIN	2,896,287	KALAI, ILJYA	2,856,554	KETTLING, ULRICH	2,863,734
JENSEN, ROY INGE	2,897,615	KALVERAM, STEFAN	2,926,287	KEYGENE N.V.	2,840,929
JEONG, KIE YOUN	2,886,817	KAMAL, RITU RAJ	3,025,262	KEYSTONE RETAINING	
JERTSON, MARTY R.	2,911,838	KAMALAKAR REDDY, GOLI	2,833,115	WALL SYSTEMS LLC	2,936,858
JESS, ANDREW	2,895,564	KAMIMURA, NAOYA	2,846,368	KHACHATUROV, ARKADY	3,024,957
JFE STEEL CORPORATION	2,967,914	KAMP, STEFFEN	2,876,567	KHADGAPATHI, PODILI	2,833,115
JFE STEEL CORPORATION	2,974,618	KANBE, TOMOHIRO	2,990,342	KHALILI, KAVEH	2,783,376
JIA, HONGLING	2,982,486	KANBE, TOMOHIRO	2,990,346	KHIAT, ABDELAZIZ	2,982,546
JIA, MING	2,959,455	KANDA, TADAHIRO	2,819,947	KHLESTKIN, VADIM	
JIANG, TAIXIANG	2,890,400	KANDULA, RAMU	2,970,824	KAMIL'EVICH	2,861,854
JIANG, YANGZHEN	2,831,015	KANEKO, TOMOHIKO	2,909,850		

Index of Canadian Patents Issued March 24, 2020

KHMELEVSKAYA, IRINA YURIEVNA	2,893,425	KOCH, EGON	2,851,947	KUBIS, IVAN	2,910,463
KHORKOVA SHERMAN, OLGA	2,752,237	KODA, DAISUKE	2,869,390	KUBIS, IVAN	2,996,488
KHORKOVA SHERMAN, OLGA	2,755,404	KODIAK NETWORKS, INC.	2,970,824	KUDRINSKIY, ALEKSEY ALEKSANDROVICH	2,959,466
KIA MOTORS CORPORATION	2,886,817	KOEFOED-HANSEN, PER	2,827,022	KUFELD, SCOTT E.	2,895,052
KIEFFER, JANEL M.	2,757,688	KOELEN VAN DER, THOMAS	2,873,915	KUHN S.A.	2,874,209
KIENLE, STEFAN	2,775,118	KOERNER, RICHARD J.	2,724,641	KUHN, ANDREAS	2,768,600
KILAMBI, SRINIVAS	2,859,752	KOH, ZHIYAN	2,829,784	KUHN, KARSTEN	2,775,118
KILLINE OPTICAL LTD	2,869,035	KOHN, JOACHIM B.	2,863,203	KUHN, LARS	2,977,709
KIM, CHI HUN	2,886,817	KOLB, TOBIAS	2,984,393	KUIKEN, JERALD EDWARD	2,590,191
KIM, DO HYUN	2,886,817	KOLDE, HANS-JUERGEN	2,731,664	KUMAR, DILIP S.	2,777,959
KIM, DONG SUB	2,830,179	KOMATSU AMERICA CORP.	2,885,703	KUMAR, NITIN	2,977,781
KIM, HYO SEOK	2,886,817	KOMATSU LTD.	2,851,465	KUMAR, RAJEEV	2,866,525
KIM, JANG HOON	2,894,815	KOMATSU LTD.	2,878,098	KUMAR, RAVINDRA	2,770,822
KIM, JEENOK T.	2,896,371	KOMATSU LTD.	2,892,988	KUNDGEN, ROLF	3,011,052
KIM, JUNG JU	2,992,404	KONG, SHUAI	2,975,417	KURARAY CO., LTD.	2,869,390
KIM, JUNG-KYU	3,000,930	KONINKLIJKE DOUWE EGBERTS B.V.	2,810,512	KURARAY CO., LTD.	2,869,393
KIM, KUM-JA	3,003,254	KONITZER, DOUGLAS GERARD	2,958,680	KURAS, MONIKA	2,838,668
KIM, KUM-JA	3,003,256	KONTTILA, HANNU	2,886,933	KURIHARA, HIROYUKI	2,864,256
KIM, SUN KYOUNG	2,992,404	KOREA INSTITUTE OF GEOSCIENCE AND MINERAL RESOURCES (KIGAM)	2,867,583	KURIYAGAWA, KOJI	2,960,673
KIMPEL, RICK R., JR.	2,907,323	KOREA INSTITUTE OF GEOSCIENCE AND MINERAL RESOURCES	2,990,584	KURRAS, MARTIN	2,974,624
KIMURA KOHKI CO., LTD.	2,999,550	KORELL, NORMAN DAVID WILSON	2,766,440	KURSAWE, ANSGAR	2,984,027
KIMURA, KEIICHI	2,999,550	KOROTITSKIY, ANDREY VIKTOROVICH	2,893,425	KURSELIS, KESTUTIS	2,989,871
KIMURA, MAI	2,942,630	KOSKAN, PATRICK D.	2,947,011	KURTZ, ANDREW F.	2,901,780
KING, DANIEL WADE	2,998,384	KOSTER, RALF	2,861,015	KURZ, BRIAN E.	2,900,243
KINNUNEN, KARITA	2,868,935	KOTONEVA, JARI	2,817,675	KUTTEL, BEAT	2,899,487
KINNUNEN, KARITA	2,871,555	KOTZ, CHRISTIAN	2,837,314	KUZNIAK, THEODORE ROBERT	2,960,051
KINZL, MARKUS	2,984,027	KOUISNI, LAMFEDDAL	2,981,722	KUZNIAK, TODD ROBERT	2,960,051
KIRBY, ANDREW FRANCIS (DECEASED)	2,861,558	KOWAKESKI, ANTHONY J.	2,891,438	KWAK, JAE SUK	2,895,060
KIRBY, CHRISTOPHER F.	3,033,652	KOWALEWSKI, ALAIN	2,966,622	KWOK, SUI YI	2,849,448
KIRSH, ROSS	3,008,847	KOWALSKA, JOANNA	2,768,600	KYRLIDIS, AGATHAGELOS	3,013,027
KISER, PATRICK F.	2,842,550	KRAFT FOODS SCHWEIZ HOLDING GMBH	2,966,622	L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCES GEORGES CLAUDE	2,835,359
KISHIMOTO, JUNPEI	2,864,256	KRAMER, MICHAEL HENDRIK	2,960,051	LABAZZO, KRISTEN	2,795,518
KITANO, MASA AKI	2,881,788	KRANZLER, THANE L.	2,883,903	LABO JUVERSA CO., LTD.	2,795,995
KITAWAT, MUKESH	2,861,824	KRATOS INTEGRAL HOLDINGS, LLC	2,939,868	LABORATOIRES EXPANSCIENCE	2,843,082
KIYAN, ROMAN	2,989,871	KRAUSZ INDUSTRIES LTD.	2,818,461	LABORATOIRES EXPANSCIENCE	2,861,005
KJERSEM, GEIR LASSE	2,862,727	KRAUSZ, DANNY	2,818,461	LABORATOIRES URGO	2,839,760
KLATT, CHRISTIAN	2,870,190	KREFTA, RONALD J.	2,882,529	LACH, RAYMOND	2,883,083
KLAUS, JOHN	2,991,860	KRENZER, ULRICH	2,868,040	LACOMBE, YVES	2,759,535
KLEIN, GABRIEL	2,900,904	KRETH, BENJAMIN	3,011,052	LACTIGA, INC.	3,037,383
KLEIN, GUILLAUME	2,861,076	KRISHNAMURTHY, PUSHKALA	3,017,619	LADAS, CHRISTOPHER	2,899,042
KLEIN, MARCEL	2,993,479	KROGMAN, NICHOLAS	2,863,595	LAFITTE, VALERIE	2,868,279
KLERELID, INGVAR	2,907,802	KROMM, ERICH	2,756,514	LAFRAMBOISE, STEVE	3,027,716
KLIMOV, ALEKSEY IGOREVICH	2,959,466	KROON, JACOB	2,829,141	LAGASSE, PAUL	2,856,575
KLOCKMANN, OLIVER	2,868,667	KRUCKENBERG, CHRISTOPHER A.	2,788,798	LAGRANGE, TIMOTHY E.	3,032,393
KLOECKENER, DANIEL B.	2,924,657	KRUEGER, DAVID E.	2,934,319	LAHMAN, MATTHEW LEWIS	2,997,709
KLOOR, MATTHIAS	2,799,803	KRUTYAKOV, YURIY ANDREEVICH	2,959,466	LAI, FRANCIS C.K.	2,932,144
KLOPPNER, GERD	2,994,185	KUANG YU METAL WORKING CO., LTD.	2,976,733	LAI, LAWRENCE S. C.	2,932,144
KNETSCH, JORG	2,944,371			LAI, PAO-YEN	2,985,381
KNOBBE, JENS	2,899,534			LAJEUNESSE, ANNIE	2,850,653
KNOENER, CRAIG STEVEN	2,959,890			LALEG, MAKHLOUF	3,036,697
KNULL, CRAIG	2,790,523			LALOMIA, BRENT S.	2,880,488
KNUTH, MONIKA	2,820,843			LALPURIA, NITEN V.	2,895,515
KNUUTTILA, PEKKA	2,833,204			LAM, STEVEN	2,934,026
KO, IN KAP	2,845,516			LAMBERT, JOSEPH J.	2,854,638
KOBAYASHI, HIROSHI	3,064,525				
KOBAYASHI, TETSURO	2,990,342				
KOCH AGRONOMIC SERVICES, LLC	2,993,465				
KOCH, DALE	2,894,571				

**Index des brevets canadiens délivrés
24 mars 2020**

LAMBERTI, FRANCIS VINCENT	2,860,227	LEE, MOON-IL	2,886,634	LINDBLAD, SHAUN C.	2,826,701
LAN, HAICHUANG	2,940,634	LEE, MOOYOUNG	2,797,153	LINDE	
LAN, QIANG	3,017,619	LEGRAND, HARALD	2,775,118	AKTIENGESELLSCHAFT	2,968,601
LAN, RUOXI	2,856,448	LEGRAND, JACQUES	2,843,082	LINDHOLT, CLAUS	2,818,963
LANDAU, EITAN	3,017,156	LEGRAND, JACQUES	2,861,005	LINDNER, MICHAEL	2,908,173
LANDMARK GRAPHICS CORPORATION	2,926,205	LEHMONEN, JANI	2,868,935	LINDNER, THOMAS J.	2,805,426
LANDMARK GRAPHICS CORPORATION	2,956,570	LEMAIRE, ROMAIN	2,821,661	LINGELBACH, FRED	2,838,743
LANDMARK GRAPHICS CORPORATION	3,010,531	LEMAN MICRO DEVICES SA	2,900,904	LINGELBACH, JOHN	2,838,743
LANDROCK, CLINT	3,014,989	LEMERCIER, GUILLAUME	2,848,584	LIPOVSEK, DASA	2,796,338
LANGE, UTE	2,731,664	LEMOINE, CYRILLE	2,842,134	LISCH, GEORGE DAVID	2,855,150
LANGLEY, JOSEPH D.	2,886,259	LENA FOUNDATION	2,966,928	LISE, JONATHAN M.	3,033,535
LANGSTON, VERNON B.	2,883,565	LENGNER, CHRISTOPHER J.	2,683,056	LISSECK, LUTZ	3,017,985
LANIER, ELIZABETH M.	2,848,045	LENNOX INDUSTRIES INC.	2,911,729	LIU, BIN	2,699,394
LANIER, RONALD VANN, JR.	2,820,610	LENNOX INDUSTRIES INC.	3,028,285	LIU, CHAOWU	2,982,486
LANZATECH, INC.	3,046,979	LENS, MICHEL	2,857,261	LIU, CHUNJIAN	2,930,060
LAPAGE, PIERRE JEAN PAUL	2,766,440	LENTSCH, STEVEN E.	2,757,688	LIU, DAKAI	2,733,670
LARICCHIA, LUIGI	2,986,599	LENTZEN, HANS	2,832,376	LIU, JINRONG	2,973,746
LAROCHE, GAETAN	2,859,694	LEONARD, JEREMY	2,979,356	LIU, LIJUN	2,831,015
LARSEN, ARNE GUNNAR	2,897,615	LEONARDO S.P.A.	2,810,728	LIU, LINGJIA	2,811,495
LATHAM, JOHN	2,845,579	LEROUX, JEAN-CHRISTOPHE	2,849,426	LIU, QINGCHUN	2,870,795
LAU, CHING FUN	2,755,784	LESAGE, CLAUDE	2,867,607	LIU, XUEFENG	2,817,712
LAUBSCHER, THOMAS	2,977,709	LESAGE, CLAUDE	2,980,565	LIU, YI	2,925,043
LAUKKANEN, ANTTI	2,859,879	LESAGE, JEAN-CLAUDE	2,867,607	LIU, YINGLIN	2,996,460
LAUMOLA, HELI	2,817,675	LESCURE, JEAN-FRANCOIS	2,884,335	LIU, ZHIQIANG	2,896,569
LAUMOLA, HELI	2,833,204	LESKOWITZ, GARETT M.	2,863,080	LLAMAS CASTRO, NURIA	2,882,816
LAURAEUS, MARKO	2,859,879	LESSMANN, FRANK	2,984,213	LLOYD, WILLIAM H.	2,860,227
LAURENCE, DOUGLAS STEWART	2,911,269	LETOURNEAU, MATHIEU	2,859,694	LO, CHING-HSIUNG	
LAURENSOU, CHRISTELLE	2,839,760	LETURMY, MARC	2,835,359	FREDERICK	2,796,338
LAURMARK ENTERPRISES, INC.	2,792,587	LEUCKEFELD, MICHAEL	2,899,534	LO, WING SZE	2,755,784
LAVINE, JAMES	2,819,634	LEVEQUE, STEPHANE	2,847,754	LOACH, SCOT	2,815,050
LAW, ERIC	2,795,518	LEVIN, LENA	2,858,142	LOBELL, MARIO	2,859,133
LAYCOCK, JASON	2,903,713	LEVIN, OFEK	2,858,142	LOCATI, ALESSANDRO	3,008,224
LAZAR, STEVE	2,911,729	LEVIN, ORNA	2,891,862	LOCKWOOD, JAMES D.	2,880,788
LAZZERI, GIUSEPPE (DECEASED)	2,887,695	LEVRINO, ALEJANDRO	2,792,755	LOCKWOOD, WILLIAM D.	2,880,788
LAZZERI, HEIDI	2,887,695	LEVY, ARIE	2,858,142	LOFTIS, RICHARD J.	2,909,722
LAZZERI, PAOLO	2,887,695	LEXMARK INTERNATIONAL, INC.	3,033,279	LOISELET, BENOIT	2,835,359
LAZZERI, PATRIZIA	2,887,695	LEYKO, MATTHIEU	2,857,927	LONG, WILLIAM T.	2,934,319
LEADING EDGE INDUSTRIES, INC.	2,804,443	LI, BAIYONG	2,987,118	LONZA, LLC	2,849,344
LEATH, JAMES THORNHILL	2,805,426	LI, MEI	2,883,903	LOPEZ ROBAYO, BYRON RAUL	2,992,387
LEBIHAN, YANN	2,945,507	LI, SONG	2,979,906	LOPEZ, CAROL	2,991,035
LEBLANC, COLIN DENIS	2,764,537	LI, TIEJUN	2,853,613	LORDI, ANGELA	2,899,042
LECERF, JOEL	2,875,954	LI, TIEJUN	2,888,286	LOSADA DIAZ, MIGUEL ANGEL	2,920,819
LECROQ, HELEINE	2,854,789	LI, WEIMIN	2,975,417	LOTFI, SHAHRAM	3,012,142
LEDOUX, FRANCOIS	2,954,807	LI, XIANYAO	2,890,400	LOUVER-LITE LIMITED	2,882,707
LEDUC, JANET	2,750,034	LI, XIAOFENG	2,733,670	LOVENICH, CATHERINE	2,861,015
LEE, ANITA S.	2,902,864	LI, XINFANG	2,831,467	LOW, CHEE MENG	2,796,338
LEE, DONG MIN	2,992,404	LI, YUHUA	2,964,475	LOWE, RALF	2,848,584
LEE, DONG-HOON	2,907,650	LI, ZHENG	2,885,905	LU, ALBERT L.	2,784,106
LEE, HAK-JU	2,989,760	LIAN, LEI	2,979,906	LU, QIWEI	2,853,800
LEE, HORNG-MO	2,968,446	LIANG, JENN-TAI	2,897,795	LU, YIXIANG	2,853,613
LEE, HYUN SUK	2,990,584	LIANG, JESSICA	2,813,736	LU, ZHENGUO	2,975,417
LEE, JESSE C.	2,868,279	LIANG, PEIQUAN	3,029,347	LUBRIZOL ADVANCED MATERIALS, INC.	2,853,800
LEE, JOON GYU	2,830,179	LIAO, HONGWEI	2,995,259	LUCASSEN HANSEN, VIGGO	2,899,149
LEE, JOONG-KYU	2,919,693	LIDDIARD, WILLIAM	2,813,399	LUCK, JOHN A.	2,891,438
LEE, JUN KEUN	2,894,815	LIEFKE, MELANIE	3,004,615	LUMENIS LTD.	3,024,957
LEE, JUNG WOOK	2,886,817	LIFECCELL CORPORATION	2,837,196	LUNA, RAMON	2,974,569
		LIHME, ALLAN	2,816,190	LUNDELL, ROBERT JOHN	2,936,858
		LIM, PAUL G.	3,047,698	LUNDGREN, ANDERS	2,847,043
		LIN, ANSHYANG	2,960,381	LUNDH, ANDRES	2,880,922
		LIN, SHAO CHEN	2,975,165	LUNDH, ANDRES	2,880,990
		LIN, TSUN-YUAN	2,968,446	LUNZER, WALTER	2,992,907
		LINDBERG, JOHAN	2,871,299		
		LINDBERG, TEEMU	2,833,204		

**Index of Canadian Patents Issued
March 24, 2020**

LUO, JING	3,021,859	MANSFIELD, PERRY THOMAS	2,939,949	MATSUI, MAKOTO	2,878,903
LUO, TAO	2,915,130	MANTIONE, JOHN V.	2,886,994	MATSUISHI, SATORU	2,881,788
LUO, TAO	2,923,909	MANTLO, JOHN D.	2,957,928	MATSUMOTO, JUN	2,949,453
LUO, YI	2,849,126	MAPAL FABRIK FUR PRAZISIONSWERKZEUGE		MATSUMURA, MAKOTO	2,864,993
LUO, YONGYING	3,021,859	DR. KRESS KG	2,868,040	MATSUNOBU, TORU	2,826,423
LUSTIG, KLEMENS	2,859,133	MAPPES, TIMO	3,040,854	MATSUNOBU, TORU	2,850,066
LYONDELLBASELL ACETYLS, LLC	2,939,918	MARCEL DE POURCQ, KAREN JACQUELINE	2,887,752	MATSUO, SOICHIRO	3,000,803
MA, JIANGLEI	2,959,455	MARCHON EYEWEAR, INC.	2,842,739	MATSUOKA, ITSUMI	3,064,525
MAAX BATH INC.	2,969,339	MARCOS, JOSE	2,996,554	MATSUYAMA, HIROAKI	2,880,000
MACCORMACK, VINCENT J.	2,827,693	MAREL MEAT PROCESSING INC.	2,909,332	MATTHEWS, GARY R.	3,012,935
MACDONALD, PHILIP A.	2,989,670	MARISSSEN, JEROEN	2,845,298	MATTHEWS, MARTIN R.	2,939,281
MACDONALD, ROBERT	2,896,287	MARISSSEN, ROELOF	2,784,108	MAURIN-PERRIER, PHILIPPE	2,883,570
MACDONALD, ROBERT A.	2,936,858	MARKS, JAMES D.	2,699,394	MAVRAKIS, KONSTANTINOS JOHN	2,789,404
MACDONALD, ROBERT B.	2,989,670	MARMON UTILITY, LLC	2,943,972	MAW, JASON	2,790,523
MACK RIDES GMBH & CO. KG	2,928,335	MARQUARDT, TOBIAS	2,831,907	MAX-PLANCK- GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V.	2,934,502
MACKAY, BRUCE E.	3,013,027	MARQUIS, CLAUDE	2,797,707	MAX-PLANCK- GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V.	2,986,347
MACKO, RICHARD F.	2,989,421	MARS, INCORPORATED	2,853,290	MAXI-THERME INC.	2,883,083
MACMILLAN, ADAM	2,860,227	MARSH, CHARLES	2,799,775	MAYO, CHRISTINA	2,979,467
MACMULLEN, ZACH	2,959,890	MARSHALL EXCELSIOR COMPANY	2,955,383	MAZENOUX, MICHEL	2,814,160
MADDULA, KRISHNA	2,850,329	MARTIN, CHRISTOPHER S.	3,017,327	MAZZUCCO, ANTONIO	3,047,847
MAENDEL, JACK	3,038,625	MARTIN, DANIEL HARRY	2,858,381	MBAREK, TAOUFIK	2,851,556
MAGARA, KOICHIRO	2,864,393	MARTIN, DAVID	2,856,575	MCADAMS, TOM	3,052,008
MAGERS, COREY M.	2,724,641	MARTIN, HANS GORAN EVALD	2,856,353	MCAFFEE, ZACHARY JOHN	2,959,884
MAGG, HANS	2,851,395	MARTIN, JARED S.	3,017,327	MCALPINE, ROBERT WATSON	3,033,279
MAGNA EXTERIORS INC.	2,948,332	MARTIN, MICHAEL EMERSON	3,046,979	MCCABE, ANDREW D.	2,798,249
MAGNA INTERNATIONAL INC.	2,939,281	MARTINELL GISPERT- SAUCH, ENRIQUE	2,928,845	MCCABE, JOHN A.	2,814,296
MAGNA SEATING INC.	2,993,065	MARTURANO, LORELLA	3,047,847	MCCALLISTER, BENJAMIN	2,719,670
MAGPUL INDUSTRIES CORP.	2,987,591	MARUGAN, JUAN JOSE	2,820,362	MCCANN, MONICA THERESA	2,777,959
MAIER, LISA MARIA	2,830,225	MARUKAWA, HIRONOBU	2,949,453	MCCAULEY, JEFFREY A.	2,887,130
MAIKAWA, KENGO	3,025,472	MARUTANI, YUKITOSHI	2,833,466	MCCOY, BRIAN KELLY	2,865,173
MAIMIN, ISRAEL	2,792,587	MASINO, ALBERT P.	2,905,276	MCDIARMID, JAMES FRANCIS	2,862,714
MAIMIN, JULIAN	2,792,587	MASOERO, PAOLO	2,836,719	MCEWAN, PAUL	2,742,594
MAITI, SAMPA	2,945,507	MASQUELIER, DONALD A.	2,767,182	MCFEETORS, GREGORY	2,863,080
MAJ, KARL AAGE	2,811,965	MASS MODULAR SPINE SYSTEM	2,679,384	MCGEE, JOHN, D.	2,929,503
MAJMUDAR, JINMESH PRANAV	2,807,985	MASSE, GARY JOSEPH	2,960,051	MCGINTY, JOSEPH	2,999,444
MAKER, DIANA	2,968,265	MASSENGALE, ROGER	2,992,612	MCGOUGH, PAUL STEPHEN	2,787,092
MALARDIER-JUGROOT, CECILE	2,921,741	MASSON, HUBERT	2,795,855	MCGREGOR, JAMES EDWARD ALLAN	2,858,381
MALENOVSKY, VLADIMIR	2,821,577	MASTERCARD INTERNATIONAL INCORPORATED	2,978,456	MCGUIRE, HELEN MAUREEN	2,866,467
MALIC, LIDIJA	2,830,103	MASTERS, JAMES G.	2,896,569	MCHUGH, MICHAEL BENJAMIN	2,978,122
MALL, OMPRAKASH	2,807,985	MASTERS, ROBERT A.	2,857,970	MCILDOWIE, MATTHEW JAMES	2,960,025
MALLADI, DURGA PRASAD	2,923,909	MASTERS, ROBERT A.	2,883,565	MCKINNON, AUSTIN JASON	3,009,396
MALLINCKRODT HOSPITAL PRODUCTS IP LIMITED	2,991,860	MASTERS, RONALD ANTHONY	2,832,164	MCMAHON, TIMOTHY ARTHUR	2,806,775
MALMQVIST, PER-OLOF	2,907,802	MASTIC, TODD	2,891,251	MCMICHAEL, DONALD J.	2,859,464
MALOCHA, JASON	2,936,444	MATEO, SANDRINE	2,864,628	CMILLEN, JAMES C.	2,989,288
MAN, VICTOR F.	2,757,688	MATHENY, MITCH	3,018,949	MCNEIL, GARY L.	2,827,426
MANAHAN, JOSEPH MICHAEL	2,857,024	MATHEWSON, PAUL RICHARD	2,853,290	MCNEILL, PATRICIA DIANNE	2,845,579
MANAHAN, JOSEPH MICHAEL	2,968,744	MATHIESON, THOMAS R.	3,017,669	MCNELIS, LIAM	2,821,506
MANCOSKY, DOUGLAS G.	2,981,287	MATHIEU, DAVID	2,861,076	MCWANE, INC.	2,929,888
MANDAL, SUKUMAR	2,900,185	MATHUR, PRABODH	2,859,989	MCWEENEY, JOHN	2,995,281
MANDELLI, MARCO	2,879,375	MATSEN, MARC R.	2,790,428	MCWHIRTER, ERIC	2,837,466
MANE, VIRAJ	3,037,383	MATSUI, GEN	2,918,108	MECK, NACERA S.	2,808,870
MANGOLD, ELMAR	2,911,395				
MANGOLD, ELMAR	2,911,395				
MANHIRE, JEFFREY B.	2,948,332				
MANN, RICHARD K.	2,883,565				
MANNKIND, CORP	2,826,973				
MANSER, DANIEL ROLAND	2,865,851				

**Index des brevets canadiens délivrés
24 mars 2020**

MEDIMMUNE LIMITED	2,926,876	MICROMASS UK LIMITED	2,873,610	MOOSMAYER, DIETER	2,831,907
MEDIVANCE INCORPORATED	2,989,485	MID MOUNTAIN MATERIALS, INC.	2,878,424	MOR, AMIT	2,804,023
MEDIVATORS INC.	2,819,192	MIDDELSTADT, FALK	2,955,122	MOR, AMIT	2,804,252
MEDWAND SOLUTIONS, INC.	2,997,552	MIDSUN GROUP, INC.	2,813,190	MORADI-ARAGHI, AHMAD	2,897,795
MEGMILK SNOW BRAND CO., LTD.	2,880,000	MIELE & CIE. KG	2,829,406	MORALES, ERIC J.	2,911,838
MEHNERT, JOHN C.	2,951,929	MIERNIK, ARKADIUSZ	2,910,201	MORAND, MICHEL	2,844,259
MEHTA, HEMAL P.	2,679,384	MIERZWIAK, JAMES	2,891,251	MORAND, MICHEL	3,040,592
MEHTA, RIKIN	3,037,383	MIHALCEA, CHRISTOPHE DANIEL	3,046,979	MORGAN, ANDRE	2,912,368
MEI, GABRIELE	3,047,847	MIKI, HIDEYUKI	2,971,026	MORGAN, DAVID R.	2,941,719
MEIER, GERHARDUS	3,047,847	MIKOS, ANTONIOS G.	2,892,893	MORI, DAIGORO	3,006,650
MEIJI SEIKA PHARMA CO., LTD.	2,864,993	MIKULA, SHANE	2,871,026	MORI, SEIICHIRO	2,819,947
MEISSNER, ALEXANDER	2,683,056	MILBANK MANUFACTURING CO.	2,892,797	MORIOKA, SANAE	2,928,623
MEISSNER, ALEXANDER	2,851,556	MILFORD, BRIAN A.	2,777,951	MORITA, YOSHIKAZU	2,880,000
MEISSNER, RAFAEL	2,877,145	MILLER, ANDREW T.	2,856,554	MORITZHUBER, JOHANNES	3,012,400
MEISSNER, RUTH	2,823,999	MILLER, GARY, H.	2,817,552	MORONEY, PAUL	2,906,179
MELEMA PHARMA GMBH	2,832,376	MILLER, JEFFREY LAWRENCE	2,894,308	MORPHOSYS AG	2,555,185
MELESKI, JOHN J.	2,939,868	MILLER, MICHAEL	2,809,842	MORRIS, HUGH	2,799,693
MELIES, KASTEN	2,900,880	MILLER, MICHAEL R.	2,985,086	MORRISON, IAN	3,032,393
MELLOR, RONALD LEE, JR.	2,972,077	MILLER, ROBERT J.	2,790,428	MORRISON, JERRY	2,856,554
MELTZER, DONALD A.	2,853,800	MILLET, BARBARA	2,947,011	MORRISON, JOHN W.	2,788,798
MEMORIAL SLOAN- KETTERING CANCER CENTER	2,789,404	MILLSON CUSTOM SOLUTIONS INC.	2,916,731	MORROW, ROBERT DAREL	2,993,697
MENDOZA, J. NICHOLAS	2,810,512	MILLSON, RICHARD BLAIR	2,916,731	MORTON, JONATHAN G.	2,872,929
MENEZES, CLIVE D.	2,947,143	MILLWARD, KELLY ANN	2,969,457	MORTON, KEITH	2,830,103
MENG, ZHAOSHENG	2,975,417	MIMS, STEPHEN W.	3,047,698	MORTON, PHILIP G.	2,872,929
MENGEL, MATTHEW LEROY	2,717,544	MINAMINO, ATSUSHI	2,864,256	MORYE, SHANTARAM	2,887,048
MENZENSKI, KIMBERLY W.	3,033,535	MINISANDRAM, RAMESH S.	2,892,938	MOSHER, TIMOTHY S.	2,995,727
MERCER INTERNATIONAL INC.	2,979,488	MITCHELL, DANIELLE MARIE	2,845,579	MOSHOPOULOUS, JOHN	3,027,716
MERCER INTERNATIONAL INC.	2,979,496	MITCHELL, MARC A.	3,052,172	MOSLIN, RYAN M.	2,930,060
MERCHANT, STEPHEN	2,950,864	MITCHELL, TRACY S.	2,796,338	MOSTARDA, ETTORE	2,810,728
MERCIER, EGLANTINE	2,843,082	MITO, KAZUOMI	2,892,988	MOSTARDA, ETTORE	2,810,765
MERCK PATENT GMBH	2,856,448	MITOMI, MASAOKI	2,864,993	MOSTOLLER, MATTHEW EDWARD	2,958,212
MERCK PATENT GMBH	2,938,544	MITSUBISHI ELECTRIC CORPORATION	2,964,209	MOTABAR, OMID	2,820,362
MERCK SHARP & DOHME CORP.	2,795,550	MITSUBISHI ELECTRIC CORPORATION	3,051,656	MOTOROLA SOLUTIONS, INC.	2,947,011
MERETZKI, SHAI	2,646,384	MITSUBISHI SHINDOH CO., LTD.	3,033,840	MOTOROLA SOLUTIONS, INC.	2,995,727
MERKEL, DANIEL C.	2,789,621	MITSUI, HIROYUKI	2,980,523	MOTOYOSHI, KATSUYUKI	3,051,656
MERKEL, MICHAEL WILLIAM	2,853,290	MIURA, YUSUKE	2,931,667	MOTT, ERIC J.	2,892,893
MERKLEY, ALAN RAY	2,924,782	MIWA, TOSHIHIRO	2,967,914	MOUTAUX, ANTOINE	2,949,963
MERMAID CARE A/S	2,818,963	MIYADERA, KAZUTAKA	2,997,051	MSIKA, PHILIPPE	2,861,005
MERTZMAN, MICHAEL E.	2,930,060	MIYAKOSHI, NAOKI	2,875,080	MUGAN, JOHN	2,995,281
MESA, SEBASTIAN	2,996,554	MIZKAN HOLDINGS CO., LTD.	3,056,574	MUGNIER, FABIEN	2,948,212
MESHER, DAREL	2,893,017	MOADDEB, SHAHRAM	2,859,989	MULHERN, ERIC	2,821,506
MESNAGE, DIDIER	2,895,547	MODENA, TRISTAN	2,895,246	MULLER, ACHIM	2,820,843
MESSICK, HARRISON J.	2,866,481	MOHAPUTRA, SHIVAJIT	2,899,878	MULLER, ELMAR LENNOX	3,000,236
MESSNER, ERIC J.	2,882,048	MOLANDER, ANDERS	2,860,181	MULLER, HEINZ	2,968,265
MESTER, DANA, R.	2,817,552	MOLCHANOV, PAVLO	2,949,105	MULLER, JOHN A.	2,679,384
METRAS, INC.	2,983,573	MOLLER, BERNADETTE	2,821,390	MULLER, SVEN	2,828,030
METTLER-TOLEDO GMBH	2,689,490	MONDOR, CHAD HINDEN	2,896,371	MULLINGER, BERNHARD	2,984,393
MEYER, ULRICH	2,854,396	MONNAIE ROYALE CANADIENNE/ROYAL		MULTI-CHEM GROUP, LLC	3,017,619
MIAO, BOWMAN	2,796,338	CANADIAN MINT	2,890,400	MULTRUS, MARKUS	2,955,095
MIAO, CHUANWEI	3,031,013	MONTAG, SEAN D.	2,870,278	MULTRUS, MARKUS	2,956,010
MICHAELS, BRENT	3,002,825	MONTEIRO, DEEPAK STEVEN	3,017,619	MUNK, CLAYTON LYNN	3,010,058
MICHELIN RECHERCHE ET TECHNIQUE S.A.	2,890,365	MONTOJO, JUAN	2,923,909	MUNSHI, AMMAR A.	3,005,645
MICLAU-S.R.I. INC.	2,867,607	MONZYK, COURTNEY J.	2,876,816	MURAKAMI, YUTA	2,928,623
MICLAU-S.R.I. INC.	2,980,565	MOONEN, KRISTOF	2,861,145	MURATA MANUFACTURING CO., LTD.	2,844,445
MICHAULET, ALEXANDRE	2,986,347	MOORTHY, JAY	2,889,387	MURATA MANUFACTURING CO., LTD.	2,894,233
MICRO MOTION, INC.	2,917,634			MURDOCH, BRYAN JOHN	2,766,583
				MURDOCH, THOMAS	2,958,396
				MURISON, BRUCE DONALD	2,841,804
				MURPHY, BRIAN	2,995,281
				MURPHY, BRIAN R.	2,903,126
				MURPHY, ELLEN	2,766,629

Index of Canadian Patents Issued March 24, 2020

MURPHY, JOHN	2,831,907	NEJELSKI, MIKHAIL	2,962,077	NOMURA, MASAHIRO	2,864,993
MURRAY, SEAN A.	2,880,488	NELSON, CHRIS	2,814,296	NOONAN, FRANCIS M.	2,866,481
MURRAY, SETH MICHAEL	2,695,709	NELSON, ROBERT J.	3,013,435	NOOTER/ERIKSEN, INC.	2,924,657
MURUGESAN, ALLI	3,054,975	NELSON, RUSSELL	3,018,702	NORDENSTROM, HENRIK	2,853,870
MUSCH, WERNER	2,851,947	NELSON, WILLIAM S.	2,997,792	NORDIC AQUAFARMS AS	2,914,535
MUSCROFT, WILLIAM		NEOVASC MEDICAL LTD.	2,930,497	NORDSIEK, MICHAEL T.	2,840,571
SLOANE	2,913,774	NESS, ERIK D.	2,961,946	NORTEK AIR SOLUTIONS	
MUSHIKA, MOTOAKI	2,846,368	NESS, KEVIN D.	2,767,182	CANADA, INC.	2,962,537
MUSTANG SAMPLING, LLC	2,996,238	NEUFENFELDT, STEVEN K.	2,974,924	NORTHAM, PAUL R.	2,967,813
MUTCHLER, JOEL A.	2,895,052	NEUGEBAUER, PETER	2,850,093	NORTHERN ANTIBIOTICS OY	2,979,273
MYHRE, MORTEN	2,897,615	NEUROHR, MARK A.	2,974,924	NORTHROP GRUMMAN	
MYLAN INC.	2,958,087	NEUSINGER, MATTHIAS	2,955,095	SYSTEMS CORPORATION	3,033,652
MYONG, INHO	2,816,730	NEUSINGER, MATTHIAS	2,956,010	NOTHHARD, GARY E.	2,901,780
MYUNG, SE-HO	2,989,760	NEWLAND, ASHLEY MARTIN	2,867,345	NOUSIAINEN, JAAKKO	2,817,675
NABORS DRILLING		NEXTER SYSTEMS	2,847,754	NOUSIAINEN, JAAKKO	2,833,204
TECHNOLOGIES USA,		NGUYEN, NAM X.	2,926,205	NOVA CHEMICALS	
INC.	2,899,487	NGUYEN, PHILIP D.	2,997,709	CORPORATION	2,759,535
NABORS DRILLING		NGUYEN, THANH T.	2,895,052	NOVA CHEMICALS	
TECHNOLOGIES USA,		NGUYEN, TOMMY G.	2,766,341	CORPORATION	2,799,518
INC.	3,004,427	NICHIA CORPORATION	2,833,466	NOVA CHEMICALS	
NADA, MITSUHIRO	2,909,850	NICHOLS, ANDREW	2,837,596	CORPORATION	2,809,718
NADERSHAHI, AFSHIN	2,956,001	NICHOLS, GWEN	2,859,940	NOVAK, JAMES M.	2,997,792
NADON, GILLES	2,878,297	NICKERSON, HENRY ROBERT	2,777,959	NOVARTIS AG	2,813,736
NAEVE, STEPHEN WARD	2,879,871	NICOLINI, DEREK	2,797,595	NOVATEL INC.	2,876,131
NAGIBIN, GENNADIJ		NICQ, GEOFFROY MARIE		NOVELLI, PAOLO	2,767,021
EFIMOVICH	2,997,712	GERARD	2,893,248	NOVICK, SCOTT	2,803,952
NAGOGA, MIKHAIL	2,900,904	NIEDERMEIER, ANDREAS	2,956,010	NOVINDA CORPORATION	2,905,382
NAGORCKA, JAMES A.	2,832,180	NIELABA, LEONARD JOSEF		NOVOTNI, DOMINIK	2,977,709
NAIR, MRIDULA	2,984,428	ARNOLD	2,784,108	NOVOZYMES A/S	2,744,426
NAKAMURA, SATOSHI	2,864,993	NIELSEN, BENTE ELISE	2,827,022	NOWATZKI, TIMOTHY M.	2,784,106
NAKAMURA, SHINTARO	2,931,667	NIELSEN, JACOB BLACH	2,811,965	NOWELL, ANDREW JOHN	2,892,797
NAKANO, MASAKATSU	2,878,903	NIELSEN, MATTHEW		NUBEL, DOUGLAS STUART	2,784,106
NAKANO, SEIJI	2,964,209	CHRISTIAN	2,995,259	NUCO PATENTS INC.	2,850,653
NAKANO, TADASHI	2,931,667	NIELSEN, NIELS J. RISHOJ	2,875,623	NUKUI, KOSUKE	2,990,342
NAKAYA, HIROAKI	2,996,898	NIEMEIJER, GERRIT	2,763,678	NUOPPONEN, MARKUS	2,856,151
NAMDAR, NADER	2,836,955	NIEMELAE, RITVA	2,692,251	NYLANDER, PERRY	2,866,440
NAMS, JANIS	2,997,512	NIERLICH, FLORENT	2,949,963	O'CONNOR, KEVEN	3,005,645
NANALYSIS CORP.	2,863,080	NIESPOREK, CHRISTIAN	2,926,287	O'FLYNN, DENIS JOHN	2,798,808
NANIS, NIK	2,861,824	NIHON NOHYAKU CO., LTD.	3,000,803	O'NEIL, KARYN	2,752,211
NANJING AGRICULTURAL		NIKKEN LEASE KOGYO CO.,		OAKES, SHAWN A.	2,783,066
UNIVERSITY	2,985,520	LTD.	3,051,654	OBA, KENICHI	3,007,326
NANOTECH SECURITY CORP.	3,014,989	NIKOLAUS, KATHARINA	2,820,843	OBEROI, HARINDER	2,894,308
NANRA, JASDEEP SINGH	2,766,629	NIKONOROV, IGOR	2,895,515	OBRECHT, DANIEL	2,848,584
NARA, TAKAYUKI	2,880,000	NILSEN, TOM NILS	2,801,638	OBRECHT, DANIEL	2,867,494
NARAYANAN, SUNIL KUMAR	2,853,211	NIPPON STEEL		OBSHCHESTVO S	
NARROSCHE, MATTHIAS	2,876,567	CORPORATION	2,933,435	OGRANICHENNOY	
NASSIF, RABIH	2,859,989	NISHI, TAKAHIRO	2,826,423	OTVETSTVENNOST'YU	
NATIONAL OILWELL VARCO		NISHI, TAKAHIRO	2,850,066	"OBEDINENNAYA	
DENMARK I/S	2,875,623	NISHIBATA, TOSHINOBU	2,933,435	KOMPANIYA SAL	
NATIONAL RESEARCH		NISHIDA, TAKANORI	2,864,256	INZHENERNO-	
COUNCIL OF CANADA	2,830,103	NISHIMURA, TAKURO	3,007,326	TEKHNOLOGICHESKIY	
NAVARRO, NEWMAN AGUAS	2,817,879	NISSAN MOTOR CO., LTD.	2,982,546	TSENTR"	2,997,712
NAVRATIL, TOMAS	2,838,529	NISSAN MOTOR CO., LTD.	3,025,472	OBSHCHESTVO S	
NEAGU, CONSTANTIN	2,856,448	NISSAN MOTOR CO., LTD.	3,033,164	OGRANICHENNOY	
NEAS, EDWIN DEAN	2,590,191	NISSHIN STEEL CO., LTD.	2,931,667	OTVETSTVENNOSTYU	
NEC CORPORATION	2,909,242	NITTO DENKO		"NANOBIOTEKH"	2,959,466
NEEDHAM, RILEY B.	2,897,795	CORPORATION	2,801,385	OCHIAI, CHIKA	2,890,365
NEELIMA, TONGRA	3,015,399	NIWA, MASAHIRO	2,864,256	ODDEN, JON	2,903,513
NEENAH PAPER, INC.	2,850,088	NOHARA, TIMOTHY J.	2,803,332	ODI, TIMOTHY O.	2,895,052
NEFTEL, FREDERIC	2,835,174	NOISELESS IMAGING OY		OESTERLE, THOMAS	2,869,765
NEGALAGULI, HARISHA		LTD.	2,949,105	OESTERLING, JESSICA	2,735,336
MAHABALESHWARA	2,970,824	NOK CORPORATION	3,007,326	OH, YOUNG-HO	2,989,760
NEGLEY, MARK A.	2,790,428	NOLDNER, MICHAEL	2,851,947	OHMACHI, AIKO	2,880,000
NEGRI, ARNAUD	2,861,076	NOMAD BIOSCIENCE GMBH	2,807,544	OHMAN, ULRICA	2,880,922

Index des brevets canadiens délivrés

24 mars 2020

OHMAN, ULRICA	2,880,990	PACKMAN, KATHRYN E.	2,859,940	PEERS, ROBERT PETER	2,843,644
OHRI, RACHIT	2,817,260	PADDOCK, RYAN EVAN	2,934,319	PEETERS, JEFFREY GERARD	2,942,941
OIKARINEN, MATTI JUHANI	2,944,361	PADILLA, RICARDO, JR.	3,025,262	PEGG, STEVEN	2,812,117
OIL-DRI CORPORATION OF AMERICA	2,838,668	PADLIYA, NEERAV D.	2,795,518	PEIRCE, MICHAEL	2,795,601
OISHI, KAREN	2,816,190	PAGANO, SALVATORE	2,890,365	PELLETIER, ERIC	2,941,128
OISHI, KEIICHIRO	3,033,840	PALAKAPILLY, BASIL J.	3,005,645	PELLETIER, GHYSLAIN	2,886,634
OJALA, ETHAN WAYNE	2,845,579	PALEOLOGOU, MICHAEL	2,981,722	PELTIER, JORDANE	2,882,816
OKA, TAKAYUKI	3,033,840	PALOMAKI, PIRKKA	2,974,552	PENG, WEI	2,888,286
OKADA, TETSURO	3,051,654	PALOMERO, TERESA	2,789,404	PENG, XUEGANG	2,979,906
OKAMOTO, YOHEI	2,909,850	PALOU-RIVERA, IGNASI	3,046,979	PEP-TONIC MEDICAL AB	2,832,664
OKAZAKI, NAOYA	2,990,342	PAN, LONG	2,896,569	PEPKA, CHARLES F.	2,978,010
OKAZAKI, NAOYA	2,990,346	PANDROL LIMITED	2,875,817	PEPPER, CHRIS	2,845,047
OKUZU, TAKAYOSHI	2,847,117	PANGU BIOPHARMA LIMITED	2,755,784	PERENTES, ALEXANDRE	2,829,510
OLANIYAN, TUNDE ABIODUN	2,993,697	PANIAGUA, LEONARDO	2,857,970	PEREYRA, MATIAS	2,792,755
OLDS, KEVIN C.	2,854,505	PANION & BF BIOTECH INC.	2,619,591	PEREZ, DOLORES	2,859,989
OLESEN, JENS OLE	2,914,535	PANKRATZ, VIRGINIA	3,001,182	PERKINS, JAY F.	2,870,278
OLLINGER, CHARLES G., IV	2,862,168	PANSHIN, STEPHEN D.	2,961,946	PERON, YANNICK LOUIS	2,797,595
OLSON, DOUGLAS R.	2,895,515	PANZ, CHRISTIAN	2,828,030	PERRI, CARMINE	2,887,389
ONO, AKIHITO	2,990,342	PAOLO, BACCHIN	2,896,639	PERRON, LUC	2,979,892
ONO, ICHIRO	2,795,995	PAPET, ISABELLE	2,815,109	PERSAD, RABINDRANTH	2,993,065
ONODERA, SATOSHI	2,960,673	PARAGONIX TECHNOLOGIES, INC.	2,830,225	PERSOON, STAFFAN	2,880,922
ONORATO, ORLANDO	2,831,926	PARAYIL, THOMAS	2,837,596	PERSOON, STAFFAN	2,880,990
ONOZAKI, YASUMICHI	2,864,993	PAREDES, JENNIFER	2,795,518	PETERS, SCOTT R.	2,814,539
OPKO RENAL, LLC	2,882,048	PARIKH, SAMIR R.	2,870,083	PETERSEN, WALTER D.	2,876,131
OREGON PRECISION INDUSTRIES, INC. DBA PAKTECH	2,972,077	PARION SCIENCES, INC.	2,838,529	PETERSON, DANIEL A.	2,814,296
OREN TECHNOLOGIES, LLC	2,860,091	PARK, BONG HYUN	2,886,817	PETERSON, VANELLE F.	2,883,565
OREN, JOHN	2,860,091	PARK, JEONG-HOON	3,029,323	PETERSON-BURCH, BROOKE	2,826,276
ORICCHIO, ELISA	2,789,404	PARK, KYUNG-MO	2,852,204	PETIOT, CAROLINE	2,895,547
ORNDORFF, TIMOTHY JAMES	2,939,868	PARKER, REX A.	2,796,338	PETROU, DAVID	2,771,094
ORTEGA COLLADO, SANTOS	2,901,273	PARKS, DAVE	2,821,506	PETROV, KATIA	2,863,595
ORTHOFT ULC	2,887,130	PARMA, PAOLO	2,856,498	PETTINOTTI, SERGE DOMINIQUE	2,869,275
ORYXEO INGENIERIA LIMITADA	2,965,441	PARSONS, JOHN PATRICK	2,798,808	PETTY, CHRIS	3,002,825
OSADA, MIYAKO	2,901,166	PARTHASARADHI REDDY, BANDI	2,833,115	PETTY, TOM D.	2,817,257
OSAWA, JIRO	2,983,379	PATAGONIA BIOTECNOLOGIA S.A.	2,891,154	PFEIFFER, STEVEN	2,835,932
OSBORNE, ROSEMARIE	2,960,025	PATE, RANDELL E.	3,052,172	PHANOPOULOS, CHRISTOPHER	2,874,285
OSG CORPORATION	2,983,379	PATEL, KRISHNAKANT M.	2,970,824	PHILIP MORRIS PRODUCTS S.A.	2,816,190
OSIKA, MICHAEL P.	2,872,618	PATEL, MIHIR	2,992,312	PHILIP, BRADLEY S.	2,891,251
OSRAM SYLVANIA INC.	2,977,781	PATEL, NEKI	2,926,876	PIATESI, ANDREA	2,756,514
OSTRANDER, KEVIN	2,958,087	PATEL, NISHANK R.	2,951,929	PICHEL, MATTHEW	2,913,500
OSWALD, JAMES A.	3,045,430	PATEL, VYOMA	2,912,368	PICKETT, TIMOTHY MICHAEL	2,942,941
OTAKE, NORIKAZU	2,875,080	PATIL, PREETI	2,877,525	PIEHL, KRISTI HELEN	2,755,784
OTTO BOCK HEALTHCARE PRODUCTS GMBH	2,992,907	PATKAR, ANANT YESHWANT	2,675,183	PIERRE, ERICA	2,983,849
OULANTI, OTMAN	3,031,013	PATNAIK, SAMARJIT	2,820,362	PIERRE, SANTIAGUE	3,013,027
OUMAR-MAHAMAT, HALOU	2,896,371	PATTERSON, CURTIS	2,903,906	PIERREL PHARMA S.R.L.	2,807,266
OUMOUCHE, SAID	2,867,494	PATTERSON, WADE	2,999,444	PIETTRE, ARNAUD	2,867,494
OUWERKERK, CHARLES EDUARD DAMMIS	2,859,907	PAUL, KIMBERLY	2,861,824	PILCH, SHIRA	2,896,569
OVALLE, DANIEL	2,857,970	PAUL, TERRANCE	2,966,928	PIMENTEL, MARK	2,752,033
OWEN OIL TOOLS LP	3,032,393	PAULAT, FLORIAN	2,828,030	PINGER, THOMAS	3,015,539
OWUSU-ADOM, KWAME	2,993,465	PAULSEN, JIM-VIKTOR	2,763,602	PINGIN, VITALIJ VALER'EVICH	2,997,712
OXYRANE UK LIMITED	2,887,752	PAULSEN, KEVIN	2,826,701	PIONEER HI-BRED INTERNATIONAL, INC.	2,784,106
OZAKI, SHIGEYUKI	2,956,064	PAVAGEAU, STEPHANE	2,876,081	PIONEER HI-BRED INTERNATIONAL, INC.	2,826,276
OZDOGANLAR, O. BURAK	2,967,017	PAVLIAK, VILIAM	2,766,629	PIONEER HI-BRED INTERNATIONAL, INC.	2,852,003
OZSUMER, SERDAR	3,008,224	PAVLICK, ALLAN	2,930,716	PIONEER SURGICAL TECHNOLOGY	2,860,227
PACE INTERNATIONAL, LLC	2,880,243	PAWLUK, ROBERT R.	2,985,303	PLANTE, DOMINIQUE	2,967,783
PACHAPUR, VINAYAK	2,945,507	PAYAN, DONALD	2,806,341	PLATZEK, JOHANNES	2,777,314
PACKE-WIRTH, RAINER	2,756,514	PEAK COMPLETION TECHNOLOGIES, INC.	2,913,774		
PACKER, MARK	2,805,426	PEARSALL, ROBERT SCOTT	2,770,822		
		PECHENIK, JACOB	2,719,146		
		PECK, JOHN PATRICK	2,957,763		

Index of Canadian Patents Issued March 24, 2020

PLETNEV, ALEXANDER G.	2,903,126	PUERTA VELASQUEZ, JUAN DAVID	2,956,537	REBER GENETICS CO., LTD.	2,985,381
PLURISTEM LTD.	2,646,384			REES, STEPHEN EDWARD	2,818,963
PODBOY, RONALD A.	2,954,194	PUFKY-HEINRICH, DANIELA, DR.	2,997,308	REESE IV, RICHARD GRIFFITH	2,894,308
POFFENROTH, LESLIE	2,975,745	PUGNER, TINO	2,899,534	REESE, GEORGE D.	2,969,700
POHLMANN, TIM	2,992,061	PUIG CEBRIA, JORDI	2,928,845	REESE, REX D.	2,969,700
POHLMANN, TIM	2,992,064	PURAC BIOCHEM BV	2,979,587	REGISTER, JAMES CALVIN, III	2,784,106
POKROVSKI, KONSTANTIN	2,789,621	PUTNAK, JOSEPH R.	2,903,126	REHMAN, ABDUL	2,958,720
POLAGE, SARAH	2,997,308	PUTTEN VAN, KOEN	2,784,108	REICHERT, ALBERTO	2,857,970
POLINS, KURT E.	2,930,716	PYLON MANUFACTURING CORP.	2,843,644	REICHERT, JUERGEN	2,756,514
POLLOCK, CHARLES	2,747,294	PYSZCZEK, ELLEN J.	2,984,428	REICHL, STEPHAN	2,984,213
POLNIASZEK, RICHARD P.	2,835,932	QAMAR, M. SAMIR	2,997,552	REID, ERIC M.	3,010,058
POLYPHOR AG	2,848,584	QI, LIFANG	3,021,859	REIL, JULIE ANN	2,795,259
POLYPHOR AG	2,867,494	QIAO, DELI	2,974,624	REILLY, KARLYNE	2,760,547
POON, AARON	2,980,923	QIN, LEI	2,885,905	REIMAN, ANTHONY	3,054,975
POPLAWSKI, JOHN	2,813,190	QINGDAO KINGAGROOT CHEMICAL COMPOUNDS CO., LTD	2,979,906	REISINGER, CHRISTOPH	2,863,734
POPPE, DIRK	2,850,093	QIU, LIXIA	2,983,746	REIST, CLARENCE S.	3,017,327
POPPE, DIRK	2,851,556	QIU, YAN	2,806,775	REIST, EDGAR S.	3,017,327
PORBANDARWALA, SARITA V.	2,810,512	QUALCOMM INCORPORATED	2,865,949	RELIANCE INDUSTRIES LIMITED	2,900,185
PORTS, BENJAMIN	2,895,515	QUALCOMM INCORPORATED	2,883,802	REN, LI	2,975,165
PORTZ, DANIELA	2,823,999	QUALCOMM INCORPORATED	2,915,130	RENCO WORLD CORPORATION	2,873,948
POTHARAJU, VENKATA SUBBARAO	2,724,755	QUALCOMM INCORPORATED	2,923,909	RENMATIX, INC.	2,859,752
POTNICK, JUSTIN	2,856,448	QUANCI, JOHN FRANCIS	2,896,479	RENNERT, PAUL D.	2,897,626
POULSEN, HENNING	2,811,965	QUANTUM INNOVATIONS, INC.	2,956,080	RENNIE, MICHAEL	3,033,652
POVINELLI, ANTHONY J.	2,939,281	QUARK DISTRIBUTION, INC.	3,008,847	RENTON COIL SPRING COMPANY	2,978,010
POWELL MANSFIELD, INC.	2,939,949	QUEEN'S UNIVERSITY AT KINGSTON	2,693,740	REPRO-MED SYSTEMS, INC.	2,944,059
POWELL, NELSON	2,939,949	QUICK FITTING, INC.	3,049,520	REUL, BERNHARD	2,984,056
POWER, GUNNAR	2,907,323	QUINTERO, LIRIO	2,996,554	REUSCHENBACH, MIRIAM	2,799,803
PRASHAD, MAHAVIR	2,813,736	QUIRK, KYLE	3,018,702	REYES, ENRIQUE ANTONIO	3,018,711
PRATSINIS, ANNA	2,849,426	R.E.M. S.P.A. REVOLUTION ENERGY MAKER	2,856,498	REYMOND, GEORGES-OLIVIER	3,047,131
PRATT & WHITNEY CANADA CORP.	2,805,184	RADHAKRISHNAN, SURESH	2,862,357	REYNARD, FRANCOIS	2,864,412
PRATT & WHITNEY CANADA CORP.	2,806,068	RADON, RAPHAEL	2,949,352	REYNOLDS, ALAN C.	3,042,516
PRATT & WHITNEY CANADA CORP.	2,809,801	RADON, ROMAN	2,949,352	REYNOLDS, MARK	3,031,491
PRECISION PLANTING LLC	2,894,571	RAFELSBERGER, OLIVER	2,837,314	RHEE, CHUL WOO	2,990,584
PRECISE, ASSAF	3,024,957	RAGUENET, GERARD	2,808,511	RHODIA OPERATIONS	2,866,576
PREISS, FRANK	2,821,506	RAHANE, SANTOSH	2,938,544	RHOTE-VANEY, RAPHAEL	2,994,185
PRENCIPE, MICHAEL	2,912,368	RAJAGOPAL, ARUN	3,017,908	RHYU, SUNG-RYEUL	2,852,204
PRESTIGE AMERITECH, LTD.	2,969,700	RAKESTRAW, GINGER C.	2,796,338	RICARD, MICHELLE AGNES	3,031,013
PRICE, KEVIN R.	2,909,722	RALEIGH, GREGORY G.	2,819,634	RICHARDS, JEFFREY A.	2,966,928
PRICE, TERRI A.	2,809,718	RAMAGE, DAVID L.	2,939,918	RICHART, OLIVIER	2,795,463
PRINCE, MATTHEW B.	3,011,596	RAMBECK, WALTER	2,775,246	RICHTER, KATHARINA	2,910,201
PRITCHARD, JOYCE A.	2,744,454	RAMSEY, DAVID L.	2,959,186	RICOH COMPANY, LIMITED	2,949,473
PRIVATE EQUITY OAK LP	2,737,624	RAMUSSEN, BRIAN	2,811,965	RIGEL PHARMACEUTICALS, INC.	2,806,341
PROA MEDICAL, INC.	2,956,001	RANDOLPH, ROBIN L.	2,724,755	RINGER, MAURICE	2,819,318
PROBIODRUG AG	2,789,440	RANI THERAPEUTICS, LLC	2,840,617	RINNER, FRANZ	2,996,919
PROCAPS SA	2,817,879	RAO, NEETA	2,887,048	RISSANEN, ARTO	2,817,675
PRODWAYS	2,813,924	RAO, NEETA	2,891,062	RISSANEN, ARTO	2,833,204
PROFEAT BIOTECHNOLOGY CO., LTD.	2,968,446	RASHIDI, NEGAR	2,887,374	RITTAL GMBH & CO. KG	2,944,371
PROKOSHKIN, SERGEY DMITRIEVICH	2,893,425	RASTOGI, RACHNA	2,842,550	RITTLE, LOREN J.	2,899,878
PROPE, CHRISTOPHER CHARLES	2,951,020	RATEICZAK, MITJA	2,984,056	RIVERA, TEODORO	2,735,336
PROSHKIN, ALEXANDR VLADIMIROVICH	2,997,712	RATH, JOHN	2,861,833	ROADTEC, INC.	3,002,825
PROULX, ALAN	2,993,065	RAULEDER, HARTWIG	2,828,030	ROBERFROID, DAVID	3,047,131
PRUNERA-USACH, STEPHANE	2,882,816	RAVELLI, EMMANUEL	2,955,095	ROBERT, EMMANUEL	3,047,131
PUCCIO, DAN	2,969,219	RAXEL PTY LTD	2,902,243	ROBERTS, ANDREW F.	2,823,691
		RAY, GARY ALAN	2,909,727	ROBERTS, NORMAN	3,031,013
		RAYBON, CHRIS	2,823,914	ROBERTS, RICHARD WILLIAM	2,857,607
		REARICK, TODD	2,960,178	ROBIC, BERNARD	2,879,516
		REASONER, STEPHEN	2,880,488	ROBINSON, ADAM	2,996,460

**Index des brevets canadiens délivrés
24 mars 2020**

ROCKENFELLER, UWE	2,783,376	RUTGERS, THE STATE OF		SANO, YUSUKE	3,000,803
ROCKWOOL		UNIVERSITY OF NEW		SANTA, MONIKA	2,873,915
INTERNATIONAL A/S	2,856,359	JERSEY	2,863,203	SANTAMARIA, ROMAIN	2,886,933
ROCKY RESEARCH	2,783,376	RUTGERS, THE STATE		SANTOS ORTEGA COLLADO	2,901,273
ROCTOOL	2,875,233	UNIVERSITY OF NEW		SAPRE, AJIT VISHWANATH	2,900,185
RODRIGUEZ, JUAN	2,853,211	JERSEY	2,917,056	SAPREX, LLC	2,912,854
ROELOFS, CASPAR JULES		RYKLINA, ELENA		SARKAR, SANDIP	2,923,909
ALBERT ANTON	2,845,298	PROKOPIEVNA	2,893,425	SARMA, SAURABH JYOTI	2,945,507
ROEMER, PATRICK	2,807,544	RYU, AKIO	2,901,166	SARONG SOCIETA' PER	
ROER, JOCHEN	2,955,122	SAARINEN, JUHANI	2,692,251	AZIONI	2,870,507
ROESCH, KEVIN R.	2,842,370	SADABADI, HAMID	2,981,799	SARRA-BOURNET,	
ROHLOFF, KATHRIN	2,912,945	SADEGHI, POURIYA	2,886,634	CHRISTIAN	2,859,694
ROHR INC.	2,800,049	SADLER, CLAYTON C.	2,983,183	SASAI, HISAO	2,826,423
ROJAS-CALVO, CARLOS E.	2,857,970	SAEED-KOTHE, AMNA	2,796,338	SASAI, HISAO	2,850,066
ROLAND, FLAVIEN	3,047,131	SAFARILAND, LLC	2,991,866	SASAKI, HIROFUMI	3,051,654
ROLL, MARK A.	2,820,610	SAFE RACK LLC	2,864,813	SASAKI, TASUKU	2,928,623
ROLLAND, SAM	2,781,455	SAFRAN ELECTRONICS &		SATO, SHINOBU	3,051,654
ROLLPACK CO., LTD.	3,003,254	DEFENSE	3,047,131	SATO, YUYA	2,839,471
ROLLPACK CO., LTD.	3,003,256	SAFRAN HELICOPTER		SAUDI ARABIAN OIL	
ROLLS-ROYCE		ENGINES	2,949,963	COMPANY	2,849,126
CORPORATION	2,862,658	SAGARA, TAKESHI	2,997,051	SAUNDERS, JEFFREY O.	2,793,836
ROMPE, ANDRE	3,019,397	SAHIN, UGUR	2,768,600	SAUNOIS, ALEX	2,843,082
RONEN, GIL	2,877,145	SAINT-GOBAIN GLASS		SAVAGE, PAUL B.	2,848,567
RONN, ELIZABETH HODGE	2,863,163	FRANCE	2,867,840	SAVIGNAT, BENOIT	2,953,769
RONN, KARL PATRICK	2,863,163	SAINT-GOBAIN GLASS		SAWYER, TOM Y., JR.	2,817,257
ROODENBURG, JOOP	2,866,346	FRANCE	2,984,056	SAYLIK, DILEK	2,861,558
ROOS, PAUL W.	2,862,347	SAINT-GOBAIN GLASS		SBITNEV, ANDREJ	
ROOSE, PETER	2,861,145	FRANCE	2,993,479	GENNAD'EVICH	2,997,712
ROOZEBOOM, KEITH LEON	2,885,308	SAINT-GOBAIN ISOVER	2,886,933	SCARPINO, WILLIAM	2,909,332
ROSE, ROBERT HOWARD	2,997,552	SAKAGAMI, KAZUNARI	2,875,080	SCELONGE, CHRISTOPHER	
ROSEN SWISS AG	2,994,191	SAKAI CHEMICAL INDUSTRY		JAY	2,784,106
ROSEN, MATTHEW SCOT	2,960,178	CO., LTD.	2,864,393	SCHAEDE, JOHANNES	3,050,613
ROSENBERGER		SALISBURY, BRIAN A.	2,939,918	SCHANZENBACH, BERND	
HOCHFREQUENZTECHNI		SALMON, ANDREW	2,724,755	ARMIN	2,911,395
K GMBH & CO. KG	2,947,106	SALYER, DAVID	2,980,923	SCHARF, THILO	2,821,506
ROSENTHAL, DANIEL	2,944,371	SAMANDI, MASOUD	2,865,274	SCHASEL, MICHAEL E.	2,956,562
ROSS, RUSSELL F.	2,853,214	SAMPATH,		SCHAWBEL TECHNOLOGIES	
ROTATION MEDICAL, INC.	3,008,668	PARTHASARATHY	2,809,801	LLC	2,969,219
ROTELLA, JOHN A.	2,859,464	SAMSON, WILLIAM		SCHEIDER, THOMAS	2,819,322
ROTHBERG, JONATHAN M.	2,960,178	DOUGLAS	2,989,176	SCHELSKE, ELDON	3,012,331
ROTHMAN, PAUL J.	2,911,663	SAMSUNG ELECTRONICS		SCHENK, JOHN LOUIS	2,590,191
ROUNSEVILLE, MATT	2,850,329	CO., LTD.	2,811,495	SCHIFF, DAVID	2,864,411
ROUSE INDUSTRIES INC.	3,032,869	SAMSUNG ELECTRONICS		SCHINDER, MARKUS	2,967,078
ROUSE, CODIE	3,032,869	CO., LTD.	2,830,179	SCHLEGEL, RICHARD	2,817,712
ROUSE, JOHN	3,032,869	SAMSUNG ELECTRONICS		SCHLEICHER, GARY PAUL	2,896,371
ROUZES, SIEGFRIED	2,835,587	CO., LTD.	2,847,360	SCHLEMBACH, CATHERINE	
ROVI GUIDES, INC.	2,738,631	SAMSUNG ELECTRONICS		JEAN	2,865,173
ROY CHOUDHURY, NEIL	2,981,799	CO., LTD.	2,852,204	SCHLEPPE, JOHN B.	2,876,131
ROY, ANINDO	2,989,421	SAMSUNG ELECTRONICS		SCHLIWA-BERTLING, PAUL	2,860,181
ROYCHOUDHURY, RAJ	2,873,735	CO., LTD.	2,989,760	SCHLOSSBERG, BRIAN	2,860,227
ROZENBURG, KEITH		SAMSUNG ELECTRONICS		SCHLUMBERGER CANADA	
GREGORY	2,868,294	CO., LTD.	3,029,323	LIMITED	2,819,318
RUDOLF, MARIAN	2,886,634	SAMUEL, ROBELLO	2,956,570	SCHLUMBERGER CANADA	
RUF, MARKUS	2,828,030	SANCHEZ, ROSA GARCIA	2,744,426	LIMITED	2,861,854
RUNDQUIST, DAVID	2,744,426	SANCHEZ-MONGE, ENRIQUE	2,949,105	SCHLUMBERGER CANADA	
RUPPEN, MARK EDWARD	2,766,629	SANDER, ELIZABETH J.	2,974,569	LIMITED	2,868,279
RUPRECHT-KARLS-		SANDERSON, HUGH	2,812,117	SCHMALBUCH, KLAUS	2,984,056
UNIVERSITAT		SANDOR, JOSEPH	2,808,725	SCHMIDT, BEAT	2,883,570
HEIDELBERG	2,799,803	SANDOZ AG	2,921,883	SCHMIDT, GAVIN M.	2,810,512
RUSH, GAVIN	2,742,594	SANDOZ AG	3,013,161	SCHNEIDER, GISBERT	2,849,426
RUSHER, RYAN	2,820,743	SANDVINE CORPORATION	2,815,050	SCHNEIDER, MARK D.	2,975,925
RUSSELL, AARON GENE	2,997,709	SANFORD HEALTH	2,885,697	SCHNEIDER, MICHAEL	2,967,078
RUSSELL, PHILLIP E.	2,805,426	SANMARTIN, LUIS	2,893,747	SCHNEIDER, PETER	2,804,621
RUSSO, KATIE A.	2,796,338	SANO, KENTARO	2,859,630	SCHNELL, MARKUS	2,955,095

Index of Canadian Patents Issued March 24, 2020

SCHNELL, MARKUS	2,956,010	SERTECPET S.A.	2,992,387	SIEMENS	
SCHNIER, BENEDIKT	2,821,390	SESSIONS, TURNER	2,987,591	AKTIENGESELLSCHAFT	3,013,435
SCHOBER, BARTON J.	2,880,033	SEWAK, ROBERT	2,985,086	SIEMENS GAMSEA	
SCHOENI, MARCO	3,053,203	SEWONCELLONTEC CO., LTD.	2,894,815	RENEWABLE ENERGY	
SCHOENLAU, FRANK	2,803,360	SHAH, HARSH	2,877,525	A/S	2,811,965
SCHOENTHALER, MARTIN	2,910,201	SHAH, KRUNAL S.	2,899,878	SIEMENS MOBILITY GMBH	3,019,397
SCHONENBERG, RUDOLF	2,870,190	SHAN, LI	2,853,613	SIEMENS SCHWEIZ AG	2,975,165
SCHOONMAKER, RYAN	2,992,620	SHANDONG UNIVERSITY OF		SIEMER, KONRAD	2,893,312
SCHOTT CORPORATION	2,868,294	SCIENCE AND		SIGLOCK, JOHN V.	2,892,797
SCHOTZ, KARL	2,851,947	TECHNOLOGY	2,975,417	SILISKI, MICHAEL	2,856,554
SCHRAMM, CHARLES J., JR.	2,889,164	SHANGHVI DILIP, DILIP	2,943,728	SILVERI, KERRY W.	2,975,925
SCHREURS, FREDERIK JAN		SHANKS, DAVID SIRDA	2,865,831	SIM, SIAH KWANG	2,829,784
HENDRIK	2,858,768	SHANTON PHARMA CO., LTD.	2,973,746	SIMMONS, WALTER JOHN	2,822,568
SCHRODL, SOREN	2,819,322	SHARIFIKOLOUEI, ELHAM	2,986,347	SIMMONS, WALTER NEAL	2,822,568
SCHROEDER, TIMOTHY PAUL	2,954,621	SHAW, SIMON	2,806,341	SIMMS, JOHN R.	2,861,325
SCHUBERT, BENJAMIN	2,955,095	SHAWVER, MICHAEL JOSEPH	3,001,182	SIMPLEHUMAN, LLC	2,808,725
SCHUELLER, ULF	3,047,847	SHELKE, NAMDEV	2,842,550	SINGH, DEEP ARJUN	2,843,587
SCHULER PRESSEN GMBH	2,861,447	SHELL INTERNATIONALE		SINGH, GAGANDEEP	3,010,820
SCHULTE, LUDGER	2,900,880	RESEARCH		SINGH, KARAN	3,043,621
SCHULTZ, ROGER L.	2,829,220	MAATSCHAPPIJ B.V.	2,793,251	SINGH, RAJINDER	2,806,341
SCHULZ, VALENTIN	2,993,479	SHELL INTERNATIONALE		SINGH, RAJIV R.	2,886,541
SCHUSTER, LEON R.	2,997,792	RESEARCH		SINQUIN, GILLES	2,854,789
SCHUTZ, PATRICK	2,843,776	MAATSCHAPPIJ B.V.	2,806,585	SINTERLEGHE S.R.L.	2,899,534
SCHVETZ, YOSSEF	3,008,224	SHELL INTERNATIONALE		SINUNU, STEPHEN A.	2,873,239
SCHWAB, MARTIN	2,947,106	RESEARCH		SINUR, RICHARD R.	2,870,278
SCHWALB, CARSTEN	2,756,514	MAATSCHAPPIJ B.V.	2,859,907	SIRAY, MUSTAFA	2,828,030
SCHWARZ, FRANZ XAVER	3,013,161	SHELL INTERNATIONALE		SIRRENBURG, STEFAN	2,902,025
SCHWEIGERT, BRAD D.	2,911,838	RESEARCH		SITKOFF, DOREE F.	2,796,338
SCHWENKER, KAI-OLIVER	2,926,287	MAATSCHAPPIJ B.V.	2,865,173	SIVAKUMAR, PALLAVUR V.	2,971,794
SCIENTIFIC DRILLING		SHEMTOV, SAMI	3,012,523	SJOGREN, JONATHAN	2,848,230
INTERNATIONAL, INC.	2,887,530	SHETH, RITESH BHARAT	3,004,565	SJOSTROM, SHARON J.	2,793,326
SCOTT, ALAN JAMES	2,993,697	SHETTY, SMITHA	2,877,525	SKIDMORE, AARON	2,689,490
SCOTT, DAVID J.	2,885,703	SHI, YUNMING	2,940,634	SLATE, JOHN B.	2,724,641
SCOTT, GEORGE R.	2,837,475	SHIBAHARA, YOUJI	2,826,423	SLEGEL, TIMOTHY	2,874,181
SCOTT, STEPHEN	2,903,906	SHIBAHARA, YOUJI	2,850,066	SLOAN, TODD	2,903,713
SCULLY, FAYE L.	2,897,795	SHIBUYA, TAKASHI	2,849,747	SMIT, MARIYA	2,789,874
SEALFON, ANDREW L.	2,944,059	SHIBASHI, TADASHI	2,983,573	SMITH & LOVELESS, INC.	2,866,481
SEARI ELECTRIC		SHIMADA, JAMES J.	2,777,959	SMITH & NEPHEW PLC	2,797,595
TECHNOLOGY CO., LTD.	2,925,043	SHIN, JE-HYUN	2,867,583	SMITH & NEPHEW PLC	2,867,969
SEB SA	2,875,954	SHINDO, SHO	2,864,256	SMITH, EDWARD F.	2,986,599
SECHRIST, PAUL ALVIN	3,046,979	SHINOHARA, HAZUKI	3,051,654	SMITH, GEORGE J., JR.	2,892,938
SEDIC, FILIP	2,897,177	SHISHIDO, TAKUYA	2,801,385	SMITH, JANE	2,864,636
SEEHRA, JASBIR	2,770,822	SHORT BROTHERS PLC	2,895,564	SMITH, KENNETH D.	2,789,874
SEENIRAJ, GANESH KUMAR	2,994,185	SHORT, MATTHEW A.	2,962,583	SMITH, LANCE	3,014,786
SEHLSTEDT, MARTIN	2,956,531	SHREEVE, KATE L.	2,862,168	SMITH, RICHARD D.	2,901,992
SEIBEL, BURKHARD	2,991,600	SHUGRINA, MARIA	3,043,621	SMOLAN, PETER	2,954,621
SEIDELMANN, OLIVER	2,984,213	SHVACHKO, KONSTANTIN V.	2,938,768	SNECMA	2,857,927
SEKIYAMA, TADAKATSU	3,051,654	SHVARTS, ANTON	2,807,544	SNECMA	2,861,076
SELIGMANN, BRUCE A.	2,850,329	SHYAM, ANKIT SINGH	3,015,399	SNECMA	2,869,275
SEMENTIS LIMITED	2,906,735	SIBLANI, AL	2,892,893	SNECMA	2,879,516
SEMINARA, ANGELO	2,846,109	SIBONA, GUIDO	2,810,728	SNECMA	2,882,816
SEN, SUBRATA	2,675,183	SIBONA, GUIDO	2,810,765	SNECMA	2,893,248
SENBA, YUSUKE	3,064,525	SIBTAIN, FAZLE	2,809,718	SNYDER, BRIAN D.	2,679,384
SENDA, KUNIHIRO	2,974,618	SICHUAN KELUN-BIOTECH		SOCIETE DE	
SENDA, YUZO	2,909,242	BIOPHARMACEUTICAL		DEVELOPPEMENT ET DE	
SENGUPTA, SAURAV S.	2,861,113	CO., LTD.	2,987,118	RECHERCHE	
SENOVA GESELLSCHAFT		SICPA HOLDING SA	2,874,794	INDUSTRIELLE	2,839,760
FUR BIOWISSENSCHAFT		SIDRANSKY, ELLEN	2,820,362	SOCIETE DES PRODUITS	
UND TECHNIK MBH	2,731,664	SIECZKOWSKI, PHILIP	2,979,467	NESTLE S.A.	2,777,889
SENSEAIR AB	2,856,353	SIEMENS		SOCIETE DES PRODUITS	
SENTRILOCK, LLC	2,987,072	AKTIENGESELLSCHAFT	2,984,027	NESTLE S.A.	2,815,109
SENZAKI, KENTA	2,909,242	SIEMENS		SOCIETE DES PRODUITS	
SERIZAWA, ATSUSHI	2,880,000	AKTIENGESELLSCHAFT	2,994,185	NESTLE S.A.	2,829,510
SERR, MARKUS	2,926,287				

**Index des brevets canadiens délivrés
24 mars 2020**

SOCIETE DES PRODUITS		STASTNY, HONZA	2,809,801	SUN ROYAL INNOVATIVE	
NESTLE S.A.	2,865,851	STATOIL PETROLEUM AS	2,860,634	FABRICS INC.	2,932,144
SOFTBANK CORP.	2,966,318	STEFANSSON, NJALL	2,837,596	SUN, CHIA-YUN	2,938,544
SOFTBANK ROBOTICS		STEGO-HOLDING GMBH	2,911,395	SUN, LI-HSIANG	2,886,634
EUROPE	2,948,212	STEHLE, VLADIMIR	2,893,312	SUN, YI-CHENG	2,724,755
SOLANO LABS, INC.	2,889,387	STEIH, RICHARD	2,855,150	SUN, YUNCHENG	2,853,613
SOLHEIM, JOHN A.	2,911,838	STEINER, CARL A.	2,738,247	SUNCOAL INDUSTRIES	
SOMMERS, ERIC T.	2,951,929	STEINHAUS, BRUCE M.	2,883,903	GMBH	2,825,462
SONAR, SANDIP SATISH	2,981,799	STEMPO, JOHN M.	2,837,466	SUNCOKE TECHNOLOGY	
SONG, JAE-YEON	2,852,204	STENZENBERGER, HORST	2,992,061	AND DEVELOPMENT	
SONG, YI	2,904,023	STENZENBERGER, HORST	2,992,064	LLC.	2,896,479
SONOVA AG	2,788,389	STEPAN COMPANY	2,832,164	SUNDA, TAKASHI	3,033,164
SORAL, BOB	2,838,668	STEPAN COMPANY	2,871,633	SUNDAR, JAGANE	2,938,768
SORENSEN, JAMES		STEREN ELECTRONICS		SUNDBERG, BRIAN C.	2,886,259
CHRISTOPHER, III	2,911,269	INTERNATIONAL, LLC	3,035,348	SUPERFEET WORLDWIDE,	
SORLIE, CARSTEN FRITHJOF	2,860,634	STERN, GEORGE	2,809,842	INC.	3,029,681
SORRENTINO, ANTHONY	2,856,575	STERN-BERKOWITZ, JANET		SURI, SIDDHARTH	2,956,207
SORRENTO THERAPEUTICS,		A.	2,886,634	SUTTON, PAUL ALLEN	2,813,736
INC.	2,853,214	STERTIL B.V.	2,930,716	SUTURIN, VICTOR	
SOSNIAK, TERENCE CARL	2,880,979	STEWART, MICHELLE L.	2,746,256	MIKHAILOVICH	2,893,425
SOULS, DOUG	2,867,485	STIESDAL, HENRIK	2,811,965	SUWA, AKIYUKI	3,000,803
SOUM, CHRISTOPHE	2,806,802	STINAA & J FASHION AB	3,001,663	SUZAKI, KOUICHI	3,033,840
SOUND TECHNOLOGY		STINESSEN, KJELL OLAV	2,846,208	SUZHOU INSTITUTE OF	
TRANSFER, LLC	2,985,086	STOCKWELL, PATRICIA	2,777,889	NANO-TECH AND NANO-	
SOUTER, PHILIP FRANK	2,969,457	STOILOVA, SILVIA	2,866,576	BIONICS (SINANO),	
SOUTER, PHILIP FRANK	2,969,458	STOJANOSKI, VANCO	2,894,308	CHINESE ACADE OF	
SOUTER, PHILIP FRANK	2,969,465	STOKES, ROLAND IAN	2,819,912	SCIENCES	2,899,676
SOUTHALL, NOEL	2,820,362	STONE, MATTHEW T.	2,938,544	SUZUKI, KOUO	2,928,623
SOUTORINE, MIKHAIL		STONER, COLLIN	2,891,438	SUZUKI, TOMOHARU	2,847,117
VLADIMIROVICH	2,893,425	STORA ENSO OYJ	2,871,555	SUZUMURA, AKIO	2,931,492
SPALA, EUGENE E.	2,854,789	STRAEHNZ, JENS-PETER	2,867,485	SYMONENKO, YURI	2,807,544
SPATZ, JOACHIM	2,986,347	STRAND, ROSS	2,940,634	SYNERGY BIOMEDICAL LLC	2,853,457
SPC SUNFLOWER PLASTIC		STRMAG GMBH	2,892,964	SYNGENTA CROP	
COMPOUND GMBH	2,854,396	STRONGBOND B.V.	2,942,295	PROTECTION AG	2,950,287
SPECGX LLC	2,842,370	STRYKER CORPORATION	2,880,488	SYNGENTA PARTICIPATIONS	
SPELEMAN, FRANKI	2,789,404	STUART, VINCENT JOSEPH	2,764,537	AG	2,856,203
SPEZZOTTI, GIAN PIERO	2,753,159	STULL, DAVE	2,903,513	SYNGENTA PARTICIPATIONS	
SPHERITECH LTD	2,833,589	SU, SHINSAN	2,793,836	AG	3,004,565
SPICER, WADE	2,994,839	SU, SHUNXING	3,031,013	SYRJALAHTI, MIKKO	2,974,552
SPIESSHOFER, THOMAS	2,861,447	SUDDEUTSCHE ALUMINIUM		SZENTIMREY, RUDOLPH	2,837,466
SPINDLER, JEFFREY A.	2,788,798	MANUFAKTUR GMBH	2,902,025	TADLOCK, ROBERT	2,999,444
SPIRIDONOV, PAVEL	2,965,441	SUEDA, SATORU	2,864,393	TAIHO PHARMACEUTICAL	
SPORT TESTING INC.	3,010,820	SUEHIRO SEIKO KABUSHIKI		CO., LTD.	2,997,051
SPRATT, RAY STEVEN	3,031,672	KAISHA	2,977,333	TAISHO PHARMACEUTICAL	
SPRINGS WINDOW		SUGIHARA, MOTOHIDE	2,851,465	CO., LTD.	2,875,080
FASHIONS, LLC	2,907,215	SUGIO, TOSHIYASU	2,826,423	TAKADA, KANJI	2,795,995
SPRINT COMMUNICATIONS		SUGIO, TOSHIYASU	2,850,066	TAKAGI, KENTARO	2,894,233
COMPANY L.P.	3,017,908	SUH, DONG SAM	2,894,815	TAKAHASHI, HIROAKI	2,990,342
SPURRELL, WILLIAM		SUJINO, KEIKO	2,835,932	TAKAHASHI, SHUHEI	2,878,903
ANTHONY	2,764,537	SUKHADIA, ASHISH M.	2,905,276	TAKEDA, DAI	2,949,453
SSIMWAVE INC.	2,958,720	SULLIVAN, DANIEL J.	2,939,868	TAKEDA, KOJI	2,878,098
ST. JOHN, MAXIMUS	2,934,026	SULLIVAN, PHILIP F.	2,868,279	TAKETSU, HIROFUMI	2,931,667
STABILITECH LTD	2,851,176	SULTAN, BERNT-AKE	2,866,440	TAKEUCHI, HIDEYUKI	2,931,492
STACEY, MICHAEL	3,036,697	SUMITOMO METAL MINING		TAMAKI, NOBUYUKI	2,886,634
STAD, BENJAMIN J.	2,899,042	CO., LTD.	2,980,523	TAME, OMAR D.	2,993,065
STADLER, RAETO	3,053,203	SUMITOMO METAL MINING		TAMINCO	2,861,145
STAMPER, ADRIENNE	2,826,973	CO., LTD.	3,064,525	TAMPER, JUHA	2,856,151
STANDAERT, GEERT		SUMMERLAND, DAVID	2,747,294	TAMURA, YUKUYA	2,967,914
NORBERT R.	2,897,531	SUN PATENT TRUST	2,826,423	TANABE, SHOTA	2,960,673
STANDARD FIBER, LLC	2,999,434	SUN PATENT TRUST	2,850,066	TANAKA, SHINJI	3,033,840
STANFILL, CRAIG W.	2,981,476	SUN PATENT TRUST	2,876,567	TANDE, TERJE	2,954,807
STANGELAND, KEVIN S.	2,862,168	SUN PHARMA ADVANCED		TANG, BA-PHUC	2,861,076
STANTON, CHRISTIE JAYNE	2,724,755	RESEARCH COMPANY		TANG, KEQI	2,901,992
STARK, JACOBUS	2,858,768	LTD.	2,943,728	TANG, WEIMING	2,911,637

**Index of Canadian Patents Issued
March 24, 2020**

TANG, XIAOJUN	2,853,613	THALES CANADA INC.	3,037,463	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS	2,989,421
TANG, YUMEI	2,995,946	THE BOEING COMPANY	2,790,428	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	2,760,547
TANGUAY, ERIC	2,941,128	THE BOEING COMPANY	2,894,308	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	2,820,362
TANI, SHIGENORI	3,051,656	THE BOEING COMPANY	2,909,722	THE UNIVERSITY OF TOKYO	2,878,903
TANIKAWA, KYOKO	2,826,423	THE BOEING COMPANY	2,909,727	THE WELLBOSS COMPANY, LLC	3,001,787
TANIKAWA, KYOKO	2,850,066	THE BOEING COMPANY	2,918,108	THELIN, WILLIAM R.	2,838,529
TANIZAWA, AKIYUKI	2,971,911	THE BOEING COMPANY	2,922,418	THIELE, LARS	2,974,624
TANNER, JAMES T.	2,869,303	THE BOEING COMPANY	2,924,782	THIELEN, ALAIN	3,013,027
TANNPAPIER GMBH	2,908,173	THE BOEING COMPANY	2,993,697	THIELERT, HOLGER	2,995,540
TANO, YUTAKA	2,909,850	THE BOEING COMPANY	3,004,233	THIELERT, HOLGER	2,995,541
TATE, JASON LAMARR	2,820,610	THE BOEING COMPANY	3,010,058	THOMA, ZACHARY BRIAN	2,976,657
TATENO, JUNICHI	2,967,914	THE FEDERAL STATE AUTONOMOUS EDUCATIONAL INSTITUTION OF THE HIGHER PROFESSIONAL EDUCATION "NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY "MISI	2,893,425	THOMAS, JEAN-PHILIPPE	2,886,994
TAY, BOB	2,781,455	THE GILLETTE COMPANY LLC	2,989,871	THOMAS, JEAN-PHILIPPE A.	2,892,938
TAYLOR, MARGARET	2,992,620	THE GILLETTE COMPANY LLC	3,017,985	THOMAS, LISA C.	2,909,722
TAYLOR, RUSSELL H.	2,854,505	THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO	3,043,621	THOMAS, SINDHU HILARY	2,937,560
TDK ELECTRONICS AG	2,996,919	THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	2,903,126	THOMMEN, MARC	2,867,494
TE CONNECTIVITY CORPORATION	2,816,730	THE JOHN HOPKINS UNIVERSITY	2,854,505	THOMPSON, JEFFREY S.	2,897,626
TE CONNECTIVITY CORPORATION	2,958,212	THE LUBRIZOL CORPORATION	2,880,033	THOMPSON, JONATHAN PAUL	2,980,772
TECHNOLOGICAL RESOURCES PTY. LIMITED	2,787,851	THE NIELSEN COMPANY (US), LLC	2,776,656	THORPE, CHRISTOPHER A.	2,889,387
TEFERA, KOKEB	2,864,046	THE PROCTER & GAMBLE COMPANY	2,940,634	THRU TUBING SOLUTIONS, INC.	2,829,220
TEH YOR CO., LTD.	3,012,493	THE PROCTER & GAMBLE COMPANY	2,959,186	THULE SWEDEN AB	2,847,043
TEKESTE, GIRUM YEMANE	2,881,883	THE PROCTER & GAMBLE COMPANY	2,960,025	THYSSENKRUPP AG	2,995,540
TEKNOLOGIAN TUTKIMUSKESKUS VTOY	2,868,935	THE PROCTER & GAMBLE COMPANY	2,969,457	THYSSENKRUPP AG	2,995,541
TELANDO, STEVE	2,862,324	THE PROCTER & GAMBLE COMPANY	2,969,458	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	2,900,880
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	2,829,047	THE PROCTER & GAMBLE COMPANY	2,969,465	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	2,912,945
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	2,860,181	THE PROCTER & GAMBLE COMPANY	3,001,182	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	2,995,540
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	2,941,902	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	2,699,394	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	2,995,541
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	2,956,531	THE REYNOLDS AND REYNOLDS COMPANY	2,920,190	THYSSENKRUPP STEEL EUROPE AG	2,870,190
TEN HAAF, JULIA	2,829,406	THE STANLEY WORKS ISRAEL LTD.	3,017,156	TIAN, YE EDWARD	2,831,015
TENARIS CONNECTIONS B.V.	2,792,755	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA	2,939,103	TIEDE, DOREEN	2,807,544
TENGLIDEN, PER	2,871,299			TIJINK, JASJA	2,819,322
TENHOLDER, RODGER ALAN	2,973,660			TIMOFEYEVA, YEKATERINA	2,766,629
TENUTA, MATTHEW DOMINIC	2,886,662			TINEMBART, JEAN-FRANCOIS	2,829,510
TEPLY, JOEL	2,989,575			TINTORI, FEDERICO	2,767,021
TER WIEL, MATTHIJS	2,992,061			TITZ, GUIDO	2,828,030
TER WIEL, MATTHIJS	2,992,064			TIZARD, JOSEPH HENRY	3,046,979
TERABE, ATSUKI	2,864,393			TM INDUSTRIAL SUPPLY, INC.	2,738,247
TERADA, KENGO	2,826,423			TOBIA, MICHAEL STEPHEN	2,842,739
TERADA, KENGO	2,850,066			TODA, YOSHITAKE	2,881,788
TERAN, BRAULIO	2,817,879			TOIVAN, KRIS STEVEN	2,880,979
TERASHIMA, TAKASHI	2,974,618				
TERRASIMCO, INC.	2,822,568				
TERTEL, JONATHAN A. TERUMO MEDICAL CORPORATION	2,986,599				
TESAR, MICHAEL	2,555,185				
TESSIER, LUDOVIC	2,948,212				
TETRA TECH, INC.	2,893,017				
TEW, ARTHUR H.	2,805,426				
THALER, THOMAS	2,967,078				
THALES	2,808,511				
THALES	2,814,160				
THALES	2,835,587				

**Index des brevets canadiens délivrés
24 mars 2020**

TOKARSKI, JOHN S.	2,930,060	TURNER, DAVID RAY	2,922,418	URRUTI, ERIC HECTOR	2,868,294
TOKYO INSTITUTE OF TECHNOLOGY	2,881,788	TVA MEDICAL, INC.	2,817,552	URSCHEL LABORATORIES, INC.	2,998,384
TOKYO METROPOLITAN UNIVERSITY, MUNICIPAL UNIVERSITY CORP	2,878,903	TYLER, CHARLES ACE	2,959,890	USTER, MARKUS	2,689,490
TOLENTINO, VAMBI RAYMUNDO	2,843,644	TYME, INC.	2,927,979	UT-BATTELLE, LLC	2,699,614
TOMOGUCHI, SUGURU	2,990,342	UBRIANI, KIRAN	2,861,824	UVNAS-MOBERG, KERSTIN	2,832,664
TORAY ADVANCED MATERIALS KOREA INC.	2,886,817	UCHINO, TOSHIHIDE	2,977,333	VAARA, MARTTI	2,979,273
TORAY INDUSTRIES, INC.	2,859,630	UDANI, GOLDEE	2,695,709	VAARA, TIMO	2,979,273
TORAY INDUSTRIES, INC.	2,864,256	UEMURA, MASATAKA	2,949,453	VAARST, INGA	2,816,190
TORFS, RITA	2,861,704	UENO, HIROSHI	2,880,000	VACCARO, DYLAN	2,991,866
TORO, CARLOS F.	2,996,554	UKAI, MASAMITSU	2,846,368	VACULA, MICHAL	2,954,621
TORRISI, SALVATORE PHILIP	2,806,585	ULTERRA DRILLING TECHNOLOGIES, L.P.	2,790,523	VALMET AKTIEBOLAG	2,907,802
TOTA, AKOS	2,968,601	UNFRICHT, DARRYN W.	2,895,515	VAMIX N.V.	2,939,477
TOUAIBIA, MOHAMED	3,054,975	UNGER, WENDY	2,820,924	VAN DER MERWE, GERT	2,868,523
TOWN, WINSTON	2,619,591	UNISON INDUSTRIES, LLC	2,798,808	VAN DER WAYDBRINK, KARSTEN	2,984,665
TOWNSEND, RANDOLPH G.	2,868,792	UNITED PARCEL SERVICE OF AMERICA, INC.	2,983,247	VAN DER WERFF, HARM	2,784,108
TOYO SEIKAN GROUP HOLDINGS, LTD.	2,989,148	UNITED STATES STOVE COMPANY	2,868,993	VAN DOORN, JOHANNES ELISABERT	3,007,859
TOYOTA JIDOSHA KABUSHIKI KAISHA	2,909,850	UNITIKA LTD.	2,847,117	VAN EIJK, MICHAEL JOSEPHUS THERESIA	2,840,929
TOYOTA JIDOSHA KABUSHIKI KAISHA	2,992,353	UNITRACT SYRINGE PTY LTD	2,865,274	VAN KLINKEN, ERNST JAN	2,784,108
TOYOTA JIDOSHA KABUSHIKI KAISHA	3,002,292	UNIVERSITE DE MONCTON	3,054,975	VAN KOOYK, YVETTE	2,820,924
TOYOTA JIDOSHA KABUSHIKI KAISHA	3,006,650	UNIVERSITE LAVAL	2,859,694	VAN KRIEKEN, JAN	2,979,587
TRAMONTANA, MANUEL	3,008,224	UNIVERSITEIT GENT	2,887,752	VAN VLIERBERGHE, PETER	2,789,404
TRAMONTANO, VALENTINO	2,817,260	UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED	2,845,047	VANDENBERGHE, LUC H.	2,939,103
TRAN, DUONG DUC-PHI	2,835,932	UNIVERSITY OF IOWA RESEARCH FOUNDATION	2,760,547	VANDEPUTTE, BART	2,861,145
TRAN, NATHANIEL	3,008,668	UNIVERSITY OF KANSAS	2,897,795	VANDERBILT CHEMICALS, LLC	2,992,312
TRAPP, BENJAMIN M.	2,883,903	UNIVERSITY OF MARYLAND	2,901,992	VANDERKOLK, LESLIE L.	2,842,370
TREDGET, CARA SIOBHAN	2,793,251	UNIVERSITY OF MARYLAND, BALTIMORE	2,989,421	VANDERLANDE APC INC.	2,979,892
TREFILOV, ALEXANDRU	2,921,883	UNIVERSITY OF MASSACHUSETTS	2,866,525	VANDERWEES, DOUG	3,058,993
TREMBLAY, MARCO	3,039,076	UNIVERSITY OF NEW BRUNSWICK	3,054,975	VANLUE, DUKE	3,001,787
TRENTMANN, WILHELM	2,777,314	UNIVERSITY OF NORTH DAKOTA	2,892,538	VANS, INC.	2,895,246
TRIEBES, THOMAS G.	2,883,903	UNIVERSITY OF PITTSBURGH		VANSTEENWYK, BRETT	2,887,530
TRIMAN, ALAN SCOTT	2,835,932	- OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATN	2,967,017	VARDARELI, TUGBA	2,874,285
TRITZ, FRANZ-JOSEF	2,876,031	UNIWERSYTET WARSZAWSKI	2,768,600	VARIANKAVAL, NARAYAN	2,795,550
TRON - TRANSLATIONALE ONKOLOGIE AN DER UNIVERSITATSMEDIZIN DER JOHANNEGUTENBERG-UNIVERSITAT MAINZ GEMEINNUTZIGE GMBH	2,768,600	UNLU, EMINE	2,853,290	VARTDAL, HARALD	2,862,727
TROPICANA PRODUCTS, INC.	2,735,336	UNSPAM, LLC	3,011,596	VASILIU, CATALIN	3,037,463
TRUONG, KATIE	2,889,164	UOP LLC	2,983,183	VASQUEZ, NESTOR A.	2,853,794
TSAI, MENG-JU	2,985,381	UOP LLC	2,986,599	VECSERI, GABOR	2,896,287
TSO, CHUNG C.	2,905,276	UPM-KYMMENE CORPORATION	2,817,675	VECTURA GMBH	2,984,393
TSUCHIYA, ATSUKI	2,859,630	UPM-KYMMENE CORPORATION	2,833,204	VECTURA LIMITED	2,907,658
TSUMURA, TOSHIHIRO	2,977,333	UPM-KYMMENE CORPORATION	2,856,151	VEDPRAKASH, MISHRA	3,015,399
TU, HUILIN	2,861,854	UPM-KYMMENE CORPORATION	2,859,879	VELASTEGUI, OSCAR	2,980,923
TUCKER, LAYNE D.	2,817,257	URAZONO, HIROSHI	2,880,000	VELOS MEDIA INTERNATIONAL LIMITED	2,849,283
TUNC, GOKTURK	2,819,318	URE, COLIN	2,969,457	VEMIREDDY, MADHAVI	2,861,824
TUNG, HSUEH S.	2,789,621	URE, COLIN	2,969,457	VEMPATI, BRAHMANANDA R.	2,970,824
TURBYVILLE, THOMAS	2,760,547	URETEK USA, INC.	2,955,218	VENKATRAMAN, VIGNESH	2,807,985
TUREK, LADISLAV	2,954,621			VENTER, FRANCOIS	3,000,236
TURKVAN, HALUK	3,010,820			VEOLIA EAU - COMPAGNIE GENERALE DES EAUX	2,842,134
TURNER, ASHLEY MARK	2,986,934			VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT	2,796,247
				VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT	2,821,661
				VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT	2,827,022

Index of Canadian Patents Issued March 24, 2020

VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT	2,980,923	WAISSI, BELLAL	2,882,816	WEHOWSKI, FREDERIC	2,926,287
VERBIEST, JAN HENDRIK MARIA	3,001,182	WAKE FOREST UNIVERSITY HEALTH SCIENCES	2,845,516	WEI, JEFF	2,987,772
VERENIGING VOOR CHRISTELIJK WETENSCHAPPELIJK ONDERWIJS	2,820,924	WAKEFIELD, JIM	2,929,888	WEI, JINSHENG	2,977,781
VERES, TEODOR	2,830,103	WAKELAND, DANIEL	3,029,681	WEI, ZHENLI	2,870,795
VERMA, MAUSAM	2,945,507	WAKKINEN, JANICA	2,692,251	WEICHENBERGER, JURGEN ALBERT	2,997,984
VERMEER MANUFACTURING COMPANY	2,885,308	WALENSKY, LOREN D.	2,746,256	WEIGL, MARKUS	3,017,637
VERRAT, ADELE	2,867,840	WALKINGSTICK, PAUL B.	2,844,653	WEIMANN, FRANZ	2,819,322
VERVECKEN, WOUTER	2,887,752	WALLACE, PHILLIP D.	2,902,243	WEINSTEIN, DAVID S.	2,930,060
VETTER, DEREK P.	3,004,233	WALLACE, STACEY ELLEN	2,901,238	WEIS, FRANK G.	2,866,481
VETTER, MICHAEL J.	2,983,183	WALLACH, ADI	2,891,862	WELLE, ACHIM	2,851,395
VIA SURGICAL LTD.	2,858,142	WALTER REED ARMY INSTITUTE OF RESEARCH	2,903,126	WELLINGS, DONALD	2,833,589
VIB VZW	2,887,752	WALTERS, JAMES E.	2,882,529	WELLNITZ, BRIAN R.	2,870,278
VIBRATION TECHNOLOGY SOLUTIONS PTY LIMITED	2,862,714	WALTON, ZACHARY WILLIAM	2,995,685	WELS, BASTIAAN	2,887,374
VICHITVONGSA, KHAMBATH	2,896,479	WALTON, ZACHARY WILLIAM	3,006,181	WELSTEAD, G., GRANT	2,683,056
VICTAULIC COMPANY	2,837,466	WAN, LIRONG	2,975,417	WEMHONER, JENS	2,870,190
VIDAL, KARINE	2,815,109	WANDISCO, INC.	2,938,768	WEN, YING	2,940,634
VIERAITIS, DAVID J.	2,967,813	WANG, CHENCHEN	2,901,992	WENDEL, HANS-GUIDO	2,789,404
VILLALPANDO-PAEZ, FEDERICO	3,013,027	WANG, GANG	2,975,417	WENDELN, ULRICH	2,854,396
VILLANELO, M. ALEJANDRA PASCUAL	2,784,106	WANG, GUOXIANG	2,831,015	WENZEL DOWNHOLE TOOLS ULC	3,042,413
VILLENEUVE, BRUNO	2,805,184	WANG, JIA-LUN	2,795,518	WERNER, KATJA	2,984,056
VILLHAUER, EDWIN BERNARD	2,813,736	WANG, JIANXIN	2,985,520	WERNER, KLAUS	2,829,821
VINCENT, PRADEEP	2,944,361	WANG, JINGYI	2,987,118	WERNIG, MARIUS	2,683,056
VINCI, CATHERINE	2,956,537	WANG, LEI	2,974,624	WEST, JAMES C.	2,954,621
VINDSPOLL, HARALD	2,860,634	WANG, LI-WEN	2,756,514	WESTBERG, ROBIN L.	2,993,697
VISIBLE WORLD, LLC	2,763,678	WANG, LICHUN	2,987,118	WESTBROOK, WENDY	2,820,362
VO, THAI HOA	2,962,077	WANG, LINHUA	3,004,565	WESTHOFF, ELKE	2,821,390
VOEHRINGER, VERENA	2,859,133	WANG, LICHUN	2,987,118	WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION	3,045,430
VOGEL, MATT	2,975,925	WANG, MARTHA O.	2,892,893	WESTRICK, RICHARD L., JR.	2,971,061
VOICEAGE EVS LLC	2,821,577	WANG, RENHUI	2,975,417	WETTENGEL, KLAUS	2,926,287
VOIGT, BJORN	2,866,440	WANG, SHIPING	2,863,595	WHEELER, MARK	2,856,575
VOLATIER, SEBASTIEN	2,875,954	WANG, XIANG-MING	2,981,722	WHEELER, SIMON P. H.	2,917,634
VOLLRATH, JURGEN KLAUS	2,805,426	WANG, XIAO-HUAN	2,975,417	WHIRLPOOL CORPORATION	2,788,798
VON DEYLEN, DORTE	2,984,213	WANG, XIAOZHU	2,831,015	WHITE, BRYAN THOMAS	3,001,182
VON KNEBEL-DOEBERITZ, MAGNUS	2,799,803	WANG, XUEWEN	2,899,676	WHITE, COLBY	2,847,360
VON RYMON LIPINSKI, TADEUSZ	2,850,093	WANG, YE-KUI	2,849,283	WHITE, DANIEL F.	2,939,918
VONESH, MICHAEL J.	2,883,903	WANG, YE-KUI	2,865,949	WHITE, DAVID A.	2,993,065
VOORHEES, MARC	2,989,485	WANG, YE-KUI	2,883,802	WHITE, JOHN	2,999,444
VORS, JEAN-PIERRE	2,823,999	WANG, YUTAO	2,990,342	WHITE, RICHARD	2,996,460
VOSS, CHRISTIAN	2,968,601	WANG, YUTAO	2,990,346	WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH	2,683,056
VRAKAS, STEPHANIE C.	2,859,514	WANG, ZHONGBIN	2,925,043	WHITEHEAD, IAN NICHOLSON	2,969,219
VRESILOVIC, EDWARD J., JR.	2,679,384	WANG, ZHONGMIN MAXWELL	2,987,118	WHITEHEAD, STEPHEN S.	2,903,126
VU, QUANG NGOC	2,864,046	WANG, ZHOU	2,958,720	WIEMER, DAVID	2,760,547
VUILLEUMIER, LUCIEN	2,874,794	WANG, ZHUOZHI	2,831,907	WIJNING, DIEDERICK BERNARDUS	2,866,346
W. R. GRACE & CO.-CONN. INC.	2,852,703	WARD, JEFFERSON P.	2,961,946	WILDGOOSE, JASON LEE	2,873,610
WABTEC HOLDING CORP.	2,900,243	WARD, STEPHEN	2,851,176	WILES, TIMOTHY	2,957,928
WADA, SOHEI	3,051,654	WATANABE, HIROTO	3,064,525	WILHELM, JOEL	2,874,209
WAGNER, SONJA	2,992,907	WATERS, JOHN P.	2,950,287	WILKINSON, RANDALL DOW	2,993,697
WAISMAN, TAL	3,024,957	WATZKE, DONALD E.	2,997,792	WILKINSON, CRAIG ADAM	2,969,457
		WAX EBELING, JURGEN	2,864,452	WILKINSON, CRAIG ADAM	2,969,458
		WAYNE FUELING SYSTEMS LLC	2,911,637	WILKINSON, CRAIG ADAM	2,969,465
		WEATHERFORD TECHNOLOGY HOLDINGS, LLC	2,911,551	WILLEKE, BERT-REINER	2,870,190
		WEATHERFORD TECHNOLOGY HOLDINGS, LLC.	2,967,813	WILLIAMS, ALEXANDER K.	2,989,670
		WEBB, SPENCER	2,856,575	WILLIAMS, ALISON	2,781,455
		WEDI, THOMAS	2,876,567	WILLIAMS, DAWN R.	2,954,507
				WILLIAMS, JAY J.	2,899,878
				WILLIAMS, KEVIN R.	2,899,487
				WILLIAMS, MICHAEL L.	2,943,972

**Index des brevets canadiens délivrés
24 mars 2020**

WILLIAMSON, RALPH K.	2,776,656	XIAMEN LOTA		YONEMURA, IKKI	3,000,803
WILMS, JOHANNES MARIA		INTERNATIONAL CO.,		YONEYAMA, TOMOAKI	2,980,523
MATHIAS	2,784,108	LTD.	2,802,809	YOO YOUNG PHARM	
WILSEY, CHRISTOPHER D.	2,886,162	XIAO, LIANG	2,987,118	CO.,LTD.	2,992,404
WILSON, BRADLEY	2,855,150	XIAO, YUFANG	2,856,448	YOO, JAMES	2,845,516
WILSON, DAVID P.	2,886,541	XIE, JIAN	2,853,800	YOO, JI CHUL	2,894,815
WILSON, JAMES DAVID	2,866,576	XIONG, HUI	2,866,467	YOSHIDA, KAZUHIRO	2,949,473
WILSON, JAMES M.	2,939,103	XIONG, ZUOPING	2,899,676	YOSHIDA, NAOHIRO	3,002,292
WIND TOWER		XU, DONGXIN	2,966,928	YOSHIKAWA, HIROMI	2,949,473
TECHNOLOGIES, LLC	2,880,788	XU, KEVIN PENG	2,899,147	YOSHIMURA, HAJIME	2,960,673
WINDERL, DANIEL J.	2,971,629	XU, QINGBING	2,831,015	YOSKOWITZ, DAVID	2,874,342
WINTEMUTE, DAVID MARTIN	2,962,537	XU, RONGXIANG	2,899,147	YOST, RACHEL MICHELLE	2,777,889
WISEMAN, GREGORY AARON	2,810,512	XU, WENFENG	2,971,794	YOULTON, SIMON	2,861,199
WITKAMP, BENOIT	2,859,907	XU, ZHIWEN	2,755,784	YOUNG, JOSHUA K.	2,784,106
WITTHOHN, KLAUS	2,832,376	XUE, TONGTONG	2,987,118	YOUSEF, FAISAL	2,899,487
WITTIG, JAMES	2,960,381	XY, LLC	2,590,191	YU, CHRIS C.	2,789,682
WITTMANN, TOBIAS	2,825,462	YADAV, PAAKHI K.S.	3,036,954	YU, GUO-LIANG	2,901,238
WITTNER, BERND	2,829,141	YAJURE, EDGAR	2,799,518	YU, MINFEI	2,982,486
WIX FILTRATION CORP LLC	2,820,610	YAK, CHEE KEONG	2,829,784	YU, RICHARD HUNG CHIU	2,835,932
WOBHEN PROPERTIES GMBH	2,944,094	YALDIZLI, MURAT	2,861,833	YUAN, QUAN	2,983,183
WOBHEN PROPERTIES GMBH	2,955,122	YALE SECURITY INC.	2,999,444	YUAN, SHAOTANG	2,896,569
WOBHEN PROPERTIES GMBH	2,967,539	YAMADA, KATSUSHIGE	2,864,256	YUEN, BILLY	2,898,286
WOBHEN PROPERTIES GMBH	2,979,510	YAMADA, YASUTAKE	2,809,842	YUI, HAJIME	3,007,326
WOBHEN PROPERTIES GMBH	2,980,972	YAMAHA MOTOR POWER		ZAARBELINK, ANTONIUS	
WOLFE, ANDREW L.	2,789,404	PRODUCTS KABUSHIKI		WILHELMUS	2,942,295
WOLFOVITZ, STEVEN ALAN	2,880,127	KAISHA	2,839,471	ZAKARIJA, LILLIAN G.	2,869,765
WONG, BING LOU	2,849,448	YAMAMOTO, MASAYA	2,931,667	ZAKULA, MIRKO	3,026,121
WOOD, CLINTON A.	2,862,168	YAMAMOTO, YASUKO	2,892,988	ZALA YASHORAJ, YASHORAJ	2,943,728
WOOD, JEFFREY D.	3,032,393	YAMATO SCALE CO., LTD.	2,811,037	ZALESKI, JOSEPH EMIL	2,960,051
WOOD, PAUL D.	2,911,838	YANCEY, DANNY	2,838,668	ZANG, MARCUS	2,997,308
WOODS, CHARLES	2,994,839	YANG, FRANK	2,808,725	ZELAZNY, PAUL	2,850,136
WOODWARD, DAVID		YANG, TIN POH MICHAEL	2,829,784	ZENG, HONGBIN	2,982,486
THOMAS	2,851,176	YANG, YANG	2,975,417	ZENG, KAI	2,958,720
WORFUL, JARED M.	2,831,467	YANG, YUNLAI	2,849,126	ZENG, QINGLIANG	2,975,417
WORONOWICZ, KONRAD	2,871,169	YANOO, AKIHITO	2,977,333	ZENITH OILFIELD	
WORTHEN, RACHEL ANNA	2,859,907	YAO, XIYIN	2,847,360	TECHNOLOGY LIMITED	2,865,831
WORTHINGTON, STEVEN		YARA INTERNATIONAL ASA	2,954,807	ZENON TECHNOLOGY	
JOHN	2,724,755	YARUS, JEFFREY MARC	3,010,531	PARTNERSHIP	2,942,941
WOW TECH CANADA LTD.	2,841,804	YAZVENKO, NINA	2,789,874	ZENZ-OLSON, NATHANIEL	3,008,668
WRIGHT MEDICAL		YE, LIMING	2,802,804	ZERIA PHARMACEUTICAL	
TECHNOLOGY, INC.	2,974,569	YE, LIMING	2,802,806	CO., LTD.	2,901,166
WRIGHT, STEVEN L.		YE, LIMING	2,802,809	ZHANG, GONG	2,982,486
(DECEASED)	2,852,003	YEAGER, DON F.	2,891,251	ZHANG, JIANZHONG	2,811,495
WROBLESKI, STEPHEN T.	2,930,060	YEATMAN, PAUL	2,997,512	ZHANG, LI	2,865,949
WU, HSU-HSIANG	2,995,946	YEDGAR, SAUL	2,834,918	ZHANG, LI	2,982,486
WU, LIZHEN	2,831,015	YEH, RICHARD HSU	2,745,089	ZHANG, QIAN	2,973,746
WU, SHAOLONG	3,010,531	YEH, TZONG IN	3,002,261	ZHANG, TING	2,899,676
WU, XIAOBIN	2,944,361	YELIN, RODRIGO	2,877,145	ZHANG, XIAOFENG	2,983,746
WU, YE	2,866,467	YELLOWJACKET, INC.	2,719,146	ZHANG, YAN	2,802,804
WU, YE	2,974,624	YEO, SE KEN	2,894,815	ZHANG, YANLEI	2,930,060
WU, ZHONGLIN	2,876,816	YERRAMALLI, SRINIVAS	2,915,130	ZHANG, YAOLIN	2,981,722
WUTHRICH, TIMOTHY	2,975,745	YI, EUGENE C.	2,971,794	ZHANG, YAZHOU	2,733,670
WUWER, MATTHIAS	2,900,880	YI, TAO	2,940,634	ZHAO, LIANG	2,866,467
WYETH LLC	2,766,629	YIM, STEPHANIE	2,978,456	ZHEJIANG CHINT ELECTRICS	
WYSS, HEINZ	2,865,851	YIN, FENG	2,831,015	CO., LTD.	2,925,043
XDI HOLDINGS, LLC	3,042,516	YISSUM RESEARCH		ZHENG, WEI	2,820,362
XIA, HUAN	2,853,290	DEVELOPMENT		ZHENG, YURONG	2,979,906
XIA, YU	2,987,118	COMPANY OF THE		ZHEREBIN, PAVEL	
XIAMEN LOTA		HEBREW UNIVERSITY OF		MIKHAILOVICH	2,959,466
INTERNATIONAL CO.,		JERUSAM LTD.	2,834,918	ZHONG, CATHY XIAOYAN	2,784,106
LTD.	2,802,804	YODA, TOMONORI	2,983,379	ZHOU, HANG	2,787,851
XIAMEN LOTA		YOKOYAMA, TADAYUKI	2,755,715	ZHOU, JIANPING	2,802,809
INTERNATIONAL CO.,		YOKOYAMA, TOSHIHARU	2,881,788	ZHOU, JIE	2,755,784
LTD.	2,802,806	YONEMOTO, LUCIO	2,853,290	ZHOU, MINGGUO	2,985,520

**Index of Canadian Patents Issued
March 24, 2020**

ZHOU, YONGXIN	2,678,951
ZHOU, YU	3,026,781
ZHU, CHUANBAO	2,802,804
ZHU, CHUANBAO	2,802,806
ZHU, CHUANBAO	2,802,809
ZHU, PEIYING	2,959,455
ZHU, S. SHERRY	2,861,854
ZHU, XIANSI	2,885,905
ZHU, XIAOCHUN	2,920,933
ZHU, YORK YUANYUAN	2,853,613
ZHU, ZHONGWEN	2,829,047
ZIBENBERG, ALEXANDER	2,910,783
ZIEGENBEIN, TOBIAS	2,979,488
ZIEGENBEIN, TOBIAS	2,979,496
ZIEMANN, DAVID W.	3,033,535
ZIETLOW, PHILIP K.	2,971,629
ZIMMER, INC.	2,887,130
ZIMMERMANN, JOHANN	2,848,584
ZIMMERMANN, JOHN	2,929,503
ZOETIS SERVICES LLC	2,989,176
ZSOLCSAK, VERONICA M.	2,969,219
ZUCK, JAMES C.	2,955,383
ZYHOWSKI, GARY J.	2,886,541
ZYMOGENETICS, INC.	2,971,794

Index of Canadian Applications Open to Public Inspection

March 8, 2020 to March 14, 2020

Index des demandes canadiennes mises à la disponibilité du public

8 mars 2020 au 14 mars 2020

102055301 SASKATCHEWAN LTD.	3,016,973	BODDISON, GREGORY	3,017,014	CHAUVIN, DEWEY	3,053,266
10353744 CANADA LTD.	3,054,877	BODDISON, GREGORY	3,017,016	CHEMTREAT, INC.	3,055,332
1460255 AB LTD.	3,054,879	BODILY, JOSH	3,047,570	CHEN, YULIN	3,054,877
A&L CANADA LABORATORIES INC.	3,017,465	BOMBARDIER TRANSPORTATION GMBH	3,063,387	CHINIARD, RENAUD	3,054,223
ACCENTURE GLOBAL SOLUTIONS LIMITED	3,053,081	BOOTH, DANIEL JAMES	3,017,375	CHOINIÈRE, ERIC	3,017,007
ACSYNAM INC.	3,055,359	BOUSQUET, MICHEL	3,052,695	CHUNG, MIN-CHING	3,031,890
ADAM, MARK	3,057,220	BOUSQUET, MICHEL	3,052,697	CIPRIANI, MARK	3,050,399
ADLMAIER, MARTIN	3,055,099	BOUSQUET, MICHEL	3,052,698	CLARE, ROBERT	3,053,597
AIGNER, LUDWIG	3,017,526	BOUSQUET, MICHEL	3,052,711	CLASSIC BRANDS, LLC	3,055,049
AIR PRODUCTS AND CHEMICALS, INC.	3,054,907	BOUSQUET, MICHEL	3,052,780	CLINE, SCOTT MICHAEL	3,055,361
AIR PRODUCTS AND CHEMICALS, INC.	3,054,908	BOUSQUET, MICHEL	3,052,783	CLOUTIER, JULIA E.	3,017,015
AIRBUS OPERATIONS S.L.	3,053,367	BOUSQUET, MICHEL	3,052,880	CNH INDUSTRIAL CANADA, LTD.	3,050,779
AIRBUS OPERATIONS S.L.	3,054,917	BOUSQUET, MICHEL	3,052,885	COMBS, STEPHEN	3,055,049
AKSOY, OGUZ B.	3,017,471	BOUSQUET, MICHEL	3,052,894	COMCAST CABLE COMMUNICATIONS, LLC	3,052,641
AKTIEBOLAGET SKF	3,052,999	BOUSQUET, MICHEL	3,052,907	CONWAY, JUSTIN	3,017,526
ALFARO, PAUL	3,017,155	BRECHT, SVEN	3,052,923	COOK, ANDREW	3,050,232
AMANOR, DERRICK ALEXANDER KOFI	3,055,141	BRECHT, SVEN	3,052,925	COUTU, DANIEL	3,051,345
AMARAL, FRANCISCO A.	3,017,179	BRECHT, SVEN	3,052,602	COUTURE-GAGNON, VINCENT	3,050,282
ANDERSON, GRAHAM ALLAN	3,017,151	BRENNER, MATS ANDERS	3,054,909	COVIDIEN LP	3,053,020
ANDERSON, ROBERT S.	3,055,066	BRICKWOOD, MICHAEL J.	3,054,850	COVIDIEN LP	3,053,027
ANSARI, OSAMA ASLAM	3,017,287	BRILLOUET, ANNE-SOPHIE	3,017,015	CREEGAN, NEIL PATRICK	3,055,084
APPRAISERS NOW LTD.	3,055,518	BRISEBOIS, WENDY GAYLE	3,053,064	CRONA, BJORN	3,054,517
APPRAISERS NOW LTD.	3,055,520	BRISEBOIS, WENDY GAYLE	3,017,014	CROSS, CHAD DALE	3,055,050
ARHANGELSKIS, MIHAILS ARNDT, JONATHAN	3,054,914	BROCCOLINI, IGNAZIO	3,017,016	CURRAN, JONATHAN ROBERT	3,017,014
ASSOCIATED MATERIALS, LLC	3,053,354	BROKER, JOHN F.	3,050,284	CURRAN, JONATHAN ROBERT	3,017,016
AVIGILON CORPORATION	3,017,375	BROOKS, WILLIAM HAYES JUST	3,053,290	CZARNIK, PAWEL	3,027,087
BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC.	3,055,136	BRUCKBAUER, WILHELM	3,054,865	CZARNIK, SEBASTIAN	3,027,087
BALDWIN, JEFFREY P	3,052,589	CANALEJO BAUTISTA, JUAN MANUEL	3,055,099	D'AGOSTINO, DINO PAUL	3,017,151
BARTLETT, HUBIE M.	3,055,054	CANALES GUTIERREZ, MIRIAM PATRICIA	3,053,367	DAMAZO, JASON S.	3,053,378
BATEMAN, PERRY	3,054,879	CANTEGA TECHNOLOGIES INC.	3,056,508	DAMAZO, JASON S.	3,053,580
BAUER HOCKEY LTD.	3,055,154	CAPITAL ONE SERVICES, LLC	3,017,155	DAVID, JEAN-FRANCOIS	3,054,223
BAUER, RYAN	3,017,186	CAPITAL ONE SERVICES, LLC	3,053,972	DEERE & COMPANY	3,050,948
BEAUCHESNE-MARTEL, PHILIPPE	3,052,432	CAPPOLA, KENNETH M.	3,055,150	DEGOOYER, LONNIE C.	3,052,496
BEDA, THOMAS	3,054,850	CAPUTO, EUGENIO	3,053,027	DEGOOYER, LONNIE C.	3,052,498
BEMIS MANUFACTURING COMPANY	3,054,914	CAPUTO, EUGENIO	3,017,014	DELTA FAUCET COMPANY	3,050,399
BERGHAMMER, JOHN	3,055,043	CARLE, ANGELIQUE LOUISE	3,017,016	DELTA FAUCET COMPANY	3,054,500
BETTCHER, NANCY	3,017,015	CARLE, ANGELIQUE LOUISE	3,017,016	DELTA FAUCET COMPANY	3,054,863
BHADRA, RATNADEEP	3,017,151	CARON KARDOS, JEAN-FREDERIK	3,017,016	DENTON, KACY	3,052,999
BJORKLOF, THOMAS	3,065,047	CAROSELLI, TOMMASO	3,055,154	DEPUTY IRELAND UNLIMITED COMPANY	3,017,179
BOCZKIEWICZ, BRUCE MICHAEL	3,055,084	CATERPILLAR INC.	3,053,852	DEPUY SYNTHES PRODUCTS, INC.	3,054,188
		CATIGAY, SINDY R.	3,055,141	DERVIN, MATHIEU	3,055,354
		CAMORRO ALONSO, FRANCISCO JAVIER	3,017,015	DEWITT, BRANDON	3,047,570
		CHANG, MICHAEL	3,055,154	DEY, CLIFFORD	3,052,602
		CHANG, WEI-CHUNG	3,054,917	DEY, CLIFFORD	3,054,909
		CHARRAT, BERNARD	3,053,064	DICKSON, LISA	3,053,081
			3,031,890	DIEHL AEROSPACE GMBH	3,054,905
			3,055,354	DIPOL PLASTIC TECHNOLOGY SP. Z O.O.	3,027,087

**Index of Canadian Applications Open to Public Inspection
March 8, 2020 to March 14, 2020**

DOUGLAS, LAWRENCE H.	3,053,972	GEOSOURCE ENERGY INC.	3,018,083	HU, TIN-CHEUNG JOHN	3,052,885
DRAGON, STEVE W.	3,017,278	GERDEMAN, SHAWN W.	3,055,048	HU, TIN-CHEUNG JOHN	3,052,894
DUCHARME, MATHIEU	3,055,154	GERMANS BOADA, S.A.	3,049,423	HU, TIN-CHEUNG JOHN	3,052,907
DUNJIC, MILOS	3,017,468	GJRVAS, STEVEN	3,017,215	HU, TIN-CHEUNG JOHN	3,052,923
DUROCHER, ERIC	3,050,967	GJR MEYER SERVICE, INC.	3,055,026	HU, TIN-CHEUNG JOHN	3,052,925
DYER, ROBERT JAMES	3,055,047	GLEESON, BRYAN MICHAEL	3,016,998	HUBER, MIKE	3,055,054
DYNAMIX CORPORATION	3,017,186	GODSAVE, PHIL	3,055,332	HUGEL, ERIK L.	3,055,136
EADS, THAD J.	3,050,399	GOESSLER, SIEGFRIED	3,055,099	HUNTER DOUGLAS	
EADS, THAD J.	3,054,500	GOGOL, JOHN RONALD	3,055,349	INDUSTRIES B.V.	3,054,705
EADS, THAD J.	3,054,863	GONG, YUZHONG	3,017,287	HURST, ANDREW	3,052,933
EASTON DIAMOND SPORTS, LLC	3,053,266	GOTTSCHALK, KEVIN MICHAEL	3,055,332	HUSSAINI, SULAIMAN	3,053,020
ECKER, JEFFREY AARON	3,016,998	GRAHAM, JAMES	3,055,075	HUTCHINSON SEALING SYSTEMS	3,055,044
EDGINTON, TIMOTHY G.	3,017,015	GRAPHMASTERS SA	3,054,847	HUTCHINSON, JAMES M. F.	3,055,062
EDWARDS, JOSHUA	3,055,150	GUELLEC, ANDRE	3,055,044	HUTCHINSON, JAMES M. F.	3,055,066
EHLERS, PETER ROSS	3,055,047	GUILDONE INC.	3,055,075	IMMERZ, ANJA	3,055,099
ELEMENTAL LED, INC.	3,055,101	GUTIERREZ, ANDREA	3,065,047	INTELGENX CORP.	3,017,526
EMERSON ELECTRIC CO.	3,053,290	HALDANE, MARTY	3,055,518	IVM CHEMICALS S.R.L.	3,052,694
ENDURA PRODUCTS, INC.	3,054,706	HALDANE, MARTY	3,055,520	JACOBS, EMILY	3,053,020
ENGELSHOVEN, WOUTER ROBIN	3,054,510	HANSEN, DARRIN M.	3,053,378	JAGGA, ARUN VICTOR	3,017,468
ENGHEBEN, DANIEL	3,055,136	HANSEN, DARRIN M.	3,053,580	JASKIEWICZ, TOMASZ JOHNSON & JOHNSON	3,054,706
EVETTS, KIRSTEN JOAN	3,052,432	HARMAN HRUSHKA, ELIZABETH A.	3,017,525	CONSUMER INC.	3,053,064
FARRELL, IAN	3,054,673	HARMES V, CLYDE S.	3,055,062	JOHNSON, CLAYTON	3,053,972
FEL, LANDRI	3,063,387	HARMES, CLYDE S., V	3,055,066	JOHNSON, MARC R.	3,053,848
FENG, YONG	3,054,877	HARRO HOFLIGER		JOHNSTON, DARREN	3,017,014
FIALKOWSKI, MARK	3,017,126	VERPACKUNGSMASCHI NEN GMBH	3,052,602	JOHNSTON, DARREN	3,017,016
FINNEY, JOHN PATRICK	3,026,371	HARRO HOFLIGER		JUDGE, JACK W.	3,050,399
FLINT, TONY	3,017,459	VERPACKUNGSMASCHI NEN GMBH	3,054,909	KAPLAN, MICK	3,053,266
FOGLIANI, FRANCO	3,052,694	HARTFIEL, ADAM	3,051,683	KAPSCH TRAFFICCOM AG	3,054,517
FORTIN, ANDRE	3,052,695	HATHAWAY, TYLER S.	3,017,179	KE, CHI-SHIANG	3,031,890
FORTIN, ANDRE	3,052,697	HAWLEY, MARK	3,017,459	KENDALL, ADAM	3,054,706
FORTIN, ANDRE	3,052,698	HAWTHORNE, JULIE ELIZABETH	3,017,014	KHONDOKER, MOHAMMAD A.	3,017,169
FORTIN, ANDRE	3,052,711	HAWTHORNE, JULIE ELIZABETH	3,017,016	KIM, THOMAS	3,053,081
FORTIN, ANDRE	3,052,780	HECK, TIMOTHY E.	3,055,054	KIMBELL, KYLE DOUGLAS	3,055,050
FORTIN, ANDRE	3,052,783	HEIBERG, CHRISTOPHER J.	3,049,063	KIMURA KOHKI CO., LTD.	3,052,746
FORTIN, ANDRE	3,052,880	HEISE, SEBASTIAN	3,054,847	KIMURA, KEIICHI	3,052,746
FORTIN, ANDRE	3,052,885	HEISLER, NATALIE	3,053,081	KOFFLER, MARTIN	3,054,905
FORTIN, ANDRE	3,052,894	HELIX MANUFACTURING LTD.	3,017,126	KONOPKA, MAGDA	3,017,465
FORTIN, ANDRE	3,052,907	HENNE, BRIAN A.	3,054,914	KOWALCHUK, TREVOR L.	3,050,779
FORTIN, ANDRE	3,052,923	HEO, HESOO	3,053,081	KREISER, BARRY	3,055,075
FORTIN, ANDRE	3,052,925	HEWITT, LARRY D., II	3,053,848	KULICK, MICHAEL	3,018,519
FORTIN, ANDRE	3,052,925	HIGGINBOTHAM, PAUL	3,054,907	KUO, TSUNG-TIEN	3,031,890
FRASER, ROYDON	3,017,560	HIGGINBOTHAM, PAUL	3,054,908	KURTZ, SCOTT DAVID	3,052,641
FRASER, ROYDON ANDREW	3,055,424	HO, ERIC	3,050,967	KWON, EDDIE	3,053,378
FREER, RICHARD	3,052,695	HO, THANH TAM	3,017,375	KWON, EDDIE	3,053,580
FREER, RICHARD	3,052,697	HODGKINSON, GERALD	3,053,020	LABA, ANDRE SARKIS	3,054,689
FREER, RICHARD	3,052,698	HONEYWELL		LABA, JESSIE JOSEPH	3,054,689
FREER, RICHARD	3,052,711	INTERNATIONAL INC.	3,054,850	LABERGE, MARK	3,055,044
FREER, RICHARD	3,052,780	HORVATH, PETER	3,017,215	LABRIE, RAOUL	3,050,399
FREER, RICHARD	3,052,783	HOULE, NICOLA	3,051,345	LACASSE, JASMIN	3,017,452
FREER, RICHARD	3,052,880	HRUSHKA, GARRY A.	3,017,525	LAKES ENVIRONMENTAL RESEARCH INC.	3,017,560
FREER, RICHARD	3,052,885	HU, TIN-CHEUNG JOHN	3,052,695	LAKES ENVIRONMENTAL RESEARCH INC.	3,055,424
FREER, RICHARD	3,052,894	HU, TIN-CHEUNG JOHN	3,052,697	LANGLOIS, GERALD E., III	3,055,054
FREER, RICHARD	3,052,907	HU, TIN-CHEUNG JOHN	3,052,698	LAPOINTE, ERIK	3,017,186
FREER, RICHARD	3,052,923	HU, TIN-CHEUNG JOHN	3,052,711	LASHURE, DANIEL E.	3,017,179
FREER, RICHARD	3,052,925	HU, TIN-CHEUNG JOHN	3,052,780	LAVOIE, PIERRE J.	3,017,015
FRISI, TOMISLAV	3,055,359	HU, TIN-CHEUNG JOHN	3,052,783	LAZARINI, ALEJANDRA	3,050,399
GANDRATH, DAYAKER	3,055,359	HU, TIN-CHEUNG JOHN	3,052,880	LAZAROVITS, GEORGE	3,017,465
GARCIA GARCIA, AQUILINO	3,054,917			LEBLANC, CHARLES	3,055,349
GARDNER DENVER PETROLEUM PUMPS, LLC	3,055,047			LEE, JOHN JONG SUK	3,016,998
GATTNAR, JURGEN	3,052,602				
GAUGHAN, EDWARD W.	3,052,053				
GEE, MIKE	3,055,075				

**Index des demandes canadiennes mises à la disponibilité du public
8 mars 2020 au 14 mars 2020**

LEMOINE, MICHELLE	3,017,014	MOTUS INTEGRATED		PRATT & WHITNEY CANADA	
LEMOINE, MICHELLE	3,017,016	TECHNOLOGIES	3,055,043	CORP.	3,052,695
LEROUZIC, EDMOND	3,017,155	MULLINS, CHANCE RAY	3,055,047	PRATT & WHITNEY CANADA	
LESAGE, CLAUDE	3,017,167	MULTITECH MEDICAL		CORP.	3,052,697
LESLIE, DANIEL	3,055,054	DEVICES USA LLC	3,028,782	PRATT & WHITNEY CANADA	
LEWIS, JEREMIAH M.	3,017,179	MX TECHNOLOGIES, INC.	3,047,570	CORP.	3,052,698
LIATSIKOS, KONSTANTINOS		NAVARRO, MIGUEL	3,020,401	PRATT & WHITNEY CANADA	
D.	3,017,488	NEFF, INGMAR	3,052,602	CORP.	3,052,711
LIPARI, VINCENT	3,055,136	NEFF, INGMAR	3,054,909	PRATT & WHITNEY CANADA	
LIU, YIBIN	3,017,465	NEWESELY, GERALD	3,063,387	CORP.	3,052,780
LONG, GREGORY JOHN	3,055,084	NEWTONOID		PRATT & WHITNEY CANADA	
LORENZO, JUAN	3,054,188	TECHNOLOGIES, L.L.C.	3,055,573	CORP.	3,052,783
LOZON, MARTIN ALBERT	3,017,151	NGUYEN, PETER	3,017,015	PRATT & WHITNEY CANADA	
LUVISON, MICHAEL	3,053,354	NIFONG, LINDSEY	3,055,049	CORP.	3,052,880
MA, JERRY	3,055,136	NILES, MARTIN S.	3,017,155	PRATT & WHITNEY CANADA	
MACFARLANE, IAN A.	3,050,967	NOBUYOSHI, MORIMOTO	3,016,956	CORP.	3,052,885
MAH, STEPHEN	3,055,056	NOGUEROL VINES, PEDRO	3,054,917	PRATT & WHITNEY CANADA	
MALLIAH, AVINASH	3,017,014	NORDCO INC.	3,055,084	CORP.	3,052,894
MALLIAH, AVINASH	3,017,016	NOVA CHEMICALS		PRATT & WHITNEY CANADA	
MAPPEDIN INC.	3,051,683	CORPORATION	3,053,597	CORP.	3,052,907
MARATHON PETROLEUM		O'MASTA, MARK RANDALL	3,053,378	PRATT & WHITNEY CANADA	
COMPANY LP	3,055,054	O'MASTA, MARK RANDALL	3,053,580	CORP.	3,052,923
MARIMAN, NATHAN A.	3,050,948	O'NEIL, VIRGIL	3,055,526	PRATT & WHITNEY CANADA	
MARLATT, SHAUN P.	3,017,375	OBEID, RODOLPHE	3,017,526	CORP.	3,052,925
MARRETT, JOSEPH M.	3,055,359	ODOBETSKIY, KYRYLL	3,016,998	PRATT & WHITNEY CANADA	
MARTIN, RANDALL WALTON	3,017,151	OLDCASTLE PRECAST, INC.	3,055,349	CORP.	3,054,673
MATSUO, NOBUFUMI	3,055,147	OROLOGIO, FURIO JOHN	3,017,292	PRATT & WHITNEY CANADA	
MATSUURA, DAVID	3,055,361	OSKOTSKY, MARK L.	3,055,136	CORP.	3,055,056
MATTHEW, GEORGINA	3,013,877	PAIEMENT, NADINE	3,017,526	PRATTEN, A. WARREN	3,017,151
MCCBRIDE, RYAN	3,047,570	PALUMBO, MICHAEL	3,017,186	PROGRESSIVE IP LIMITED	3,055,323
MCCALDON, KIAN	3,052,695	PARK, PHIL	3,055,044	PTACEK, PAVEL	3,054,850
MCCALDON, KIAN	3,052,697	PARKER, DENNIS HAROLD	3,017,014	QUESADA BARBERO, JUAN	
MCCALDON, KIAN	3,052,698	PARKER, DENNIS HAROLD	3,017,016	ANTONIO	3,049,423
MCCALDON, KIAN	3,052,711	PARSA, RAMINE	3,053,064	RATIER-FIGEAC SAS	3,053,374
MCCALDON, KIAN	3,052,780	PATTERSON, GREG	3,017,465	RAYMAKERS, PATRICK J.	3,054,914
MCCALDON, KIAN	3,052,783	PAYNE, DEREK MURRAY	3,017,014	REDEKER, BRYAN A.	3,053,848
MCCALDON, KIAN	3,052,880	PAYNE, DEREK MURRAY	3,017,016	REDI-LITE PTY LTD	3,017,459
MCCALDON, KIAN	3,052,885	PELLICCI, GIADA	3,052,694	REITSMA, STANLEY	3,018,083
MCCALDON, KIAN	3,052,894	PELUSO, ROBERT	3,055,056	RELIANCE CONTROLS	
MCCALDON, KIAN	3,052,907	PENNINGER, CHARLES L.	3,017,179	CORPORATION	3,052,589
MCCALDON, KIAN	3,052,923	PETERSON, JAMES R.	3,050,948	RELIANCE WORLDWIDE	
MCCALDON, KIAN	3,052,925	PETERSON, JEREMY T.	3,055,141	CORPORATION	3,055,526
MCCRAE, JAMES KENNETH	3,017,151	PHILLIPS, SHELLEY	3,054,911	RENTZ, MARCEL	3,052,602
MCKIM, NOEL	3,055,026	PIETROBON, JOHN	3,050,967	REVEN, SHAWN C.	3,055,136
MCPHEE, ADAM DOUGLAS	3,016,998	PITCHER, MATTHEW ALLAN	3,017,014	RICHTER, MARTIN	3,054,905
MEVES, DONALD C.	3,055,361	PITCHER, MATTHEW ALLAN	3,017,016	RIEBEN, PATRICK	3,054,211
MEYER, RANDY S.	3,055,026	PLANTE, GHISLAIN	3,050,282	ROAT, KENNETH MARVIN	3,055,141
MICHAEL, JOHANNA	3,017,526	PLANTE, GHISLAIN	3,055,056	ROGERS, ROBIN D.	3,055,359
MICK, PATRICK	3,017,069	PLOEGER, JASON MICHAEL	3,054,908	ROGOSCHEWSKY, STEVEN	3,016,973
MICKWICK, LLC	3,017,069	POLLARD BANKNOTE		ROLLS-ROYCE	
MINHAS, RAHUL	3,017,007	LIMITED	3,017,015	CORPORATION	3,052,933
MIRZADEH, AMIN	3,053,597	POMPLUN, BRIAN	3,054,914	ROLLS-ROYCE PLC	3,052,933
MOEBIUS, JACOB A.	3,055,361	POST, RAYMOND M.	3,055,332	ROPER, CHRISTOPHER	
MOHAMMADIAN ABKENAR,		POTTER, WILLIAM JOHN	3,052,053	STEPHEN	3,053,378
SEYED MOJTABA SMMA	3,016,982	PRATT & WHITNEY CANADA		ROPER, CHRISTOPHER	
MOHAMMADIAN ABKENAR,		CORP.	3,050,282	STEPHEN	3,053,580
SEYED MOJTABA SMMA	3,016,983	PRATT & WHITNEY CANADA		ROSKO, MICHAEL S.	3,050,399
MOKHTAR, HYTHAM	3,050,284	CORP.	3,050,284	ROSKO, MICHAEL SCOT	3,054,500
MONTGOMERY, IAN	3,053,266	PRATT & WHITNEY CANADA		ROSKO, MICHAEL SCOT	3,054,863
MORA MENDIAS, MARIA	3,054,917	CORP.	3,050,967	RUSSO, MICHAEL J., JR.	3,055,136
MORGAN, KEITH	3,050,282	PRATT & WHITNEY CANADA		SAF-HOLLAND, INC.	3,053,848
MORGAN, KEITH	3,055,056	CORP.	3,051,345	SAMEOTO, DAN	3,017,169
MOSMATIC AG	3,054,211	PRATT & WHITNEY CANADA		SANTORO, DANIEL	3,054,211
MOSSOBA, MICHAEL	3,055,150	CORP.	3,052,432	SASSOMECCANICA S.P.A.	3,053,852

**Index of Canadian Applications Open to Public Inspection
March 8, 2020 to March 14, 2020**

SCHLIMGEN, RONALD J.	3,055,048	THE TORONTO-DOMINION		WIGINTON, CAMERON	
SCHLUTER SYSTEMS		BANK	3,017,215	SCOTT	3,017,016
(CANADA) INC.	3,052,496	THE TORONTO-DOMINION		WILHELM, JAMES	3,055,054
SCHLUTER SYSTEMS		BANK	3,017,468	WOJNAR, NICHOLAS	
(CANADA) INC.	3,052,498	THE TORONTO-DOMINION		EDWARD	3,055,084
SCHMID, FRANK	3,054,905	BANK	3,020,401	WONDERLAND	
SCHOFIELD, KELLY	3,049,063	THE, JESSE	3,055,424	SWITZERLAND AG	3,055,062
SCHUBERT, RANDALL COLIN	3,053,378	THE, JESSE L.	3,017,560	WONDERLAND	
SCHUBERT, RANDALL COLIN	3,053,580	THERATIL, IGNATIUS	3,051,345	SWITZERLAND AG	3,055,066
SCHULZ-JANDER, DANIEL	3,053,020	TING, WING NAM	3,017,287	WONG, ALEX ROBERT	3,053,081
SCOSCHE INDUSTRIES, INC.	3,018,519	TITI, HATEM	3,055,359	YAMAMOTO, YASUHIRO	3,044,887
SCOSCHE INDUSTRIES, INC.	3,044,887	TODD, JOHN JOSEPH	3,055,043	YANG, DAVID J.	3,031,890
SEECURE TAIWAN CO., LTD.	3,031,890	TOPOROWSKI, BARTON	3,054,879	YANG, SHUH-TSAI	3,028,782
SHANG, HANYANG	3,054,877	TROIANI, VINCENT F.	3,052,053	YEATS, KEITH	3,017,155
SHARP, RODNEY WARWICK	3,055,323	TS MEDICAL LLC	3,055,361	YOKOTA, DICK	3,017,155
SHARPE, CARL	3,053,081	TSUKAYAMA, CRAIG S.	3,017,179	YOUN, SUNGWON	3,053,081
SHIN, KWANG JAE	3,055,147	TUCZAI, HERBERT	3,063,387	ZEINALOV, JAMAL	3,050,967
SHIOJI, MASAKI	3,052,746	TURBO DRILL INDUSTRIES,		ZELENT, VERNON	3,050,955
SKYWORKS GLOBAL PTE.		INC.	3,057,220	ZERBE, HORST	3,017,526
LTD.	3,055,147	TZIMPOULAS, ANTONIOS E.	3,017,488	ZHANG, YUELI	3,055,136
SLEIMAN, BUCK	3,054,689	UNKNOWN	3,017,295	ZHOU, JIHUA J.	3,017,295
SLEIMAN, TONY	3,054,689	UNKNOWN	3,024,026	ZHOU, JING YUAN J.	3,017,295
SMIT, SHANE	3,047,570	UNKNOWN	3,024,037	ZHOU, LIANHUI	3,024,026
SMORACY, LLC	3,055,050	UNKNOWN	3,024,041	ZHOU, LIANHUI	3,024,031
SNOW, CHRISTOPHER	3,053,081	UNVERFERTH		ZHOU, LIANHUI	3,024,037
SNYDER, KARL DAVID	3,055,043	MANUFACTURING		ZHOU, LIANHUI	3,024,041
SOLFISH POISSONS ET		COMPANY, INC.	3,055,048		
FRUITS DE MER INC.	3,056,508	UPM-KYMMENE			
SOLTZ, MICHAEL	3,053,020	CORPORATION	3,065,047		
ST-LAURENT, FREDERIC	3,053,266	URANO, KATSUHIRO	3,052,746		
STACK, LOUIS JOHN	3,055,361	VALERIO, MICHAEL D.	3,055,141		
STAHL, WENDELL DEAN	3,055,141	VALOIS, PATRICK	3,055,056		
STANFORD, CURTIS	3,055,075	VAN ARRAGON, TREVOR			
STATON, FIELDING B.	3,055,573	JAMES	3,017,014		
STILKE, MORGAN A.	3,053,378	VAN ARRAGON, TREVOR			
STILKE, MORGAN A.	3,053,580	JAMES	3,017,016		
STOKES, EMILY KATHRYN	3,055,361	VAN DER WOLK, PHILIP	3,017,173		
STRUMPF, DAVID	3,055,573	VAN MILL, MICHAEL D.	3,055,048		
SUTTER, LEVI	3,020,401	VAN REES, PIETER	3,054,705		
TANG, POI LOON	3,052,432	VERMANDE, FREDERIC M.	3,053,374		
TANGUILEG, OLIVIA M.	3,055,101	VEROS, MICHAEL J.	3,050,399		
TARKINGTON, MARY ANNE	3,055,361	VITALE, MARCELLO	3,052,694		
TAX, DAVID SAMUEL	3,017,468	VOKHMIN, PETER A.	3,017,188		
TAYLOR, BRETT C.	3,017,015	WAKIM, MATTA	3,016,998		
TAYLOR, EUGENE	3,017,306	WALLIS, JODIE K.	3,053,081		
TELESAT CANADA	3,017,007	WALSH, STAR MARIE	3,053,064		
TEMPLIN, DAVE B.	3,052,999	WALSTON, JEFFREY A.	3,052,933		
TENTLER, ANTHONY J.	3,050,399	WANG TSAI, CHIN-CHIH	3,050,879		
THALES	3,054,223	WANG, KERI	3,017,465		
THALES	3,055,354	WARLICK, JOHN F.	3,026,371		
THE BOEING COMPANY	3,049,063	WATTIS, KRISTINE S.	3,017,015		
THE BOEING COMPANY	3,053,378	WE DESIGN BEHEER B.V.	3,054,510		
THE BOEING COMPANY	3,053,580	WEISS, JOHN	3,028,782		
THE GOVERNORS OF THE		WEPPLER, RHONDA BRENDA	3,017,014		
UNIVERSITY OF		WEPPLER, RHONDA BRENDA	3,017,016		
ALBERTA	3,017,169	WESTINGHOUSE AIR BRAKE			
THE TORONTO-DOMINION		TECHNOLOGIES			
BANK	3,016,998	CORPORATION	3,052,053		
THE TORONTO-DOMINION		WHITE, VINCENT	3,054,907		
BANK	3,017,014	WHITE, VINCENT	3,054,908		
THE TORONTO-DOMINION		WHITEE, PHILLIP G.	3,017,179		
BANK	3,017,016	WIGINTON, CAMERON			
THE TORONTO-DOMINION		SCOTT	3,017,014		
BANK	3,017,151				

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

3M INNOVATIVE PROPERTIES COMPANY	3,074,408	AMAZON TECHNOLOGIES, INC.	3,074,841	BABARIYA, DHRUTI ASHOKBHAI	3,074,689
3M INNOVATIVE PROPERTIES COMPANY	3,074,583	AMAZONEN-WERKE H. DREYER G.M.B.H. & CO. KG	3,074,644	BACKMAN, JOSHUA	3,074,682
89BIO LTD.	3,074,380	AMBLER, JACK R.	3,074,878	BAHL, MICHAEL	3,074,540
9337-4791 QUEBEC, INC.	3,074,937	AMICUS THERAPEUTICS, INC.	3,074,450	BAI, CHUANSHENG	3,075,018
ABBVIE OVERSEAS S.A.R.L.	3,074,945	AMIDEI, SIMONE	3,074,392	BAIOCCHI, ROBERT	3,074,516
ABE, NAOMI	3,074,418	ANDEWEG, SEM	3,074,585	BAK, ANNETTE	3,074,565
ABEDINI, NAVID	3,074,471	ANDRESEN, THOMAS	3,074,826	BAKER HUGHES, A GE COMPANY, LLC	3,074,562
ABEYGUNAWARDANA, CHITRANANDA	3,074,703	ANDRESEN, THOMAS	3,075,027	BALL CORPORATION	3,074,430
ABEYGUNAWARDANA, CHITRANANDA	3,074,706	ANG, PETER PUI LOK	3,074,605	BALLAN, EYAL	3,074,819
ABEYGUNAWARDANA, CHITRANANDA	3,074,708	ANLVR, LLC	3,074,696	BAN, HITOSHI	3,074,981
ABEYGUNAWARDANA, CHITRANANDA	3,074,711	ANSETH, JAY WILLIAM	3,074,728	BANDAPALLE, SAMATHA	3,074,448
ABIOGEN PHARMA S.P.A.	3,074,893	ANTEBI, YEHONATAN	3,074,673	BANERJEE, MOUMITA	3,074,643
ABRAHAM, EYTAN	3,074,448	ANTHONY, GENY	3,074,617	BAO, CHUNHUI	3,074,903
ABRAHAM, WILLIAM	3,074,859	AO, ZIHUA	3,074,769	BAOSTEEL TAILORED BLANKS GMBH	3,074,362
ABUMRAD, NAJI	3,074,736	AOSHIMA KENTO	3,074,968	BARRON ASSOCIATES, INC.	3,074,729
ACCURIDE INTERNATIONAL INC.	3,074,432	APEXK INC.	3,074,608	BARRON, KATIE S.	3,074,834
ACELL INDUSTRIES LIMITED	3,074,662	ARCHER, RILEY	3,074,687	BARTH, JAY	3,074,450
ADACHI, YU	3,074,581	ARMACANQUI, M. EDGAR	3,074,866	BARTLEY, STUART L.	3,074,434
ADAMS, THOMAS M.	3,074,429	ARMSTRONG WORLD INDUSTRIES, INC.	3,074,468	BASF CORPORATION	3,074,818
ADAPTIVE PHAGE THERAPEUTICS, INC.	3,074,655	ARYSTA LIFESCIENCE INC.	3,074,561	BASF SE	3,074,401
ADDINGTON, OTIS C.	3,075,023	ASCOUGH, SEAN	3,074,943	BASF SE	3,074,590
ADRIAEN, PEPIJN	3,074,862	ASCOUGH, TOM	3,074,943	BASF SE	3,074,592
AGRAWAL, VISHAL	3,074,707	ASHITAKA, KEIJI	3,074,410	BASF SE	3,074,650
AHMED, GULAM	3,074,859	ASTON UNIVERSITY	3,074,894	BASU, ARPAN	3,074,407
AI, ALAN	3,074,702	ATARA BIOTHERAPEUTICS, INC.	3,074,516	BATTELLE MEMORIAL INSTITUTE	3,074,999
AIETA, FRANCESCO	3,074,726	ATARASHI, KOJI	3,074,406	BAUCKE, GUIDO	3,074,521
AKAMATSU, YOSUKE	3,074,822	ATC TECHNOLOGIES, LLC	3,074,504	BAUCKE, GUIDO	3,074,523
AL-YAMI, ABDULLAH	3,074,465	ATHENEX HK INNOVATIVE LIMITED	3,074,831	BAUZON, MAXINE	3,074,678
AL-YAMI, ABDULLAH	3,074,489	ATKINS, ARIEL	3,074,463	BAXTER, ROBERT F.	3,074,727
AL-YAMI, ABDULLAH	3,074,499	ATO, MANABU	3,074,581	BAYER ANIMAL HEALTH GMBH	3,074,620
ALASTALO, KAUNO	3,074,849	ATOSSA THERAPEUTICS, INC.	3,074,595	BAYER CONSUMER CARE AG	3,074,890
ALAUDDIN, SAMMEL SHAHRIER	3,074,692	ATTO, ZAID	3,074,597	BAYER PHARMA AKTIENGESELLSCHAFT	3,074,890
ALBERT, BRIAN D.	3,074,603	AUERBACH, DITZA	3,074,680	BECHERER, MARKUS	3,074,533
ALBERTELLI, ALDINO	3,074,662	AUGUSTA UNIVERSITY RESEARCH INSTITUTE, INC.	3,074,641	BECHTEL MINING & METALS, INC.	3,074,727
ALBERTI, FABRIZIO	3,074,953	AUGUSTA UNIVERSITY RESEARCH INSTITUTE, INC.	3,074,647	BECKMAN COULTER, INC.	3,075,022
ALEXANDER, PETER	3,074,665	AUSTIN, KENIAN E.	3,075,037	BEHRENS, NICOLE	3,074,405
ALHELAL, ABDULAZIZ	3,074,465	AVIOVISION	3,074,892	BEISER, MARC	3,074,540
ALHELAL, ABDULAZIZ	3,074,489	AVL LIST GMBH	3,074,782	BEISSERT, TIM	3,074,919
ALHELAL, ABDULAZIZ	3,074,499	AWOIS, LLC	3,074,498	BELGRADER, PHILLIP	3,074,929
ALLERGAN, INC.	3,074,618	AYAKAR, SONAL R.	3,074,748	BELL, JEREMY	3,074,622
ALSAIHATI, ZAINAB	3,074,465	AZITRA INC	3,074,823	BELL, SAMUEL A.	3,074,462
ALSAIHATI, ZAINAB	3,074,489	AZARN GIMENO, ELENA	3,074,815	BEN DAVID, HAVA	3,074,406
ALSAIHATI, ZAINAB	3,074,499	BAAIJENS, FRANK	3,074,536	BENINCA, MIRIAM RAFAELA	3,074,601
ALSTER, YAIR	3,074,693	BABAEI, ALIREZA	3,074,691	BENNISON, CORRIE JO	3,074,810
ALTENBACH, ROBERT J.	3,074,945			BENTON, DAVID	3,074,894
ALTOR BIOSCIENCE LLC	3,074,635			BERGEMANN, CONSTANTIN	3,074,399
ALTSTADT, DAVID	3,074,835			BERGMAN, ARAN	3,074,501

Index of PCT Applications Entering the National Phase

BETHUNE-WADDELL, MAXIMILIEN F.	3,074,493	BROMBACH, JOHANNES	3,064,028	CARTER, BENJAMIN MICHAEL	3,074,593
BEYER, NIGEL	3,074,569	BROUCHIER, JULIEN	3,074,656	CARTER, MICHAEL SIBLEY	3,074,834
BIAN, SHAN	3,074,901	BROWN, CLYM	3,074,665	CASE WESTERN RESERVE UNIVERSITY	3,074,462
BIEHL, MARTIN	3,074,895	BRUCE, JOSEPH R.	3,074,999	CASILLI, CHRIS	3,075,017
BIEN, DANIEL	3,074,704	BRUCE, LARS	3,074,987	CASTELLI, JEFF	3,074,450
BIOARDIS LLC	3,074,885	BRUMBELOW, JULIE B.	3,074,735	CATERPILLAR INC.	3,075,026
BIOGEN INC.	3,074,923	BRUNS, ELIZABETH JO	3,074,494	CAUGHEY, BYRON WINSLOW	3,074,914
BIOMX LTD.	3,074,406	BRUNSON, MICHAEL A	3,074,867	CECCALDI, RAPHAEL	3,074,985
BIONTECH CELL & GENE THERAPIES GMBH	3,074,919	BRUSKE, JOHANNES	3,074,578	CECIL, CAMERON	3,074,880
BIONTECH SE	3,074,611	BUCHANAN, PETER J. (DECEASED)	3,074,677	CELL SCIENCE HOLDING LTD	3,062,246
BIRKELAND, PETTER	3,074,648	BUCKLEY, STEPHEN	3,064,953	CELLPHIRE, INC.	3,074,712
BISH, DANIEL	3,074,651	BUDAI, PETER	3,074,602	CELSEE DIAGNOSTICS, INC.	3,074,461
BIT GROUP FRANCE	3,074,949	BUETTNER, KLAUS	3,074,895	CENTRE DE RECHERCHES METALLURGIQUES ASBL	
BITTER, MARCUS	3,075,026	BUI, HUYNH-HOA	3,074,739	- CENTRUM VOOR RESEARCH IN	
BITTON, CHARLY	3,074,874	BULAT, GHENADIE	3,074,783	DEETALLURGIE VZW	3,074,862
BLAINE, FREDRICK ALLAN	3,074,753	BULL, STEPHEN	3,074,728	CENTRE NATIONAL DE LA RECHERCHE	
BLAKEWAY, BEN STANLEY DOUGLAS	3,074,753	BUNDESREPUBLIK DEUTSCHLAND, VERTRETEN DURCH DIE		SCIENTIFIQUE - CNRS -	3,074,933
BLASKO, JOHN	3,074,707	BUNDESMINISTERIN FUR WTSCHAFT UND		CEZANNE, JUERGEN	3,074,471
BLATTNER, FREDERICK R.	3,074,718	ENERGIE, DIESE		CHA, JANG-HO	3,074,416
BLUEMARINE OFFSHORE YARD SERVICE B.V.	3,074,420	VERTRETEN DURCH DEN PRASIDENTEN DER		CHADDERTON, NAOMI	3,074,398
BLUEVALLEY PHARMACEUTICAL LLC	3,074,719	BUNDESATALT FUR MATERIALFORSCHUNG -		CHAMORRO, ANDRES	3,074,880
BLUM, STEVEN C.	3,074,469	UND PRUFUNG (BAM)	3,074,622	CHANDAK, SWAPNIL B.	3,074,827
BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM	3,074,944	BURGGRAAF, WOUTER NICOLAAS ANDRIES	3,074,911	CHANG, GREGORY P.	3,074,840
BODENSTEIN, THOMAS	3,074,401	BURNS, LOUIS F.	3,075,018	CHANTEUX, STEPHANIE	3,074,588
BOGDAN, ANDREW	3,074,945	BUSKER, KAI	3,074,576	CHAPARRO GARCIA, ANGELA	3,074,946
BOHINC, TATJANA	3,064,953	BUSNEL, JEAN MARC	3,075,022	CHAPARRO GARCIA, ANGELA	3,074,948
BOND, BRIAN M.	3,074,500	BUSONI, MAURIZIO	3,074,660	CHAPARRO, RODOLFO J.	3,074,839
BONFOEY, DAVID J.	3,074,430	BUTERA, JOHN C.	3,071,716	CHARKHANDEH, SHOURESH	3,074,409
BONIFACE, BRIAN	3,074,461	BUTLER, HOLLY JEAN	3,074,617	CHART ENERGY & CHEMICALS, INC.	3,074,908
BOREALIS AG	3,074,849	BUTTENHOFF, ALAN	3,074,735	CHASE, JORDAN	3,074,740
BORNSCHLEGL, ALEXANDER	3,074,405	BYFIELD, GEOFFREY BRIAN	3,074,747	CHATTERTON, PENNY M.	3,074,754
BORREBAECK, CARL A. K.	3,074,791	CAC SHANGHAI INTERNATIONAL		CHEN, CHAOJI	3,074,600
BORSE, NITIN	3,074,827	TRADING CO., LTD.	3,074,759	CHEN, JIANLE	3,074,701
BOSMANS, GEERTRUI	3,074,658	CACOPARDO, JOEL	3,074,522	CHEN, JIANLE	3,074,931
BOTH, CHRISTIAN	3,074,362	CAI, CHARLIE	3,074,500	CHEN, JIANXIA	3,074,424
BOTMAN, MAARTEN JOANNES	3,074,573	CALANCA, ALEX	3,074,953	CHEN, JUNHUA	3,074,804
BOWEN, ADAM	3,074,463	CALANCA, ALEX	3,074,954	CHEN, MAOLIN	3,074,752
BOWLING, MARK G.	3,074,906	CALBACT AG	3,074,627	CHEN, MAOLIN	3,074,756
BOYE, SANFORD L.	3,074,466	CALVINO, ALEXANDER J.	3,074,500	CHEN, MAOLIN	3,074,757
BOYE, SHANNON E.	3,074,466	CAMPBELL, CATHERINE MACKENZIE	3,074,597	CHEN, WANSHI	3,074,646
BRACH, DOROTHY	3,074,720	CAMPBELL, MARK	3,074,598	CHEN, YAN	3,074,755
BRAMAUD DU BOUCHERON, ALIX	3,074,561	CAMPOS-GONZALEZ, ROBERTO	3,074,495	CHEN, YI-WEN	3,074,701
BRANDI-LOZANO, JUAN M.	3,074,999	CANNABICS PHARMACEUTICALS		CHEN, ZHIHAO	3,075,001
BRANDON, JOHN	3,074,718	INC.	3,074,819	CHENG, SHAN	3,074,841
BRANDON, MARK PHILLIP	3,074,601	CAO, XIAODAN	3,074,755	CHEUNG, ANN F.	3,074,840
BRAY, MARK R.	3,074,876	CAO, ZHENZHEN	3,074,514	CHEVRIER, CARINE	3,074,891
BREATHVISION LTD.	3,074,680	CAPLETTE, STEPHANE	3,074,889	CHEVRON JAPAN LTD	3,074,817
BRENNEIS, CHRISTIAN	3,074,483	CAREFUSION 303, INC.	3,074,832	CHIEN, WEI-JUNG	3,074,701
BREWER, DAMIEN	3,074,728	CAROGUSTO AG	3,074,766	CHIN, SEAN	3,074,464
BRIESE, WILLIAM A.	3,074,731	CAROLLO ENGINEERS, INC.	3,074,480	CHINA PETROLEUM & CHEMICAL	
BRIJS, KRISTOF	3,074,658	CAROLUS, KYLE S.	3,074,659	CORPORATION	3,074,616
BROADBENT, JOHN ALLEN	3,074,986	CARREON, OSCAR	3,074,623	CHOI, HYUNSIC	3,074,718
BROCK, MATTHIAS	3,074,802			CHONG, YIN-SHING	3,074,522
BROCKMANN, MARC ALEXANDER	3,074,338			CHOUDHRY, MODASSIR S.	3,074,872
				CHOW, WILLIAM	3,074,461

Index des demandes PCT entrant en phase nationale

CHOWDHURY, REAZ	3,074,848	CUI, YADONG ADAM	3,074,708	DEY, SANJEEV KUMAR	3,074,610
CHR. HANSEN NATURAL COLORS A/S	3,074,784	CUI, YADONG ADAM	3,074,711	DEY, SANJEEV KUMAR	3,074,613
CHRISTANDL, DIETER	3,074,348	CYNATA THERAPEUTICS LIMITED	3,074,470	DEY, SANJEEV KUMAR	3,074,713
CHRISTANDL, JOSEF	3,074,348	D'ANDREA, ALAN	3,074,985	DEY, SANJEEV KUMAR	3,074,738
CHU, LIN	3,074,565	D'ANGELO, ROBERTO	3,074,580	DEY, SANJEEV KUMAR	3,074,934
CICEK, SERAY	3,074,597	D'ELIA, GREGORY	3,074,741	DEY, SANJEEV KUMAR	3,074,938
CIDON, ISRAEL	3,074,501	DA SILVA FERROLHO MENDES, TIAGO RAFAEL	3,074,991	DIBAS, MOHAMMED	3,074,618
CITRIX SYSTEMS, INC.	3,074,452	DA SILVA FERROLHO MENDES, TIAGO RAFAEL	3,074,994	DIEBOLDER, ROLF	3,074,525
CITRIX SYSTEMS, INC.	3,074,656	DABACH, SHARON	3,074,653	DIEHL, HELGI	3,074,403
CITRIX SYSTEMS, INC.	3,074,825	DADACHOVA, EKATERINA	3,074,715	DIETRICH, ARMIN	3,074,521
CIVIN, CURT	3,074,495	DAGONDON, SCOTT DICKSON	3,074,937	DIETRICH, ARMIN	3,074,523
CIZEK, CHRISTIAN	3,074,510	DAHLKE, FRANK	3,074,416	DILBERT, CHEVIS	3,074,597
CLAEREBOUT, BO	3,074,797	DAI, LISHUN	3,074,616	DILGARD, TIMOTHY	3,074,518
CLAERHOUT, MIKE	3,074,488	DAICEL CORPORATION	3,074,967	DINAN, ESMAEL	3,074,691
CLANCY, KAYLA	3,074,510	DAINICHISEIKA COLOR & CHEMICALS MFG. CO., LTD.	3,074,674	DING, JIUDONG	3,074,761
CLARE, DAVID STEPHEN	3,074,503	DAKOTA BIOTECH, LLC	3,064,953	DINI, LAURA	3,074,893
CLARK EQUIPMENT COMPANY	3,074,835	DALI, MENI	3,074,874	DITULLIO, DANIEL DALE JR.	3,074,713
CLARK, BRIAN R.	3,074,729	DANA-FARBER CANCER INSTITUTE, INC.	3,074,459	DITULLIO, DANIEL DALE, JR.	3,074,513
CLARK, GARY	3,074,687	DANA-FARBER CANCER INSTITUTE, INC.	3,074,985	DITULLIO, DANIEL DALE, JR.	3,074,515
CLARKE, MATT	3,074,693	DANG, ZHENG	3,074,804	DITULLIO, DANIEL DALE, JR.	3,074,610
CLAYTON, MATT	3,074,569	DANIELS, RALPH G.	3,074,498	DITULLIO, DANIEL DALE, JR.	3,074,938
CLAYTON, MATT	3,074,571	DAR, CHEN	3,074,501	DOANE, JAMES	3,074,562
CLAYTON, MATT	3,074,572	DARJI, RUPA HIREMATH	3,074,590	DONDALSKA, ALEKSANDRA MARIA	3,074,634
CLAYTON, MATT	3,074,574	DARJI, RUPA HIREMATH	3,074,592	DONG, MING	3,074,616
CLAYTON, MATT	3,074,575	DARRAH, JOHN	3,074,509	DONG, YUNLONG	3,074,761
CLAYTON, MATTHEW	3,074,568	DAS, SHITAL	3,074,849	DONST, DMITRI	3,074,795
CLEMENT, ERIC J.	3,074,429	DAUGHERTY, KRISTIN	3,064,953	DOROK, RALF	3,074,888
COHEN, RON	3,074,673	DAY, GRAHAM JOHN	3,074,593	DOROK, RALF	3,074,888
COLLIAR, GAVIN	3,074,947	DCUNHA, AUBREY S.	3,074,824	DOUGLAS, MICHAEL JAMES	3,074,503
COLLINS, STUART E.	3,074,427	DE CLERCQ, DRIES	3,074,459	DOUGLASS, ANTHONY	3,074,742
COMBS, STANLEY C.	3,074,681	DE JESUS ESTIMA, JOSE MIGUEL	3,074,991	DOW AGROSCIENCES LLC	3,074,617
CONGER, ROBERT	3,074,830	DE JESUS ESTIMA, JOSE MIGUEL	3,074,994	DOW GLOBAL TECHNOLOGIES LLC	3,074,717
CONGER, ROBERT	3,074,844	DE JUAN, EUGENE, JR.	3,074,693	DRAGO, PATRICK	3,074,930
CONNOLLY, JOHN	3,074,461	DE MALSCHÉ, WIM	3,074,797	DRAGONFLY THERAPEUTICS, INC.	3,074,840
CONNOR, SCOTT	3,074,702	DE MUNCK, WIM	3,074,892	DREAMWELL, LTD.	3,074,456
CONSORCIO CENTRO DE INVESTIGACION BIOMEDICA EN RED, M.P.	3,074,815	DE RICK, JAN	3,074,584	DREAMWELL, LTD.	3,074,479
CONSTELLIUM ISSOIRE	3,074,942	DE TABOADA, LUIS	3,074,458	DRESSEL, STEFAN	3,074,521
CONTAG, CHRISTOPHER H.	3,074,678	DE WINNE, TOM	3,074,892	DRESSEL, STEFAN	3,074,523
COOPER, ANDREW DAVID	3,074,656	DEELSTRA, JENTJE	3,074,877	DRIESSEN-MOL, ANITA	3,074,536
COOPER, RICHARD JAMES	3,074,656	DEGUDENT GMBH	3,074,525	DROBE, BJORN	3,074,626
COOPERGENOMICS, INC.	3,074,689	DELCOUR, JAN	3,074,658	DROZ, PIERRE-YVES	3,074,699
CORBERAN ROC, ROSA	3,074,771	DELINT, ROSALIA CUAHTECONTZI	3,074,593	DRYLOCK TECHNOLOGIES NV	3,074,884
CORNEJO, CHRISTIAN	3,074,741	DELLER, ROBERT CHRISTOPHER	3,074,593	DSM IP ASSETS B.V.	3,074,540
CORNELIUS, LEANNA	3,074,500	DENG, JUN	3,074,812	DU, XIN	3,074,651
CORONADO MIRALLES, EUGENIO	3,074,913	DENTSPLY SIRONA INC.	3,074,525	DUBRIDGE, ROBERT B.	3,075,034
COURINGTON, JEFFREY	3,074,707	DERYCKE, TOM	3,074,884	DUC, TUAT PHAM	3,074,925
COUTY, SYLVAIN	3,074,945	DESAI, MEET	3,074,694	DUCOTE, JR., DOUGLAS A.	3,074,908
COVIDIEN LP	3,074,443	DESROY, NICOLAS	3,074,945	DUMOULIN, OLIVIER	3,075,028
COVIDIEN LP	3,074,685	DEVLIN, ROBERT	3,074,566	DUNN, RONALD J.	3,074,601
COVIDIEN LP	3,074,880	DEWALD, PAUL	3,074,863	DUONG, ANTHONY DAVID	3,074,810
CR DEVELOPMENT AB	3,074,649	DEY, SANJEEV KUMAR	3,074,513	DUTTA, RAMEN SOMIT	3,074,937
CROGGON, JAMIE	3,074,503	DEY, SANJEEV KUMAR	3,074,515	DVORAK, PETR	3,066,286
CROSBY, JEFFREY R.	3,074,739	DEY, SANJEEV KUMAR	3,074,515	DYRUD, LARS	3,074,505
CROWE, DONALD RAYMOND	3,074,866			DZHANFEZOVA, TSANETA	3,074,784
CUE BIOPHARMA, INC.	3,074,839			E INK CORPORATION	3,074,728
CUGATI, SHARATH	3,075,026			E.V.H. S.R.L.	3,074,624
CUI, XIAOYU	3,074,643			E.V.H. S.R.L. IN LIQUIDAZIONE	3,074,630
CUI, YADONG ADAM	3,074,703			EAGLE PHARMACEUTICALS, INC.	3,074,732
CUI, YADONG ADAM	3,074,706			EBERLING-FUX, NICOLAS	3,074,745

Index of PCT Applications Entering the National Phase

ECK, MICHAEL	3,074,459	EXXONMOBIL RESEARCH	FREUND, WESLEY A.	3,074,713
ECKL, JUDITH	3,074,612	AND ENGINEERING	FREUND, WESLEY A.	3,074,934
ECKERSTEIN, JOSEPH ALLEN	3,074,494	COMPANY	FREUND, WESLEY A.	3,074,938
EDER, ALEXANDER	3,074,782	EYEBRAIN MEDICAL, INC.	FREUNDLIEB, JULIA	3,074,890
EDITAS MEDICINE, INC.	3,074,466	F&S TOOL, INC.	FRIEDMAN, URIEL	3,074,874
EHRSTROM, JEAN-CHRISTOPHE	3,074,942	FACCIN, STEFANO	FRIESLANDCAMPINA	
EICHMANN, MELANIE A.	3,074,721	FAKA, SOLOMON ALADJA	NEDERLAND B.V.	3,074,573
EILON, JACOB	3,074,673	FALCO, KIMBERLY ANN	FRISCH, DAVID A.	3,074,718
EINRICHTWERK GMBH	3,074,631	FALMBIGL, WOLFGANG	FRITZ, HELMUT	3,074,925
EKSLER, VACLAV	3,074,749	FALTUS, MILOS	FRITZ, RILEY	3,074,835
EKSLER, VACLAV	3,074,750	FAN, BAOQING	FTR LABS PTY LTD	3,074,742
ELI LILLY AND COMPANY	3,074,810	FANN, JAMES I.	FUCCI, JOSEPH GEORGE	3,074,737
ELI LILLY AND COMPANY	3,074,813	FARINA, NICHOLAS J.	FUJIKURA LTD.	3,074,670
ELINAV, ERAN	3,074,406	FARLEY, STEVEN	FUJIKURA LTD.	3,074,700
ELLIS, JEFFREY LECLAIR	3,074,810	FARLEY, STEVEN	FUJIMI INCORPORATED	3,074,410
ELLIS, JEREMY JOSEPH	3,074,601	FARRAR, GWENYTH JANE	FUJISAWA, SUGURU	3,074,967
ELSAADANI, ASAAD	3,074,522	FATTAL, DAVID A.	FUJITA, TOMOYA	3,074,980
EMGENBROICH, MARCO	3,074,577	FATTAL, DAVID A.	FUJITA, YASUTAKA	3,074,582
EMMERT, MAXIMILIAN Y.	3,074,536	FAUBERT, JOCELYN	FUKUSHIGE, TAKASHI	3,074,413
ENDE, JOEL	3,074,835	FAULKNER, JAMES D.	FUKUSHIGE, TAKASHI	3,074,414
ENDO, YOHEI	3,074,700	FAUVELL, THOMAS	FULLER, JASON R.	3,074,453
ENERGIZER BRANDS, LLC	3,074,866	FAZEKAS DE ST GROTH,	FULVIO, FEDERICO	3,074,795
ENGERT, BEATRICE	3,074,775	BARBARA	FUQUAY, JONATHAN I.	3,074,997
ENIGMATOS LTD.	3,074,874	FCA US LLC	GAAL, PETER	3,074,605
ENTOCYCLE LTD	3,074,664	FEDELI, FRANCESCA	GAJ-JABLONSKI, WOJCIECH	3,074,422
EPIZYME, INC.	3,074,720	FELDING, JAKOB	GALANTY, YARON	3,074,946
EPPLE, MAXIMILIAN	3,074,403	FENG, FULEI	GALANTY, YARON	3,074,948
ERICKSON, LUKE	3,074,509	FENG, FULEI	GALAPAGOS NV	3,074,945
ERLICH, ADAM	3,074,566	FENG, FULEI	GALASSINI, GIUSEPPE	3,074,607
ERNST, MARTIN	3,074,650	FERMANIUK, BRENT D.	GALGALI, AMIT	3,074,412
ERTL, THOMAS	3,074,525	FIEBIG, CHARLES	GALLIHER, CHARLES R, 3RD	3,074,658
ESAB AB	3,074,602	FIGHTTHESTROKE	GANDHI, KHUSHROO	3,074,495
ESCHMANN HOLDINGS LIMITED	3,074,568	FOUNDATION	GANTENBEIN, DANIEL	3,074,645
ESCHMANN HOLDINGS LIMITED	3,074,569	FILLON, CHRISTOPHE	GAO, VICKY DAN	3,074,412
ESCHMANN HOLDINGS LIMITED	3,074,571	FINCHAM, ADAM	GAO, WENJING	3,074,526
ESCHMANN HOLDINGS LIMITED	3,074,572	FINNERTY, CAINE M.	GAO, YUKAI	3,074,331
ESCHMANN HOLDINGS LIMITED	3,074,574	FIORUCCI, ALESSANDRO	GARCIA REIZABAL, RUBEN	3,074,911
ESCHMANN HOLDINGS LIMITED	3,074,575	FISHER & PAYKEL	GARDIN, ANNE	3,074,416
ESPIN, GREGORIO BARBA	3,074,784	HEALTHCARE LIMITED	GARRIDO, TAMARA	3,074,808
ESSILOR INTERNATIONAL	3,074,626	FISHER, SUSAN	GASSMANN, NICOLAS	3,074,607
ESSITY HYGIENE AND HEALTH AKTIEBOLAG	3,074,425	FIT SQUARED SHOES, LLC	GAUDINO, REGINALD	3,074,510
ESWARAVAKA, SASI	3,074,707	FLETCHER, GRAHAM	GED INTEGRATED	
EVONIK OPERATIONS GMBH	3,074,540	FLEURY, BRETT	SOLUTIONS, INC.	3,074,731
EXCEL MED, LLC	3,074,440	FLOOD, CHARLIE JAMES	GEERTGENS, EARL	3,074,716
EXCEL MED, LLC	3,074,442	FLOORING INDUSTRIES LIMITED, SARL	GEERTGENS, TAMA	3,074,716
EXCEL MED, LLC	3,074,449	FLYNN, CHARLES	GEIGER, CHRISTIANE	3,074,612
EXXONMOBIL CHEMICAL PATENTS INC.	3,074,704	FODOR, DAN NICULAE	GELBRICH, THOMAS	3,074,529
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY	3,074,603	FODOR, DAN NICULAE	GELFAND, MARK	3,074,697
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY	3,074,650	FOG PHARMACEUTICALS, INC.	GENERAL ELECTRIC COMPANY	3,075,016
		FOK, ALEXANDER	GENESIS ROBOTICS AND MOTION TECHNOLOGIES CANADA, ULC	3,074,586
		FOX, AARON D.	GERTJERDES, STEFAN	3,074,576
		FRANCO, GREGORY	GEVA, MICHAL	3,075,020
		FRASER, JOHN	GFESSER, GREGORY A.	3,074,945
		FREDKOF, ORIT	GHIDESI, GIANCARLO	3,074,411
		FREEAXEZ LLC	GIBLIN, GERARD M.P.	3,074,923
		FREEMAN, SPENCER ERIC	GIDNEY, CRAIG	3,074,557
		FREIER, SUSAN M.	GIFFORD, HANSON S., III	3,074,477
		FRESENIUS KABI DEUTSCHLAND GMBH	GIGOUT, ANNE	3,074,483
		FREUD, WESLEY A.	GILBERT, THOMAS J.	3,074,408
		FREUND, WESLEY A.	GILL, MARK	3,074,638
		FREUND, WESLEY A.	GILL, MARK	3,074,883

Index des demandes PCT entrant en phase nationale

GIRAUD, JEAN-LUC CLAUDE ROBERT	3,074,656	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	3,074,604	HARTMETALL- WERKZEUGFABRIK PAUL HORN GMBH	3,074,661
GIRAUDET, GUILLAUME	3,074,626	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	3,074,758	HASAKO, SHINICHI	3,074,418
GIVENS, ROBERT	3,074,510	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	3,074,879	HASKOLI ISLANDS	3,074,963
GIYANANI, JAYA	3,074,618	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	3,074,881	HATCHER, JOHN M.	3,074,459
GLADIATOR BIOSCIENCES, INC.	3,074,678	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	3,074,760	HAYDEN, MICHAEL	3,075,020
GLASSMAN, JARED	3,074,651	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	3,074,659	HAYWOOD, ROBERT BLANE	3,074,735
GLEASON, KYLE	3,074,461	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	3,074,881	HE, SHUAIMING	3,074,600
GLEISSNER, TIMO	3,074,448	GUANGZHOU XAIRCRAFT TECHNOLOGY CO., LTD	3,074,760	HEEGER, DAVID J.	3,074,453
GLIED, STEPHAN	3,074,784	GULBRANDSEN, PEDER J.	3,074,659	HEINS, BRIAN W.	3,074,603
GODFREY, ALASTAIR	3,067,771	GUNDE, TEA	3,074,802	HELLER, STEFAN	3,074,576
GODFREY, CHRISTOPHER	3,074,737	GUNDUZ-BRUCHE, HANDAN	3,074,802	HENKEL IP & HOLDING GMBH	3,074,478
GOGOI, PRIYADARSHINI	3,074,461	GUNTZER, PIERRE	3,075,038	HENKEL IP & HOLDING GMBH	3,074,482
GOLD, ANNE C.	3,074,408	GUO, QUNHUI	3,075,016	HENKLE, PATRICK	3,074,707
GOLDFARBMUREN, RUSSELL	3,074,509	GUO, SHULING	3,074,431	HENNEK, MATTHEW	3,074,866
GOLDHOFER AG	3,074,333	GUSHANAS, TIMOTHY	3,074,739	HENRY, CHRISTOPHE	3,074,611
GOLDSMITH, MARK A.	3,074,690	GUTIERREZ-UZQUIZA, ALVARO	3,074,908	HEO, TAE-HWE	3,074,993
GOLSHAN, NATHANIEL	3,074,699	GUTTMANN, SILVIA G.B.	3,075,035	HEPNER, ADRIAN	3,074,732
GONG, JIANHONG	3,074,616	GYSAU, DETLEF	3,074,408	HER TECHNOLOGIES, INC.	3,074,598
GONZAGA-JAUREGUI, CLAUDIA G.	3,074,652	HADDORP, REGINA	3,074,645	HERCULES LLC	3,074,424
GOOGLE LLC	3,074,557	HADLEY, JOHN L.	3,074,420	HERGENROTHER, MICHAEL	3,074,603
GOOGLE LLC	3,074,722	HAFELE, HORST	3,074,866	HERMISTON, TERRY	3,074,678
GOPFERT, BEAT	3,074,627	HAGEN, KYLE A.	3,074,333	HERNANDEZ, CARLOS	3,074,944
GORDON, CALLUM ROSS	3,074,412	HAINES, ROBBIE	3,074,493	HERNANDO SAIZ, ANDRES FELIPE	3,074,911
GORE, ANURADHA	3,074,618	HAKONARSON, HAKON	3,074,561	HERRE, ERWIN	3,074,609
GOSINK, LUKE J.	3,074,999	HALE, ANNE S.	3,075,035	HESKETH, MARK RICHARD	3,074,780
GOSSSEN, LUKE	3,074,835	HALF MOON MEDICAL, INC.	3,074,712	HESS, CHRISTIAN	3,074,802
GOTOR, RAUL	3,074,622	HALLAM, STEVEN J.	3,074,477	HETRICH, MITCHELL H.	3,074,484
GOULLIANNE, EDDY	3,074,745	HALLIBURTON ENERGY SERVICES, INC.	3,074,748	HEXAGON TECHNOLOGY AS	3,074,887
GOURDIN, NICOLAS	3,074,588	HALLIBURTON ENERGY SERVICES, INC.	3,074,433	HILINSKI, GERARD	3,074,838
GPB SCIENTIFIC, LLC	3,074,495	HALLIBURTON ENERGY SERVICES, INC.	3,074,681	HILLMANN, PAUL SAMUEL	3,074,664
GRADIN, ROBIN	3,074,791	HAMELIN, REMI	3,074,681	HILTI AKTIENGESELLSCHAFT	3,074,405
GRAFF, JOHN	3,074,566	HANAWA, KEIICHI	3,075,028	HIMEDA, CHARIS L.	3,074,723
GRAHAM, RYAN ANTHONY	3,074,412	HANDIQUE, KALYAN	3,074,591	HIPERBARIC, S.A.	3,074,911
GRAHAM-WALSH, REDWIN RUTHERBY ERRINGTON	3,074,746	HANEY, WILLIAM	3,074,461	HIPPERT, DAVID	3,074,403
GRANDE, JESSICA ELIVIER	3,074,692	HANLON, KILLIAN	3,074,840	HIRSCHKORN, DORAN	3,074,835
GRAY, NATHANAEL S.	3,074,459	HANSON, TAYLOR	3,074,398	HITACHI CONSTRUCTION MACHINERY CO., LTD.	3,074,570
GREEN, THOMAS IAIN PHILLIP	3,074,593	HARCOURT, MICHAEL GEOFFREY	3,074,730	HITACHI, LTD.	3,074,663
GRENDMEIER, THOMAS	3,074,766	HARDCORE AUTOMOTIVE LOCKING TECHNOLOGIES (PTY) LTD	3,074,744	HOCK, MICHAEL	3,074,895
GRENZEBACH MASCHINENBAU GMBH	3,074,609	HARDCORE AUTOMOTIVE LOCKING TECHNOLOGIES (PTY) LTD	3,074,343	HOCKING, JAKE BAKER	3,074,412
GRIFFITH, IRWIN	3,074,629	HARDY, JONATHAN	3,074,352	HODGES & DRAKE DESIGN LIMITED	3,074,926
GRINBERG, ASYA	3,074,840	HARMS, HARRO	3,074,678	HODGES, KEVIN	3,074,926
GRINBERG, MORAN	3,074,819	HARRIS, GEORGE G.	3,074,399	HOERSTRUP, SIMON P.	3,074,536
GRISHAM, MICHAEL	3,074,495	HARRISON, FREDERICK JETHRO	3,074,728	HOFER, ROBERT	3,074,348
GRODJESK, HARVEY STEVEN	3,074,687	HARRISON, FREDERICK JETHRO	3,074,780	HOFFMANN, ETHAN	3,075,038
GROOME, JOHN MARTIN	3,074,561	HARRISON, FREDERICK JETHRO	3,074,352	HOFMANN, PHILIPP	3,074,795
GROPPEL, MANFRED	3,074,891	HARRISON, MICHAEL W.	3,074,781	HOLEHOUSE, NIGEL	3,074,889
GROVEMAN, BRADLEY RICHARD	3,074,914		3,074,810	HONDA, KENYA	3,074,406
GROVEMAN, CHRISTINA DORIANA	3,074,914			HOOGENDOORN, FREDERIK	3,074,527
GROW SOLUTIONS TECH LLC	3,074,558			HOORMANN, DIRK	3,074,795
GROZ-BECKERT KOMMANDITGESELLSC HAFT	3,074,578			HOOVER, SCOTT	3,074,560
GUAN, NING	3,074,670			HOPKE, FREDERICK K.	3,074,702
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	3,074,337			HOROWITZ, JULIE	3,074,652

Index of PCT Applications Entering the National Phase

HOU, WEIHSIN	3,074,841	INSERM (INSTITUT	JOHNSON, JAMES W.	3,074,917
HOUGH, MICHAEL J.	3,074,873	NATIONAL DE LA SANTE	JOHNSON, SEAN	3,075,026
HOUSSEMAN, CHRISTOPHER		ET DE LA RECHERCHE	JOHNSON, TIM	3,074,698
GAETAN	3,074,945	MEDICALE)	JONES, ALYCE LINTHURST	3,074,886
HOWARD, CHRISTOPHER	3,074,563	INSTITUT JEAN PAOLI &	JONES, BRYAN	3,074,951
HOWARD, G. LYNN	3,074,563	IRENE CALMETTES	JONES, CASEY	3,074,909
HOWES, GORDON	3,074,500	INSTITUTO DE	JONES, PETER L.	3,074,723
HU, GUANG	3,074,526	INVESTIGACION	JONES, TAKAKO	3,074,723
HU, LIANGBING	3,074,600	SANITARIA LA FE-	JORDA, RAFAEL	3,074,712
HUA, YUYAN	3,074,841	FUNDACION PARA LA	JOSHI, MIHIRAJ	3,074,522
HUANG, HUGH HAIYONG	3,074,694	INVESTIGA	JP3 MEASUREMENT, LLC	3,074,496
HUANG, LYNN L.H.	3,074,440	INTERROLL HOLDING AG	JT INTERNATIONAL SA	3,074,638
HUANG, LYNN L.H.	3,074,442	INTIMA BIOSCIENCE, INC.	JT INTERNATIONAL SA	3,074,883
HUANG, LYNN, L.H.	3,074,449	IONIS PHARMACEUTICALS,	JUSTICE, TIMOTHY	3,074,441
HUANG, RUIJING	3,074,755	INC.	JUUL LABS, INC.	3,074,463
HUAT, GAN SIN	3,074,702	IRIS DYNAMICS LTD	K+S AKTIENGESELLSCHAFT	3,074,521
HUAWEI TECHNOLOGIES		ISHIKAWA, KOTARO	K+S AKTIENGESELLSCHAFT	3,074,523
CO., LTD.	3,074,514	ISHIKAWA, KOTARO	KAJIWARA, KENTARO	3,074,676
HUAWEI TECHNOLOGIES		ISHIKAWA, SUGURU	KAKUK, MICHAEL D.	3,074,834
CO., LTD.	3,074,882	ISHIKAWA, SUGURU	KALIGIAN, RAYMOND A., II	3,074,860
HUGHSON, ANDREW		ISHINO YOSHIAKI	KALOU, AIKATERINI	3,074,452
GREGORY	3,074,914	ISLAM, MUHAMMAD	KALTENBACH, LINDA S.	3,075,023
HUH, HOYOUNG	3,074,688	NAZMUL	KAMADA, ISAKU D.	3,074,702
HUNT, ALLAN KENNETH		ISLAM, RAYA	KAMINSZKY, ROBERT	
FRAZER GRUGEON	3,074,639	ISLAND WATER	DANIEL	3,074,642
HUNT, JACK A.	3,074,556	TECHNOLOGIES INC.	KAMIOKA, SEIJI	3,074,981
HUNTER, TIMOTHY		ISONO, YASUYUKI	KAMIR, EYAL	3,074,874
HOLIMAN	3,074,433	ISTORAGE LIMITED	KANADA, MASAMITSU	3,074,678
HUTCHINSON, DERRICK	3,074,873	ITF TECHNOLOGIES INC.	KANBARA, HIROSHI	3,074,423
HUTCHISON, DAVID NEIL	3,074,699	ITO, TAKESHI	KANBARA, HIROSHI	3,074,435
HUTCHISON, STUART	3,074,947	IVANJESKU, MARYANNE	KANE, NOLAN COBURN	3,074,510
HUVEPHARMA EOOD	3,074,793	MAYA	KANEKO, SHINOBU	3,074,828
HWANG, VICTORIA	3,074,590	IWATANI, MASAO	KANES, STEPHEN JAY	3,075,038
HWANG, VICTORIA	3,074,592	JACOB, MATTHEW	KANG, SOO-YOUNG	3,074,843
HYOGO COLLEGE OF		FREDERICK	KANG, SOO-YOUNG	3,074,845
MEDICINE	3,074,421	JACOBS, PAUL	KAPADIA, JAIMEEN	3,074,685
ICAGEN, INC.	3,074,865	JACOBS, TIA	KAPADIA, PRADEEP	3,074,407
ICL-IP AMERICA INC.	3,075,001	JAKUBEK, STEFAN	KARCZEWICZ, MARTA	3,074,701
IGENOMIX S.L.	3,074,808	JAMES, SAMUEL EMRYS	KARCZEWICZ, MARTA	3,074,931
IHI CORPORATION	3,074,822	JAMMALAMADAKA, VASU	KARL OTTO BRAUN GMBH &	
IKEGAMI, KOZO	3,074,663	JAN, FRANCIS	CO. KG	3,074,939
ILAB	3,074,993	JAN, FRANCIS	KARL, ZACHARY J.	3,074,721
IMBA - INSTITUT FUR		JANG, JAEBONG	KARREMANS, ADRIANUS	
MOLEKULARE		JANG, SUNG ILL	RUTGERUS ANTONIUS	3,074,623
BIOTECHNOLOGIE		JANNE, PASI	KASHI, RAMESH S.	3,074,565
GMBH	3,074,901	JAPAN HEALTH SCIENCES	KASHIWAMURA, TAKURO	3,074,415
IMBIOTECHNOLOGIES LTD.	3,074,629	FOUNDATION	KASHIWAMURA, TAKURO	3,074,419
IMCHECK THERAPEUTICS		JAPAN TOBACCO INC.	KASSER, SEVERIN	3,074,798
SAS	3,074,933	JAPAN TOBACCO INC.	KATO MOTOMI	3,074,967
IMMUNEMED INC.	3,074,437	JARVER, PETER	KATO, TAKUYA	3,074,415
IMMUNESIGNATURES PTY		JEHN-RENDU, CHRISTIAN	KATO, TAKUYA	3,074,419
LTD	3,074,751	JENCLUSTER GMBH	KATO, TORU	3,074,421
IMMUNIC AG	3,074,891	JENKINS, MATTHEW E.	KATOU, SEIYA	3,074,570
IMPERIAL PIPE SERVICES,		JEON, HYOUNGSUK	KATSUMANA KUMIKO	3,074,968
LLC	3,074,792	JI, ZHAOXIA	KAUFMANN, REGINE	3,074,577
INARI MEDICAL, INC.	3,074,564	JI, ZHAOXIA	KAUSHAL, SHAIENDRA	3,074,670
INGRAM, THOMAS	3,074,650	JIANG, CHONGXUE	KAYSER, FRANK	3,074,885
INMED PHARMACEUTICALS		JIANG, JING	KEESTRACK N.V.	3,074,527
INC.	3,074,748	JIN, YOSHINOBU	KEEVERS, MARTIN	3,074,930
INNATE PHARMA	3,074,588	JOERNSGAARD, BJARNE	KEIO UNIVERSITY	3,074,406
INNOVENT BIOLOGICS		JOHANSSON, HENRIK	KELBIE, WILLIAM	3,074,780
(SUZHOU) CO., LTD.	3,074,526	JOHN MEZZALINGUA	KELBIE, WILLIAM	3,074,781
INSCRIPTA, INC.	3,074,927	ASSOCIATES, LLC	KELLY SLATER WAVE	
INSCRIPTA, INC.	3,074,929	JOHNSON, ALEX C.	COMPANY, LLC	3,074,490

Index des demandes PCT entrant en phase nationale

KELSEY, STEPHEN	3,074,690	KUBO, KOICHI	3,074,817	LI, JING	3,074,524
KEMIRA OYJ	3,074,804	KUCERA, JEFFREY	3,074,518	LI, JUNYI	3,074,471
KENNA, PAUL F.	3,074,398	KUHLMAN, ROGER L.	3,074,827	LI, TIAN	3,074,600
KESAVAN, SUBRAMANIAN	3,074,903	KULKARNI, SHRIJIT SUDHIR	3,074,407	LI, WENLEI	3,074,755
KESSLER, MICHAEL	3,074,362	KURARAY CO., LTD.	3,074,423	LI, XIANG	3,074,701
KEURIG GREEN MOUNTAIN, INC.	3,074,737	KURARAY CO., LTD.	3,074,435	LI, XIANG	3,074,719
KEY TECHNOLOGY, INC.	3,074,441	KUSANO EIJI	3,074,968	LI, XINCAI	3,074,596
KHABRA, EFRAT	3,074,406	KUSHWAHA, AVADHESH S.	3,074,595	LI, XUEJIAN	3,074,726
KHALADKAR, BHUSHAN	3,074,996	KUTAY, ALI	3,074,996	LI, YINGJIE	3,074,478
KHALILI, NAZANIN	3,074,601	KUWATA, GEN	3,074,822	LI, YINGJIE	3,074,482
KHLEIF, SAMIR	3,074,641	KWON, NAM HOON	3,074,684	LI, ZONGCHENG	3,074,759
KHLEIF, SAMIR	3,074,647	KYM, PHILIP R.	3,074,945	LIANG, JINKAO	3,072,556
KIELY, PATRICK DESMOND	3,074,878	LAACKONEN, PASI	3,074,922	LIFENET HEALTH	3,074,886
KIM, MIN SOO	3,074,437	LABATUT, PASCALE	3,074,561	LIGGETT, MELINDA L.	3,074,702
KIM, SUNGHOON	3,074,684	LADAK, AMAN	3,074,597	LIM, BEOM JIN	3,074,684
KIM, YOON-WON	3,074,437	LAI, WENYIH FRANK	3,075,018	LIM, SEUNG MO	3,074,438
KIMBERLY-CLARK WORLDWIDE, INC.	3,074,724	LAIK, PHILIPPE	3,019,019	LIN, XUEQIU	3,074,872
KIME, MICHAEL	3,074,658	LAIK, PHILIPPE	3,019,022	LIN, YANAN	3,074,337
KIMPTON, JORDAN DEAN JONES	3,074,412	LAMBERS, TEARTSE TIM	3,019,029	LIN, YANAN	3,074,604
KIRKEGAARD, JEANNETTE SCHLICHTING	3,074,910	LANDRY, CHARLES	3,074,769	LINDE	
KISAK, EDWARD T.	3,074,595	LANDRY, TODD	3,074,718	AKTIENGESELLSCHAFT	3,074,925
KISHIMOTO MASAKI	3,074,968	LANGE, PERRY L.	3,074,707	LINDE ENGINEERING NORTH AMERICA, INC.	3,075,025
KITTS, GREGORY D.	3,074,704	LANGELUND JAKOBSEN, TOMMY	3,074,886	LINDNER, TALY PNINA	3,074,809
KJAERGAARD, JOHANNES	3,074,579	LANGEN, GUENTER	3,074,579	LINDSTEDT, MALIN MARIE	3,074,791
KLASSEN, JAMES	3,074,586	LANGSTON, ANDREW K.	3,074,939	LIQUI-BOX CORPORATION	3,074,917
KNOBLICH, JURGEN	3,074,901	LAPORTE, GREGOIRE	3,074,444	LITECURE, LLC	3,074,458
KNOCHE, RONALD	3,074,411	LARSEN, CORY M.	3,074,403	LITTLE, JOSEPH PAUL	3,074,496
KOBAYASHI, RYOHEI	3,074,980	LARSSON, BJORN	3,074,617	LIU, BO	3,074,945
KOCH, BERNERD A.	3,074,408	LATAWIEC, PAWEL	3,074,425	LIU, HAIQIN	3,074,560
KOCH, GILBERT	3,074,798	LATENCY, LLC	3,074,566	LIU, HAIXIA	3,074,618
KODA, DAISUKE	3,074,423	LAUGEN, JESSE	3,074,672	LIU, HONG	3,074,903
KODA, DAISUKE	3,074,435	LAUT, MICHAEL EDWARD	3,074,835	LIU, JIEYING	3,074,524
KOENIG, JERRY, LEE, II	3,074,764	LAVON, GARY DEAN	3,074,467	LIU, JIYONG	3,074,759
KOENIG, KAREN SHAKESPEAR	3,074,438	LEATHAM, JAMES	3,074,494	LIU, JUNJIAN	3,074,526
KOGA, TORU	3,074,415	LEBERT, JOCHEN	3,074,698	LIU, LIAN ZHU	3,074,813
KOGA, TORU	3,074,419	LEBLANC, MARC-ANTOINE	3,074,540	LIU, PATRICK MENGYUAN	3,074,380
KOHLHOF, HELLA	3,074,891	LECOMPTE, PHILLIP	3,075,028	LIVING PROOF, INC.	3,074,843
KONIETZKO, JANELLE	3,074,708	LEE, DAMIAN	3,074,686	LIVING PROOF, INC.	3,074,845
KONIETZKO, JANELLE	3,074,714	LEE, DONG KI	3,074,503	LO, DONALD C.	3,075,023
KONIG, OLIVER	3,074,782	LEE, HEECHOON	3,074,684	LODEWYCKX, PETER	3,074,441
KOOY, OTTO JOOST	3,074,420	LEE, SEUNG WOO	3,074,605	LOEPP, KENNETH	3,074,835
KOPEC, KARLA K.	3,074,380	LEE, SUNGWOOK	3,074,821	LONERGAN, WILLIAM W.	3,075,018
KOPF, SEBASTIAN	3,074,521	LEGAN, JEFFERY	3,074,618	LONG, JEFFREY E.	3,074,427
KOPF, SEBASTIAN	3,074,523	LEGANGNEUX, ERIC	3,074,518	LONG, JUN	3,074,616
KORDELAS, ATHANASIOS	3,074,452	LEHIKONEN, ANSSI	3,074,416	LONGMAN, DANIEL	3,074,926
KORTEKAAS, MARTINUS PETRUS	3,074,877	LEI, CHI	3,074,922	LONZA COLOGNE GMBH	3,074,448
KOSCHEL, DIANA	3,074,942	LEI, CHI	3,074,752	LONZA WALKERSVILLE, INC.	3,074,448
KOSINSKI, MICHAEL J.	3,074,703	LEIA INC.	3,074,757	LOPEZ CABRELLES, JAVIER	3,074,913
KOSINSKI, MICHAEL J.	3,074,706	LEIA INC.	3,074,725	LOPEZ ONDEVILLA, RAUL	3,074,911
KOSINSKI, MICHAEL J.	3,074,708	LEITANS, JANIS	3,074,726	LORD, CHANCE	3,074,509
KOSINSKI, MICHAEL J.	3,074,711	LELY PATENT N.V.	3,074,654	LOW, CHEE MENG	3,074,839
KOURTIS, LAMPROS C.	3,074,810	LENGAUER, HANNES	3,074,877	LOWEN, NATHAN	3,074,490
KOVALCIN, DEANNA	3,074,651	LEON DUQUE, ESTEBAN	3,074,529	LOZANO, KAREN	3,074,944
KRALL, JEFFREY P.	3,074,858	LETTKEMAN, DENNIS M.	3,074,463	LTS LOHMANN THERAPIE- SYSTEME AG	3,074,577
KRAMER, KENNETH L.	3,074,456	LEUNG, MARK	3,074,860	LTS LOHMANN THERAPIE- SYSTEME AG	3,074,636
KRAMER, KENNETH L.	3,074,479	LI, CHONG	3,074,697	LTS LOHMANN THERAPIE- SYSTEME AG	3,074,777
KRISTIANOVA, EVA	3,066,286	LI, GANG	3,074,646	LU, FENG	3,074,560
KRIVORUK, ILYA	3,074,809	LI, HAIYING	3,074,761	LU, YU	3,074,761
		LI, JEANNE	3,074,761	LUBOCK, PAUL	3,074,564
		LI, JEANNE	3,074,478	LUETKEN, HENRIK VLK	3,074,784
		LI, JIAN	3,074,482		
		LI, JIGUANG	3,074,755		
			3,074,616		

Index of PCT Applications Entering the National Phase

LUNDE, BRADLEY M.	3,074,840	MARSAL GARVI, LLUIS		MEISSNER, PAUL	3,074,523
LUO, YUPING	3,074,804	FRANCISCO	3,074,815	MELLENDEZ, VANESSA MARIE	3,074,494
LUSSIER, ROMEO	3,075,028	MARSALA, MARTIN	3,074,587	MEMORIAL SLOAN-	
LUVIANO, RUBEN	3,047,781	MARSHALL UNIVERSITY		KETTERING CANCER	
LV, LIANG	3,074,759	RESEARCH		CENTER	3,075,036
LYNN, TIMOTHY R.	3,074,827	CORPORATION	3,074,643	MENARINI SILICON	
M VEST WATER AS	3,074,657	MARSTELLER, LAURENCE J.	3,074,567	BIOSYSTEMS S.P.A.	3,074,953
M/S.CERIO EXPORTS		MARTIN, DAVID P.	3,074,733	MENARINI SILICON	
PRIVATE LIMITED	3,074,955	MARTIN, RACHEL		BIOSYSTEMS S.P.A.	3,074,954
MA, BIN	3,074,875	ELIZABETH	3,074,511	MENDENALL, PAUL LEWIS	3,074,681
MA, CHANGSHA	3,074,996	MARTINELLI, ROBERT	3,074,687	MENG, GUANGRONG	3,074,526
MA, TIANHE	3,074,752	MARTINEZ MANEZ, RAMON	3,074,815	MENON, ANOOP	3,074,841
MA, TIANHE	3,074,757	MARTINEZ, MISAEL E.	3,074,944	MERAYO MERAYO, NURIA	3,074,945
MA, WENJING	3,074,759	MARTZ, JONATHAN THOMAS	3,074,812	MERCK PATENT GMBH	3,074,483
MA, XIAOHUI	3,074,755	MARUO, YUTA	3,074,700	MERCK SHARP & DOHME	
MA, ZHIXUN	3,074,460	MASON, EUGENE	3,074,832	CORP.	3,074,565
MACDONALD, PETER A.	3,074,860	MASON, JACQUELINE M.	3,074,876	MERCK SHARP & DOHME	
MACK RIDES GMBH & CO.		MASQUELIER, DON	3,074,927	CORP.	3,074,703
KG	3,074,533	MASQUELIER, DON	3,074,929	MERCK SHARP & DOHME	
MACKENSEN, INGO	3,074,576	MASSARELLI, VINCENZO	3,074,952	CORP.	3,074,706
MACKKEY, WAYNE E.	3,074,453	MATHEEUWSEN, PASCAL	3,074,417	MERCK SHARP & DOHME	
MACLURG, MICHAEL JOHN	3,074,668	MATSUMORI YASUAKI	3,074,968	CORP.	3,074,708
MACPHERSON, DAVID T.	3,074,923	MATSUMOTO, SHINICHI	3,074,582	MERCK SHARP & DOHME	
MADSEN, BJOERN	3,074,784	MATSUMURA, YUKI	3,074,966	CORP.	3,074,711
MAEDER, MORGAN	3,074,466	MATTHEWS, JESSICA		MERCK SHARP & DOHME	
MAGALHAES DE SA ALCINO,		OSEMUDIAMEN IDONI	3,074,651	CORP.	3,074,714
MIGUEL	3,074,642	MAURI TECHNOLOGY B.V.	3,074,623	MERRIL, CARL	3,074,655
MAGNE, JULIEN	3,074,889	MAVERICK THERAPEUTICS,		MERRITT, BENJAMIN E.	3,074,564
MAGNIN, OLIVIER	3,074,949	INC.	3,075,034	METALENZ, INC.	3,074,566
MAHLANDT, ERHARD	3,074,522	MAY, CHAD	3,075,034	METSO DENMARK A/S	3,074,579
MAI, THI THU TRANG	3,074,945	MAYERS, CHRISTOPHER		MIAO, ZHAOBANG	3,074,331
MAIER, GEORG	3,074,333	MORGAN	3,074,656	MICALLEF, DAVID	3,074,672
MAJESTY PACKAGING		MAZHAR, KASHIF	3,074,467	MICHAEL, JOHN	3,074,801
SYSTEMS LIMITED	3,072,556	MCAFEE, ERIKA	3,074,448	MICRONOVA	
MAK, TAK WAH	3,074,876	MCCABE, MICHAEL A.	3,074,681	MANUFACTURING, INC.	3,074,686
MALAGU, KARINE FABIENNE	3,074,945	MCCACHREN, BRIAN C.	3,074,724	MIKI, KATSUYA	3,074,967
MALANGA, III, CARL JOSEPH	3,074,416	MCCALL, JONATHON D.	3,074,999	MILLAR, GARY BRET	3,074,558
MALBRANCKE, JURGEN	3,074,862	MCCARTHY, STEPHEN J.	3,075,018	MILLER, DAVID E.	3,075,016
MALERGUE, FABRICE	3,075,022	MCCOOL, GRANT	3,075,025	MILLER, TOM	3,047,781
MALIKSI, JOSEPH	3,074,464	MCCOY GLOBAL INC.	3,074,875	MILLIGAN, CHARLES	3,074,432
MALKA, YONI	3,074,874	MCCRACKEN, NATHAN	3,074,467	MILLINGTON WARD, SOPHIA	3,074,398
MANDAI, MICHIKO	3,074,426	MCFADDEN, PATRICK A.	3,074,493	MIMURA, NODOKA	3,074,663
MANITOWOC FOODSERVICE		MC GEE, JOHN HANNEY	3,074,838	MINGUEZ ESPALLARGAS,	
COMPANIES, LLC	3,074,986	MC GEHEE, WILLIAM V.	3,074,492	GUILLERMO	3,074,913
MANOHARAN, ARUN		MCGLINCHY, TIMOTHY B.	3,074,731	MIRACLE, GREGORY SCOT	3,074,513
PRASAD	3,074,689	MCHUGH, PATRICK	3,074,708	MIRACLE, GREGORY SCOT	3,074,515
MANOHARAN, VINOTHAN	3,074,590	MCHUGH, PATRICK	3,074,714	MIRACLE, GREGORY SCOT	3,074,610
MANOHARAN, VINOTHAN N.	3,074,592	MCKEON, THOMAS	3,074,522	MIRACLE, GREGORY SCOT	3,074,613
MANSOUR, GEORGE	3,074,832	MCLEAN, MATT	3,074,477	MIRACLE, GREGORY SCOT	3,074,713
MANZI-NSHUTI, CHARLES	3,074,903	MCNEIL, SEAN	3,074,999	MIRACLE, GREGORY SCOT	3,074,738
MAO, YUANBING	3,074,944	MECAER AVIATION GROUP		MIRACLE, GREGORY SCOT	3,074,934
MAORI, EYAL	3,074,946	S.P.A.	3,074,952	MIRACLE, GREGORY SCOT	3,074,938
MAORI, EYAL	3,074,948	MEDIGENE		MISRA, SOUMYADEEP	3,074,407
MARASON, ERIC GIFFORD	3,074,841	IMMUNOTHERAPIES		MITANI, IKUO	3,074,989
MARB, PHILIPP	3,074,609	GMBH	3,074,612	MITCHELL, DAVID JOHN	3,074,940
MARCH, MICHAEL	3,075,035	MEDINA MUNDT, JESUS	3,074,991	mitsubishi chemical	
MARCOS MARTINEZ, MARIA		MEDINA MUNDT, JESUS	3,074,994	CORPORATION	3,074,679
DOLORES	3,074,815	MEDORO, GIANNI	3,074,953	MITSUBISHI CHEMICAL	
MARCOTTE, TOMMY	3,075,028	MEDORO, GIANNI	3,074,954	CORPORATION	3,074,980
MARELLI-BERG, FEDERICA		MEGRANT, ANTHONY		MITSUBISHI TANABE	
MARIA	3,074,950	EDWARD	3,074,722	PHARMA CORPORATION	3,074,421
MARGREITER, RENATE	3,074,529	MEIR, OFIR	3,074,946	MIWA, NAOYA	3,074,410
MARKUZE, ALEX	3,074,501	MEIR, OFIR	3,074,948	MIYANO HARA, ATSUSHI	3,074,587
		MEISSNER, PAUL	3,074,521	MIYATA, TSUYOSHI	3,074,967

Index des demandes PCT entrant en phase nationale

MJN U.S. HOLDINGS LLC	3,074,769	NATIONAL UNIVERSITY		NUTRIENT ENCAPSULATION	
MKRTICHYAN, MIKAYEL	3,074,641	CORPORATION KOCHI		TECHNOLOGIES	3,074,473
MKRTICHYAN, MIKAYEL	3,074,647	UNIVERSITY	3,074,967	NUUD B.V.	3,074,837
MOKARAMIAN, AMIR	3,074,753	NEAG, DORINEL	3,074,427	NYCE, MATTHEW	3,074,434
MONDOFIX INC.	3,074,754	NEC CORPORATION	3,074,331	O'CONNOR, JOSEPH	3,074,448
MONK, ALASTAIR	3,074,937	NEGGIANI, FABIO	3,074,893	O'SHAUGHNESSY, DENNIS J.	3,074,460
MONKARSH, JOSH	3,074,474	NEIGHBORS, KYLE	3,074,427	O-NET COMMUNICATIONS	
MONONEN, MIKA	3,074,922	NELLEN, LEVI R.	3,074,754	(SHENZHEN) LIMITED	3,074,889
MONSANTO TECHNOLOGY		NELSON, JOSH	3,074,509	OBERBERGER, MICHAEL	3,074,507
LLC	3,074,859	NEOSINUS HEALTH INC.	3,074,467	OBERMEIER, ANDREAS	3,074,925
MOORE, ERIC	3,074,886	NESS, KEVIN	3,074,929	OCHSENFELD, GERHARD	3,074,631
MORAVEK, SCOTT J.	3,074,812	NEW JERSEY INSTITUTE OF		OCHSENFELD, MICHAEL	3,074,631
MORGAN, AILEEN	3,074,618	TECHNOLOGY	3,074,777	OCTANE BIOTECH INC.	3,074,448
MORIN, BRIAN G.	3,074,487	NEWHOUSE, JAMES	3,074,592	OEHM, PETRA	3,074,919
MORTON, BARRETT R.	3,074,735	NEWHOUSE, JAMES PAUL	3,074,590	OFINNO, LLC	3,074,691
MOSKOWITZ, KEITH	3,074,712	NEWMAN, ROBERT A.	3,075,023	OHAGE-SPITZLEI, PETRA	3,074,620
MOUTRAY, BRAD JAMES	3,074,887	NEWMAN, WYATT S.	3,074,462	OHLMANN, DOMINIK	3,074,401
MSA TECHNOLOGY, LLC	3,074,476	NEWSAM, JOHN M.	3,074,595	OHNO, MASATOSHI	3,074,700
MSA TECHNOLOGY, LLC	3,074,484	NGUYEN, LUAN	3,074,582	OJI HOLDINGS	
MTD PRODUCTS INC	3,074,518	NI, JUEPING	3,074,759	CORPORATION	3,074,415
MTD PRODUCTS INC	3,074,677	NICHOLS, ROBERT J.	3,074,690	OJI HOLDINGS	
MTI BIOTECH, INC.	3,074,736	NICHOLSON, DANIEL J.	3,075,029	CORPORATION	3,074,419
MU, YUNSONG	3,074,560	NIEDERL, DIETMAR	3,074,898	OLIVE, DANIEL	3,074,933
MUELLER, RENATE PETRA		NIIMI, KATSUMI	3,074,828	OLIVEIRA E SILVA, JOSE	
BRIGITTE	3,074,784	NILSSON, MARKUS	3,074,649	ANISIO DE	3,074,792
MUHLER, ROLF ANDREAS	3,074,891	NIPPON PAPER INDUSTRIES		OLIVER, CHRISTOPHER	3,074,469
MULLET, RANDY	3,074,860	CO., LTD.	3,074,968	OMNIEARTH, INC.	3,074,505
MUNDHEIM, ATLE	3,074,657	NIPPON PAPER POPYLIA CO.,		OMYA INTERNATIONAL AG	3,074,645
MUNNE-BLANCO, SANTIAGO	3,074,689	LTD.	3,074,968	ONCOTAG DIAGNOSTICS CO.,	
MURAKI, KAZUHIRO	3,074,679	NIPPON TELEGRAPH AND		LTD.	3,074,684
MURPHY, THOMAS	3,074,598	TELEPHONE		ONOUCHI, HISANARI	3,074,817
MURR, DAVID	3,074,505	CORPORATION	3,074,700	OP DE BEECK, JEFF	3,074,797
MUSEY, LUWY KAVUKA	3,074,703	NISHIMARU, TATSUYA	3,074,989	OPTASENSE HOLDINGS	
MUSEY, LUWY KAVUKA	3,074,706	NISHIMURA, MASUHIRO	3,074,582	LIMITED	3,067,771
MUSEY, LUWY KAVUKA	3,074,708	NISSAN MOTOR CO., LTD.	3,074,413	ORBACH, ARIC	3,075,020
MUSEY, LUWY KAVUKA	3,074,711	NISSAN MOTOR CO., LTD.	3,074,414	ORMCO CORPORATION	3,074,692
MUSTER, MICHAEL	3,074,896	NIU, PANPAN	3,074,526	OROFINO	
MUTIUHIN, YULIA	3,074,406	NIX, MOLLY CASTLE	3,074,464	PHARMACEUTICALS	
MYCOWORKS, INC.	3,074,740	NIZERY, EREMBERT	3,074,942	GROUP SRL	3,074,805
NABEIRO, RUI MIGUEL	3,074,991	NOKIA SHANGHAI BELL CO.,		OROFINO, ERNESTO	3,074,805
NABEIRO, RUI MIGUEL	3,074,992	LTD.	3,074,522	ORTEN, ROLF ENDRE	3,074,645
NABEIRO, RUI MIGUEL	3,074,994	NOMIKOS, GEORGE	3,075,038	ORTET, PAULA	3,074,838
NAC INTERNATIONAL INC.	3,074,444	NORTHEN, JULIAN	3,074,923	OSATO, KEN	3,074,700
NAGAMORI, HIRONOBU	3,074,989	NOVADELTA - COMERCIO E		OSHIMA, SYUN-ICHIROU	3,074,967
NAGAO, REX	3,074,886	INDUSTRIA DE CAFES,		OSSIO LTD.	3,074,809
NAGASE, RYOSUKE	3,074,591	LDA	3,074,991	OTSUKA PHARMACEUTICAL	
NAGATA, SATOSHI	3,074,966	NOVADELTA - COMERCIO E		FACTORY, INC.	3,074,582
NAGUIB, HANI	3,074,601	INDUSTRIA DE CAFES,		OUTCHKOUROV, NIKOLAY	
NAHAMA, ALEXIS	3,074,951	LDA	3,074,992	STOYANOV	3,074,793
NAKAGAWA, YUICHI	3,074,989	NOVADELTA - COMERCIO E		OWENS, PETER	3,074,672
NANCE, DAVID	3,074,504	INDUSTRIA DE CAFES,		PALAMARA, JOSEPH	3,074,818
NANJING IASO		LDA	3,074,994	PALFI, ARPAD	3,074,398
BIOTHERAPEUTICS CO.,		NOVARTIS AG	3,074,416	PALUMBO, JOSEPH M.	3,074,421
LTD.	3,074,526	NOVO NORDISK A/S	3,074,910	PANCHAL, ANAND	3,075,034
NANT HOLDINGS IP, LLC	3,074,734	NOVY, ROBERT E.	3,074,718	PANESCU, DORIN	3,074,697
NARUSHIMA, SEIKO	3,074,406	NR ELECTRIC CO., LTD	3,074,761	PANG, GAOKUN	3,074,514
NATIONAL CHENG KUNG		NR ENGINEERING CO., LTD	3,074,761	PAOLINI, RICHARD J., JR.	3,074,728
UNIVERSITY	3,074,440	NTIP LLC	3,074,347	PAPALOUKOPOULOS,	
NATIONAL CHENG KUNG		NTT DOCOMO, INC.	3,074,966	GEORGIOS	3,074,452
UNIVERSITY	3,074,442	NUMAB THERAPEUTICS AG	3,074,802	PAREEK, ALOK	3,074,996
NATIONAL CHENG KUNG		NUOVO PIGNONE		PAREYT, BRAM	3,074,658
UNIVERSITY	3,074,449	TECNOLOGIE SRL	3,074,392	PARK, KYUNGMIN	3,074,691
NATIONAL INSTITUTE OF		NURUDDIN, MD	3,074,848	PARK, SUNGMAN	3,074,437
TECHNOLOGY	3,074,967			PARK, YEON-HWA	3,074,993

Index of PCT Applications Entering the National Phase

PARRINELLO, LUCIANO M.	3,074,431	POLCYN, ADAM D.	3,074,460	QUAY, STEVEN C.	3,074,595
PASERO, CHRISTINE	3,074,933	POLCYN, GREGOR DAMIAN	3,074,795	QUEEN MARY UNIVERSITY	
PASQUALE, PABLO	3,074,871	POLLOCK, SARAH	3,074,406	OF LONDON	3,074,950
PATEL, MUNJAL	3,075,001	PORAMBO, RICHARD J.	3,074,703	QUERALT, INC.	3,074,709
PATTERSON, BRIAN	3,074,473	PORAMBO, RICHARD J.	3,074,706	QUERALT, MICHAEL	3,074,709
PATTON, MATTHEW REISER	3,074,838	PORAMBO, RICHARD J.	3,074,708	QUINTANAR, FELIX	
PATUREL, CARINE	3,074,588	PORAMBO, RICHARD J.	3,074,711	CLARENCE	3,074,639
PAULI, CHRISTOPHER	3,074,510	PORTLOCK, MARK	3,074,569	RABE, CHRISTIAN	3,074,540
PAULSEN, MARK R.	3,074,659	PORTLOCK, MARK	3,074,575	RABHI, VIANNEY	3,074,743
PAWAR, SANDIP V.	3,074,748	POWELL, ALFRED ROLAND		RADIANCE THERAPEUTICS,	
PAWLAK, SAMUEL D.	3,074,468	STANLEY	3,074,594	INC.	3,074,567
PAYNE, AUSTIN	3,074,461	POWELL, BEN WILLIAM	3,074,594	RADIMMUNE	
PEARSON, DAVID	3,074,735	PPG INDUSTRIES OHIO, INC.	3,074,431	THERAPEUTICS, INC.	3,074,715
PEINE, WILLIAM	3,074,443	PPG INDUSTRIES OHIO, INC.	3,074,812	RAFAELI, OMER	3,074,693
PEINE, WILLIAM	3,074,880	PRASAD, SUBRAMANIAN	3,074,818	RAGUSH, COLIN	3,074,878
PELISSIER, JACOB	3,075,028	PRECISION DRONE SERVICES		RAHE, FLORIAN	3,074,644
PEMAN GARCIA, JAVIER	3,074,815	INTELLECTUAL		RAIMONDI, MARIA	
PENG, SHUN	3,074,752	PROPERTY, LLC	3,074,447	ALEJANDRA	3,074,720
PENG, SHUN	3,074,756	PRECISION DRONE SERVICES		RAINA, SHASHANK	3,074,697
PEREGO, MICHELE	3,074,795	INTELLECTUAL		RAO, SUBRAMANYA	3,074,560
PEREIRA, CARLA	3,074,650	PROPERTY, LLC	3,074,512	RATHMACHER, JOHN	3,074,736
PEREIRA, PRIYANKA		PREISS-BLOOM, ORAHN	3,074,809	RAVICHANDRAN,	
FERDINAND	3,074,412	PRES-BY VISION LTD.	3,074,693	RANJITHKUMAR	3,074,428
PERI GMBH	3,074,915	PRESIDENT AND FELLOWS		RAXTAR B.V.	3,074,417
PERKOVIC, MARIO	3,074,919	OF HARVARD COLLEGE	3,074,590	RAYMOND, LYNNE DEPUMA	3,074,914
PERNER, JUDD J.	3,074,583	PRESIDENT AND FELLOWS		RAYTHEON COMPANY	3,074,698
PERRIMAN, ADAM WILLIS	3,074,593	OF HAVARD COLLEGE	3,074,592	REBOUND TECHNOLOGIES,	
PERROT, IVAN	3,074,588	PRESTON, KAREN		INC.	3,074,509
PERSSON, MAGNUS	3,074,602	MARGARET	3,074,511	RECTORSEAL, LLC	3,074,687
PESCHEL, ANDREAS	3,074,925	PRILENIA		REDDY, SRIRAMA KRISHNA	3,074,868
PETKOV, SPAS BOJIDAROV	3,074,793	NEUROTHERAPEUTICS		REDMOND, CHASE	3,074,835
PETREA, RANDY D.	3,074,938	LTD.	3,075,020	REFLEX INSTRUMENTS ASIA	
PETROVIC, IVAN	3,074,818	PRIMO MARTIN, CRISTINA	3,074,623	PACIFIC PTY LTD	3,074,753
PFEIFER, HOLGER	3,074,540	PRINZ, BIANKA	3,074,840	REGAN, MICHAEL THOMAS	3,074,728
PFISTER, MARC	3,074,798	PROCHART, GUNTER	3,074,782	REGENERON	
PH PHARMA CO., LTD.	3,074,688	PROCKSCH, ANDREAS	3,074,763	PHARMACEUTICALS,	
PHARMAFLUIDICS NV	3,074,797	PROCKSCH, ANDREAS	3,074,772	INC.	3,074,652
PHASE PHARMACEUTICALS		PRYOR, BRIAN	3,074,458	REGENERON	
LLC	3,074,563	PSTPRODUCTS GMBH	3,074,871	PHARMACEUTICALS,	
PHILLIPS, MARCUS DAMIAN	3,074,639	PUGH, MAGDA	3,074,467	INC.	3,074,682
PHOENIX BIOTECHNOLOGY,		PUIGBO, ARTURO	3,075,025	REM TEC S.R.L.	3,074,411
INC.	3,075,023	PURATOS	3,074,658	RENDELL, JEFFREY R.	3,074,493
PHOPASE, JAYWANT	3,074,428	PURDUE PHARMA L.P.	3,074,694	RESEARCH INSTITUTE OF	
PICHLER, ARTHUR	3,074,529	PURDUE RESEARCH		PETROLEUM	
PICOLET, OLIVIER LAURENT	3,074,945	FOUNDATION	3,074,848	PROCESSING, SINOPEC	3,074,616
PIDAPARTI, RAJANI	3,071,716	PURPURA, KELLY	3,074,448	REUM, NICO	3,074,577
PIGNOCCHI, CRISTINA	3,074,946	PXLIZE, LLC	3,074,474	REVOLUTION MEDICINES,	
PIGNOCCHI, CRISTINA	3,074,948	QI, LEI S.	3,074,872	INC.	3,074,690
PINCHES, CHRIS	3,074,503	QIN, HAIHU	3,074,513	RF IDEAS, INC.	3,071,716
PINTEL, OFER	3,074,693	QIN, HAIHU	3,074,515	RGL RESERVOIR	
PIONEER SURGICAL		QIN, HAIHU	3,074,610	MANAGEMENT INC.	3,074,488
TECHNOLOGY, INC.	3,074,834	QIN, HAIHU	3,074,613	RHODIA OPERATIONS	3,074,903
PISZCZEK, ROBERT	3,074,603	QIN, HAIHU	3,074,713	RIBES MONPARLER, ANGELA	3,074,815
PITT, ROBERT	3,074,484	QIN, HAIHU	3,074,738	RICHARDSON, THOMAS	
PIZZONERO, MATHIEU		QIN, HAIHU	3,074,938	MARK	3,074,412
RAFAEL	3,074,945	QIN, SHUHUI	3,074,478	RICHERZHAGEN, BERNOLD	3,074,403
PLASSEIN TECHNOLOGIES		QIN, SHUHUI	3,074,482	RICKLES, DAVID J.	3,074,715
LTD. LLC	3,074,556	QUALCOMM INCORPORATED	3,074,471	RIKEN	3,074,426
PLATINUM PRESS, INC.	3,047,781	QUALCOMM INCORPORATED	3,074,560	RILEY, GILBERT, N. JR.	3,074,566
PLON, RICHARD STANLEY	3,075,019	QUALCOMM INCORPORATED	3,074,605	RISER, JENNIFER	3,074,804
PLUMLEY, ARIC	3,074,858	QUALCOMM INCORPORATED	3,074,646	RIZK, SAID	3,074,733
PODSIADLO, PAUL	3,075,018	QUALCOMM INCORPORATED	3,074,701	ROBINSON, JOSEPH WILLIAM	3,074,780
POET RESEARCH, INC.	3,074,721	QUALCOMM INCORPORATED	3,074,931	ROBINSON, JOSEPH WILLIAM	3,074,781
POIROT, ALEX	3,074,490	QUALCOMM INCORPORATED	3,075,021	ROBINSON, MICHAEL R.	3,074,618

Index des demandes PCT entrant en phase nationale

ROCKETFRAC SERVICES LTD.	3,074,744	SCHWARTZMILLER, DAVINA J.	3,074,812	SILVERMAN, FRANKLIN PAUL	3,074,868
ROCKROHR, BRIAN	3,074,685	SCIALLA, STEFANO	3,074,511	SIMON, CARLOS	3,074,808
ROCSOLE LTD	3,074,922	SCOTT, DAVID A.	3,074,459	SIMON, LAURENT	3,074,777
ROHM AND HAAS COMPANY	3,074,717	SEARLE, XENIA B.	3,074,945	SIMONETTY, JOSE X.	3,074,603
ROKKE, CHRISTOPHER J.	3,074,873	SEIBERTZ, FRANK	3,074,636	SIMONIN, ALEXANDRE	3,074,802
ROLLMAN, NICHOLAS S.	3,075,018	SEIDEL, RONALD D., III	3,074,839	SINGH, MALLIKA	3,074,690
ROMER, ISABEL	3,074,612	SEITZ, BRET DARREN	3,074,494	SINGH, PARTH RANJAN	3,074,651
ROMERO PASCUAL, JORGE	3,074,913	SELLARS, WILLIAM R.	3,074,347	SINGH, VIKRAM	3,074,603
RONNANDER, JAMES PAUL	3,074,777	SELNESS, SHAUN RAJ	3,074,859	SINTIVE, BRUNO	3,074,412
ROS, WILLIAM	3,074,745	SEN, RAJKUMAR	3,074,996	SIRKAR, RHEA	3,074,810
ROSENTHAL, ERIC	3,074,473	SENZAGEN AB	3,074,791	SISLEY, STEVE E.	3,074,444
ROSS, DAN	3,074,741	SEPULCHRE DE CONDE, CHRISTOPHE	3,074,561	SITHARAM, RAMANATH VIJAY	3,074,696
ROSS, JOHN F.	3,074,839	SESHADRI, AKSHAY	3,074,601	SIU, BERNARD FAI KIN	3,074,438
ROSS, JOHN R.	3,074,430	SHAH, BHAVIN	3,074,733	SIVACOE, LUISA ANNE	3,074,388
ROSS, PHILIP	3,074,740	SHAH, RAJESH	3,074,717	SIVACOE, ORLANDE	3,074,388
ROSSI, BENJAMIN	3,074,588	SHAKERI-NEJAD, KASRA	3,074,416	SKANSKA SVERIGE AB	3,074,779
ROZKOWSKI, ANDREW J.	3,074,866	SHANGHAI LIUPEI MECHANICAL AND ELECTRICAL TECHNOLOGY CO., LTD	3,074,752	SKAW, BRENT E.	3,074,834
ROWLEY, CORINNE ASHLEY	3,074,494	SHANGHAI LIUPEI MECHANICAL AND ELECTRICAL TECHNOLOGY CO., LTD	3,074,756	SKELLEY, ALISON	3,074,495
ROY, PROTIVA R.	3,074,748	SHANGHAI LIUPEI MECHANICAL AND ELECTRICAL TECHNOLOGY CO., LTD	3,074,757	SKINNER, JULIE MARIE	3,074,706
ROYCE, SIMON	3,074,470	SHANI, URI	3,074,653	SKUBAN, NINA	3,074,450
RUAG AMMOTEC AG	3,074,896	SHAO, NING	3,074,885	SKULASON, EGILL	3,074,963
RUBIN, J. PETER	3,074,457	SHARKNINJA OPERATING LLC	3,074,500	SLATER, ROBERT KELLY	3,074,490
RUIZ, MARK ANTHONY	3,074,944	SHARKNINJA OPERATING LLC	3,074,503	SLINGMAX TECHNOLOGIES LLC	3,074,741
RURACK, KNUT	3,074,622	SHARKNINJA OPERATING LLC	3,074,702	SLOAN, JAMES	3,074,561
RYSIOK, THOMAS	3,074,483	SHARMA, VISHAL	3,074,461	SLUPSKA, MALGORZATA M.	3,074,721
SADIQ, BILAL	3,074,471	SHAVER, STEPHEN D.	3,074,583	SMART INSTALLATIONS AS	3,074,648
SAFRAN CERAMICS	3,074,745	SHAW INDUSTRIES GROUP, INC.	3,074,735	SMET, STEVEN	3,074,884
SAGE THERAPEUTICS, INC.	3,075,038	SHAWCOR LTD.	3,074,601	SMIDDY, BRIAN S.	3,074,997
SAHIN, UGUR	3,074,919	SHE, YUCHENG	3,074,616	SMIDDY, BRIAN S.	3,074,998
SAINT-GOBAIN GLASS FRANCE	3,074,407	SHEA-SIMONDS, DUNCAN	3,074,926	SMITH & NEPHEW PLC	3,074,639
SAMUEL, CHRISHAN	3,074,470	SHEN, HAIPING	3,074,616	SMITH & NEPHEW PLC	3,074,780
SANCENON GALARZA, FELIX	3,074,815	SHEPARD, JAMES E.	3,074,737	SMITH & NEPHEW PLC	3,074,781
SANCHEZ, MAURICIO	3,074,509	SHEPARD, RALPH HAMILTON	3,074,699	SMITH, DAMIAN LAWSON	3,074,639
SANDEGREN, ANTON	3,074,779	SHI, HAOTIAN	3,074,601	SMITH, JACQUELINE	3,074,690
SANDOZ AG	3,074,529	SHI, YALING	3,074,448	SMITH, TIMOTHY	3,074,448
SANTHANAM, ARVIND	3,074,560	SHIM, SO YOUN	3,074,838	SMOLINSKI, MICHAEL P.	3,074,831
SANTINI, MARCO	3,074,392	SHIN, KYE JUNG	3,074,993	SMOTRYCZ, ZENON O.	3,074,429
SAPLIS, RICHARD J.	3,074,704	SHUTT, THOMAS C.	3,074,347	SOLENIS TECHNOLOGIES CAYMAN, L.P.	3,074,771
SARDAR, NICHOLAS JAMES	3,074,503	SIDORENKO, LYUDMILA	3,074,617	SOLENIS TECHNOLOGIES, L.P.	3,075,029
SARKS, CORY J.	3,074,721	SIEDER, GEORG	3,074,650	SONG, JIANWEI	3,074,600
SATYAL, SANJEEV	3,074,688	SIEHOFF, ANN	3,074,448	SONNIER, GARETH DUSTIN	3,074,875
SAUDI ARABIAN OIL COMPANY	3,074,465	SIEMENS AKTIENGESELLSCHAFT	3,074,763	SOON-CHIONG, PATRICK	3,074,734
SAUDI ARABIAN OIL COMPANY	3,074,489	SIEMENS AKTIENGESELLSCHAFT	3,074,772	SOPCHIK, ALAN E.	3,074,717
SAUDI ARABIAN OIL COMPANY	3,074,499	SIEMENS AKTIENGESELLSCHAFT	3,074,772	SOREK, ROTEM	3,074,406
SAWAYAMA, YUSUKE	3,074,981	SIEMENS AKTIENGESELLSCHAFT	3,074,783	SORRENTO THERAPEUTICS, INC.	3,074,951
SAXON, JAMES A.	3,074,459	SIEMENS INDUSTRY, INC.	3,075,017	SOTERIA BATTERY INNOVATION GROUP INC.	3,074,487
SCARAB GENOMICS, LLC	3,074,718			SOUCY INTERNATIONAL INC.	3,075,028
SCHANILEC, BENJAMIN	3,074,835			SPAN, WOLFGANG	3,074,915
SCHAUDER, VOLKER	3,074,602			SPEICHER, SEBASTIAN	3,075,021
SCHENDEL, DOLORES	3,074,612			SPENGLER, ERIC G.	3,074,843
SCHENK, PHILIPP	3,074,766			SPENGLER, ERIC G.	3,074,845
SCHENTEN, STEVEN J.	3,074,427			SPETZ, ANNA-LENA MARIE	3,074,634
SCHMIDT, FRANZISKA	3,074,620			SPRAGUE, ROBERT ARTHUR	3,074,841
SCHMUTZ, LUKAS	3,074,766			SRIRAM, SHREEDHARAN	3,074,617
SCHNEIDER, UWE	3,074,494			SRIVASTAVA, SARVESH K.	3,074,748
SCHRADE, STEPHAN	3,074,533			ST. GERMAIN, SCOTT	3,074,741
SCHULTE, JASON B.	3,074,886				
SCHULZE, CHRISTOPHER	3,074,690				
SCHWARTZ, JUSTIN M.	3,074,469				

Index of PCT Applications Entering the National Phase

STARK, CHRISTIAN	3,074,661	TALJAARD, PHILIPPUS		THE REGENTS OF THE	
STATE SPACE LABS, INC.	3,074,453	PETRUS ERASMUS	3,074,352	UNIVERSITY OF	
STAVRAKOS, NICHOLAS	3,074,452	TALLARICO, JOHN PAUL	3,074,810	CALIFORNIA	3,074,587
STEEP HILL, INC.	3,074,510	TANAKA, ISAO	3,074,817	THE REGENTS OF THE	
STEFFEN, ERIC A.	3,074,718	TANG, HAI	3,074,758	UNIVERSITY OF	
STEINMAYER, SIMON	3,074,333	TANG, HAI	3,074,879	COLORADO	3,074,510
STEPHENSON, ANNA	3,074,590	TANGE, SATOSHI	3,074,413	THE TRUSTEES OF	
STEPHENSON, ANNA B.	3,074,592	TANGE, SATOSHI	3,074,414	PRINCETON UNIVERSITY	3,074,495
STEPHENSON, STANLEY		TANI, TAOUFIK	3,074,560	THE UNITED STATES OF	
VERNON	3,074,433	TANIMURA, YASUAKI	3,074,676	AMERICA, AS	
STEWARD, DANIEL LEE	3,074,780	TANIOKA, HIROAKI	3,074,700	REPRESENTED BY THE	
STEWARD, DANIEL LEE	3,074,781	TANYILDIZI, YASEMIN	3,074,338	SECRETARY, DEPARTMT	
STEWART, ALEX	3,074,683	TAO, MENG YING	3,074,616	OF HEALTH AND HUMAN	
STEWART, KRISTIN	3,074,686	TARRAGO MINGO,		SERVICES	3,074,914
STEWART, MICHAEL	3,074,629	SANTIAGO	3,074,911	THE UNIVERSITY OF	
STOELEN, MARTIN	3,074,666	TASLER, STEFAN	3,074,891	BRISTOL	3,074,593
STONE, I. VIOLETTA	3,074,421	TASLY		THEILE, JONATHAN	3,074,865
STOWELL, JEFFREY	3,075,001	BIOPHARMACEUTICALS		THERMWOOD CORPORATION	3,074,997
STRIM, INC.	3,074,996	CO., LTD.	3,074,755	THERMWOOD CORPORATION	3,074,998
STRONG, SHADRIAN	3,074,505	TAYLOR, ERIC	3,074,685	THOMAS, ANJA	3,074,771
STUDER, LORENZ	3,075,036	TCHIEU, JASON	3,075,036	THOMAS, JONATHAN P.	3,074,754
STURM, JAMES C.	3,074,495	TEAGUE, PHILIP	3,074,683	THOMAS, MATTHEW R.	3,074,496
SU, MINGSHUN	3,074,500	TENNY, NATHAN EDWARD	3,074,882	THOMPSON, MARK ANDREW	3,074,412
SUBIRY, JUAN C.	3,074,444	TEPHA, INC.	3,074,733	THOMPSON, PHILLIP R	3,074,947
SUBRAMANIAN, SUNDAR	3,074,471	TEREM, MENASHE	3,074,680	THOMSON, ANDREW J.	3,074,724
SUDER, JIMMY L.	3,074,427	TERRA INSPECTIONEERING		THORNE, JASON B.	3,074,500
SUDWOLLE GMBH & CO. KG.	3,074,642	B.V.	3,074,585	THORNTON TOMASETTI	
SUMITOMO CHEMICAL		TESLOVICH DOSTAL, TONYA	3,074,682	DEFENCE LIMITED	3,074,947
COMPANY, LIMITED	3,074,990	TETSUTANI, SHIGEKATSU	3,074,700	THOUVAY, STEPHANE	3,074,642
SUMITOMO DAINIPPON		TEXECOM LIMITED	3,074,665	THRESS, JOHN C.	3,074,564
PHARMA CO., LTD.	3,074,426	THE BOARD OF TRUSTEES OF		THYSSENKRUPP UHDE	
SUMITOMO DAINIPPON		THE LELAND STANFORD		CHLORINE ENGINEERS	
PHARMA CO., LTD.	3,074,981	JUNIOR UNIVERSITY	3,074,872	GMBH	3,074,795
SUN, JING	3,074,605	THE CHILDREN'S HOSPITAL		TIAN, CHUN	3,074,752
SUN, JING	3,074,646	OF PHILADELPHIA	3,075,035	TIAN, CHUN	3,074,756
SUPERIOR SHOOTING		THE LUBRIZOL		TIAN, CHUN	3,074,757
SYSTEMS, INC. (TX		CORPORATION	3,074,434	TIAN, JIE	3,074,761
CORP.)	3,074,695	THE PROCTER & GAMBLE		TIEDEMANN, LOTHAR	3,074,895
SURAPANENI, KALYAN	3,074,955	COMPANY	3,074,494	TIMM, RICHARD WILLIAM	3,074,438
SURESH, VISWANATH		THE PROCTER & GAMBLE		TINJUST, DAVID	3,074,608
YARANGATTA	3,074,825	COMPANY	3,074,511	TIPTON, KIMBERLY ANN	3,074,688
SURPIN, MARCI ANN	3,074,868	THE PROCTER & GAMBLE		TIRMED PHARMA AB	3,074,634
SUSNJARA, KENNETH J.	3,074,997	COMPANY	3,074,513	TISCHLER, KURT	3,074,772
SUSNJARA, KENNETH J.	3,074,998	THE PROCTER & GAMBLE		TISSBERGER, BORIS	3,074,401
SUTTA, PETERS	3,074,654	COMPANY	3,074,515	TODD, MIKE	3,074,740
SUTTON, DOUGLAS	3,074,477	THE PROCTER & GAMBLE		TOLBERT, JOHN W.	3,074,709
SYNERGY BLUE, LLC	3,074,507	COMPANY	3,074,610	TOMGROW LTD.	3,074,653
SYNOVA S.A.	3,074,403	THE PROCTER & GAMBLE		TOMIKAWA, KOUJI	3,074,700
SZCZEPANKIEWICZ, FILIP	3,074,649	COMPANY	3,074,613	TORAY INDUSTRIES, INC.	3,074,676
SZE HAGENUK GMBH	3,074,767	THE PROCTER & GAMBLE		TORMO MAS, MARIA	
SZUL, JOHN F.	3,074,827	COMPANY	3,074,713	ANGELES	3,074,815
TADOKORO, TAKAHIRO	3,074,587	THE PROCTER & GAMBLE		TORQUE THERAPEUTICS,	
TAGUCHI, SOUMA	3,074,410	COMPANY	3,074,738	INC.	3,074,826
TAIHO PHARMACEUTICAL		THE PROCTER & GAMBLE		TORQUE THERAPEUTICS,	
CO., LTD.	3,074,418	COMPANY	3,074,934	INC.	3,075,027
TAILOR, DILIP	3,074,601	THE PROCTER & GAMBLE		TORRES, ANTHONY C.	3,074,510
TAKAGI, MASAKI	3,074,989	COMPANY	3,074,938	TOTA, DESISLAVA	3,074,925
TAKAHASHI, MASAYO	3,074,426	THE PROVOST, FELLOWS		TOTAL RAFFINAGE CHIMIE	3,074,607
TAKAHASHI, YOSHIMASA	3,074,581	AND SCHOLARS OF THE		TOURNOUX, MONICA R.	3,074,494
TAKANASHI, YOSUKE	3,074,981	COLLEGE OF THE HOLY		TOUSSAINT, NATHALIE Y.	3,074,565
TAKEDA, KAZUKI	3,074,966	AND UNDIVED TRINITY		TRAINOR, NUALA	3,074,448
TALBOTT, SHAWN	3,074,439	OF QUEEN ELIZABETH,		TRANSITIONS OPTICAL, LTD.	3,074,764
TALJAARD, PHILIPPUS		NEAR DUBLIN	3,074,398	TREE-LUBE LTD.	3,074,673
PETRUS ERASMUS	3,074,343			TREWIN, JOHN	3,074,568

Index des demandes PCT entrant en phase nationale

TRON - TRANSLATIONALE		UNIVERSITY OF FLORIDA		VOICEAGE CORPORATION	3,074,750
ONKOLOGIE AN DER		RESEARCH		VOLAKAKIS, EMMANOUIL	3,074,624
UNIVERSITÄTSMEDIZIN		FOUNDATION,		VOLAKAKIS, EMMANOUIL	3,074,630
DER		INCORPORATED	3,074,466	VOLK, MARTIN	3,074,333
JOHANNEGUTENBERG-		UNIVERSITY OF MARYLAND,		VON ASWEGE, ENNO	3,074,397
UNIVERSITÄT MAINZ		BALTIMORE	3,074,495	VON DER HEYDT, JANA	3,074,362
GEMEINNUTZIGE GMBH	3,074,919	UNIVERSITY OF MARYLAND,		VON TSCHARNER, VINZENZ	3,074,627
TROPIC BIOSCIENCES UK		COLLEGE PARK	3,074,600	VORBERG, GERALD	3,074,650
LIMITED	3,074,946	UNIVERSITY OF		VOUTILAINEN, ARTO	3,074,922
TROPIC BIOSCIENCES UK		MASSACHUSETTS	3,074,723	VU, HONG	3,066,286
LIMITED	3,074,948	UNIVERSITY OF		VYSOKA SKOLA CHEMICKO-	
TRUDEAU, JEFFREY L.	3,074,834	PITTSBURGH-OF THE		TECHNOLOGICKA V	
TSENG, LING-FANG	3,074,843	COMMONWEALTH		PRAZE	3,066,286
TSENG, LING-FANG	3,074,845	SYSTEM OF HIGHER		W. L. GORE & ASSOCIATES,	
TSOLIS, GEORGIOS	3,074,452	EDUCATIO	3,074,457	INC.	3,074,941
TSUBOTA, SHOGO	3,074,410	UNIVERSITY OF PLYMOUTH	3,074,666	WADAGAMI KAZUYO	3,074,968
TSUSHIMA, YUJI	3,074,663	URWIN, CHARLOTTE	3,074,639	WAGLE, VIKRANT	3,074,465
TUBB, G. DAVID	3,074,695	USG INTERIORS, LLC	3,074,659	WAGLE, VIKRANT	3,074,489
TUCK, SAM	3,074,461	UTSUNOMIYA, MASAMICHI	3,074,676	WAGLE, VIKRANT	3,074,499
TURBA, TIM F.	3,074,866	VAAL, SCOTT G.	3,074,997	WAGNER, ANDREW V.	3,074,460
TURNER, SARA A.	3,074,843	VAAL, SCOTT G.	3,074,998	WAGNER, ROBERT D.	3,074,864
TURNER, SARA A.	3,074,845	VACHAL, PETR	3,074,565	WALCZYK, WOLFGANG	3,074,521
TURNER, STEPHEN	3,074,707	VALENT BIOSCIENCES LLC	3,074,868	WALCZYK, WOLFGANG	3,074,523
TUTTLE, LORI	3,074,873	VALENTI, DOMINICK JOSEPH	3,074,738	WALDMANN, LUDGER	3,074,521
TWEEL, LAUREN	3,074,651	VAN DAELE, MARC	3,074,441	WALDMANN, LUDGER	3,074,523
TX MEDIC AB	3,074,987	VAN DEN BERGH, KRIS	3,074,892	WALLSTROM, ERIK	3,074,416
UAB FERENTIS	3,074,428	VAN DER BIEST, GOEDELE	3,074,658	WALTER, THOMAS	3,075,025
UATC, LLC	3,074,464	VAN DER PLAS, STEVEN		WALTERS, EDWARD J.	3,074,563
UBER TECHNOLOGIES, INC.	3,074,821	EMIEL	3,074,945	WALTHER, ANDRE	3,074,602
UCHITEL, ILAN OLEG	3,074,809	VAN DRUTEN, WIEBE		WANG, CUIHONG	3,074,616
UEHARA, YOSUKE	3,074,423	NICOLAAS	3,074,573	WANG, DING	3,074,885
UIJTDEBROEKS, HUGO	3,074,862	VAN HAESDONCK, INGRID	3,074,658	WANG, GANG	3,074,331
ULDRIDGE, MARC		VAN HATTUM, EDGAR-		WANG, JIACHENG	3,074,761
JONATHAN	3,074,742	JOHANNES	3,074,767	WANG, JIAN	3,074,514
UNCHARTED POWER, INC.	3,074,651	VAN INGELGEM, WERNER	3,074,884	WANG, MING	3,074,841
UNDERKOFER, ABRAHAM		VAN OORT, MARTINUS		WANG, NANNAN	3,074,761
M.	3,074,659	GERARDUS	3,074,623	WANG, PENGYIN	3,074,755
UNITED STATES GYPSUM		VAN SETERS, MARTIJN		WANG, XIAOQING	3,074,813
COMPANY	3,074,860	PIETER	3,074,837	WANG, XUEQING	3,074,945
UNITED STATES GYPSUM		VASUDEVAN, KALYAN	3,074,923	WANG, YIBO	3,074,755
COMPANY	3,074,873	VDMS CANADA INC.	3,074,930	WANG, YUANBO	3,074,560
UNIVATION TECHNOLOGIES,		VELILLA, SIMPLICIO	3,074,697	WANG, YUYU	3,074,526
LLC	3,074,827	VENUGOPAL, PRASHANTH	3,074,501	WANG, YUZHANG	3,074,616
UNIVERSAL CITY STUDIOS		VERANO, ALYSSA	3,074,459	WANG, ZHONGCHENG	3,074,603
LLC	3,074,469	VERB SURGICAL INC.	3,074,438	WANG, ZIJUN	3,074,616
UNIVERSAL CITY STUDIOS		VERDINE, GREGORY L.	3,074,838	WARD, ANTHONY	3,074,495
LLC	3,074,492	VERGARA, DANIELA	3,074,510	WARNER, TIMOTHY	3,074,942
UNIVERSITÄT BASEL	3,074,798	VERMEULEN, ALEXANDER		WASHINGTON, GEORG	3,074,507
UNIVERSITÄT DE VALENCIA	3,074,913	CHRISTIAN	3,074,420	WATANABE, FUMITAKA	3,074,676
UNIVERSITÄT POLITECNICA		VERSTRAELEN, JESSICA	3,074,577	WATANABE, HIROSHI	3,074,570
DE VALENCIA	3,074,815	VERTECHS OIL & GAS		WATANABE, NATSUKI	3,074,582
UNIVERSITÄT ROVIRA I		TECHNOLOGY CO., LTD.	3,061,414	WATANABE, TODD	3,074,432
VIRGILI	3,074,815	VERVAET, BART	3,074,862	WATER PIK, INC.	3,074,864
UNIVERSITÄT ZÜRICH	3,074,536	VIDAL, JORGE ERNESTO	3,074,944	WATT FUEL CELL CORP.	3,074,863
UNIVERSITÄTSMEDIZIN DER		VILLANUEVA, DINARA A.	3,074,843	WATT, ANDREW T.	3,074,739
JOHANNES GUTENBERG-		VILLANUEVA, DINARA A.	3,074,845	WAUER, GABRIEL	3,074,636
UNIVERSITÄT MAINZ	3,074,338	VINOGRADOVA, MAIA	3,075,034	WAYMO LLC	3,074,699
UNIVERSITE D'AIX-		VISTROM, ERIK	3,074,779	WEATHERFORD	
MARSEILLE	3,074,933	VITRO FLAT GLASS LLC	3,074,460	TECHNOLOGY	
UNIVERSITE DE MONTREAL	3,074,626	VITT, DANIEL	3,074,891	HOLDINGS, LLC	3,074,844
UNIVERSITY HEALTH		VMWARE, INC.	3,074,501	WEATHERFORD	
NETWORK	3,074,876	VOELKER, COREY D.	3,074,408	TEHCNOLOGY	
UNIVERSITY OF		VOGELSANG, SUSANNE	3,074,775	HOLDINGS, LLC	3,074,830
COPENHAGEN	3,074,784	VOICEAGE CORPORATION	3,074,749		

Index of PCT Applications Entering the National Phase

WEATHERFORD U.K. LIMITED	3,074,668	XIAO, GANG	3,074,560	ZHU, PENGWEI	3,074,760
WEBSTER, NICHOLAS S.	3,074,941	XIAO, WENJIN	3,074,593	ZIDAN MEDICAL, INC.	3,074,697
WEICHBRODT, REINHOLD	3,074,888	XIAO, XIAO	3,074,514	ZIELONKA, STEFAN	3,074,483
WEINSTOCK, EYAL	3,074,406	XIE, HONG	3,074,889	ZIMMER, BASTIAN	3,075,036
WELLMANN, SVEN	3,074,798	XIE, ZIJIAN	3,074,643	ZINCHENKO, MARYNA	3,074,645
WELLS, DAGAN	3,074,689	XIFRE PEREZ, ELISABET	3,074,815	ZISIMOPOULOS, HARIS	3,075,021
WENG, JINGJING	3,074,756	XIPAN INC.	3,074,597	ZISKIND, ILYA	3,074,504
WENNER, NICHOLAS	3,074,740	XU, HAIBO	3,074,514	ZOHAR, EYAL	3,074,501
WERNER, DENNIS	3,074,645	XU, HANQING	3,074,596	ZST HOLDINGS, INC.	3,074,409
WEST, GRANT	3,074,780	XU, WEI	3,074,873	ZTE CORPORATION	3,074,596
WEST, GRANT	3,074,781	XU, XIAOSHU	3,074,872	ZUNIGA, JOSE	3,074,944
WHAM, BRETT J.	3,074,941	XU, YINGQING	3,074,562	ZUR, SHACHAR	3,074,673
WHATLEY, ALEXANDER	3,074,947	XU, ZHIYUE	3,074,562	ZVARA, STEPHEN	3,074,447
WHELCHER, RICKY	3,074,942	XYZ REALITY LIMITED	3,074,940	ZVARA, STEPHEN	3,074,512
WHITAKER, KEIRAN CAMILO OLIVARES	3,074,664	YADAV, VIKRAMADITYA G.	3,074,748	ZWICKL, LIRAN	3,074,874
WHITE, THEODORE CHARLES	3,074,722	YAMADA, KENTARO	3,074,822		
WHITFILL, TRAVIS MICHAEL	3,074,823	YAMASAKI, SUGURU	3,074,426		
WHITTON, PETER	3,062,246	YANAI, EIJI	3,074,679		
WIEHL, WOLFGANG	3,074,620	YANG, LING	3,074,596		
WIGGERS, ROBERT T.	3,074,438	YANG, NING	3,074,881		
WIGGINS, BRIAN	3,074,479	YANG, ROBERT	3,074,500		
WILBAUX, MELANIE	3,074,798	YANG, YONGKUN	3,074,526		
WILDES, DAVID E.	3,074,690	YASUDA, KOUBUN	3,074,421		
WILES, CHRISTOPHER J.	3,074,729	YEDA RESEARCH AND DEVELOPMENT CO. LTD. AT THE WEIZMANN INSTITUTE OF SCNCE	3,074,406		
WILEY, MICHAEL ROBERT	3,074,813	YEUNG, MING C.	3,074,945		
WILHELM, JURI	3,074,576	YOHE, SARA L.	3,074,704		
WILLIAMS, BRETT ALLYN	3,074,696	YOSHIMOTO, TOMOHIRO	3,074,421		
WILLIAMS, MICHAEL	3,074,923	YOSHINO GYPSUM CO., LTD.	3,074,828		
WILLIAMS, RYAN	3,074,999	YOU, CHUNCHENG	3,074,760		
WILLIAMS, SIMON F.	3,074,733	YOUNGBLOOD, JEFFREY PAUL	3,074,848		
WILLIS, CAMERON ROBERT	3,074,412	YUAN, HONGBIN	3,074,885		
WILSON, DALE O.	3,074,868	YUAN, ZEWANG	3,074,757		
WINTERHOLER, DANIEL	3,074,578	ZAHLER, NATHAN	3,074,865		
WINTERS, MICHAEL ALBERT	3,074,714	ZAJA, MIRKO	3,074,891		
WITTKER, ANJA MONIKA	3,074,769	ZAK, NAOMI	3,074,406		
WITTY, DAVID R.	3,074,923	ZANATTA, SAMUELE	3,074,893		
WOBLEN PROPERTIES GMBH	3,064,028	ZELLER, PETER J.	3,074,941		
WOBLEN PROPERTIES GMBH	3,074,397	ZENG, QIJUN	3,061,414		
WOBLEN PROPERTIES GMBH	3,074,399	ZERR, RONALD L.	3,074,695		
WOBLEN PROPERTIES GMBH	3,074,576	ZHANG, HANWEN	3,074,756		
WOLF, CHRISTIAN	3,074,416	ZHANG, HONG	3,074,561		
WOLFE, ROARK N.	3,074,941	ZHANG, KAI	3,074,701		
WOLTERING, PETER	3,074,795	ZHANG, KAI	3,074,931		
WONG, DENNIS	3,074,601	ZHANG, LI	3,074,701		
WONG, HING C.	3,074,635	ZHANG, LIHUA	3,074,755		
WOODALL, JEFFREY M.	3,074,456	ZHANG, SHUHONG	3,074,616		
WOODALL, JEFFREY M.	3,074,479	ZHANG, YI	3,074,827		
WOODALL, JOSEPH M.	3,074,735	ZHANG, ZHIHUI	3,074,562		
WOODSIDE ENERGY TECHNOLOGIES PTY LTD	3,074,747	ZHAO, DENNIS	3,074,464		
WOOLARD, DEREK D.	3,074,868	ZHAO, XIN	3,074,931		
WORLEY, WILLIAM G.	3,074,717	ZHAO, YAJUN	3,074,596		
WORTMAN, SETH ANDREW	3,074,887	ZHENG, RENJIAN	3,074,760		
WRIGHT, IAN	3,074,656	ZHOU, HONGYING	3,074,812		
WU, BEN	3,074,760	ZHOU, HUA	3,074,691		
WU, MENGLING	3,074,752	ZHOU, JIA	3,074,985		
WU, MENGLING	3,074,756	ZHOU, JIANFENG	3,074,526		
WU, MENGLING	3,074,757	ZHOU, JIHAO	3,074,618		
WUXI BIOLOGICS IRELAND LIMITED	3,074,524	ZHOU, LIQI	3,074,759		
XIANG, JUNCHENG	3,074,759	ZHU, DA	3,074,488		
XIAO, DONG	3,074,565	ZHU, GLORIA	3,074,866		

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH	3,073,785	EDWARDS LIFESCIENCES CORPORATION	3,063,758	HFI INNOVATION INC.	3,074,097
ARCONIC INC.	3,074,090	EDWARDS, CHRISTOPHER	3,074,077	HOLMES, DANIEL	3,073,722
ASLAKSEN, ODD ARNE	3,074,157	EKSTRAND, PER	3,074,098	HORHOLD, HEINER	3,073,912
BAATZ, MICHAEL	3,074,077	FECHER, STEFAN	3,073,912	HWANG, SUNG-OH	3,070,431
BAXTER HEALTHCARE S.A.	3,074,091	FELSEN, BELLA	3,063,758	INTERNATIONAL REFILLS COMPANY LTD.	3,074,060
BAXTER INTERNATIONAL INC.	3,074,091	FERGUSON, SAMUEL ANDREW	3,065,724	INTERNATIONAL REFILLS COMPANY LTD.	3,074,061
BECTON, DICKINSON AND COMPANY	3,073,731	FERGUSON, SAMUEL ANDREW	3,065,773	JACKSON, ROGER NEIL	3,065,724
BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.	3,072,656	FERGUSON, SAMUEL ANDREW	3,065,785	JACKSON, ROGER NEIL	3,065,773
BENICHO, NETANEL	3,063,758	FERGUSON, SAMUEL ANDREW	3,065,792	JACKSON, ROGER NEIL	3,065,785
BIS, TOMASZ	3,074,096	FERGUSON, SAMUEL ANDREW	3,065,805	JACKSON, ROGER NEIL	3,065,792
BRIEN, TREVOR	3,074,163	FERGUSON, SAMUEL ANDREW	3,065,829	JACKSON, ROGER NEIL	3,065,805
CALIFORNIA INNOVATIONS INC.	3,074,077	FERGUSON, SAMUEL ANDREW	3,065,834	JACKSON, ROGER NEIL	3,065,829
CATY, PATRICK	3,073,752	FERNO-WASHINGTON, INC.	3,073,768	JACKSON, ROGER NEIL	3,065,834
CICCOLA, GABRIELE F.	3,074,090	FERRELL, GARRETT JACOB	3,073,752	KALOUS, SCOTT	3,074,082
CLOUTIER, BRUCE S.	3,074,225	FLOYD, GREG	3,073,752	KEARNS, WILLIAM	3,074,077
COLVIN, ARTHUR E.	3,073,586	FORBES, JAMES W.	3,074,096	KHANNA, RAJESH	3,063,758
DALLAIRE, ANTOINE	3,073,752	FRATARCANGELI, SILVIA	3,073,703	KHATTAB, MOHAMED A.	3,074,096
DAVIS, WILLIAM R.	3,074,096	FRESENIUS KABI DEUTSCHLAND GMBH	3,073,703	KHEMANI, MANISH	3,073,785
DEARDEN, BRIAN R.	3,073,785	FU, JINQIANG	3,072,656	KOCH, DALE M.	3,073,773
DEGUDENT GMBH	3,073,912	GIDDES, RICHARD	3,073,731	KRETZLER, RANDAL SCOTT	3,073,722
DEHENNIS, ANDREW	3,073,586	GILL, AARON MICHAEL	3,065,724	KUTZNER, MARTIN	3,073,912
DEL RIO, ALESSANDRA	3,073,703	GILL, AARON MICHAEL	3,065,773	LAMBETH, DAVID N.	3,074,225
DENG, DA	3,065,724	GILL, AARON MICHAEL	3,065,785	LANDMARK GRAPHICS CORPORATION	3,074,135
DENG, DA	3,065,773	GILL, AARON MICHAEL	3,065,792	LARSSON, BENGT I.	3,073,722
DENG, DA	3,065,785	GILL, AARON MICHAEL	3,065,805	LAVINS, NATHANIEL R.	3,065,724
DENG, DA	3,065,792	GILL, AARON MICHAEL	3,065,829	LAVINS, NATHANIEL R.	3,065,773
DENG, DA	3,065,805	GILL, AARON MICHAEL	3,065,834	LAVINS, NATHANIEL R.	3,065,785
DENG, DA	3,065,829	GILL, AARON MICHAEL	3,065,829	LAVINS, NATHANIEL R.	3,065,792
DENG, DA	3,065,834	GRICE, BYRON K.	3,073,632	LAVINS, NATHANIEL R.	3,065,805
DENHAM, NIALL CHRISTOPHER	3,065,724	GUERIN, THOMAS	3,065,724	LAVINS, NATHANIEL R.	3,065,829
DENHAM, NIALL CHRISTOPHER	3,065,773	GUERIN, THOMAS	3,065,773	LAVINS, NATHANIEL R.	3,065,834
DENHAM, NIALL CHRISTOPHER	3,065,785	GUERIN, THOMAS	3,065,785	LEAHY, RONAN PATRICK	3,065,724
DENHAM, NIALL CHRISTOPHER	3,065,792	GUERIN, THOMAS	3,065,792	LEAHY, RONAN PATRICK	3,065,773
DENHAM, NIALL CHRISTOPHER	3,065,805	GUERIN, THOMAS	3,065,805	LEAHY, RONAN PATRICK	3,065,785
DENHAM, NIALL CHRISTOPHER	3,065,829	GUERIN, THOMAS	3,065,829	LEAHY, RONAN PATRICK	3,065,792
DENHAM, NIALL CHRISTOPHER	3,065,834	GURSEL, METE	3,065,834	LEAHY, RONAN PATRICK	3,065,805
DENTSPLY SIRONA INC.	3,073,912	GURSEL, METE	3,065,724	LEAHY, RONAN PATRICK	3,065,829
DOLBY INTERNATIONAL AB	3,074,098	GURSEL, METE	3,065,773	LEAHY, RONAN PATRICK	3,065,834
DOYLE, TIMOTHY P.	3,074,090	GURSEL, METE	3,065,785	LEVI, TAMIR	3,063,758
DYNAMICS INC.	3,074,225	GURSEL, METE	3,065,792	LI, ZANG	3,072,656
		GURSEL, METE	3,065,805	LIN, JEN C.	3,074,090
		GURSEL, METE	3,065,829	LIU, SHAN	3,074,097
		GURSEL, METE	3,065,834	LIU, YANGBIAO	3,072,656
		HARITOU, LLIA	3,063,758	MACCOURT, KIERAN	3,074,082
		HAYES, GRAHAM M.	3,073,752	MAINVILLE, PATRICK	3,073,752
		HAYWARD INDUSTRIES, INC.	3,073,752	MALOTT, DALE G.	3,073,632
		HERRMANN, JEFF L.	3,074,180	MARCIANO, EDWARD LAWRENCE	3,073,752
				MARTIN, CHRIS	3,065,724
				MARTIN, CHRIS	3,065,773
				MARTIN, CHRIS	3,065,785
				MARTIN, CHRIS	3,065,792

**Index of Canadian Divisional and Previously Unavailable
Applications Open to Public Inspection**

MARTIN, CHRIS	3,065,805	STEWART, SCOTT JAMES	3,065,792	ZABEL, NAOMI KALIA	
MARTIN, CHRIS	3,065,829	STEWART, SCOTT JAMES	3,065,805	WILLIAMS	3,065,773
MARTIN, CHRIS	3,065,834	STEWART, SCOTT JAMES	3,065,829	ZABEL, NAOMI KALIA	
MASTER LOCK COMPANY LLC	3,074,082	STEWART, SCOTT JAMES	3,065,834	WILLIAMS	3,065,792
MELLO, BRIAN	3,074,180	SULLIVAN, SHAWN P.	3,074,090	ZABEL, NAOMI KALIA	
MEYER, KARL	3,073,908	SWANHART, MACKENZIE		WILLIAMS	3,065,805
MINKUS, MARC S.	3,074,091	LEE	3,065,724	ZABEL, NAOMI KALIA	
MITCHELL, ELIZABETH	3,074,077	SWANHART, MACKENZIE		WILLIAMS	3,065,829
MOGIL, MELVIN S.	3,074,077	LEE	3,065,773	ZABEL, NAOMI KALIA	
MORAND, MICHEL	3,074,060	SWANHART, MACKENZIE		WILLIAMS	3,065,785
MORAND, MICHEL	3,074,061	LEE	3,065,785	ZENG, XIANYUE	3,072,656
NASSER, KAMAL	3,074,180	SWANHART, MACKENZIE			
NATIONAL STEEL CAR LIMITED	3,074,096	LEE	3,065,792		
NGUYEN, SOM	3,063,758	SWANHART, MACKENZIE			
NGUYEN-THIEN-NH, DIANA	3,063,758	LEE	3,065,829		
NITZAN, YAACOV	3,063,758	SWANHART, MACKENZIE			
ORTIZ, GARY	3,073,752	LEE	3,065,834		
OSUNA, OMAR ENRIQUE	3,073,752	TAN, CHRISTOPHER J.	3,074,090		
PARK, KYUNG-MO	3,070,431	TATTERSFIELD, ANDREW			
PEASTREL, MARK	3,073,752	JOHN ROY	3,065,724		
PELLED, ITAI	3,063,758	TATTERSFIELD, ANDREW			
PRECISION PLANTING LLC	3,073,773	JOHN ROY	3,065,773		
RAMASWAMY, ARUN	3,074,180	TATTERSFIELD, ANDREW			
REITER, JEFFREY	3,073,722	JOHN ROY	3,065,785		
RENIGAR, SETH DARRELL	3,073,752	TATTERSFIELD, ANDREW			
RHYU, SUNG-RYEUL	3,070,431	JOHN ROY	3,065,792		
RICHARDSON, ROSS	3,065,724	TATTERSFIELD, ANDREW			
RICHARDSON, ROSS	3,065,773	JOHN ROY	3,065,805		
RICHARDSON, ROSS	3,065,785	TATTERSFIELD, ANDREW			
RICHARDSON, ROSS	3,065,792	JOHN ROY	3,065,829		
RICHARDSON, ROSS	3,065,805	TATTERSFIELD, ANDREW			
RICHARDSON, ROSS	3,065,829	JOHN ROY	3,065,834		
RICHARDSON, ROSS	3,065,834	TEKESTE, GIRUM YEMANE	3,073,731		
RINALDI, GIANLUCA	3,073,703	TEUSCHER, SCOTT	3,073,752		
ROVITO, ANTON J.	3,074,090	THE HILLMAN GROUP, INC.	3,073,632		
SAMSUNG ELECTRONICS CO., LTD.	3,070,431	THE NIELSEN COMPANY (US), LLC	3,074,180		
SAUDER, GREGG A.	3,073,773	TURNER, JONATHAN	3,073,908		
SCHROEDER, TIMOTHY PAUL	3,073,768	VOLKL, LOTHAR	3,073,912		
SENSEONICS, INCORPORATED	3,073,586	WAYNE FUELING SYSTEMS LLC	3,073,722		
SHARKNINJA OPERATING LLC	3,065,724	WESLEY, AVINASH	3,074,135		
SHARKNINJA OPERATING LLC	3,065,773	WEST, JAMES C.	3,073,768		
SHARKNINJA OPERATING LLC	3,065,785	WHITE, EVAN JAMES	3,065,724		
SHARKNINJA OPERATING LLC	3,065,792	WHITE, EVAN JAMES	3,065,773		
SHARKNINJA OPERATING LLC	3,065,805	WHITE, EVAN JAMES	3,065,785		
SHARKNINJA OPERATING LLC	3,065,829	WHITE, EVAN JAMES	3,065,792		
SHARKNINJA OPERATING LLC	3,065,834	WHITE, EVAN JAMES	3,065,805		
SHARKNINJA OPERATING LLC	3,065,805	WHITE, EVAN JAMES	3,065,829		
SHARKNINJA OPERATING LLC	3,065,829	WHITE, EVAN JAMES	3,065,834		
SHARKNINJA OPERATING LLC	3,065,834	WILL, GARY E.	3,073,632		
SHELTON, ARTEMUS A.	3,073,722	WOLFE, JAMES H.	3,073,785		
SIRIUS TECHNOLOGY AS	3,074,157	WORKLEY, JAMES H.	3,074,225		
SONG, JAE-YEON	3,070,431	WRIGHT, DAVID H.	3,074,180		
STEPHENS, RICHARD	3,074,077	XPO LAST MILE, INC.	3,073,908		
STEWART, SCOTT JAMES	3,065,724	XU, XIAOZHONG	3,074,097		
STEWART, SCOTT JAMES	3,065,773	YU, PETER C.	3,074,135		
STEWART, SCOTT JAMES	3,065,785	ZABEL NAOMI KALIA WILLIAMS	3,065,834		
		ZABEL, NAOMI KALIA WILLIAMS	3,065,724		