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Canada



THE CANADIAN PATENT OFFICE RECORD

LA GAZETTE DU BUREAU DES BREVETS

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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	25
Canadian Applications Open to Public Inspection	
Demandes canadiennes mises à la disponibilité du public.....	93
PCT Applications Entering the National Phase	
Demandes PCT entrant en phase nationale	114
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	188
Index of Canadian Patents Issued	
Index des brevets canadiens délivrés	195
Index of Canadian Applications Open to Public Inspection	
Index des demandes canadiennes mises à la disponibilité du public	207
Index of PCT Applications Entering the National Phase	
Index des demandes PCT entrant en phase nationale	211
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	224

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:

None

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 :

Aucun

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 June 3, 2020

1. Transmittal Fee (Rule 14)	\$300
2. International Filing Fee	\$1961*
For each additional sheet over 30	\$22
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 3 juin 2020

1. Taxe de transmission (Règle 14)	300 \$
2. Taxe de dépôt internationale	1961 \$*
Pour chaque feuille au delà de 30	22 \$
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.

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. Late payment fee

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

4. Taxe pour paiement tardif

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

Preliminary Examination

Examen préliminaire

5. Handling fee (Rule 57.2(a)) \$295

5. Taxe de traitement (Règle 57.2a) 295 \$

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

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

* International fees will be reduced by:

* Les frais seront réduits de:

- **\$295** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **\$442** for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

- **295 \$** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **442 \$** 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. PCT Notices

12. Avis PCT

Patent Cooperation Treaty (PCT)

Traité de Coopération en matière de brevets (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.

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.

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

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 :

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

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

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

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

- 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

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

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

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

l'exception des jours fériés

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

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

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.

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

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. 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 April 12, 2022 contains applications open to public inspection from March 27, 2022 to April 2, 2022.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 12 avril 2022 contient les demandes disponibles au public pour consultation pour la période du 27 mars 2022 au 2 avril 2022.

Canadian Patents Issued

April 12, 2022

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[11] **2,557,690**
[13] C

[51] **Int.Cl. G01N 33/487 (2006.01) C12Q 1/00 (2006.01) G01N 27/416 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR IMPLEMENTING THRESHOLD BASED CORRECTION FUNCTIONS FOR BIOSENSORS**

[54] **PROCEDE ET APPAREIL DE MISE EN OEUVRE DE FONCTIONS DE CORRECTION BASEES SUR UN SEUIL POUR BIOCAPTEURS**

[72] MECKLENBURG, GEORGE A., US

[73] ASCENSIA DIABETES CARE HOLDINGS AG, CH

[85] 2006-08-28

[86] 2005-03-31 (PCT/US2005/011077)

[87] (WO2005/098424)

[30] US (60/557,907) 2004-03-31

[30] US (60/609,570) 2004-09-13

[11] **2,744,836**
[13] C

[51] **Int.Cl. A01H 5/10 (2018.01) A23L 7/10 (2016.01) A23L 7/20 (2016.01) A23L 33/105 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) C12C 1/00 (2006.01) C12C 1/18 (2006.01) C12C 7/00 (2006.01) C12C 11/00 (2006.01) C12C 12/00 (2006.01) C12N 15/01 (2006.01) C12N 15/54 (2006.01)**

[25] EN

[54] **BARLEY AND MALT-DERIVED BEVERAGES WITH LOW DMS LEVELS**

[54] **BOISSONS A BASE D'ORGE ET DE MALT PRESENTANT UN FAIBLE NIVEAU DE SULFURE DE DIMETHYLE (DMS)**

[72] KNUDSEN, SOREN, DK

[72] HAMBRAEUS, GUSTAV, SE

[72] BECH, LENE MOLSKOV, DK

[72] SORENSEN, STEEN, BECH, DK

[72] SKADHAUGE, BIRGITTE, DK

[72] BREDDAM, KLAUS, DK

[72] OLSEN, OLE, DK

[73] CARLSBERG BREWERIES A/S, DK

[73] HEINEKEN SUPPLY CHAIN B.V., NL

[85] 2011-05-26

[86] 2009-12-01 (PCT/DK2009/050315)

[87] (WO2010/063288)

[30] DK (200801708) 2008-12-03

[11] **2,792,798**
[13] C

[51] **Int.Cl. F16K 11/00 (2006.01) F15D 1/02 (2006.01) F16K 31/64 (2006.01) F16K 47/00 (2006.01)**

[25] EN

[54] **METHODS AND APPARATUS FOR CREATING TURBULENCE IN A THERMOSTATIC MIXING VALVE**

[54] **METHODES ET APPAREIL POUR CREER DE LA TURBULENCE DANS UN MITIGEUR THERMOSTATIQUE**

[72] BAKER, THOMAS R., US

[73] MAGARL, LLC, US

[86] (2792798)

[87] (2792798)

[22] 2012-10-22

[30] US (61/550,396) 2011-10-22

[11] **2,799,165**
[13] C

[51] **Int.Cl. C40B 30/00 (2006.01) C40B 40/10 (2006.01) G01N 33/48 (2006.01)**

[25] EN

[54] **DIAGNOSTIC MARKERS FOR NEUROPSYCHIATRIC DISEASE**

[54] **MARQUEURS DIAGNOSTIQUES POUR MALADIE NEUROPSYCHIATRIQUE**

[72] SCHUTZER, STEVEN E., US

[73] SCHUTZER, STEVEN E., US

[85] 2012-11-09

[86] 2011-05-12 (PCT/US2011/000843)

[87] (WO2011/142827)

[30] US (61/395,354) 2010-05-12

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[11] **2,799,505**
[13] C

- [51] **Int.Cl. A61B 18/12 (2006.01) A61B 18/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TISSUE ABLATION**
[54] **SYSTEMES ET PROCEDES D'ABLATION DE TISSU**
[72] WRIGHT, ROBERT E., US
[72] BRANDT, SCOTT A., US
[73] STRATUS MEDICAL, LLC, US
[85] 2012-11-15
[86] 2011-05-04 (PCT/US2011/035253)
[87] (WO2011/146243)
[30] US (61/347,351) 2010-05-21
[30] US (61/357,894) 2010-06-23
[30] US (61/357,886) 2010-06-23

[11] **2,804,214**
[13] C

- [51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/713 (2006.01) A61P 35/00 (2006.01) C12N 5/10 (2006.01) C07H 21/02 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR THE SPECIFIC INHIBITION OF BETA-CATENIN BY DOUBLE-STRANDED RNA**
[54] **PROCEDES ET COMPOSITIONS POUR L'INHIBITION SPECIFIQUE DE BETA-CATENINE PAR ARN DOUBLE BRIN**
[72] BROWN, BOB DALE, US
[72] DUDEK, HENRYK T., US
[73] DICERNA PHARMACEUTICALS, INC., US
[85] 2012-12-31
[86] 2011-07-01 (PCT/US2011/042820)
[87] (WO2012/006243)
[30] US (61/361,776) 2010-07-06

[11] **2,807,561**
[13] C

- [51] **Int.Cl. C12N 9/88 (2006.01) C12N 1/22 (2006.01) C12N 9/10 (2006.01) C12P 5/00 (2006.01) C12Q 1/48 (2006.01) D21C 5/00 (2006.01)**
[25] EN
[54] **PRODUCTION OF MALONYL-COA DERIVED PRODUCTS VIA ANAEROBIC PATHWAYS**
[54] **PRODUCTION DE PRODUITS DERIVES DU MALONYL-COA PAR VOIE ANAEROBIE**
[72] SILLERS, WILLIAM RYAN, US
[72] TRIPATHI, SHITAL A., US
[72] SHAW, ARTHUR J. IV, US
[72] ARGYROS, AARON, US
[72] HOGSETT, DAVID A., US
[73] LALLEMAND HUNGARY LIQUIDITY MANAGEMENT LLC, HU
[85] 2013-02-05
[86] 2011-08-05 (PCT/US2011/046869)
[87] (WO2012/019175)
[30] US (61/371,582) 2010-08-06

[11] **2,809,713**
[13] C

- [51] **Int.Cl. A61H 35/02 (2006.01) F16K 11/10 (2006.01) F16K 31/64 (2006.01) E03C 1/00 (2006.01)**
[25] EN
[54] **EMERGENCY WASH SYSTEM**
[54] **SYSTEME DE NETTOYAGE D'URGENCE**
[72] EVELEIGH, ROBERT B., US
[72] BAKER, THOMAS R., US
[72] WEST, CAMERON, US
[72] BOLIN, LORI, US
[73] MAGARL, LLC, US
[86] (2809713)
[87] (2809713)
[22] 2013-03-15
[30] US (61/611,517) 2012-03-15
[30] US (61/670,157) 2012-07-11
[30] US (61/767,045) 2013-02-20

[11] **2,813,034**
[13] C

- [51] **Int.Cl. B66D 1/395 (2006.01) B66D 1/30 (2006.01) B66D 1/36 (2006.01) B66D 1/40 (2006.01)**
[25] EN
[54] **LEVEL WIND ASSEMBLY FOR A WINCH DRUM INCLUDING A TENSIONING ARM**
[54] **ENSEMBLE D'ENROULEMENT UNIFORME POUR UN TAMBOUR DE TREUIL COMPRENANT UN BRAS DE TENSION**
[72] XYDIAS, HARRY, AU
[73] XYDIAS, HARRY, AU
[85] 2013-03-28
[86] 2011-09-29 (PCT/AU2011/001242)
[87] (WO2012/040777)
[30] AU (2010224459) 2010-09-29

[11] **2,821,032**
[13] C

- [51] **Int.Cl. A61K 31/7036 (2006.01) A61K 31/00 (2006.01) A61K 31/145 (2006.01)**
[25] EN
[54] **A COMPOSITION COMPRISING AN ANTIBIOTIC AND A DISPERSANT OR AN ANTI-ADHESIVE AGENT**
[54] **COMPOSITION COMPRENANT UN ANTIBIOTIQUE ET UN DISPERSANT OU UN AGENT ANTIADHESIF**
[72] O'NEIL, DEBORAH, GB
[72] CHARRIER, CEDRIC, GB
[73] NOVABIOTICS LIMITED, GB
[85] 2013-06-10
[86] 2011-12-14 (PCT/GB2011/001721)
[87] (WO2012/080700)
[30] GB (1021186.0) 2010-12-14
[30] US (61/423,000) 2010-12-14

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[13] C

[51] **Int.Cl. C07K 7/04 (2006.01) C07K 7/54 (2006.01) C07K 7/64 (2006.01) C07K 14/54 (2006.01)**

[25] EN

[54] **ANTI-IL-6 VACCINE COMPOSITION**

[54] **COMPOSITION DE VACCIN ANTI-IL-6**

[72] DESALLAIS, LUCILLE, FR

[72] MONTES, MATTHIEU, FR

[72] ZAGURY, JEAN-FRANCOIS, FR

[73] PEPTINOV SAS, FR

[85] 2014-01-30

[86] 2012-08-09 (PCT/IB2012/001998)

[87] (WO2013/021284)

[30] FR (11 57267) 2011-08-09

[30] US (61/521,533) 2011-08-09

[11] **2,844,850**
[13] C

[51] **Int.Cl. B66F 9/12 (2006.01)**

[25] EN

[54] **NARROW AISLE LOAD HANDLER FOR A VEHICLE**

[54] **ENGIN DE MANUTENTION DE CHARGES POUR ALLEES ETROITES POUR UN VEHICULE**

[72] SMILEY, GREGORY W., US

[73] THE RAYMOND CORPORATION, US

[86] (2844850)

[87] (2844850)

[22] 2014-03-05

[30] US (13/793,018) 2013-03-11

[11] **2,845,897**
[13] C

[51] **Int.Cl. B65D 33/25 (2006.01) B65D 50/00 (2006.01)**

[25] EN

[54] **CHILD RESISTANT POUCH HAVING RECLOSABLE ZIPPER AND METHODS**

[54] **POCHE A L'EPREUVE DES ENFANTS COMPORTANT UNE FERMETURE A GLISSIERE REFERMABLE ET PROCEDES**

[72] HECKMAN, GREGORY S., US

[73] REYNOLDS PRESTO PRODUCTS INC., US

[86] (2845897)

[87] (2845897)

[22] 2014-03-11

[30] US (61/790,935) 2013-03-15

[11] **2,846,650**
[13] C

[51] **Int.Cl. A61B 5/024 (2006.01) A61B 5/1455 (2006.01)**

[25] EN

[54] **PPG MEASUREMENT OF ARTERIAL HEALTH USING DISEASE LIBRARY**

[54] **MESURE PPG D'UN ETAT ARTERIEL AU MOYEN D'UNE BIBLIOTHEQUE DE MALADIES**

[72] ZHANG, MICHAEL, CA

[72] FAN, ZHAOPENG, CA

[72] RING, MARSHALL, CA

[72] KOROSCIL, SARA, CA

[72] KEENAN, DAVID, CA

[72] LEFEVRE, GERALD, CA

[73] ARTERIAL STIFFNESS INC, CA

[85] 2014-02-26

[86] 2011-09-20 (PCT/CA2011/050577)

[87] (WO2012/037679)

[30] US (61/384,437) 2010-09-20

[11] **2,846,740**
[13] C

[51] **Int.Cl. A47G 25/10 (2006.01) A47G 29/00 (2006.01)**

[25] EN

[54] **COLLAPSIBLE HAT RACK**

[54] **SUPPORT DE CHAPEAU PLIABLE**

[72] ERICKSON, DENNIS, US

[73] ERICKSON, DENNIS, US

[86] (2846740)

[87] (2846740)

[22] 2014-03-14

[30] US (61/798,792) 2013-03-15

[11] **2,846,981**
[13] C

[51] **Int.Cl. B60P 3/22 (2006.01)**

[25] EN

[54] **BAFFLED FLUID TANK WITH STAIRWAY ACCESS**

[54] **CITERNE DE FLUIDE CLOISONNEE AVEC ACCES PAR ESCALIER**

[72] REYNOLDS, FREDERICK J., US

[72] TAYLOR, SCOTT, US

[73] AUSTIN ENGINEERING USA SERVICES, INC., US

[85] 2014-02-26

[86] 2012-12-07 (PCT/US2012/068487)

[87] (WO2013/095954)

[30] US (61/579,543) 2011-12-22

[11] **2,851,461**
[13] C

[51] **Int.Cl. E06B 1/70 (2006.01) E04G 23/02 (2006.01)**

[25] EN

[54] **SILL ASSEMBLY FOR A DOOR FRAME**

[54] **ENSEMBLE SEUIL POUR CADRE DE PORTE**

[72] PETTA, GABRIEL, CA

[73] ALPA LUMBER INC., CA

[86] (2851461)

[87] (2851461)

[22] 2014-05-06

[30] US (61/819719) 2013-05-06

[11] **2,857,326**
[13] C

[51] **Int.Cl. A47K 5/12 (2006.01) B67D 7/84 (2010.01)**

[25] EN

[54] **DISPENSER SHROUD**

[54] **CARENAGE POUR UN DISTRIBUTEUR**

[72] DUNCAN, DAVID, CA

[72] OPHARDT, HEINER, CH

[73] OP-HYGIENE IP GMBH, CH

[86] (2857326)

[87] (2857326)

[22] 2014-07-21

[30] US (61/860,628) 2013-07-31

[11] **2,860,960**
[13] C

[51] **Int.Cl. H04H 60/31 (2009.01) H04H 60/35 (2009.01) G06Q 30/02 (2012.01)**

[25] EN

[54] **TARGETED IMPRESSION MODEL FOR BROADCAST NETWORK ASSET DELIVERY**

[54] **MODELE D'IMPRESSON CIBLEE POUR MISE A DISPOSITION D'ELEMENTS INCITATIFS DE RESEAU DE DIFFUSION**

[72] ANDERSON, BRUCE J., US

[72] WILSON, DANIEL C., CA

[72] BOULET, DANIEL A., CA

[73] INVIDI TECHNOLOGIES CORPORATION, US

[86] (2860960)

[87] (2860960)

[22] 2006-01-12

[62] 2,594,003

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[11] **2,865,967**
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[51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/70 (2020.01) F16L 59/065 (2006.01) H05B 3/14 (2006.01) H05B 3/42 (2006.01)**

[25] EN
[54] **HEATING SMOKEABLE MATERIAL**
[54] **CHAUFFAGE D'UN MATERIAU A FUMER**

[72] SALEEM, FOZIA, GB
[72] WOODMAN, THOMAS, GB
[73] NICOVENTURES TRADING LIMITED, GB

[85] 2014-08-29
[86] 2013-04-11 (PCT/EP2013/057539)
[87] (WO2013/160112)
[30] GB (1207039.7) 2012-04-23

[11] **2,866,042**
[13] C

[51] **Int.Cl. A21C 11/16 (2006.01) A23P 30/20 (2016.01) A21C 11/00 (2006.01)**

[25] EN
[54] **HIGH PRECISION FOOD DEPOSITOR**
[54] **MACHINE DE REMPLISSAGE ALIMENTAIRE DE GRANDE PRECISION**

[72] LUPU, ALEXANDRU, CA
[72] LUPU, ALEX-LAURENTIU, CA
[73] LUPU, ALEXANDRU, CA
[73] LUPU, ALEX-LAURENTIU, CA

[86] (2866042)
[87] (2866042)
[22] 2014-09-29

[11] **2,869,176**
[13] C

[51] **Int.Cl. B09B 1/00 (2006.01) C10G 1/00 (2006.01)**

[25] EN
[54] **TREATMENT OF HEAVY OIL CUTTINGS FOR DISPOSAL**
[54] **TRAITEMENT DE DEBLAIS DE FORAGE DE PETROLE BRUT EN VUE DE L'ELIMINATION**

[72] HALE, JONATHAN ROBERT, CA
[72] GRAY, JASON, CA
[73] CANADIAN ENERGY SERVICES L.P., CA

[86] (2869176)
[87] (2869176)
[22] 2014-10-31

[11] **2,871,184**
[13] C

[51] **Int.Cl. B01D 53/047 (2006.01)**

[25] FR
[54] **PSA PROCESS WITH AN ACTIVE STEP PER PHASE TIME**
[54] **PROCEDE PSA AVEC UNE ETAPE ACTIVE PAR TEMPS DE PHASE**

[72] MONEREAU, CHRISTIAN, FR
[72] CARRIERE, CELINE, FR
[72] RENO, ELISE, FR
[73] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR

[86] (2871184)
[87] (2871184)
[22] 2014-11-14
[30] FR (13 61 731) 2013-11-28

[11] **2,879,773**
[13] C

[51] **Int.Cl. G06Q 10/04 (2012.01)**

[25] EN
[54] **MULTI-LEVEL RESERVOIR HISTORY MATCHING**
[54] **CONCORDANCE D'HISTORIQUE DE RESERVOIR MULTINIVEAU**

[72] MAUCEC, MARKO, US
[72] CARVAJAL, GUSTAVO, US
[72] MIRZADEH, SEYED M., US
[72] SINGH, AJAY PRATAP, US
[72] KHAN, HASNAIN A., US
[72] SAPUTELLI, LUIGI A., US
[73] LANDMARK GRAPHICS CORPORATION, US

[85] 2015-01-21
[86] 2013-07-29 (PCT/US2013/052587)
[87] (WO2014/022317)
[30] US (13/563,270) 2012-07-31

[11] **2,882,204**
[13] C

[51] **Int.Cl. F24F 13/15 (2006.01) F16K 1/226 (2006.01)**

[25] EN
[54] **DAMPER WITH INTEGRATED BLADE STOP**
[54] **REGISTRE NOTE D'UNE BUTEE DE LAME INTEGREE**

[72] CHAPPELL, RON, CA
[72] CAREY, DANE, CA
[73] T.A. MORRISON & CO. INC., CA

[86] (2882204)
[87] (2882204)
[22] 2015-02-18
[30] US (14/525,797) 2014-10-28

[11] **2,885,938**
[13] C

[51] **Int.Cl. B65D 3/20 (2006.01) B65D 5/02 (2006.01) B65D 5/50 (2006.01)**

[25] EN
[54] **IMPROVED PACKAGING**
[54] **EMBALLAGE AMELIORE**

[72] SHARMAN, PETER, GB
[73] MEATOLOGY LIMITED, GB

[85] 2015-03-24
[86] 2013-09-24 (PCT/GB2013/052489)
[87] (WO2014/045066)
[30] GB (1217025.4) 2012-09-24

[11] **2,885,942**
[13] C

[51] **Int.Cl. F24F 13/15 (2006.01) F16K 1/12 (2006.01) F16K 1/22 (2006.01)**

[25] EN
[54] **COUNTERWEIGHTED BACKDRAFT DAMPER BLADE WITH IMPROVED AIRFLOW PROFILE**
[54] **PALE DE REGISTRE DE RETOUR D'AIR A CONTREPOIDS OFFRANT UN PROFIL AERODYNAMIQUE AMELIORE**

[72] CHAPPELL, RONALD, CA
[72] CAREY, STEPHEN DANE, CA
[73] T.A. MORRISON & CO. INC., CA

[86] (2885942)
[87] (2885942)
[22] 2015-03-24
[30] US (14/641,632) 2015-03-09

[11] **2,886,617**
[13] C

[51] **Int.Cl. B65D 85/671 (2006.01) A47F 1/04 (2006.01) B65D 25/52 (2006.01) B65D 81/00 (2006.01) B65D 83/08 (2006.01) B65H 18/28 (2006.01)**

[25] EN
[54] **STERILE SAMPLING BAG, ROLL OF BAGS, AND BAG DISPENSER**
[54] **SAC DE PRELEVEMENT STERILE, ROULEAU DE SACS ET DISTRIBUTEUR DE SAC**

[72] BROUILLETTE, MARC, CA
[72] LAFOND, DANIELLE, CA
[72] CHEVIGNY, ALAIN, CA
[73] LABPLAS INC., CA

[86] (2886617)
[87] (2886617)
[22] 2015-03-31
[30] US (61/973143) 2014-03-31

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[11] **2,886,832**
[13] C

[51] **Int.Cl. E02F 3/46 (2006.01) E21C 27/30 (2006.01)**
[25] EN
[54] **BUCKET OF A ROPE SHOVEL**
[54] **GODET D'UNE PELLE MECANIQUE**
[72] GILL, PARAMDEEP, CA
[72] HENKE, KRISTOFER, CA
[72] CARBAUGH, ERIC, CA
[73] CNC INDUSTRIES LTD., CA
[86] (2886832)
[87] (2886832)
[22] 2015-04-07

[11] **2,887,275**
[13] C

[51] **Int.Cl. B60K 17/04 (2006.01) B60F 5/00 (2006.01) B60K 17/02 (2006.01)**
[25] EN
[54] **REMOTE LOCATED CLUTCH**
[54] **EMBRAYAGE DISTANT**
[72] TIRY, MICHAEL J., US
[73] ARCTIC CAT INC., US
[86] (2887275)
[87] (2887275)
[22] 2015-04-01
[30] US (14/245901) 2014-04-04

[11] **2,890,373**
[13] C

[51] **Int.Cl. H04N 5/74 (2006.01) B81B 7/02 (2006.01) G02B 26/08 (2006.01) H04N 3/08 (2006.01) H04N 5/66 (2006.01) H04N 5/72 (2006.01)**
[25] EN
[54] **LIGHT FIELD PROJECTORS AND METHODS**
[54] **PROJECTEURS ET PROCEDES POUR CREATION DE CHAMP LUMINEUX**
[72] DAMBERG, GERWIN, CA
[72] BALLESTAD, ANDERS, CA
[73] MTT INNOVATION INCORPORATED, CA
[86] (2890373)
[87] (2890373)
[22] 2014-10-20
[62] 2,884,903
[30] US (61/893270) 2013-10-20

[11] **2,892,211**
[13] C

[51] **Int.Cl. H02M 5/458 (2006.01) H02M 7/48 (2007.01)**
[25] EN
[54] **CONVERTER SYSTEM AND WIND OR WATER POWER PLANT**
[54] **SYSTEME MUTATEUR ET INSTALLATION EOLIENNE OU HYDROELECTRIQUE**
[72] THEOPOLD, TOBIAS, DE
[72] PAULI, MATTHIAS, DE
[72] OPIE, RAY, US
[73] KEB A INDUSTRIAL AUTOMATION GERMANY GMBH, DE
[85] 2015-05-22
[86] 2013-11-22 (PCT/EP2013/074466)
[87] (WO2014/079970)
[30] EP (12194100.9) 2012-11-23

[11] **2,893,419**
[13] C

[51] **Int.Cl. C10M 161/00 (2006.01) C10M 135/18 (2006.01) C10M 145/22 (2006.01)**
[25] EN
[54] **LUBRICATING OIL COMPOSITION HAVING MOLYBDENUM COMPOUNDS AND ACID/ANHYDRIDE FUNCTIONALIZED POLYMERIC FRICTION MODIFIERS THEREIN**
[54] **COMPOSITION D'HUILE DE LUBRIFICATION AYANT DES COMPOSES DE MOLYBDENE ET DES MODIFICATEURS DE FROTTEMENT POLYMERIQUES FONCTIONNALISES A L'ACIDE/ANHYDRIDE**
[72] STRONG, ANTHONY JAMES, GB
[72] WOODWARD, PHILIP JAMES, GB
[73] INFINEUM INTERNATIONAL LIMITED, GB
[86] (2893419)
[87] (2893419)
[22] 2015-06-02
[30] EP (14170779.4) 2014-06-02

[11] **2,897,186**
[13] C

[51] **Int.Cl. B63B 27/34 (2006.01) B63B 21/50 (2006.01) B63B 35/00 (2020.01) B63B 39/00 (2006.01) B63H 25/42 (2006.01) E21B 43/01 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR HEADING CONTROL OF A FLOATING LNG VESSEL USING A SET OF REAL-TIME MONITORED HULL INTEGRITY DATA**
[54] **MECANISME ET METHODE DE CONTROLE DE CAP D'UN VAISSEAU GNL FLOTTANT A L'AIDE D'UN ENSEMBLE DE DONNEES D'INTEGRITE DE COQUE SUIVIES EN TEMPS REEL**
[72] COOPER, STEVE JOHN, AU
[72] HARTELL, WILLIAM DAVID, GB
[73] WOODSIDE ENERGY TECHNOLOGIES PTY LTD, AU
[86] (2897186)
[87] (2897186)
[22] 2015-07-07
[30] AU (2014902654) 2014-07-09
[30] AU (2014224153) 2014-09-15

[11] **2,897,272**
[13] C

[51] **Int.Cl. A61K 39/095 (2006.01) A61K 39/09 (2006.01)**
[25] EN
[54] **MULTIVALENT GLYCOCONJUGATE VACCINES**
[54] **VACCINS GLYCOCONJUGUES MULTIVALENTS**
[72] PORRO, MASSIMO, IT
[73] BIOSYNTH S.R.L., IT
[85] 2015-07-06
[86] 2014-01-29 (PCT/EP2014/051670)
[87] (WO2014/118201)
[30] IT (MI2013A000142) 2013-01-31

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[11] **2,898,339**
[13] C

[51] **Int.Cl. B29B 17/02 (2006.01) D21D 1/22 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR REMOVING IMPURITIES FROM SHREDDED PLASTIC**

[54] **DISPOSITIF ET PROCEDE D'ELIMINATION D'IMPURETES PRESENTES SUR DES COPEAUX DE MATIERE PLASTIQUE**

[72] GERCKE, ALEXANDER, DE
[72] HOFMANN, MICHAEL, DE
[72] WERMTER, CARSTEN, DE
[73] CVP CLEAN VALUE PLASTICS GMBH, DE
[85] 2015-07-16
[86] 2014-01-15 (PCT/EP2014/050680)
[87] (WO2014/111412)
[30] DE (10 2013 000 593.0) 2013-01-16

[11] **2,899,818**
[13] C

[51] **Int.Cl. C12N 5/0735 (2010.01) C12N 1/00 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01)**

[25] EN

[54] **CULTURE METHOD FOR STABLE UNDIFFERENTIATED PROLIFERATION OF PLURIPOTENT STEM CELLS**

[54] **METHODE DE CULTURE POUR UNE PROLIFERATION STABLE INDIFFERENCIEE DE CELLULES SOUCHES PLURIPOTENTES**

[72] SENDA, SHO, JP
[72] YOSHIDA, TOMOMI, JP
[72] OKAMOTO, SATORU, JP
[72] KURIYAMA, YOKO, JP
[72] KITAZAWA, MANABU, JP
[72] HARATA, IKUE, JP
[72] SUGIMOTO, NAO, JP
[73] AJINOMOTO CO., INC., JP
[85] 2015-07-30
[86] 2013-12-27 (PCT/JP2013/085263)
[87] (WO2014/119219)
[30] JP (2013-016592) 2013-01-31

[11] **2,901,002**
[13] C

[51] **Int.Cl. G01N 27/622 (2021.01) G01D 11/24 (2006.01)**

[25] EN

[54] **MINIATURE SENSOR STRUCTURES FOR ION MOBILITY SPECTROMETERS**

[54] **STRUCTURES DE CAPTEUR MINIATURE POUR SPECTROMETRES DE MOBILITE IONIQUE**

[72] ANDERSON, ANDREW G., US
[72] VELAZQUEZ, TROY A., US
[72] IVASHIN, DMITRIY V., US
[72] BOUMSELLEK, SAID, US
[73] LEIDOS SECURITY DETECTION & AUTOMATION, INC., US
[85] 2015-08-11
[86] 2014-02-26 (PCT/US2014/018648)
[87] (WO2014/134156)
[30] US (61/769,320) 2013-02-26

[11] **2,901,832**
[13] C

[51] **Int.Cl. C07H 21/04 (2006.01) C07H 21/00 (2006.01) C12N 15/10 (2006.01) C12P 19/34 (2006.01)**

[25] EN

[54] **OLIGONUCLEOTIDES FOR CONTROLLING AMPLIFICATION OF NUCLEIC ACIDS**

[54] **OLIGONUCLEOTIDES DESTINES A CONTROLER L'AMPLIFICATION D'ACIDES NUCLEIQUES**

[72] FISS, ELLEN H., US
[72] NEWTON, NICOLAS, US
[73] F. HOFFMANN-LA ROCHE AG, CH
[86] (2901832)
[87] (2901832)
[22] 2015-08-26
[30] EP (14182730.3) 2014-08-28

[11] **2,904,725**
[13] C

[51] **Int.Cl. A61M 5/28 (2006.01) A61M 5/20 (2006.01) A61M 5/24 (2006.01) A61M 5/32 (2006.01) A61M 5/50 (2006.01)**

[25] EN

[54] **DRUG CASSETTE, AUTOINJECTOR, AND AUTOINJECTOR SYSTEM**

[54] **CARTOUCHE A MEDICAMENT, AUTO-INJECTEUR ET SYSTEME D'AUTO-INJECTION**

[72] MOUNCE, R. PAUL, US
[72] JUDD, CLINTON, US
[73] AMGEN INC., US
[85] 2015-09-08
[86] 2014-03-14 (PCT/US2014/028363)
[87] (WO2014/144096)
[30] US (61/800,154) 2013-03-15

[11] **2,905,207**
[13] C

[51] **Int.Cl. A61M 5/20 (2006.01) A61J 1/20 (2006.01) A61M 5/24 (2006.01)**

[25] EN

[54] **PORTABLE DRUG MIXING AND DELIVERY SYSTEM AND METHOD**

[54] **SYSTEME PORTABLE DE MELANGE ET DE DELIVRANCE D'UN MEDICAMENT ET PROCEDE ASSOCIE**

[72] BUCHINE, BRENT, US
[72] STEPANIAN, CHRISTOPHER, US
[72] STANDLEY, ADAM, US
[73] WINDGAP MEDICAL, INC., US
[85] 2015-09-09
[86] 2014-03-18 (PCT/US2014/030938)
[87] (WO2014/146060)
[30] US (61/800,014) 2013-03-15
[30] US (61/917,943) 2013-12-19

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[11] **2,905,929**
[13] C

[51] **Int.Cl. H05H 1/24 (2006.01)**
[25] EN
[54] **PLASMA GENERATOR USING DIELECTRIC RESONATOR**
[54] **GENERATEUR DE PLASMA UTILISANT UN RESONATEUR DIELECTRIQUE**
[72] JEVTIC, JOVAN, US
[72] MENON, ASHOK, US
[72] PIKELJA, VELIBOR, US
[73] RADOM CORPORATION, US
[85] 2015-09-11
[86] 2014-03-12 (PCT/US2014/024306)
[87] (WO2014/159588)
[30] US (61/779,557) 2013-03-13

[11] **2,906,721**
[13] C

[51] **Int.Cl. E06B 9/266 (2006.01)**
[25] EN
[54] **METHOD AND FASTENING ELEMENT FOR INSTALLING A SUNSHADE TO A GLAZING PART**
[54] **METHODE ET ELEMENT DE FIXATION DESTINES A L'INSTALLATION D'UN PARE-SOLEIL SUR UNE PARTIE VITREE**
[72] HAAPALAHTI, TEUVO, FI
[72] HILLIAHO, ESA, FI
[72] LEHTONEN, MARKKU, FI
[72] SIMONSON, CHAD, FI
[72] PULKKINEN, MARKKU, FI
[73] SUOMEN VISOR OY, FI
[86] (2906721)
[87] (2906721)
[22] 2015-09-30

[11] **2,907,568**
[13] C

[51] **Int.Cl. B63H 25/04 (2006.01)**
[25] EN
[54] **AUTONOMOUS SAILBOAT FOR OCEANOGRAPHIC MONITORING**
[54] **VOILIER AUTONOME POUR LA SURVEILLANCE OCEANOGRAPHIQUE**
[72] HOLEMANS, WALTER, US
[73] AUTONOMOUS MARINE SYSTEMS, INC., US
[85] 2015-09-17
[86] 2014-03-17 (PCT/US2014/030829)
[87] (WO2014/153299)
[30] US (13/845,488) 2013-03-18

[11] **2,907,701**
[13] C

[51] **Int.Cl. A61B 18/12 (2006.01) A61B 18/14 (2006.01) A61B 18/00 (2006.01)**
[25] EN
[54] **ELECTROSURGICAL SYSTEM**
[54] **SYSTEME ELECTROCHIRURGICAL**
[72] WILLIAMS, DAVID NICHOLAS, GB
[73] GYRUS MEDICAL LIMITED, GB
[85] 2015-09-21
[86] 2014-04-02 (PCT/GB2014/051034)
[87] (WO2014/162132)
[30] GB (1305987.8) 2013-04-03
[30] US (14/020,240) 2013-09-06
[30] GB (1318618.4) 2013-10-22

[11] **2,907,797**
[13] C

[51] **Int.Cl. B05B 17/08 (2006.01) B05B 12/04 (2006.01) F21V 33/00 (2006.01)**
[25] EN
[54] **PLAY FOUNTAIN ASSEMBLY**
[54] **ENSEMBLE DE FONTAINE DE JEU**
[72] JOEKS, WILHELMUS ADOLFUS JOHANNES MARIE, NL
[72] VAN KEMPEN, FRITS JAN, NL
[72] MOLENAAR, GUIDO WILLIAM, NL
[72] VAN DEN BERG, FRANK, NL
[73] PLAYFOUNTAIN B.V., NL
[85] 2015-09-22
[86] 2014-03-21 (PCT/EP2014/055698)
[87] (WO2014/147218)
[30] EP (13160685.7) 2013-03-22

[11] **2,908,006**
[13] C

[51] **Int.Cl. G06F 3/04815 (2022.01) G06F 9/451 (2018.01)**
[25] EN
[54] **APPLICATION WINDOW DIVIDER CONTROL FOR WINDOW LAYOUT MANAGEMENT**
[54] **COMMANDE DE DIVISEUR DE FENETRE D'APPLICATION POUR UNE GESTION DE DISPOSITION DE FENETRE**
[72] VRANJES, MIRON, US
[72] SATTERFIELD, JESSE CLAY, US
[72] WORLEY, MATTHEW ISAAC, US
[72] SAREEN, CHAITANYA, US
[72] SUNDELIN, NILS ANDERS, US
[72] MALANI, ABHISHEK, US
[72] STEINGLASS, ALICE, US
[72] JARRETT, ROBERT JAMES, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2015-09-24
[86] 2013-09-18 (PCT/US2013/060247)
[87] (WO2014/171963)
[30] US (13/863,369) 2013-04-15

[11] **2,908,812**
[13] C

[51] **Int.Cl. A61K 35/74 (2015.01) A61P 17/00 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **PROBIOTIC BACTERIA**
[54] **BACTERIES PROBIOTIQUES**
[72] O'NEILL, CATHERINE, GB
[72] MCBAIN, ANDREW, GB
[73] SKINBIOTHERAPEUTICS PLC, GB
[85] 2015-10-05
[86] 2013-03-15 (PCT/GB2013/050646)
[87] (WO2013/153358)
[30] GB (1206599.1) 2012-04-13

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[11] **2,909,653**
[13] C

[51] **Int.Cl. C07D 493/14 (2006.01) A61K 31/122 (2006.01) A61K 31/336 (2006.01)**

[25] EN

[54] **USE OF AN EPOXY-TIGLIANE COMPOUND FOR WOUND HEALING**

[54] **USAGE D'UN COMPOSE D'EPOXY-TIGLIANE POUR LA CICATRISATION DE PLAIES**

[72] REDDELL, PAUL WARREN, AU
[72] GORDON, VICTORIA ANNE, AU
[72] MOSELEY, RYAN, GB
[72] STEADMAN, ROBERT, GB
[72] MOSES, RACHAEL LOUISE, GB
[72] BOYLE, GLEN MATHEW, AU
[72] PARSONS, PETER GORDON, AU
[73] QBIOTICS LIMITED, AU
[85] 2015-10-16
[86] 2014-04-17 (PCT/AU2014/050018)
[87] (WO2014/169356)
[30] AU (2013901359) 2013-04-18

[11] **2,911,634**
[13] C

[51] **Int.Cl. G01N 3/32 (2006.01) F01D 5/30 (2006.01)**

[25] FR

[54] **OPTIMISATION OF A CYCLE FATIGUE OR CYCLE AND HIGH-CYCLE FATIGUE TEST BENCH**

[54] **OPTIMISATION D'UN BANC D'ESSAI EN FATIGUE OLIGOCYCLIQUE OU EN FATIGUE OLIGOCYCLIQUE ET POLYCYCLIQUE**

[72] MERIAUX, JEAN VINCENT MANUEL, FR
[72] PUECH, GUILLAUME, FR
[72] RUIZ-SABARIEGO, JUAN-ANTONIO, FR
[72] SERRES, NATHALIE, FR
[73] SNECMA, FR
[85] 2015-11-05
[86] 2014-05-15 (PCT/FR2014/051124)
[87] (WO2014/184494)
[30] FR (1354436) 2013-05-17

[11] **2,912,748**
[13] C

[51] **Int.Cl. E04D 1/34 (2006.01) E04D 1/06 (2006.01) E04D 1/12 (2006.01) E04D 3/361 (2006.01)**

[25] EN

[54] **ROOFING PANEL WITH INTERLOCKING CLIPPING SYSTEM**

[54] **PANNEAU DE TOITURE COMPORTANT UN MECANISME DE PINCE BLOCANT**

[72] ANDERSON, ERIC R., US
[72] RAILKAR, SUDHIR, US
[73] BUILDING MATERIALS INVESTMENT CORPORATION, US
[86] (2912748)
[87] (2912748)
[22] 2015-11-23
[30] US (62/083,615) 2014-11-24
[30] US (14/947,624) 2015-11-20

[11] **2,913,261**
[13] C

[51] **Int.Cl. B01D 67/00 (2006.01) B01D 63/06 (2006.01) B01D 69/10 (2006.01) B32B 3/12 (2006.01) C04B 38/00 (2006.01)**

[25] FR

[54] **METHOD FOR MANUFACTURING FILTERING MEMBRANES BY ADDITIVE TECHNIQUE AND RESULTING MEMBRANES**

[54] **PROCEDE DE FABRICATION DE MEMBRANES DE FILTRATION PAR TECHNIQUE ADDITIVE ET MEMBRANES OBTENUES**

[72] LESCOCHE, PHILIPPE, FR
[72] ANQUETIL, JEROME, FR
[73] TECHNOLOGIES AVANCEES & MEMBRANES INDUSTRIELLES, FR
[85] 2015-11-23
[86] 2014-06-10 (PCT/FR2014/051383)
[87] (WO2014/199062)
[30] FR (1355358) 2013-06-11

[11] **2,913,735**
[13] C

[51] **Int.Cl. G06F 40/35 (2020.01) G10L 15/22 (2006.01)**

[25] EN

[54] **ENVIRONMENTALLY AWARE DIALOG POLICIES AND RESPONSE GENERATION**

[54] **POLITIQUES DE DIALOGUES ET GENERATION DE REPONSES SENSIBLES A L'ENVIRONNEMENT**

[72] BOIES, DANIEL, US
[72] HECK, LARRY, US
[72] ANASTASAKOS, TASOS, US
[72] SARIKAYA, RUHI, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2015-11-26
[86] 2014-06-05 (PCT/US2014/041014)
[87] (WO2014/204655)
[30] US (13/923,917) 2013-06-21

[11] **2,913,828**
[13] C

[51] **Int.Cl. A61D 7/04 (2006.01) A46B 11/00 (2006.01) A61M 15/00 (2006.01) A61M 15/08 (2006.01) A61M 16/08 (2006.01) A61M 16/20 (2006.01) B05B 11/00 (2006.01)**

[25] EN

[54] **INHALER**

[54] **INHALATEUR**

[72] RAHMEL, MARCUS RAINER, DE
[72] WACHTEL, HERBERT, DE
[72] ENDERT, GUIDO, DE
[72] CHRIST, ALEXANDER, DE
[72] WERGEN, HORST, DE
[73] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[85] 2015-11-27
[86] 2014-08-19 (PCT/EP2014/002269)
[87] (WO2015/024652)
[30] EP (13004113.0) 2013-08-20

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[11] **2,915,249**
[13] C

[51] **Int.Cl. C12N 5/077 (2010.01) A61K 35/32 (2015.01) A61P 19/00 (2006.01)**
[25] EN
[54] **ADIPOSE CELLS FOR CHONDROCYTE APPLICATIONS**
[54] **CELLULES ADIPEUSES POUR DES APPLICATIONS DE CHONDROCYTES**
[72] O'HEERON, PETE, US
[73] SPINALCYTE, LLC, US
[85] 2015-12-11
[86] 2014-06-13 (PCT/US2014/042322)
[87] (WO2014/204806)
[30] US (61/836,975) 2013-06-19

[11] **2,918,434**
[13] C

[51] **Int.Cl. A61M 5/32 (2006.01)**
[25] EN
[54] **HYPODERMIC NEEDLE DESTRUCTION**
[54] **DESTRUCTION D'AIGUILLE HYPODERMIQUE**
[72] KIRBY, CLIFFORD, GB
[72] DOUCE, NORMAN, GB
[73] NEEDLESMART LIMITED, GB
[85] 2016-01-15
[86] 2014-07-14 (PCT/GB2014/052135)
[87] (WO2015/011443)
[30] GB (1313209.7) 2013-07-24

[11] **2,919,195**
[13] C

[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/24 (2006.01)**
[25] EN
[54] **ASSEMBLY FOR AN AUTOINJECTOR DEVICE**
[54] **ENSEMBLE POUR DISPOSITIF D'INJECTEUR AUTOMATIQUE**
[72] MCLOUGHLIN, MARTIN JOHN, GB
[72] DARNELL, IAN, GB
[72] EKMAN, MATT, GB
[72] ANDERSON, IAN, GB
[72] CAMMISH, NEIL BENTLEY, GB
[73] UCB BIOPHARMA SPRL, BE
[73] BESPAK EUROPE LIMITED, GB
[85] 2016-01-22
[86] 2014-08-04 (PCT/GB2014/052387)
[87] (WO2015/015230)
[30] GB (1313888.8) 2013-08-02

[11] **2,919,449**
[13] C

[51] **Int.Cl. A61M 16/06 (2006.01)**
[25] EN
[54] **SEAL FOR A PATIENT INTERFACE, INTERFACE ASSEMBLIES AND ASPECTS THEREOF**
[54] **JOINT POUR INTERFACE PATIENT, ENSEMBLES INTERFACES ET LEURS ASPECTS**
[72] PATEL, ROHEET, NZ
[72] BEARNE, PETER DAVID ALEXANDER, NZ
[72] COX, MICHAEL JOHN HENRI, NZ
[72] MASHAL, FADI KARIM MOH'D, NZ
[72] MIDDELKOOP, KIRSTIN ELIZABETH, NZ
[73] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
[85] 2016-01-26
[86] 2014-08-05 (PCT/NZ2014/000158)
[87] (WO2015/020535)
[30] US (61/862,236) 2013-08-05
[30] US (62/013,417) 2014-06-17

[11] **2,919,839**
[13] C

[51] **Int.Cl. G06F 9/455 (2018.01)**
[25] EN
[54] **VIRTUAL COMPUTING INSTANCE MIGRATION**
[54] **MIGRATION D'INSTANCE INFORMATIQUE VIRTUELLE**
[72] DIPPENAAR, ANDRIES PETRUS JOHANNES, US
[72] LATEGAN, FRANS ADRIAAN, US
[72] GREENFIELD, JAMES ALFRED GORDON, US
[73] AMAZON TECHNOLOGIES, INC., US
[85] 2016-01-28
[86] 2014-08-01 (PCT/US2014/049476)
[87] (WO2015/020909)
[30] US (13/959,550) 2013-08-05

[11] **2,920,302**
[13] C

[51] **Int.Cl. A45F 5/02 (2006.01)**
[25] EN
[54] **ERGONOMIC DUTY BELT ASSEMBLY**
[54] **DISPOSITIF DE CEINTURE DE TRAVAIL ERGONOMIQUE**
[72] MAY, GREGORY, CA
[73] MAY, GREGORY, CA
[86] (2920302)
[87] (2920302)
[22] 2016-02-09
[30] US (62/114,447) 2015-02-10
[30] CA (2,889,214) 2015-04-23

[11] **2,920,511**
[13] C

[51] **Int.Cl. G01V 9/00 (2006.01)**
[25] EN
[54] **OBJECT-BASED WELL CORRELATION**
[54] **CORRELATION DE Puits BASEE SUR UN OBJET**
[72] COURTADE, SERGIO FABIO, NO
[72] MESSENGER, ROBERT, NO
[73] SCHLUMBERGER CANADA LIMITED, CA
[85] 2016-02-04
[86] 2014-09-09 (PCT/US2014/054648)
[87] (WO2015/035349)
[30] US (61/875,130) 2013-09-09
[30] US (14/480,548) 2014-09-08

[11] **2,920,699**
[13] C

[51] **Int.Cl. G06F 17/18 (2006.01) G16H 50/50 (2018.01) A61B 5/145 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DETERMINING A SMOOTHED DATA POINT WITHIN A STREAM OF DATA POINTS**
[54] **PROCEDE ET APPAREIL DE DETERMINATION D'UN POINT DE DONNEES LISSE DANS UN FLUX DE POINTS DE DONNEES**
[72] KUSTER, FRANK, DE
[72] KRIVANEK, ROLAND, DE
[72] MULLER, ACHIM, DE
[73] EYSENSE AG, CH
[85] 2016-02-08
[86] 2014-08-04 (PCT/EP2014/066706)
[87] (WO2015/022219)
[30] EP (13180412.2) 2013-08-14

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[11] **2,921,608**
[13] C

[51] **Int.Cl. C02F 1/56 (2006.01) B01D 21/01 (2006.01) C08J 3/11 (2006.01)**

[25] EN

[54] **PARTICLE SUSPENSIONS OF FLOCCULATING POLYMER POWDERS**

[54] **SUSPENSIONS DE PARTICULE DE POUDRES DE POLYMERE DE FLOCCULATION**

[72] HOLT, JASON, US

[72] LINDLER, MALCOLM BARRY, US

[73] PSMG, LLC, US

[85] 2016-02-17

[86] 2014-07-25 (PCT/US2014/048150)

[87] (WO2015/026481)

[30] US (13/973,746) 2013-08-22

[11] **2,921,915**
[13] C

[51] **Int.Cl. F02K 1/48 (2006.01) F02K 1/60 (2006.01)**

[25] FR

[54] **AFTERBODY FOR A TURBOJET ENGINE COMPRISING A NOZZLE PROVIDED WITH A THRUST REVERSER SYSTEM THAT INCORPORATES A CROWN OF NOISE-REDUCING CHEVRONS**

[54] **ARRIERE CORPS DE TURBOREACTEUR COMPORTANT UNE TUYERE EQUIPEE D'UN SYSTEME D'INVERSION DE POUSSEE QUI INTEGRE UNE COURONNE DE CHEVRONS ANTIBRUIT**

[72] KERNEMP, IRWIN, FR

[72] LANGRIDGE, JONATHAN, FR

[72] PASCAL, SEBASTIEN, FR

[72] GUILLOIS, DENIS, FR

[72] CLERE, GERARD, FR

[72] CHAPELAIN, LOIC, FR

[73] SNECMA, FR

[73] AIRCELLE, FR

[85] 2016-02-19

[86] 2014-09-05 (PCT/FR2014/052194)

[87] (WO2015/036679)

[30] FR (1302113) 2013-09-10

[11] **2,922,287**
[13] C

[51] **Int.Cl. B29D 22/00 (2006.01) B29B 11/00 (2006.01) B65D 1/00 (2006.01)**

[25] EN

[54] **FURANOIC POLYMER PREFORMS, CONTAINERS AND PROCESSING**

[54] **PREFORMES EN POLYMERES FURANQUES, RECIPIENTS ET TRAITEMENT**

[72] KRIEDEL, ROBERT M., US

[72] MOFFITT, RONALD D., US

[72] SCHULTHEIS, MIKELL W., US

[72] SHI, YU, US

[72] YOU, XIAORONG, US

[73] THE COCA-COLA COMPANY, US

[85] 2016-02-23

[86] 2014-09-02 (PCT/US2014/053749)

[87] (WO2015/031907)

[30] US (61/872,524) 2013-08-30

[11] **2,922,657**
[13] C

[51] **Int.Cl. C07D 403/04 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 401/04 (2006.01) C07D 413/04 (2006.01) C07D 471/04 (2006.01)**

[25] EN

[54] **SUBSTITUTED PYRIMIDINE BMI-1 INHIBITORS**

[54] **INHIBITEURS DE BMI-1 A BASE DE PYRIMIDINES SUBSTITUEES**

[72] DU, WU, US

[72] BAI AZITOV, RAMIL, US

[72] LEE, CHANG-SUN, US

[72] MOON, YOUNG-CHOON, US

[72] PAGET, STEVEN D., US

[72] REN, HONGYU, US

[72] SYDORENKO, NADIYA, US

[72] WILDE, RICHARD GERALD, US

[73] PTC THERAPEUTICS, INC., US

[85] 2016-02-26

[86] 2013-11-21 (PCT/US2013/071216)

[87] (WO2015/030847)

[30] US (61/872,091) 2013-08-30

[11] **2,922,934**
[13] C

[51] **Int.Cl. F16D 65/092 (2006.01)**

[25] EN

[54] **EMBOSSSED BRAKE PAD**

[54] **PATIN DE FREIN GAUFRE**

[72] CARNEY, JOHN JOSEPH, US

[73] CARNEY, JOHN JOSEPH, US

[85] 2016-03-01

[86] 2014-09-05 (PCT/US2014/054239)

[87] (WO2015/035131)

[30] US (61/874,160) 2013-09-05

[11] **2,923,057**
[13] C

[51] **Int.Cl. C01B 17/05 (2006.01) B01D 53/84 (2006.01) C01B 17/06 (2006.01) C02F 3/22 (2006.01) C02F 3/34 (2006.01)**

[25] EN

[54] **A PROCESS FOR REMOVING SULPHIDE FROM AN AQUEOUS SOLUTION**

[54] **PROCEDE POUR ELIMINER UN SULFURE D'UNE SOLUTION AQUEUSE**

[72] VAN ZESSEN, ERIK, NL

[72] JORNA, ANTONIUS JOHANNES, NL

[72] VELLINGA, SJOERD HUBERTUS JOZEF, NL

[72] DIJKMAN, HENDRIK, NL

[73] PAQUES I.P. B.V., NL

[85] 2016-03-02

[86] 2014-09-26 (PCT/NL2014/050660)

[87] (WO2015/047091)

[30] EP (13186184.1) 2013-09-26

[11] **2,923,187**
[13] C

[51] **Int.Cl. F21V 9/08 (2018.01)**

[25] EN

[54] **ENHANCED COLOR-PREFERENCE LIGHT SOURCES**

[54] **SOURCES DE LUMIERE PERFECTIONNEES A PREFERENCE CHROMATIQUE**

[72] VICK, KEVIN JAMES, US

[72] ALLEN, GARY ROBERT, US

[72] BEERS, WILLIAM WINDER, US

[72] VICK, OLIVIA RAE, US

[73] SAVANT TECHNOLOGIES LLC, US

[85] 2016-03-03

[86] 2014-09-09 (PCT/US2014/054868)

[87] (WO2015/035425)

[30] US (61/875,403) 2013-09-09

[30] US (61/937,864) 2014-02-10

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[11] **2,923,305**
[13] C

[51] **Int.Cl. A01N 59/00 (2006.01) B82Y 5/00 (2011.01) B82Y 30/00 (2011.01) A01P 1/00 (2006.01) A61L 2/00 (2006.01) B82B 3/00 (2006.01) C12N 1/06 (2006.01) C12Q 1/00 (2006.01) G01N 1/28 (2006.01) C09K 13/00 (2006.01)**

[25] EN

[54] **A SYNTHETIC BIOCIDAL SURFACE COMPRISING AN ARRAY OF NANOSPIKES**

[54] **SURFACE BIOCIDAL SYNTHETIQUE COMPRENANT UN RESEAU DE NANOPOINTES**

[72] JUODKAZIS, SAULIUS, AU

[72] IVANOVA, ELENA, AU

[73] GLOBAL ORTHOPAEDIC TECHNOLOGY PTY LIMITED, AU

[85] 2016-03-04

[86] 2014-09-05 (PCT/AU2014/050211)

[87] (WO2015/031956)

[30] AU (2013903399) 2013-09-05

[11] **2,924,730**
[13] C

[51] **Int.Cl. C10M 169/04 (2006.01)**

[25] EN

[54] **FUNCTIONAL FLUID COMPRISING ALKOXYLATE ETHERS OF FATTY ACIDS**

[54] **FLUIDE FONCTIONNEL COMPRENANT DES ETHERS D'ALCOXYLATES D'ACIDES GRAS**

[72] DIETL, HARALD, DE

[72] AYDIN, BAYRAM, DE

[72] DAMBACH, STEFAN, DE

[73] BASF SE, DE

[85] 2016-03-17

[86] 2014-10-08 (PCT/EP2014/071539)

[87] (WO2015/052234)

[30] EP (13188078.3) 2013-10-10

[11] **2,925,088**
[13] C

[51] **Int.Cl. H04H 40/27 (2009.01) H04H 20/95 (2009.01) H04N 21/2381 (2011.01) H04N 21/643 (2011.01) H04L 67/561 (2022.01) H04L 69/16 (2022.01)**

[25] EN

[54] **RECEPTION DEVICE, RECEPTION METHOD, TRANSMISSION DEVICE, AND TRANSMISSION METHOD**

[54] **DISPOSITIF ET METHODE DE RECEPTION, ET DISPOSITIF ET METHODE DE TRANSMISSION**

[72] KITAHARA, JUN, JP

[72] YAMAGISHI, YASUAKI, JP

[72] KITAZATO, NAOHISA, JP

[72] TAKAHASHI, KAZUYUKI, JP

[73] SONY CORPORATION, JP

[85] 2016-03-22

[86] 2014-10-02 (PCT/JP2014/005029)

[87] (WO2015/052899)

[30] JP (2013-214130) 2013-10-11

[11] **2,925,666**
[13] C

[51] **Int.Cl. E05B 47/00 (2006.01)**

[25] EN

[54] **MAGNETIC LOCK SYSTEM**

[54] **MECANISME D'HORLOGE MAGNETIQUE**

[72] CIECHA, HERNAN, CA

[73] LES INDUSTRIES CAPITOL INC., CA

[86] (2925666)

[87] (2925666)

[22] 2016-03-31

[30] US (62/142,276) 2015-04-02

[11] **2,926,271**
[13] C

[51] **Int.Cl. G01V 13/00 (2006.01)**

[25] EN

[54] **CIRCUITS AND METHODS FOR MONITORING CURRENT IN GEOPHYSICAL SURVEY SYSTEMS**

[54] **CIRCUITS ET METHODES DE SURVEILLANCE DU COURANT DANS LES SYSTEMES DE LEVE GEOPHYSIQUE**

[72] BAUM, DAVID, US

[72] URQUHART, SCOTT A., US

[72] MACINNIS, SCOTT C., US

[73] ZONGE INTERNATIONAL, INC., US

[86] (2926271)

[87] (2926271)

[22] 2016-04-06

[30] US (62/143,617) 2015-04-06

[11] **2,926,679**
[13] C

[51] **Int.Cl. H04N 5/64 (2006.01) H04N 5/655 (2006.01)**

[25] EN

[54] **CLEAT MOUNT WITH VISUAL AND AUDIBLE INDICATOR**

[54] **SOCLE DE FIXATION COMPORTANT UN INDICATEUR VISUEL ET AUDIBLE**

[72] SKULL, JOSEPH, US

[72] HAGEN, ROBERT, US

[72] STREIFF, BEN, US

[73] LEGRAND AV INC., US

[85] 2016-04-06

[86] 2014-10-09 (PCT/US2014/059877)

[87] (WO2015/054480)

[30] US (61/888,920) 2013-10-09

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[11] **2,926,795**

[13] C

- [51] **Int.Cl. H01M 8/18 (2006.01) H01M 8/04537 (2016.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MEASURING TRANSIENT STATE-OF-CHARGE USING INLET/OUTLET POTENTIALS**
[54] **PROCEDE ET APPAREIL POUR MESURER UN ETAT DE CHARGE TRANSITOIRE A L'AIDE DES POTENTIELS D'ENTREE/SORTIE**
[72] GOELTZ, JOHN, US
[72] DUFFEY, KEAN, US
[72] KING, EVAN R., US
[73] LOCKHEED MARTIN ENERGY, LLC, US
[85] 2016-04-07
[86] 2014-10-13 (PCT/US2014/060236)
[87] (WO2015/057550)
[30] US (61/891,483) 2013-10-16

[11] **2,926,893**

[13] C

- [51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/522 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY OF AN ANTI CD20 ANTIBODY WITH A BTK INHIBITOR**
[54] **POLYTHERAPIE A BASE D'UN ANTICORPS ANTI-CD20 ET D'UN INHIBITEUR DE BTK**
[72] KLEIN, CHRISTIAN, CH
[72] TOSHIO, YOSHIZAWA, JP
[72] TOMOKO, YASUHIRO, JP
[73] F. HOFFMANN-LA ROCHE AG, CH
[73] ONO PHARMACEUTICAL CO., LTD., JP
[85] 2016-04-08
[86] 2014-11-04 (PCT/EP2014/073640)
[87] (WO2015/067586)
[30] EP (13192006.8) 2013-11-07

[11] **2,927,432**

[13] C

- [51] **Int.Cl. G08G 1/00 (2006.01) A01B 79/00 (2006.01) A01C 7/00 (2006.01) G01C 21/00 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD OF AN AGRICULTURAL MACHINE TO OPTIMISE WORKING CAPACITY**
[54] **SYSTEME ET PROCEDE D'OPTIMISATION DU RENDEMENT D'UNE MACHINE AGRICOLE**
[72] VALBERG, STEFAN, SE
[73] VADERSTAD HOLDING AB, SE
[85] 2016-04-13
[86] 2014-10-30 (PCT/SE2014/051287)
[87] (WO2015/065282)
[30] SE (1351305-6) 2013-11-04

[11] **2,927,518**

[13] C

- [51] **Int.Cl. C07D 495/04 (2006.01) A61K 31/519 (2006.01) A61K 31/5377 (2006.01) A61K 31/541 (2006.01) A61K 31/554 (2006.01) A61P 25/00 (2006.01) A61P 25/18 (2006.01) A61P 25/22 (2006.01) A61P 43/00 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **SULFUR-CONTAINING BICYCLIC COMPOUND**
[54] **COMPOSE BICYCLIQUE CONTENANT DU SOUFRE**
[72] SHIRAISHI, NOBUYUKI, JP
[72] HOSHII, HIROAKI, JP
[72] HAMAGUCHI, WATARU, JP
[72] HONJO, ERIKO, JP
[72] TAKUWA, TOMOFUMI, JP
[72] KONDO, YUJI, JP
[72] GOTO, TAKAYUKI, JP
[73] ASTELLAS PHARMA INC., JP
[85] 2016-04-14
[86] 2014-10-17 (PCT/JP2014/077653)
[87] (WO2015/056771)
[30] JP (2013-216332) 2013-10-17

[11] **2,928,004**

[13] C

- [51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4402 (2006.01) A61K 31/4439 (2006.01) A61P 25/24 (2006.01) C07D 213/40 (2006.01) C07D 401/12 (2006.01)**
[25] EN
[54] **NMDA ANTAGONIST PRODRUGS**
[54] **PROMEDICAMENTS D'ANTAGONISTES DE NMDA**
[72] NORDVALL, GUNNAR, GB
[72] HOGDIN, KATHARINA, GB
[72] MALMBORG, PER JONAS, GB
[72] KERS, ANNIKA, GB
[72] WEIGELT, DIRK REINHOLD, GB
[72] BERNSTEIN, PETER ROBERT, US
[72] QUIRK, MICHAEL, US
[72] BALESTRA, MICHAEL, US
[73] ASTRAZENECA AB, SE
[85] 2016-04-19
[86] 2014-10-30 (PCT/GB2014/053236)
[87] (WO2015/067923)
[30] US (61/899,903) 2013-11-05

[11] **2,928,797**

[13] C

- [51] **Int.Cl. A63C 17/01 (2006.01) A63C 17/12 (2006.01) A63C 17/24 (2006.01)**
[25] EN
[54] **VEHICLE FOR THE MOVEMENT OF A DRIVER, COMPRISING A BALL ROLLING ON A GROUND SURFACE AND IN ANY DESIRED DIRECTION**
[54] **VEHICULE POUR LE DEPLACEMENT D'UN CONDUCTEUR, COMPRENANT UNE SPHERE QUI ROULE AU SOL ET DANS DES DIRECTIONS QUELCONQUES**
[72] SAMBETH, ULRICH, DE
[73] INNOVATED TRANSPORT SYSTEMS UG (HAFTUNGSBESCHRANKT), DE
[85] 2016-04-26
[86] 2014-12-05 (PCT/EP2014/076770)
[87] (WO2015/082705)
[30] DE (10 2013 113 643.5) 2013-12-06
[30] DE (10 2014 107 763.6) 2014-06-03

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[11] **2,928,992**
[13] C

[51] **Int.Cl. G01N 21/64 (2006.01) G01N 21/77 (2006.01)**

[25] EN

[54] **METHOD FOR ANALYSING A SAMPLE COMPRISING AT LEAST A FIRST AND A SECOND SCALE INHIBITOR**

[54] **PROCEDE D'ANALYSE D'UN ECHANTILLON COMPRENANT AU MOINS UN PREMIER ET UN SECOND AGENT ANTITARTRE**

[72] NUUTINEN, VESA, FI
[72] TOIVONEN, SUSANNA, FI
[72] JOHNSTONE, JAMES, GB
[72] HARMA, HARRI, FI
[72] LEHMUSTO, MIRVA, FI
[72] THITTANEN, SATU, FI
[72] VAISANEN, PAVE, FI
[72] SIIVONEN, JOONAS, FI
[72] MUNDILL, PAUL, FI
[73] KEMIRA OYJ, FI
[85] 2016-04-27
[86] 2014-11-18 (PCT/FI2014/050878)
[87] (WO2015/075309)
[30] FI (20136152) 2013-11-19

[11] **2,928,999**
[13] C

[51] **Int.Cl. C01B 3/22 (2006.01) H01M 8/0612 (2016.01) C01B 3/02 (2006.01)**

[25] EN

[54] **A METHOD FOR STORAGE AND RELEASE OF HYDROGEN**

[54] **PROCEDE POUR LE STOCKAGE ET LA LIBERATION D'HYDROGENE**

[72] SASSON, YOEL, IL
[72] WIENER, HAROLD, IL
[72] GIVANT, ARIEL, IL
[73] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD., IL
[85] 2016-04-27
[86] 2014-11-05 (PCT/IL2014/050965)
[87] (WO2015/068161)
[30] US (61/900,432) 2013-11-06

[11] **2,929,383**
[13] C

[51] **Int.Cl. B29C 51/14 (2006.01) B29C 51/26 (2006.01) B29C 70/54 (2006.01)**

[25] FR

[54] **DEVICE AND METHOD FOR FORMING A COMPOSITE PANEL FROM A THERMOPLASTIC MATRIX**

[54] **DISPOSITIF ET PROCEDE POUR L'ESTAMPAGE D'UN FLAN COMPOSITE A MATRICE THERMOPLASTIQUE**

[72] ZAWADKA, LAURENT, FR
[73] DAHER AEROSPACE, FR
[85] 2016-05-02
[86] 2014-11-04 (PCT/EP2014/073617)
[87] (WO2015/067572)
[30] FR (1360992) 2013-11-09

[11] **2,929,638**
[13] C

[51] **Int.Cl. A01G 9/02 (2018.01) D04H 3/011 (2012.01) A01G 9/029 (2018.01)**

[25] EN

[54] **METHOD OF MANUFACTURING A PLANT RECEPTACLE AS WELL AS A PLANT RECEPTACLE**

[54] **METHODE DE FABRICATION D'UN RECEPTACLE DE PLANTE AINSI QUE RECEPTACLE DE PLANTE**

[72] ELLEGAARD, MERETHE, DK
[72] STORGAARD, CARSTEN, DK
[73] PLANTPAPER HOLDING APS, DK
[85] 2016-05-04
[86] 2014-11-05 (PCT/DK2014/050362)
[87] (WO2015/067272)
[30] DK (PA 2013 70643) 2013-11-05

[11] **2,929,820**
[13] C

[51] **Int.Cl. E02F 9/12 (2006.01) F16H 61/4157 (2010.01) E02F 9/22 (2006.01) F15B 11/044 (2006.01) F16D 57/06 (2006.01)**

[25] EN

[54] **HYDRAULIC BRAKE**

[54] **FREIN HYDRAULIQUE**

[72] LACHER, ROBERT R., US
[73] CLARK EQUIPMENT COMPANY, US
[85] 2016-05-05
[86] 2014-11-12 (PCT/US2014/065208)
[87] (WO2015/073529)
[30] US (61/903,133) 2013-11-12

[11] **2,930,492**
[13] C

[51] **Int.Cl. H02G 9/00 (2006.01)**

[25] EN

[54] **SUBSEA CABLE ENGAGEMENT SYSTEM**

[54] **SYSTEME DE MISE EN PRISE DE CABLE SOUS-MARIN**

[72] GERMAIN, CHRISTOPHER, GB
[72] SHEPPARD, JAMES, GB
[72] GOSS, RICHARD, GB
[73] SABELLA, FR
[85] 2016-05-12
[86] 2014-10-21 (PCT/GB2014/053139)
[87] (WO2015/075419)
[30] GB (1320655.2) 2013-11-22

[11] **2,931,672**
[13] C

[51] **Int.Cl. C10G 1/00 (2006.01) C07C 39/06 (2006.01) C08L 97/02 (2006.01) C10L 1/02 (2006.01)**

[25] EN

[54] **DEPOLYMERISATION OF LIGNIN IN BIOMASS**

[54] **DEPOLYMERISATION DE LIGNINE DANS UNE BIOMASSE**

[72] SAMEC, JOSEPH, SE
[72] GALKIN, MAXIM, SE
[73] KAT2BIZ AB, SE
[85] 2016-05-25
[86] 2014-11-27 (PCT/SE2014/051416)
[87] (WO2015/080660)
[30] SE (1351410-4) 2013-11-27

[11] **2,931,970**
[13] C

[51] **Int.Cl. G16H 10/00 (2018.01) G16H 10/60 (2018.01) G16H 20/13 (2018.01) G16H 40/20 (2018.01) G16H 50/80 (2018.01)**

[25] EN

[54] **METHOD FOR MEASURING THE INCIDENCE OF HOSPITAL ACQUIRED INFECTIONS**

[54] **PROCEDE DE MESURE DE L'INCIDENCE DES INFECTIONS NOSOCOMIALES**

[72] BROSSETTE, STEPHEN E., US
[72] HYMEL, PATRICK A., JR., US
[72] LABORDE, GERALD T., JR., US
[73] CAREFUSION 303, INC., US
[86] (2931970)
[87] (2931970)
[22] 2005-07-27
[62] 2,575,550
[30] US (60/591,561) 2004-07-27
[30] US (60/678,899) 2005-05-06
[30] US (11/189,394) 2005-07-26

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[11] **2,932,450**
[13] C

- [51] **Int.Cl. E02D 15/04 (2006.01) E04G 21/04 (2006.01)**
[25] EN
[54] **CONCRETING FACILITY AND CORRESPONDING CONCRETING METHOD**
[54] **INSTALLATION DE BETONNAGE ET PROCEDE DE BETONNAGE CORRESPONDANT**
[72] STEFF DE VERNINAC, BERTRAND, FR
[72] PERPEZAT, DANIEL, FR
[72] AUVRAY, CHRISTIAN, FR
[72] ROUFFAUD, LIONEL, FR
[73] SOLETANCHE FREYSSINET, FR
[85] 2016-06-02
[86] 2014-12-03 (PCT/FR2014/053142)
[87] (WO2015/082838)
[30] FR (1362002) 2013-12-03

[11] **2,933,221**
[13] C

- [51] **Int.Cl. C12Q 1/00 (2006.01) C12Q 1/02 (2006.01) C12Q 1/18 (2006.01)**
[25] EN
[54] **METHOD FOR SCREENING ANTIMICROBIAL AGENT**
[54] **METHODE DE DEPISTAGE D'UN AGENT ANTIMICROBIEN**
[72] LEE, TAE HEE, KR
[72] KIM, JI WAN, KR
[72] PARK, SO YOON, KR
[73] HYUNDAI MOTOR COMPANY, KR
[85] 2016-06-08
[86] 2014-12-10 (PCT/KR2014/012111)
[87] (WO2015/088237)
[30] KR (10-2013-0153141) 2013-12-10
[30] KR (10-2013-0153142) 2013-12-10
[30] KR (10-2013-0156930) 2013-12-17
[30] KR (10-2013-0156929) 2013-12-17
[30] KR (10-2013-0156928) 2013-12-17
[30] KR (10-2013-0156927) 2013-12-17
[30] KR (10-2013-0166781) 2013-12-30
[30] KR (10-2013-0166782) 2013-12-30
[30] KR (10-2014-0028278) 2014-03-11
[30] KR (10-2014-0028279) 2014-03-11
[30] KR (10-2014-0028280) 2014-03-11
[30] KR (10-2014-0028277) 2014-03-11

[11] **2,933,265**
[13] C

- [51] **Int.Cl. G01T 7/04 (2006.01) G01N 1/24 (2006.01) G01N 1/34 (2006.01) G01T 1/16 (2006.01) G01T 7/02 (2006.01) G01W 1/00 (2006.01)**
[25] EN
[54] **PORTABLE DETECTION APPARATUS AND METHOD**
[54] **APPAREIL DE DETECTION PORTABLE ET METHODE**
[72] BRIDEN, NEIL ANTHONY, CA
[72] ETHIER, ADRIENNE LYNN MCKAY, CA
[72] LEESON, PAUL KENYON, CA
[72] VANDAL, JOEL, CA
[73] ATOMIC ENERGY OF CANADA LIMITED / ENERGIE ATOMIQUE DU CANADA LIMITEE, CA
[86] (2933265)
[87] (2933265)
[22] 2016-06-16
[30] US (62/180,325) 2015-06-16

[11] **2,933,289**
[13] C

- [51] **Int.Cl. F02C 6/16 (2006.01)**
[25] EN
[54] **COMPRESSED-AIR-ENERGY-STORAGE (CAES) SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE STOCKAGE DE L'ENERGIE D'AIR COMPRIE (CAES)**
[72] KOSAMANA, BHASKARA, IN
[72] VENKATACHALAM, KALYAN KUMAR, IN
[73] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
[85] 2016-06-09
[86] 2014-12-15 (PCT/EP2014/077705)
[87] (WO2015/091329)
[30] IT (FI2013A000299) 2013-12-16

[11] **2,933,848**
[13] C

- [51] **Int.Cl. C07G 1/00 (2011.01) C08H 7/00 (2011.01) C08L 97/02 (2006.01) C11C 3/00 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING ESTERS OF LIGNIN AND OIL OR FATTY ACIDS**
[54] **COMPOSITION COMPRENANT DES ESTERS DE LIGNINE ET D'HUILE OU DES ACIDES GRAS**
[72] SAMEC, JOSEPH, SE
[72] LOFSTEDT, JOAKIM, SE
[72] DAHLSTRAND, CHRISTIAN, SE
[72] OREBOM, ALEXANDER, SE
[72] SAWADJOON, SUPAPORN, SE
[73] REN FUEL K2B AB, SE
[85] 2016-06-14
[86] 2014-12-16 (PCT/SE2014/051507)
[87] (WO2015/094099)
[30] SE (1351508-5) 2013-12-16
[30] SE (1450764-4) 2014-06-19
[30] SE (1451310-5) 2014-11-03

[11] **2,933,856**
[13] C

- [51] **Int.Cl. G02C 5/12 (2006.01) A42B 3/04 (2006.01) G02C 5/16 (2006.01)**
[25] EN
[54] **SAFETY GLASSES DEPLOYMENT SYSTEM**
[54] **MECANISME DE DEPLOIEMENT DE VERRES DE SECURITE**
[72] JENKINS, BRIAN DENNIS, US
[73] JENKINS, BRIAN DENNIS, US
[86] (2933856)
[87] (2933856)
[22] 2016-06-22
[30] US (14/845,819) 2015-09-04

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[11] **2,934,647**
[13] C

[51] **Int.Cl. B24D 3/28 (2006.01)**
[25] EN
[54] **METHOD OF MAKING A COATED
ABRASIVE ARTICLE**
[54] **PROCEDE DE REALISATION
D'UN ARTICLE ABRASIF
REVETU**
[72] CULLER, SCOTT R., US
[72] BODEN, JOHN T., US
[72] KEIPERT, STEVEN J., US
[72] ADEFRIS, NEGUS B., US
[73] 3M INNOVATIVE PROPERTIES
COMPANY, US
[85] 2016-06-20
[86] 2014-12-11 (PCT/US2014/069726)
[87] (WO2015/100020)
[30] US (61/919,992) 2013-12-23

[11] **2,934,780**
[13] C

[51] **Int.Cl. C07C 237/42 (2006.01) A01N
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A01P 5/00 (2006.01) A01P 7/02
(2006.01) A01P 7/04 (2006.01) A01P
9/00 (2006.01) C07C 237/44 (2006.01)
C07C 255/57 (2006.01) C07D 213/81
(2006.01) C07D 213/89 (2006.01)**
[25] EN
[54] **INSECTICIDAL COMPOUNDS**
[54] **COMPOSES INSECTICIDES**
[72] PITTERNA, THOMAS, CH
[72] STOLLER, ANDRE, CH
[72] EDMUNDS, ANDREW, CH
[73] SYNGENTA PARTICIPATIONS AG,
CH
[85] 2016-06-21
[86] 2014-12-19 (PCT/EP2014/078815)
[87] (WO2015/097094)
[30] EP (13199383.4) 2013-12-23

[11] **2,934,869**
[13] C

[51] **Int.Cl. A61B 5/00 (2006.01) A61B
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[25] EN
[54] **COHERENT HEMODYNAMICS
SPECTROSCOPY AND MODEL
BASED CHARACTERIZATION OF
PHYSIOLOGICAL SYSTEMS**
[54] **SPECTROSCOPIE DE
L'HEMODYNAMIQUE
COHERENTE ET MODELE BASE
SUR LA CARACTERISATION DE
SYSTEMES PHYSIOLOGIQUES**
[72] FANTINI, SERGIO, US
[73] TRUSTEES OF TUFTS COLLEGE, US
[85] 2016-06-21
[86] 2013-10-21 (PCT/US2013/065907)
[87] (WO2014/099124)
[30] US (61/740,534) 2012-12-21

[11] **2,936,021**
[13] C

[51] **Int.Cl. F28B 1/02 (2006.01) B01D 1/06
(2006.01) F28B 9/10 (2006.01) F28D
7/10 (2006.01)**
[25] EN
[54] **VERTICAL STRAIGHT TUBE
COUNTERCURRENT
CONDENSER**
[54] **CONDENSEUR A CONTRE-
COURANT A TUBES DROITS
VERTICAUX**
[72] ARTAMO, ARVI, FI
[72] JUHOLA, PENTTI, FI
[73] RINHEAT OY, FI
[85] 2016-07-06
[86] 2015-01-05 (PCT/FI2015/050004)
[87] (WO2015/104455)
[30] EP (14397502.7) 2014-01-07

[11] **2,936,046**
[13] C

[51] **Int.Cl. F02K 3/072 (2006.01) F02C
7/36 (2006.01)**
[25] FR
[54] **EPICYCLIC REDUCTION DEVICE
FOR THE ROTATIONAL DRIVE
OF BLADE SETS OF A
REDUCTION TURBOMACHINE**
[54] **DISPOSITIF DE REDUCTION
EPICYCLOIDAL POUR
L'ENTRAINEMENT EN
ROTATION DES ENSEMBLES DE
PALES D'UNE TURBOMACHINE
A REDUCTEUR**
[72] CURLIER, AUGUSTIN, FR
[72] AUSTRUY, JULIEN MICHEL
PATRICK CHRISTIAN, FR
[72] BOUDEBIZA, TEWFIK, FR
[72] CHARIER, GILLES ALAIN, FR
[73] SNECMA, FR
[85] 2016-07-06
[86] 2014-12-24 (PCT/FR2014/053553)
[87] (WO2015/104474)
[30] FR (1450080) 2014-01-07

[11] **2,937,082**
[13] C

[51] **Int.Cl. B32B 37/24 (2006.01) B05C
19/04 (2006.01) B32B 5/16 (2006.01)
B32B 11/12 (2006.01) D06N 5/00
(2006.01) E04D 1/26 (2006.01)**
[25] EN
[54] **APPARATUS TO MAKE
DECORATIONS ON
PREFABRICATED WATER-
PROOFING BITUMEN-MIX
MEMBRANES AND
CORRESPONDING PLANT FOR
THE PRODUCTION OF SAID
PREFABRICATED WATER-
PROOFING MEMBRANES**
[54] **APPAREIL POUR FORMER DES
DECORATIONS SUR DES
MEMBRANES D'ETANCHEITE EN
MELANGE A BASE DE BITUME
PREFABRIQUEES ET
INSTALLATION
CORRESPONDANTE POUR LA
PRODUCTION DESDITES
MEMBRANES D'ETANCHEITE
PREFABRIQUEES**
[72] PASTORUTTI, GINO, IT
[73] BOATO INTERNATIONAL S.P.A. A
SOCIO UNICO, IT
[85] 2016-07-15
[86] 2015-02-18 (PCT/IB2015/051242)
[87] (WO2015/125089)
[30] IT (UD2014A000028) 2014-02-18

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[11] **2,937,417**
[13] C

[51] **Int.Cl. C07D 471/04 (2006.01) C07C 39/06 (2006.01) C07C 211/63 (2006.01) C07D 295/06 (2006.01)**

[25] EN

[54] **AN IMPROVED PROCESS FOR THE PREPARATION OF TRAZODONE AND HYDROCHLORIDE SALT THEREOF**

[54] **PROCEDE AMELIORE POUR LA PREPARATION DE TRAZODONE ET SON SEL DE CHLORHYDRATE**

[72] KADAM, SHASHIKANT, IN

[72] SOMISETTI, NARENDER RAO, IN

[72] ASHILI, SRINIVAS, IN

[72] RAIGONI, NARSIMULU, IN

[73] PIRAMAL PHARMA LIMITED, IN

[85] 2016-07-20

[86] 2014-12-12 (PCT/IB2014/066841)

[87] (WO2015/110883)

[30] IN (203/MUM/2014) 2014-01-21

[11] **2,937,972**
[13] C

[51] **Int.Cl. G16H 10/00 (2018.01) G16H 10/60 (2018.01) G16H 40/40 (2018.01) H04W 4/30 (2018.01) H04L 12/16 (2006.01) G16H 40/67 (2018.01)**

[25] EN

[54] **MOBILE DATA MANAGEMENT SYSTEM**

[54] **SYSTEME DE GESTION DE DONNEES MOBILES**

[72] BURTON, DAVID, AU

[73] BURTON, DAVID, AU

[85] 2016-07-26

[86] 2015-04-23 (PCT/AU2015/000242)

[87] (WO2015/131242)

[30] AU (2014900755) 2014-03-06

[11] **2,938,601**
[13] C

[51] **Int.Cl. C04B 41/52 (2006.01) C04B 41/48 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING BUILDING MATERIAL**

[54] **PROCEDE DE PRODUCTION DE MATERIAU DE CONSTRUCTION**

[72] TAGUCHI, HIROYUKI, JP

[72] MURASE, MIHO, JP

[73] NICHIHA CORPORATION, JP

[86] (2938601)

[87] (2938601)

[22] 2016-08-11

[30] JP (JP2015-194155) 2015-09-30

[11] **2,938,883**
[13] C

[51] **Int.Cl. A23L 2/00 (2006.01)**

[25] EN

[54] **PREPARATION AND INCORPORATION OF CO-PRODUCTS INTO BEVERAGES TO ACHIEVE METABOLIC AND GUT HEALTH BENEFITS**

[54] **PREPARATION ET INCORPORATION DE CO-PRODUITS DANS DES BOISSONS A DES FINS D'AMELIORATION DE LA SANTE METABOLIQUE ET INTESTINALE**

[72] BALASUBRAMANIAN, SUNDAR, US

[72] BORDENAVE, NICOLAS, US

[72] HARKNESS, LAURA, US

[72] HITCHCOCK, BRYAN WILLIAM, US

[72] HSIEH, MONGJAN, US

[72] JORDAN, RACHEL LISA, US

[72] MATHEWS, JEFFREY DAVID, US

[72] RIVERA, TEODORO, US

[72] SAUNDERS, CAROLINE, US

[72] SHIN, JIN-E, US

[72] SMALL, WILLIAM B., II, US

[72] WILSON, ALISSA, US

[73] PEPSICO, INC., US

[85] 2016-08-04

[86] 2015-02-06 (PCT/US2015/014850)

[87] (WO2015/120295)

[30] US (PCT/US2014/015326) 2014-02-07

[30] US (14/262,213) 2014-04-25

[11] **2,939,133**
[13] C

[51] **Int.Cl. H01M 8/04 (2016.01)**

[25] FR

[54] **PURGE CIRCUIT OF A FUEL CELL**

[54] **CIRCUIT DE PURGE D'UNE PILE A COMBUSTIBLE**

[72] METKEMEIJER, RUDOLF, FR

[72] DE GRISARD, BENJAMIN, FR

[72] LEROUX, PATRICK, FR

[72] ACHARD, PATRICK, FR

[73] SYMBIOFCELL, FR

[73] ASSOCIATION POUR LA RECHERCHE ET LE DEVELOPPEMENT DES METHODES ET PROCESSUS INDUSTRIELS, FR

[85] 2016-08-09

[86] 2015-02-10 (PCT/EP2015/052687)

[87] (WO2015/118161)

[30] FR (14 50986) 2014-02-10

[11] **2,939,422**
[13] C

[51] **Int.Cl. B01D 35/143 (2006.01) F02M 37/24 (2019.01) B01D 36/00 (2006.01)**

[25] EN

[54] **FILTER CARTRIDGE AND FILTER GROUP WITH WATER SENSOR FIXED TO THE FILTER CORE**

[54] **CARTOUCHE FILTRANTE ET GROUPE DE FILTRES MUNI D'UN CAPTEUR D'EAU FIXE AU NOYAU DU FILTRE**

[72] GIRONDI, GIORGIO, IT

[73] UFI FILTERS S.P.A., IT

[85] 2016-08-11

[86] 2015-02-05 (PCT/IB2015/000129)

[87] (WO2015/128711)

[30] IT (RE2014A000015) 2014-02-27

[11] **2,939,664**
[13] C

[51] **Int.Cl. G02F 1/13 (2006.01) G02F 1/133 (2006.01) G09G 3/36 (2006.01)**

[25] EN

[54] **ELECTRICALLY-TUNABLE LENSES AND LENS SYSTEMS**

[54] **LENTILLES A REGLAGE ELECTRIQUE ET SYSTEMES DE LENTILLE**

[72] YADIN, YOAV, IL

[72] HADDAD, YARIV, IL

[72] ALON, ALEX, IL

[73] OPTICA AMUKA (A.A.) LTD., IL

[85] 2016-08-12

[86] 2015-03-11 (PCT/IB2015/051766)

[87] (WO2015/136458)

[30] US (61/952,226) 2014-03-13

[30] US (61/969,190) 2014-03-23

[30] US (61/972,445) 2014-03-31

[11] **2,939,857**
[13] C

[51] **Int.Cl. F21K 99/00 (2016.01) F21V 17/00 (2006.01) F21V 19/04 (2006.01) F21V 29/00 (2015.01)**

[25] EN

[54] **LED LIGHTING SYSTEM**

[54] **SYSTEME D'ECLAIRAGE A DEL**

[72] NANNI, MARIO, IT

[73] VIABIZZUNO S.R.L., IT

[85] 2016-08-15

[86] 2014-12-19 (PCT/IB2014/067121)

[87] (WO2015/150888)

[30] IT (BO2014A000184) 2014-04-01

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[11] **2,940,435**
[13] C

[51] **Int.Cl. B32B 5/26 (2006.01) A61L 31/00 (2006.01)**

[25] EN

[54] **MULTILAYER SHEET, INTEGRATED SHEET USING SAME, AND MANUFACTURING METHOD THEREFOR**

[54] **FEUILLE MULTICOUCHE, FEUILLE INTEGREE L'UTILISANT, ET LEUR PROCEDE DE FABRICATION**

[72] SATO, TERUHISA, JP

[72] YAKAKE, YOSHIKAZU, JP

[72] ARAKANE, TORU, JP

[72] SUZUKI, AI, JP

[73] TORAY INDUSTRIES, INC., JP

[85] 2016-08-22

[86] 2015-03-31 (PCT/JP2015/060056)

[87] (WO2015/152204)

[30] JP (2014-072603) 2014-03-31

[11] **2,940,442**
[13] C

[51] **Int.Cl. A61K 31/047 (2006.01) A61K 31/195 (2006.01) A61K 31/485 (2006.01) A61P 25/00 (2006.01)**

[25] EN

[54] **COMPOSITIONS FOR TREATING MECHANICAL NEURONAL INJURIES**

[54] **COMPOSITIONS POUR LE TRAITEMENT DE BLESSURES NEURONALES MECANIQUES**

[72] COHEN, DANIEL, FR

[72] NABIROCHKIN, SERGUEI, FR

[72] CHUMAKOV, ILYA, FR

[73] PHARNEXT, FR

[85] 2016-08-23

[86] 2015-02-23 (PCT/EP2015/053700)

[87] (WO2015/124763)

[30] US (14/187,841) 2014-02-24

[11] **2,940,492**
[13] C

[51] **Int.Cl. B65B 43/18 (2006.01) B65B 43/20 (2006.01) B65B 43/22 (2006.01)**

[25] EN

[54] **SACK FEEDING DEVICE FOR A SACKING MACHINE**

[54] **DISPOSITIF D'ALIMENTATION EN SACS POUR UNE MACHINE D'ENSACHAGE**

[72] BRIOSCHI, SERGIO, IT

[73] FLSMIDTH A/S, DK

[85] 2016-08-23

[86] 2015-03-04 (PCT/DK2015/050043)

[87] (WO2015/139705)

[30] DK (PA 2014 70133) 2014-03-18

[11] **2,940,502**
[13] C

[51] **Int.Cl. E01H 10/00 (2006.01)**

[25] EN

[54] **INTERLOCK ARRANGEMENT FOR POWERED DEVICES**

[54] **DISPOSITION DE VERROU DESTINEE A DES APPAREILS ALIMENTES**

[72] HOPFENSBERGER, ALEX J., US

[72] HOLVERSON, ANDREW, US

[73] MONROE TRUCK EQUIPMENT, INC., US

[86] (2940502)

[87] (2940502)

[22] 2016-08-26

[30] US (14/848,508) 2015-09-09

[11] **2,941,705**
[13] C

[51] **Int.Cl. C01B 3/26 (2006.01) F01K 23/10 (2006.01) F02C 3/22 (2006.01) F02C 3/30 (2006.01) F02C 6/04 (2006.01) F02C 6/18 (2006.01) F23R 3/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PRODUCING HYDROGEN**

[54] **SYSTEME ET METHODE DE PRODUCTION D'HYDROGENE**

[72] IKEDA, OSAMU, JP

[72] MIKURIYA, TOMOYUKI, JP

[72] FURUKAWA, TOSHIKI, JP

[72] OZAKI, YUHI, JP

[73] CHIYODA CORPORATION, JP

[85] 2016-09-06

[86] 2015-03-25 (PCT/JP2015/001706)

[87] (WO2015/146170)

[30] JP (2014-064627) 2014-03-26

[11] **2,941,833**
[13] C

[51] **Int.Cl. E04B 1/86 (2006.01) E04B 2/74 (2006.01) E05D 5/02 (2006.01)**

[25] EN

[54] **DEVICE FOR HANGING A SOUND-ABSORBING PANEL OR THE LIKE**

[54] **DISPOSITIF PERMETTANT DE SUSPENDRE UN PANNEAU ABSORBANT LE SON OU ANALOGUE**

[72] CAIMI, RENATO, IT

[73] ELEDA S.R.L., IT

[85] 2016-09-07

[86] 2015-03-09 (PCT/IB2015/051698)

[87] (WO2015/136428)

[30] IT (MI2014U 000092) 2014-03-11

[11] **2,941,848**
[13] C

[51] **Int.Cl. F23J 3/02 (2006.01) F28G 1/16 (2006.01) F28G 15/04 (2006.01)**

[25] EN

[54] **DEVICE FOR THE CLEANING OF FLUE GAS TUBES OF A BOILER PLANT WITH A CLEANING HOSE, A HOSE STORE AND A HOSE GUIDE**

[54] **DISPOSITIF POUR NETTOYER DES ASPIRATIONS DE GAZ DE FUMEE D'UNE INSTALLATION DE CHAUDIERE, COMPARTANT UN TUYAU DE NETTOYAGE, UN RESERVOIR DE TUYAU ET UN DISPOSITIF DE GUIDAGE DE TUYAU**

[72] STRAMKA, CLAUDIA, DE

[72] DRAGER, RALF, DE

[73] MARTIN GMBH FUR UMWELT-UND ENERGIETECHNIK, DE

[85] 2016-09-07

[86] 2015-03-23 (PCT/DE2015/000132)

[87] (WO2015/149733)

[30] DE (10 2014 004 639.7) 2014-04-01

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[11] **2,941,901**
[13] C

[51] **Int.Cl. A61L 2/10 (2006.01) B01J 3/04 (2006.01) C02F 1/32 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR CONTINUOUS VIRUS INACTIVATION**
[54] **DISPOSITIF ET PROCÉDE D'INACTIVATION CONTINUE DE VIRUS**
[72] LOBEDANN, MARTIN, DE
[72] KLUTZ, STEPHAN, DE
[72] KURT, SAFA KUTUP, DE
[73] BAYER AKTIENGESELLSCHAFT, DE
[85] 2016-09-08
[86] 2015-03-06 (PCT/EP2015/054698)
[87] (WO2015/135844)
[30] EP (14158845.9) 2014-03-11

[11] **2,942,256**
[13] C

[51] **Int.Cl. C08L 21/00 (2006.01) B60C 1/00 (2006.01) C08C 19/28 (2006.01) C08K 3/04 (2006.01) C08K 3/36 (2006.01) C08L 15/00 (2006.01)**
[25] EN
[54] **RUBBER COMPOSITION COMPRISING MODIFIED LIQUID ISOPRENE RUBBER**
[54] **COMPOSITION DE CAOUTCHOUC COMPRENANT UN CAOUTCHOUC D'ISOPRENE LIQUIDE MODIFIÉ**
[72] KODA, DAISUKE, JP
[72] HIRATA, KEI, JP
[73] KURARAY CO., LTD., JP
[85] 2016-09-09
[86] 2015-03-10 (PCT/JP2015/056904)
[87] (WO2015/137296)
[30] JP (2014-051807) 2014-03-14

[11] **2,942,578**
[13] C

[51] **Int.Cl. C21D 1/673 (2006.01) B21D 53/28 (2006.01) B23P 15/14 (2006.01) C21D 1/34 (2006.01) C21D 1/74 (2006.01) F16D 23/00 (2006.01) C21D 9/32 (2006.01)**
[25] EN
[54] **METHOD FOR FORMING POWER TRANSMISSION COMPONENTS USING HEAT-ASSISTED CALIBRATION PROCESS AND POWER TRANSMISSION COMPONENTS MADE USING METHOD**
[54] **PROCÉDE DE FORMATION D'ELEMENTS DE TRANSMISSION D'ENERGIE AU MOYEN D'UN PROCESSUS DE CALIBRAGE ASSISTÉ PAR CHALEUR ET ELEMENTS DE TRANSMISSION D'ENERGIE FABRIQUES GRACE AUDIT PROC EDE**
[72] SABO, JOHN R., CA
[72] SULAJ, SOKOL, CA
[73] MAGNA POWERTRAIN INC., CA
[85] 2016-09-13
[86] 2015-03-25 (PCT/CA2015/000175)
[87] (WO2015/143537)
[30] US (61/970,008) 2014-03-25
[30] US (62/108,793) 2015-01-28

[11] **2,942,959**
[13] C

[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] FR
[54] **OPTICAL PORT WITH PRE-CONNECTED CABLE REEL**
[54] **PRISE OPTIQUE AVEC DEVIDOIR DE CABLE PRECONNECTÉ**
[72] LECOQ, DANIEL, FR
[73] ORANGE, FR
[85] 2016-09-15
[86] 2015-03-23 (PCT/FR2015/050726)
[87] (WO2015/145055)
[30] FR (1452674) 2014-03-27

[11] **2,943,031**
[13] C

[51] **Int.Cl. A01N 37/04 (2006.01) A01N 43/40 (2006.01) A01N 43/56 (2006.01) A01N 43/58 (2006.01) A01N 43/88 (2006.01) A01N 43/90 (2006.01) A01P 1/00 (2006.01) A01P 7/04 (2006.01) A01P 17/00 (2006.01)**
[25] EN
[54] **METHOD FOR SUPPRESSION OF INFECTION BY PLANT VIRUS**
[54] **PROCÉDE POUR POUR PREVENIR L'INFECTION PAR UN VIRUS VEGETAL**
[72] KASHIMA, TAKAYUKI, JP
[73] ISHIHARA SANGYO KAISHA, LTD., JP
[85] 2016-09-16
[86] 2015-03-27 (PCT/JP2015/059632)
[87] (WO2015/147263)
[30] JP (2014-068268) 2014-03-28

[11] **2,943,158**
[13] C

[51] **Int.Cl. A62C 31/22 (2006.01) A62C 27/00 (2006.01)**
[25] EN
[54] **A PENETRATION DEVICE FOR USE IN FIRE-FIGHTING OPERATIONS**
[54] **DISPOSITIF DE PENETRATION A UTILISER DANS DES OPERATIONS DE LUTTE CONTRE L'INCENDIE**
[72] SEMMLER, OLIVER, DE
[73] IVECO MAGIRUS AG, DE
[85] 2016-09-19
[86] 2015-03-27 (PCT/IB2015/052282)
[87] (WO2015/145398)
[30] EP (14162343.9) 2014-03-28

[11] **2,943,735**
[13] C

[51] **Int.Cl. E04B 1/86 (2006.01) E04B 2/74 (2006.01)**
[25] EN
[54] **JOINING ELEMENT FOR CONNECTING TOGETHER TWO OR MORE PANELS**
[54] **ELEMENT DE JONCTION CONCU POUR RELIER DEUX OU PLUSIEURS PANNEAUX**
[72] CAIMI, RENATO, IT
[73] ELEDA S.R.L., IT
[85] 2016-09-23
[86] 2015-03-31 (PCT/IB2015/000435)
[87] (WO2015/150905)
[30] IT (MI2014U000125) 2014-03-31

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[11] **2,943,848**
[13] C

[51] **Int.Cl. A61H 1/02 (2006.01)**
[25] EN
[54] **UPPER LIMBS REHABILITATING,
MONITORING AND/OR
EVALUATING INTERACTIVE
DEVICE**
[54] **DISPOSITIF INTERACTIF DE
REEDUCATION, SURVEILLANCE
ET/OU EVALUATION DES
MEMBRES SUPERIEURS**
[72] SAPIN, JULIEN, BE
[72] DEHEZ, BRUNO, BE
[73] UNIVERSITE CATHOLIQUE DE
LOUVAIN, BE
[85] 2016-09-26
[86] 2015-03-26 (PCT/EP2015/056647)
[87] (WO2015/144853)
[30] EP (14162123.5) 2014-03-27

[11] **2,943,868**
[13] C

[51] **Int.Cl. B01J 38/12 (2006.01) B01J
23/882 (2006.01) B01J 23/883
(2006.01) B01J 23/94 (2006.01) B01J
37/20 (2006.01) B01J 38/02 (2006.01)
B01J 38/62 (2006.01)**
[25] EN
[54] **PROCESS FOR REJUVENATING
HYDROTREATING CATALYSTS**
[54] **PROCEDE DE REGENERATION
DE CATALYSEURS
D'HYDROTRAITEMENT**
[72] VINCENT, GUILLAUME, FR
[72] SEAMANS, JAMES DALLAS, US
[73] CATALYST RECOVERY EUROPE
S.A., LU
[85] 2016-09-26
[86] 2015-04-16 (PCT/EP2015/058300)
[87] (WO2015/158844)
[30] LU (92429) 2014-04-16

[11] **2,944,328**
[13] C

[51] **Int.Cl. H01S 5/50 (2006.01) H01S 5/04
(2006.01) H01S 5/183 (2006.01) H01S
5/024 (2006.01)**
[25] EN
[54] **OPTICAL AMPLIFIER**
[54] **AMPLIFICATEUR OPTIQUE**
[72] MALCOLM, GRAEME PETER
ALEXANDER, GB
[72] HAMILTON, CRAIG JAMES, GB
[73] SOLUS TECHNOLOGIES LIMITED,
GB
[85] 2016-09-28
[86] 2015-04-28 (PCT/GB2015/051232)
[87] (WO2015/166229)
[30] GB (1407462.9) 2014-04-28

[11] **2,944,932**
[13] C

[51] **Int.Cl. B65B 31/02 (2006.01)**
[25] EN
[54] **VACUUM DRAWER FOR
VACUUMING FOOD**
[54] **TIROIR D'ASPIRATEUR DESTINE
A ASPIRER LES ALIMENTS**
[72] BOCKS, STEFAN, DE
[72] HARLANDER, FLORIAN, DE
[73] GRONBACH K.S., SK
[86] (2944932)
[87] (2944932)
[22] 2016-10-12
[30] DE (10 2015 013 444.2) 2015-10-15

[11] **2,945,221**
[13] C

[51] **Int.Cl. F42B 8/02 (2006.01) F42B 8/08
(2006.01)**
[25] EN
[54] **POLYMER MARKING
PROJECTILE WITH
INTEGRATED METALLIC
SEALING RING**
[54] **PROJECTILE DE MARQUAGE
POLYMERE AYANT UNE BAGUE
D'ETANCHEITE METALLIQUE
INTEGREE**
[72] LAFORTUNE, ERIC, CA
[72] DE SOUSA, LUIS, CA
[73] GENERAL DYNAMICS ORDNANCE
AND TACTICAL SYSTEMS -
CANADA, INC., CA
[85] 2016-10-11
[86] 2015-04-13 (PCT/CA2015/050302)
[87] (WO2015/172240)
[30] US (14/277,300) 2014-05-14

[11] **2,945,395**
[13] C

[51] **Int.Cl. G01N 35/08 (2006.01) C12M
1/00 (2006.01) C12M 1/34 (2006.01)**
[25] EN
[54] **DEP FORCE CONTROL AND
ELECTROWETTING CONTROL
IN DIFFERENT SECTIONS OF
THE SAME MICROFLUIDIC
APPARATUS**
[54] **COMMANDE DE FORCE DEP ET
COMMANDE
D'ELECTROMOULLAGE DANS
DIFFERENTES SECTIONS DU
MEME APPAREIL
MICROFLUIDIQUE**
[72] KHANDROS, IGOR Y., US
[72] NEVILL, J. TANNER, US
[72] SHORT, STEVEN W., US
[72] WU, MING C., US
[73] BERKELEY LIGHTS, INC., US
[85] 2016-10-07
[86] 2015-04-25 (PCT/US2015/027679)
[87] (WO2015/164846)
[30] US (14/262,140) 2014-04-25

[11] **2,945,663**
[13] C

[51] **Int.Cl. B28C 7/02 (2006.01) B28C 5/22
(2006.01)**
[25] EN
[54] **DYNAMIC SEGREGATION
MONITORING OF CONCRETE**
[54] **SURVEILLANCE DE LA
SEGREGATION DYNAMIQUE DU
BETON**
[72] JORDAN, RICHARD K., US
[72] ROBERTS, MARK F., US
[72] GLINA, YAN, US
[72] TREGGER, NATHAN A., US
[72] ROBERTS, LAWRENCE R., US
[72] KOEHLER, ERIC P., US
[73] VERIFI LLC, US
[85] 2016-10-12
[86] 2015-04-09 (PCT/US2015/025054)
[87] (WO2015/160610)
[30] US (61/979,217) 2014-04-14

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[11] **2,945,728**
[13] C

[51] **Int.Cl. B01D 45/04 (2006.01)**
[25] FR
[54] **FILTERING OF A FLOW OF GAS/PARTICLES**
[54] **FILTRAGE D'UN FLUX GAZ/PARTICULES**
[72] BAUDUIN, LIONEL, FR
[72] GUILLEMONT, MAXENCE, FR
[72] VIEL, JULIEN, FR
[72] PRUNERA-USACH, STEPHANE, FR
[73] SAFRAN TRANSMISSION SYSTEMS, FR
[85] 2016-10-13
[86] 2015-04-15 (PCT/FR2015/051028)
[87] (WO2015/159028)
[30] FR (1453385) 2014-04-16

[11] **2,945,844**
[13] C

[51] **Int.Cl. B29C 45/14 (2006.01) B29C 31/00 (2006.01)**
[25] EN
[54] **METHOD FOR TRANSFERRING BOTTOM LABELS AND WRAPAROUND LABELS INTO AN INJECTION MOULD AND DEVICE, SUITABLE FOR THIS PURPOSE, FOR PRODUCING INJECTION-MOULDED PARTS PROVIDED WITH BOTTOM LABELS AND WRAPAROUND LABELS**
[54] **PROCEDE DE TRANSFERT D'ETIQUETTES DE FOND ET D'ETIQUETTES DE POURTOUR DANS UN MOULE D'INJECTION ET DISPOSITIF APPROPRIE A CET EFFET POUR FABRIQUER DES PIECES MOULEES PAR INJECTION MUNIES D'ETIQUETTES DE FOND ET DE POURTOUR**
[72] DOBLER, DANIEL, DE
[73] SONOCO DEVELOPMENT INC., US
[85] 2016-10-14
[86] 2015-04-13 (PCT/EP2015/000767)
[87] (WO2015/158423)
[30] DE (10 2014 005 659.7) 2014-04-17

[11] **2,945,935**
[13] C

[51] **Int.Cl. E21B 10/26 (2006.01) E21B 10/567 (2006.01)**
[25] EN
[54] **DOWNHOLE DRILL BIT CUTTING ELEMENT WITH CHAMFERED RIDGE**
[54] **ELEMENT DE COUPE DE TREPAN DE FOND DE TROU A CRETE CHANFREINEE**
[72] REZA, RAHMANI, US
[73] NATIONAL OILWELL DHT, L.P., US
[85] 2016-10-14
[86] 2015-04-16 (PCT/US2015/026061)
[87] (WO2015/161010)
[30] US (61/980,256) 2014-04-16

[11] **2,945,995**
[13] C

[51] **Int.Cl. G01M 17/00 (2006.01) G01M 7/02 (2006.01)**
[25] EN
[54] **AIRCRAFT HEALTH AND USAGE MONITORING SYSTEM AND TRIGGERING METHOD**
[54] **SYSTEME DE SURVEILLANCE DE L'ETAT DE SANTE ET DE L'UTILISATION D'UN AERONEF ET METHODE DE DECLenchEMENT**
[72] SOKONAJ, VALERIJAN, GB
[73] SAFRAN LANDING SYSTEMS UK LIMITED, GB
[86] (2945995)
[87] (2945995)
[22] 2016-10-18
[30] EP (15191345.6) 2015-10-23

[11] **2,946,456**
[13] C

[51] **Int.Cl. C02F 1/52 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR DEWATERING SLUDGE ON A WIRE**
[54] **METHODE ET DISPOSITIF DE DESHYDRATATION DE BOUE SUR UN FIL**
[72] HOCHEGGER, URSULA, AT
[72] SPIELMANN, CHRISTOPH, AT
[73] ANDRITZ AG, AT
[85] 2016-10-20
[86] 2015-04-13 (PCT/EP2015/057947)
[87] (WO2015/162024)
[30] AT (A 291/2014) 2014-04-23

[11] **2,946,467**
[13] C

[51] **Int.Cl. C08J 3/07 (2006.01) C02F 11/147 (2019.01) B01D 21/01 (2006.01) C02F 1/56 (2006.01) C08F 2/38 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING SUSPENSIONS OF SOLID PARTICLES IN WATER USING COMB LIKE POLYMERS**
[54] **PROCEDE POUR TRAITER DES SUSPENSIONS DE PARTICULES SOLIDES DANS L'EAU A L'AIDE DE POLYMERES DU TYPE PEIGNE**
[72] FAVERO, CEDRICK, FR
[72] TIZZOTTI, MORGAN, FR
[73] SPCM SA, FR
[85] 2016-10-20
[86] 2015-04-24 (PCT/EP2015/058869)
[87] (WO2015/180900)
[30] EP (14305816.2) 2014-05-30

[11] **2,946,499**
[13] C

[51] **Int.Cl. G03G 15/06 (2006.01)**
[25] EN
[54] **CARTRIDGE, AND ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS WHICH USES CARTRIDGE**
[54] **CARTOUCHE ET APPAREIL DE FORMATION D'IMAGE ELECTROENCEPHALOGRAPHIQUE EMPLOYANT LA CARTOUCHE**
[72] MIYABE, SHIGEO, JP
[72] UENO, TAKAHITO, JP
[72] MORIOKA, MASANARI, JP
[73] CANON KABUSHIKI KAISHA, JP
[86] (2946499)
[87] (2946499)
[22] 2009-06-09
[62] 2,725,120
[30] JP (2008-151824) 2008-06-10

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[11] **2,947,121**
[13] C

[51] **Int.Cl. F02C 7/06 (2006.01) F01D 25/16 (2006.01) F02C 7/32 (2006.01) F02C 7/36 (2006.01)**

[25] FR

[54] **MODULAR ASSEMBLY FOR A TURBINE ENGINE**

[54] **ENSEMBLE MODULAIRE POUR UNE TURBOMACHINE**

[72] CURLIER, AUGUSTIN, FR

[72] LEMARCHAND, KEVIN MORGANE, FR

[72] NOWAKOWSKI, NATHALIE, FR

[72] VINCENT, THOMAS ALAIN CHRISTIAN, FR

[73] SAFRAN AIRCRAFT ENGINES, FR

[85] 2016-10-26

[86] 2015-04-28 (PCT/FR2015/051158)

[87] (WO2015/166187)

[30] FR (1453889) 2014-04-29

[30] FR (1453890) 2014-04-29

[30] FR (1459530) 2014-10-03

[11] **2,947,785**
[13] C

[51] **Int.Cl. E02F 7/10 (2006.01) F16L 11/08 (2006.01) F16L 57/06 (2006.01)**

[25] FR

[54] **UNBONDED FLEXIBLE PIPE FOR TRANSPORTING AN ABRASIVE MATERIAL, ASSOCIATED METHOD AND ASSOCIATED USE**

[54] **CONDUITE FLEXIBLE NON LIEE DE TRANSPORT D'UN MATERIAU ABRASIF, PROCEDE ET UTILISATION ASSOCIES**

[72] ESPINASSE, PHILIPPE, FR

[72] PARENTEAU, THOMAS, FR

[73] TECHNIP FRANCE, FR

[85] 2016-11-02

[86] 2015-05-06 (PCT/EP2015/059961)

[87] (WO2015/169859)

[30] FR (14 54094) 2014-05-06

[11] **2,948,970**
[13] C

[51] **Int.Cl. E04B 1/38 (2006.01)**

[25] EN

[54] **ANCHOR FOR SECURING A POST TO DECK ELEMENTS, AND A DECK ASSEMBLY THEREWITH**

[54] **ANCRAGE DE FIXATION DE POTEAU ET D'ELEMENTS DE PLATEFORME ET UN DISPOSITIF DE PLATEFORME ASSOCIE**

[72] LUPIEN, GILLES, CA

[73] KATCHABA IMPORTS INC., CA

[86] (2948970)

[87] (2948970)

[22] 2016-11-18

[30] US (62/259,417) 2015-11-24

[11] **2,949,181**
[13] C

[51] **Int.Cl. G06Q 50/30 (2012.01) B07C 3/00 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR FACILITATING MOVEMENT OF ARTICLES OF FREIGHT**

[54] **PROCEDES ET SYSTEMES VISANT A FACILITER LE DEPLACEMENT D'ARTICLES DE FRET**

[72] DECK, CHRIS, US

[73] R & L CARRIERS, INC., US

[86] (2949181)

[87] (2949181)

[22] 2011-05-24

[62] 2,740,731

[30] US (12/785553) 2010-05-24

[11] **2,950,096**
[13] C

[51] **Int.Cl. A61K 38/39 (2006.01) A61K 38/01 (2006.01) A61P 19/02 (2006.01)**

[25] EN

[54] **USE OF LOW MOLECULAR WEIGHT COLLAGEN HYDROLYSATE FOR PREVENTING AND/OR REDUCING JOINT PAIN, LATERAL MENISCAL PROTUSION AND/OR IMPROVING CARTILAGE ABRASION GRADE**

[54] **UTILISATION D'HYDROLYSAT DE COLLAGENE A FAIBLE POIDS MOLECULAIRE DESTINE A PREVENIR OU REDUIRE LA DOULEUR ARTICULAIRE, LA TUBEROSITE MENISCALE LATERALE OU A AMELIORER LE DEGRE D'ABRASION DU CARTILAGE**

[72] MICHAUD, GUY, CA

[73] CORPORATION GENACOL CANADA INC., CA

[86] (2950096)

[87] (2950096)

[22] 2016-11-28

[11] **2,950,235**
[13] C

[51] **Int.Cl. A62C 2/06 (2006.01) F16L 5/04 (2006.01) F16L 55/10 (2006.01) H02G 3/04 (2006.01) H02G 3/08 (2006.01)**

[25] EN

[54] **FIRE PROTECTION STRIP**

[54] **BANDE PARE-FEU**

[72] FORG, CHRISTIAN, DE

[73] HILTI AKTIENGESSELLSCHAFT, LI

[85] 2016-11-24

[86] 2015-06-30 (PCT/EP2015/064806)

[87] (WO2016/001205)

[30] EP (14174878.0) 2014-06-30

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[11] **2,950,243**
[13] C

[51] **Int.Cl. B65B 29/02 (2006.01) B65B 29/06 (2006.01) B65B 51/14 (2006.01) B65B 61/20 (2006.01)**

[25] EN

[54] **CALIBRATED COUPLING STATION FOR COMPONENTS OF CAPSULES AND APPARATUS FOR PREPARING SUCH CAPSULES**

[54] **STATION DE COUPLAGE CALIBREE POUR COMPOSANTS DE CAPSULES ET APPAREIL DE PREPARATION DE CES CAPSULES**

[72] MANARESI, GIORGIO, IT
[72] BENNI, LUCA, IT
[73] I.M.A. INDUSTRIA MACCHINE AUTOMATICHE S.P.A., IT

[85] 2016-11-24
[86] 2015-05-25 (PCT/IB2015/053867)
[87] (WO2015/181705)
[30] IT (BO2014A000314) 2014-05-28

[11] **2,950,478**
[13] C

[51] **Int.Cl. A61K 47/10 (2017.01) A61K 9/00 (2006.01)**

[25] EN

[54] **HYDROALCOHOLIC SYSTEM FOR NAIL TREATMENT**

[54] **SYSTEME HYDRO-ALCOOLIQUE POUR LE TRAITEMENT DES ONGLES**

[72] OTERO ESPINAR, FRANCISCO J, ES
[72] ANGUIANO IGEA, M SOLEDAD F, ES
[72] CUTRIN GOMEZ, M ELENA, ES
[72] GOMEZ AMOZA, JOSE LUIS, ES
[73] UNIVERSIDADE DE SANTIAGO DE COMPOSTELA, ES

[85] 2016-11-28
[86] 2015-06-03 (PCT/EP2015/062413)
[87] (WO2015/185647)
[30] EP (14382215.3) 2014-06-04

[11] **2,951,032**
[13] C

[51] **Int.Cl. G09F 19/18 (2006.01) G03B 21/62 (2014.01) G09F 19/22 (2006.01)**

[25] EN

[54] **ANIMATED POSTER**

[54] **AFFICHE ANIMEE**

[72] KAWASH, SAMEER, US
[72] HIBBS, DEREK, US
[72] FRETTS, JOEL, US
[72] OGDEN, MICHAEL, US
[73] UNIVERSAL CITY STUDIOS LLC, US

[85] 2016-12-01
[86] 2015-06-02 (PCT/US2015/033806)
[87] (WO2015/187709)
[30] US (14/295,125) 2014-06-03

[11] **2,951,100**
[13] C

[51] **Int.Cl. C02F 1/28 (2006.01) C02F 1/00 (2006.01) C02F 1/78 (2006.01)**

[25] FR

[54] **METHOD FOR WATER TREATMENT BY ADSORPTION AND FILTRATION ON A GRANULAR MATERIAL BED**

[54] **PROCEDE DE TRAITEMENT D'EAU PAR ADSORPTION ET FILTRATION SUR LIT DE MATERIAU GRANULAIRE.**

[72] GAID, ABDELKADER, FR
[72] SAUVIGNET, PHILIPPE, FR
[73] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT, FR

[85] 2016-12-02
[86] 2015-06-18 (PCT/EP2015/063669)
[87] (WO2015/193410)
[30] FR (1455618) 2014-06-18

[11] **2,951,273**
[13] C

[51] **Int.Cl. B60P 3/22 (2006.01) B60K 15/03 (2006.01) B62D 35/00 (2006.01)**

[25] EN

[54] **AERODYNAMIC AND ADJUSTABLE EFFICIENT BACK OF CAB FUEL TANK HOUSING**

[54] **PARTIE ARRIERE EFFICACE, AERODYNAMIQUE ET REGLABLE D'UN LOGEMENT DE CABINE POUR LES RESERVOIRS DE CARBURANT**

[72] VAN DER LINDEN, PAUL, US
[73] QUANTUM FUEL SYSTEMS LLC, US

[85] 2016-12-05
[86] 2015-06-11 (PCT/US2015/035421)
[87] (WO2015/191918)
[30] US (62/011,385) 2014-06-12

[11] **2,951,851**
[13] C

[51] **Int.Cl. B05D 5/06 (2006.01) B42D 25/364 (2014.01) B42D 25/369 (2014.01) B42D 25/40 (2014.01) B05D 1/28 (2006.01) B05D 3/02 (2006.01) B05D 3/06 (2006.01) B41M 3/00 (2006.01)**

[25] EN

[54] **BELT-DRIVEN PROCESSES FOR PRODUCING OPTICAL EFFECT LAYERS**

[54] **PROCEDES COMMANDES PAR COURROIE PERMETTANT DE PRODUIRE DES COUCHES A EFFET OPTIQUE**

[72] SCHMID, MATHIEU, CH
[72] DESPLAND, CLAUDE-ALAIN, CH
[72] LI, XIANG, CN
[72] DEGOTT, PIERRE, CH
[73] SICPA HOLDING SA, CH

[85] 2016-12-09
[86] 2015-07-20 (PCT/EP2015/066526)
[87] (WO2016/016028)
[30] EP (14179119.4) 2014-07-30

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[11] **2,951,862**
[13] C

[51] **Int.Cl. B32B 3/12 (2006.01) B32B 7/12 (2006.01) B32B 27/04 (2006.01) B32B 37/12 (2006.01) E04C 2/36 (2006.01)**

[25] EN

[54] **STRUCTURE WITH HONEYCOMB CORE**

[54] **STRUCTURE A AME ALVEOLEE**

[72] DIETZ, WOLFGANG, AT

[72] DREZGA, DANIJEL, AT

[72] WOLFSBERGER, GUENTER, AT

[73] MAGNA STEYR
FAHRZEUGTECHNIK AG & CO KG,
AT

[85] 2016-12-09

[86] 2015-12-21 (PCT/EP2015/080784)

[87] (WO2016/102459)

[30] EP (14199858.3) 2014-12-22

[11] **2,951,964**
[13] C

[51] **Int.Cl. G01N 27/87 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR LEAKAGE FLUX TESTING**

[54] **PROCEDE ET DISPOSITIF DE TEST DE FLUX DE FUITE**

[72] UHLIG, ROBERT P., DE

[72] HECKER, FRIEDRICH, DE

[73] INSTITUT DR. FOERSTER GMBH & CO. KG, DE

[85] 2016-12-12

[86] 2015-05-04 (PCT/EP2015/059657)

[87] (WO2015/197239)

[30] DE (10 2014 212 499.9) 2014-06-27

[11] **2,952,729**
[13] C

[51] **Int.Cl. A63F 5/04 (2006.01) A63F 9/24 (2006.01)**

[25] EN

[54] **GAMING DEVICE COMPRISING A ROTATABLE GAME WHEEL**

[54] **DISPOSITIF DE JEU COMPRENANT UNE ROUE DE JEU ROTATIVE**

[72] FRIDRICH, HEINZ, AT

[73] NOVOMATIC AG, AT

[85] 2016-12-16

[86] 2015-06-24 (PCT/EP2015/064229)

[87] (WO2015/197678)

[30] DE (DE 20 2014 005 369.3) 2014-06-27

[11] **2,952,778**
[13] C

[51] **Int.Cl. E01F 15/14 (2006.01) F16F 7/12 (2006.01)**

[25] EN

[54] **CRASH ATTENUATOR APPARATUS**

[54] **APPAREIL D'ATTENUATION DE L'ENERGIE D'IMPACT**

[72] ANGHILERI, MARCO, IT

[72] DI GIACOMO, VALERIA, IT

[72] MAZZOLA, SILVIO, IT

[73] LINDSAY TRANSPORTATION SOLUTIONS, INC., US

[85] 2016-12-16

[86] 2014-10-21 (PCT/US2014/061470)

[87] (WO2015/195158)

[30] US (14/308,941) 2014-06-19

[11] **2,953,280**
[13] C

[51] **Int.Cl. F17C 13/00 (2006.01) F16L 55/00 (2006.01) G02B 23/24 (2006.01)**

[25] EN

[54] **SIGHT GLASS APPARATUS**

[54] **APPAREIL A VERRE-REGARD**

[72] STOCKWELL, PAUL, GB

[72] WIDDUP, DAVID, GB

[72] RAYNERS, JON, GB

[73] PROCESS VISION LIMITED, GB

[85] 2016-12-21

[86] 2015-06-23 (PCT/GB2015/051833)

[87] (WO2015/198038)

[30] GB (1411258.5) 2014-06-25

[11] **2,953,389**
[13] C

[51] **Int.Cl. G01S 1/00 (2006.01) A01D 34/00 (2006.01)**

[25] EN

[54] **PAIRING A BEACON WITH A MOBILE ROBOT**

[54] **APPARIEMENT D'UNE BALISE AVEC UN ROBOT MOBILE**

[72] BEAULIEU, ANDREW, US

[72] YAMAUCHI, BRIAN, US

[72] STELTZ, ERIK, US

[73] IROBOT CORPORATION, US

[85] 2017-01-03

[86] 2016-07-22 (PCT/US2016/043541)

[87] (WO2017/015554)

[30] US (14/807,485) 2015-07-23

[11] **2,954,055**
[13] C

[51] **Int.Cl. B65G 1/04 (2006.01) B65G 47/00 (2006.01)**

[25] EN

[54] **LIFT CONFIGURATION FOR CARRIAGE-BASED WAREHOUSE**

[54] **CONFIGURATION DE LEVAGE POUR ENTREPOT A CHARIOTS**

[72] STEVENS, CRISTON S., US

[73] DEMATIC CORP., US

[85] 2016-12-30

[86] 2015-06-30 (PCT/US2015/038579)

[87] (WO2016/007330)

[30] US (62/021,901) 2014-07-08

[11] **2,954,109**
[13] C

[51] **Int.Cl. B64C 25/18 (2006.01) B64C 25/26 (2006.01) F16C 11/10 (2006.01)**

[25] EN

[54] **AIRCRAFT LANDING GEAR ASSEMBLY**

[54] **DISPOSITIF DE TRAIN D'ATTERRISSAGE D'UN AERONEF**

[72] SCHMIDT, ROBERT KYLE, GB

[73] SAFRAN LANDING SYSTEMS UK LIMITED, GB

[86] (2954109)

[87] (2954109)

[22] 2017-01-09

[30] EP (16151978.0) 2016-01-19

[11] **2,954,115**
[13] C

[51] **Int.Cl. C12Q 1/6825 (2018.01) C12Q 1/6816 (2018.01) C12Q 1/6876 (2018.01) C07H 21/00 (2006.01) C12M 1/34 (2006.01) G01N 27/327 (2006.01) G01N 27/416 (2006.01)**

[25] EN

[54] **ULTRA-SENSITIVE BIOANALYTE QUANTIFICATION FROM SELF-ASSEMBLED QUADRUPLEX TAGS**

[54] **QUANTIFICATION DE BIOANALYTE ULTRA-SENSIBLE A PARTIR D'ETIQUETTES QUADRUPLEXES AUTO-ASSEMBLEES**

[72] GORDON, NEIL, CA

[73] GORDON, NEIL, CA

[86] (2954115)

[87] (2954115)

[22] 2017-01-11

[30] US (62/408,803) 2016-10-16

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[11] **2,955,174**
[13] C

[51] **Int.Cl. B05D 1/12 (2006.01) B05B 13/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR COATINGS INTERNAL THREADS**
[54] **APPAREIL ET PROCÉDE POUR LE REVÊTEMENT DE FILETAGES INTÉRIEURS**
[72] SESSA, EUGENE, US
[72] OLESKIE, RAYMOND, US
[73] NYLOK LLC, US
[85] 2017-01-13
[86] 2015-07-13 (PCT/US2015/040104)
[87] (WO2016/010877)
[30] US (14/330,725) 2014-07-14

[11] **2,955,738**
[13] C

[51] **Int.Cl. F01D 5/20 (2006.01)**
[25] FR
[54] **TURBOMACHINE TURBINE BLADE SQUEALER TIP**
[54] **BAIGNOIRE DE SOMMET D'AUBES D'UNE TURBINE DE TURBOMACHINE**
[72] AUZILLON, PIERRE GUILLAUME, FR
[72] OLIVE, REMI PHILIPPE OSWALD, FR
[72] PIERRE, MARJOLAINE MARIE-ANNE, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2017-01-18
[86] 2015-08-03 (PCT/FR2015/052141)
[87] (WO2016/020614)
[30] FR (1457610) 2014-08-05

[11] **2,956,027**
[13] C

[51] **Int.Cl. H01B 11/10 (2006.01) H01B 11/04 (2006.01)**
[25] EN
[54] **IMPROVED HIGH PERFORMANCE DATA COMMUNICATIONS CABLE**
[54] **CÂBLE AMÉLIORÉ À HAUTES PERFORMANCES POUR COMMUNICATIONS DE DONNÉES**
[72] WEHRLI, ANDREW JOHN, US
[72] CLARK, WILLIAM THOMAS, US
[72] GAREIS, GALEN MARK, US
[72] BRENNEKE, DOUGLAS DAVID, US
[73] BELDEN INC., US
[86] (2956027)
[87] (2956027)
[22] 2014-10-21
[62] 2,928,372
[30] US (61/894,728) 2013-10-23

[11] **2,956,631**
[13] C

[51] **Int.Cl. G06Q 50/30 (2012.01)**
[25] EN
[54] **ARRANGING A TRANSPORT SERVICE FOR MULTIPLE USERS**
[54] **AGENCEMENT D'UN SERVICE DE TRANSPORT POUR DE MULTIPLES UTILISATEURS**
[72] HAYAMA, HIROKI, US
[72] NOVAK, KEVIN, US
[72] HESTER, JONATHAN, US
[73] UBER TECHNOLOGIES, INC., US
[85] 2017-01-27
[86] 2015-07-30 (PCT/US2015/043001)
[87] (WO2016/019189)
[30] US (61/999,622) 2014-07-30
[30] US (14/814,338) 2015-07-30

[11] **2,957,360**
[13] C

[51] **Int.Cl. A62C 31/22 (2006.01) A62C 11/00 (2006.01)**
[25] EN
[54] **SMOKE ELIMINATOR DEVICE**
[54] **DISPOSITIF D'ÉLIMINATION DE FUMÉE**
[72] O'DONNELL, KEVIN, US
[73] HYDROVENT LLC, US
[85] 2017-02-06
[86] 2014-10-28 (PCT/US2014/062572)
[87] (WO2016/036395)
[30] US (14/477,008) 2014-09-04

[11] **2,958,569**
[13] C

[51] **Int.Cl. C02F 3/20 (2006.01) C02F 7/00 (2006.01)**
[25] EN
[54] **DIFFUSED AERATION SYSTEMS AND METHODS FOR CLEANING FOULED DIFFUSERS IN AERATION SYSTEMS**
[54] **SYSTÈMES D'AÉRATION DIFFUSÉE ET PROCÉDES DE NETTOYAGE DE DIFFUSEURS CONTAMINÉS DANS DES SYSTÈMES D'AÉRATION**
[72] KRALL, JOSEPH G., US
[72] HATCH, SCOTT, US
[72] JONES, JESSE, US
[73] XYLEM WATER SOLUTIONS U.S.A., INC., US
[85] 2017-02-17
[86] 2015-08-18 (PCT/US2015/045616)
[87] (WO2016/028729)
[30] US (62/038,643) 2014-08-18

[11] **2,959,189**
[13] C

[51] **Int.Cl. A61M 25/10 (2013.01) A61K 9/00 (2006.01) A61M 5/172 (2006.01) A61M 25/14 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **HYDRODYNAMIC DELIVERY OF FLUIDS TO KIDNEY TISSUE**
[54] **DISTRIBUTION HYDRODYNAMIQUE DE LIQUIDES VERS LES TISSUS RENAUX**
[72] BACALLAO, ROBERT, US
[73] INDIANA UNIVERSITY RESEARCH & TECHNOLOGY CORPORATION, US
[85] 2017-02-23
[86] 2014-09-02 (PCT/US2014/053681)
[87] (WO2015/031883)
[30] US (61/872,230) 2013-08-30

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[11] **2,959,309**
[13] C

[51] **Int.Cl. G06T 19/00 (2011.01) G06T 13/20 (2011.01)**
[25] EN
[54] **METHOD, APPARATUS AND COMPUTER-READABLE MEDIUM FOR GENERATING RENDERING INSTRUCTIONS**
[54] **PROCEDE, APPAREIL ET SUPPORT INFORMATIQUE POUR GENERER DES INSTRUCTIONS DE RENDU**
[72] NAKAJO, TETSUYA, JP
[72] TODATE, MASAYUKI, JP
[73] LIVE2D INC., JP
[85] 2017-02-24
[86] 2015-08-31 (PCT/JP2015/074565)
[87] (WO2016/035724)
[30] JP (2014-181551) 2014-09-05

[11] **2,959,584**
[13] C

[51] **Int.Cl. G01N 21/77 (2006.01)**
[25] EN
[54] **OXOANION CONCENTRATION DETERMINATION USING ALUMINUM REAGENTS**
[54] **DETERMINATION DE LA CONCENTRATION EN OXOANION A L'AIDE DE REACTIFS D'ALUMINIUM**
[72] ERGANG, NICHOLAS S., US
[72] DAVIS, RONALD V., US
[73] ECOLAB USA INC., US
[85] 2017-02-28
[86] 2014-09-05 (PCT/US2014/054390)
[87] (WO2016/036389)

[11] **2,960,421**
[13] C

[51] **Int.Cl. B60C 23/00 (2006.01)**
[25] EN
[54] **VALVE ARRANGEMENT FOR A ROTATIONALLY FIXED TRANSITION, WHEEL UNIT WITH A ROTATIONALLY FIXED TRANSITION, AND PRESSURE MEDIUM SUPPLY DEVICE FOR A WHEEL UNIT**
[54] **ENSEMBLE VALVE POUR ELEMENT DE TRANSITION ROTATION-FIXATION, UNITE ROUE COMPRENANT UN TEL ELEMENT DE TRANSITION ROTATION-FIXATION, ET DISPOSITIF D'ALIMENTATION EN PRESSION POUR UN E UNITE ROUE**
[72] GROSSE-VEHNE, KLEMENS, DE
[72] TSIBERIDIS, KONSTANTIN, DE
[72] TSIBERIDOU, JULIA, DE
[73] GV ENGINEERING GMBH, DE
[85] 2017-03-07
[86] 2015-03-11 (PCT/EP2015/055101)
[87] (WO2015/136005)
[30] DE (10 2014 103 218.7) 2014-03-11
[30] DE (10 2014 117 458.5) 2014-11-27

[11] **2,960,595**
[13] C

[51] **Int.Cl. C25B 13/00 (2006.01) C25B 13/08 (2006.01)**
[25] EN
[54] **IONIC POLYMER MEMBRANE FOR A CARBON DIOXIDE ELECTROLYZER**
[54] **MEMBRANE POLYMERE IONIQUE POUR UN ELECTROLYSEUR DE DIOXYDE DE CARBONE**
[72] MATTHEWS, TYLER S., US
[72] HAMROCK, STEVEN J., US
[72] KAPLUN, MARINA M., US
[72] LEWINSKI, KRZYSZTOF A., US
[72] LUOPA, SEAN M., US
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2017-03-08
[86] 2015-08-27 (PCT/US2015/047198)
[87] (WO2016/039999)
[30] US (62/047,108) 2014-09-08

[11] **2,960,677**
[13] C

[51] **Int.Cl. G01N 1/28 (2006.01) A01G 2/00 (2018.01) B02C 4/28 (2006.01) B65B 9/00 (2006.01) B65G 37/00 (2006.01)**
[25] EN
[54] **CANOLA SEED SAMPLE CRUSHER**
[54] **BROYEUR D'ECHANTILLON DE SEMENCE DE CANOLA**
[72] DEVLOO, GERARD, CA
[73] DEVLOO, GERARD, CA
[86] (2960677)
[87] (2960677)
[22] 2017-03-14
[30] US (62/329,000) 2016-04-28

[11] **2,960,746**
[13] C

[51] **Int.Cl. H04N 21/258 (2011.01) H04N 21/25 (2011.01) H04N 21/45 (2011.01)**
[25] EN
[54] **TELEVISION AUDIENCE MEASUREMENT METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE MESURE D'AUDIENCE DE TELEVISION**
[72] MULLER, SEAN, US
[72] HAPPELL, SCOTT, US
[72] GODLEY, EWAN, US
[73] ISPOT. TV, INC., US
[85] 2017-03-08
[86] 2015-02-13 (PCT/US2015/015821)
[87] (WO2016/043802)
[30] US (14/489,359) 2014-09-17

[11] **2,960,803**
[13] C

[51] **Int.Cl. G05D 1/02 (2020.01) A63G 25/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING THE TRANSPORTATION OF VEHICLES**
[54] **SYSTEMES ET PROCEDES POUR COMMANDER LE TRANSPORT DE VEHICULES**
[72] KAWASH, SAMEER, US
[72] KIDDOO, MICHAEL R., US
[72] PARR, ERIC, US
[73] UNIVERSAL CITY STUDIOS LLC, US
[85] 2017-03-09
[86] 2015-08-26 (PCT/US2015/047018)
[87] (WO2016/039989)
[30] US (14/482,975) 2014-09-10

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[11] **2,961,303**

[13] C

[51] **Int.Cl. H04H 60/73 (2009.01) H04H 60/32 (2009.01) H04H 60/48 (2009.01) H04H 60/63 (2009.01) H04N 21/237 (2011.01) H04N 21/478 (2011.01)**

[25] EN

[54] **SYSTEMS AND METHODS TO IDENTIFY INTENTIONALLY PLACED PRODUCTS**

[54] **SYSTEMES ET PROCEDES D'IDENTIFICATION DE PRODUITS INTEGRES DE MANIERE INTENTIONNELLE**

[72] HARKNESS, DAVID H., US

[72] RAMASWAMY, ARUN, US

[73] THE NIELSEN COMPANY (US), LLC, US

[86] (2961303)

[87] (2961303)

[22] 2008-03-14

[62] 2,687,691

[30] US (60/896,389) 2007-03-22

[11] **2,963,400**

[13] C

[51] **Int.Cl. G01F 1/76 (2006.01) G01F 1/84 (2006.01) G01N 9/00 (2006.01)**

[25] EN

[54] **APPARATUS FOR APPLYING A VARIABLE ZERO ALGORITHM IN A VIBRATING FLOWMETER AND RELATED METHOD**

[54] **APPAREIL POUR APPLIQUER UN ALGORITHME DE ZERO VARIABLE DANS UN DEBITMETRE VIBRANT ET PROCEDE ASSOCIE**

[72] PATTEN, ANDREW TIMOTHY, US
[72] PANKRATZ, ANTHONY WILLIAM, US

[72] STANDIFORD, DEAN M., US

[72] PRUYSEN, AART R., NL

[73] MICRO MOTION, INC., US

[85] 2017-03-31

[86] 2015-09-10 (PCT/US2015/049312)

[87] (WO2016/064488)

[30] US (62/066,679) 2014-10-21

[11] **2,964,281**

[13] C

[51] **Int.Cl. B01J 23/96 (2006.01) C22B 3/06 (2006.01) C22B 3/44 (2006.01) C22B 7/00 (2006.01) C22B 11/00 (2006.01)**

[25] EN

[54] **METHOD FOR REMOVING NOBLE METAL FROM NOBLE-METAL-CONTAINING SHAPED CATALYST BODIES**

[54] **PROCEDE D'ELIMINATION DE METAL NOBLE DE CORPS CATALYTIQUES MOULES A TENEUR EN METAUX NOBLES**

[72] ROEHLICH, CHRISTOPH, DE

[72] THIEL, VASCO, DE

[72] FUCHS ALAMEDA, STEFANIE, DE

[72] SCHAPP, JAN, DE

[72] VOSS, STEFFEN, DE

[73] HERAEUS DEUTSCHLAND GMBH & CO. KG, DE

[85] 2017-04-11

[86] 2015-10-12 (PCT/EP2015/073542)

[87] (WO2016/074872)

[30] EP (14192464.7) 2014-11-10

[11] **2,965,955**

[13] C

[51] **Int.Cl. B23D 47/00 (2006.01) B28D 1/04 (2006.01) C25C 3/12 (2006.01)**

[25] EN

[54] **METHOD AND ARRANGEMENT FOR PROCESSING CARBON BODIES**

[54] **PROCEDE ET AGENCEMENT POUR TRAITER DES CORPS DE CARBONE**

[72] SEEHUUS, HANS, NO

[73] NORSK HYDRO ASA, NO

[73] LYNNG DRILLING AS, NO

[85] 2017-04-26

[86] 2015-10-16 (PCT/NO2015/000025)

[87] (WO2016/068718)

[30] NO (20141289) 2014-10-29

[11] **2,967,289**

[13] C

[51] **Int.Cl. A46B 9/04 (2006.01) A46B 9/02 (2006.01) A46B 9/06 (2006.01) A46B 15/00 (2006.01)**

[25] EN

[54] **ORAL CARE IMPLEMENT**

[54] **INSTRUMENT DE SOIN BUCCAL**

[72] JIMENEZ, EDUARDO J., US

[72] WAGUESPACK, KENNETH, US

[72] MOSKOVICH, ROBERT, US

[72] KIRCHHOFER, ROGER, CH

[72] BIERI, KURT, CH

[73] COLGATE-PALMOLIVE COMPANY, US

[85] 2017-05-10

[86] 2014-12-23 (PCT/US2014/072075)

[87] (WO2016/105374)

[11] **2,967,401**

[13] C

[51] **Int.Cl. A61L 27/52 (2006.01) A61K 8/65 (2006.01) A61K 8/73 (2006.01) A61Q 19/08 (2006.01)**

[25] EN

[54] **HYALURONIC ACID-COLLAGEN MATRICES FOR DERMAL FILLING AND VOLUMIZING APPLICATIONS**

[54] **COMPOSITIONS ET PROCEDES COMPRENANT UN ANTICORPS MONOCLONAL RECOMBINANT QUI PROMeut LA REMYELINISATION DU SYSTEME NERVEUX CENTRAL**

[72] YU, XIAOJIE, US

[72] MANESIS, NICHOLAS J., US

[72] POLLOCK, JACOB F., US

[73] ALLERGAN, INC., US

[86] (2967401)

[87] (2967401)

[22] 2012-11-02

[62] 2,854,570

[30] US (61/555,970) 2011-11-04

[30] US (13/603,213) 2012-09-04

[30] US (13/605,565) 2012-09-06

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[11] **2,968,266**
[13] C

[51] **Int.Cl. D01F 9/22 (2006.01) D01F 9/32 (2006.01)**
[25] EN
[54] **CONTINUOUS CARBONIZATION PROCESS AND SYSTEM FOR PRODUCING CARBON FIBERS**
[54] **PROCEDE DE CARBONISATION CONTINUE ET SYSTEME DE PRODUCTION DE FIBRES DE CARBONE**
[72] DESHPANDE, GIRISH VISHNUKANT, US
[72] MEECE, BARRY DEWAYNE, US
[72] FENNEL, ROBERT PHIL, US
[73] CYTEC INDUSTRIES INC., US
[85] 2017-05-17
[86] 2015-11-23 (PCT/US2015/062091)
[87] (WO2016/089645)
[30] US (62/087,900) 2014-12-05

[11] **2,970,368**
[13] C

[51] **Int.Cl. C02F 11/04 (2006.01) C05F 7/00 (2006.01) C12M 1/00 (2006.01) C12M 1/02 (2006.01) C12M 1/36 (2006.01) C12P 5/02 (2006.01)**
[25] EN
[54] **APPARATUS FOR THE FUNCTIONING OF A FLOATING METHANIZATION SYSTEM**
[54] **APPAREILLAGES DESTINES AU FONCTIONNEMENT D'UN SYSTEME DE METHANISATION FLOTTANT**
[72] NADON, GILLES, CA
[73] NADON, GILLES, CA
[86] (2970368)
[87] (2970368)
[22] 2017-06-13

[11] **2,970,634**
[13] C

[51] **Int.Cl. A46B 5/02 (2006.01)**
[25] EN
[54] **ORAL CARE IMPLEMENT HAVING MULTI-COMPONENT HANDLE**
[54] **USTENSILE POUR L'HYGIENE BUCCO-DENTAIRE COMPORTANT UN MANCHE A ELEMENTS MULTIPLES**
[72] JIMENEZ, EDUARDO J., US
[72] WAGUESPACK, KENNETH, US
[72] MOSKOVICH, ROBERT, US
[72] KIRCHHOFFER, ROGER, CH
[72] BIERI, KURT, CH
[72] STORZ, JOACHIM, AT
[72] WECHSLER, ANDREAS, AT
[73] COLGATE-PALMOLIVE COMPANY, US
[85] 2017-06-12
[86] 2014-12-23 (PCT/US2014/072062)
[87] (WO2016/105367)

[11] **2,971,909**
[13] C

[51] **Int.Cl. A61K 33/42 (2006.01) A61K 8/24 (2006.01) A61P 1/02 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **ANTI-CALCULUS DENTAL COMPOSITION AND METHODS FOR USING SAME**
[54] **COMPOSITION DENTAIRE ANTI-TARTRE ET SON PROCEDE D'UTILISATION**
[72] ANDERSON, DOUGLAS, US
[73] GLOBAL TONIC LLC (D/B/A THE PERIOGEN COMPANY), US
[86] (2971909)
[87] (2971909)
[22] 2007-12-17
[62] 2,673,202
[30] US (11/644,618) 2006-12-22

[11] **2,973,184**
[13] C

[51] **Int.Cl. B32B 38/00 (2006.01) B32B 27/18 (2006.01) B32B 27/32 (2006.01)**
[25] EN
[54] **MDO MULTILAYER FILM**
[54] **FILM MULTICOUCHE MDO**
[72] BORSE, NITIN, CA
[72] AUBEE, NORMAN, CA
[73] NOVA CHEMICALS CORPORATION, CA
[85] 2017-05-30
[86] 2015-12-10 (PCT/IB2015/059527)
[87] (WO2016/097951)
[30] US (62/092,551) 2014-12-16

[11] **2,973,407**
[13] C

[51] **Int.Cl. E21B 10/46 (2006.01) C22C 29/02 (2006.01) E21B 10/48 (2006.01)**
[25] EN
[54] **DRILLING TOOLS HAVING MATRICES WITH CARBIDE-FORMING ALLOYS, AND METHODS OF MAKING AND USING SAME**
[54] **OUTILS DE FORAGE COMPORTANT DES MATRICES AVEC ALLIAGES DE FORMATION DE CARBURE, ET PROCEDES DE FABRICATION ET D'UTILISATION ASSOCIES**
[72] PEARCE, CODY A., US
[72] RUPP, MICHAEL D., US
[72] LAMBERT, CHRISTIAN M., US
[73] LONGYEAR TM, INC., US
[85] 2017-07-07
[86] 2016-01-12 (PCT/US2016/012967)
[87] (WO2016/115079)
[30] US (62/102,221) 2015-01-12
[30] US (62/102,240) 2015-01-12
[30] US (62/115,930) 2015-02-13

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[11] **2,974,226**
[13] C

[51] **Int.Cl. B65B 1/22 (2006.01) B65B 1/26 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR FILLING AN OPEN CONTAINER**
[54] **DISPOSITIF ET PROCEDE POUR REMPLIR UN EMBALLAGE OUVERT**
[72] WEHLING, MARK, DE
[72] SCHUTTE, VOLKER, DE
[72] VAN BERGEREM, JOSEF, DE
[73] HAVER & BOECKER OHG, DE
[85] 2017-07-19
[86] 2016-01-19 (PCT/EP2016/050982)
[87] (WO2016/116427)
[30] DE (10 2015 100 779.7) 2015-01-20

[11] **2,974,890**
[13] C

[51] **Int.Cl. A47J 31/44 (2006.01) A47J 31/40 (2006.01) A47J 31/52 (2006.01)**
[25] EN
[54] **MACHINE FOR PREPARING A BEVERAGE WITH REPEATABLE CHARACTERISTICS**
[54] **MACHINE DE PREPARATION D'UNE BOISSON AVEC DES CARACTERISTIQUES REPRODUCTIBLES**
[72] BIANCHI, ROBERTO, IT
[72] GUGLIELMINO, SCOTT, IT
[72] GATTI, RICCARDO, IT
[73] LA MARZOCCO S.R.L., IT
[85] 2017-07-25
[86] 2015-03-16 (PCT/IB2015/051903)
[87] (WO2016/147026)

[11] **2,976,275**
[13] C

[51] **Int.Cl. B61H 7/12 (2006.01)**
[25] EN
[54] **RETRACTING RAIL CLAMP**
[54] **DISPOSITIF D'ANCRAGE SUR RAIL RETRACTABLE**
[72] BERLIANT, IGOR, CA
[72] MURDOCH, ALLAN ROY, CA
[73] PORTAL CRANE PARTS LTD., CA
[85] 2017-08-10
[86] 2016-02-11 (PCT/CA2016/000035)
[87] (WO2016/127246)
[30] US (62/115,020) 2015-02-11

[11] **2,977,559**
[13] C

[51] **Int.Cl. C07D 493/22 (2006.01) A61K 31/343 (2006.01) A61K 31/365 (2006.01) A61K 31/585 (2006.01) A61P 35/00 (2006.01) C07D 303/00 (2006.01) C07D 307/00 (2006.01)**
[25] EN
[54] **C14-HYDROXYL ESTERIFIED AMINO ACID DERIVATIVE OF TRIPTOLIDE, AND PREPARATION METHOD AND USE THEREOF**
[54] **DERIVE DE TRIPTOLIDE PAR ACIDE AMINE MODIFIE PAR ESTER DE C14-HYDROXYLE ET METHODE DE PREPARATION ET D'UTILISATION CONNEXE**
[72] XU, RONGZHEN, CN
[73] HANGZHOU WEBEN PHARMACEUTICALS INC, CN
[85] 2017-08-23
[86] 2015-10-29 (PCT/CN2015/093161)
[87] (WO2017/070878)

[11] **2,977,718**
[13] C

[51] **Int.Cl. H04H 20/95 (2009.01) H04H 60/25 (2009.01) H04N 21/6332 (2011.01) H04N 21/84 (2011.01)**
[25] EN
[54] **SERVICE SIGNALING EXTENSIONS**
[54] **EXTENSIONS DE SIGNALISATION DE SERVICE**
[72] DESHPANDE, SACHIN G., US
[73] SHARP KABUSHIKI KAISHA, JP
[85] 2017-08-23
[86] 2016-03-31 (PCT/JP2016/001874)
[87] (WO2016/174824)
[30] US (62/153,484) 2015-04-27

[11] **2,978,088**
[13] C

[51] **Int.Cl. A61N 2/00 (2006.01) A61N 5/06 (2006.01)**
[25] EN
[54] **ELECTRICAL BODY STIMULATOR CUSHION DEVICE, A MEDICAL OR THERAPEUTIC DEVICE COMPRISING SAME**
[54] **DISPOSITIF DE COUSSIN POUR STIMULATEUR ELECTRIQUE DU CORPS, DISPOSITIF MEDICAL OU THERAPEUTIQUE COMPRENANT CELUI-CI**
[72] NUSSE, ROBERT, NL
[73] BIESBROUCK, LOUIS, NL
[73] NUSSE, ROBERT, NL
[85] 2017-08-28
[86] 2016-02-24 (PCT/NL2016/050131)
[87] (WO2016/137319)
[30] NL (2014356) 2015-02-26

[11] **2,978,108**
[13] C

[51] **Int.Cl. F42D 1/05 (2006.01) F42D 3/06 (2006.01)**
[25] EN
[54] **DETONATOR INFORMATION SYSTEM**
[54] **SYSTEME D'INFORMATION DE DETONATEUR**
[72] LIEBENBERG, ABRAHAM JOHANNES, ZA
[72] KRUGER, MICHEL JACOBUS, ZA
[72] WHYTE, ALDAINE, ZA
[73] DETNET SOUTH AFRICA (PTY) LTD, ZA
[85] 2017-08-28
[86] 2016-05-04 (PCT/ZA2016/050014)
[87] (WO2016/183600)
[30] ZA (2015/03271) 2015-05-12

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[11] **2,978,158**
[13] C

[51] **Int.Cl. C07D 277/82 (2006.01) A61K 31/428 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01)**

[25] EN

[54] **RILUZOLE PRODRUGS AND THEIR USE**

[54] **PROMEDICAMENTS DE RILUZOLE ET LEUR UTILISATION**

[72] WROBEL, JAY EDWARD, US

[72] REITZ, ALLEN B., US

[72] PELLETIER, JEFFERY CLAUDE, US

[72] SMITH, GARRY ROBERT, US

[72] BIAN, HAIYAN, US

[73] BIOHAVEN THERAPEUTICS LTD., US

[85] 2017-08-28

[86] 2016-02-26 (PCT/US2016/019787)

[87] (WO2016/140879)

[30] US (62/127,684) 2015-03-03

[11] **2,978,401**
[13] C

[51] **Int.Cl. A61L 31/00 (2006.01)**

[25] EN

[54] **ANTI-ADHESION MATERIAL AND SUBSTITUTE BIOMEMBRANE USING DECELLULARIZED TISSUE**

[54] **MATERIAU ANTI-ADHERENCE ET MEMBRANE BIOLOGIQUE ARTIFICIELLE COMPRENANT CHACUN UN TISSU DECELLULARISE**

[72] SAGA, HIDEKI, JP

[72] UCHIDA, TAKANORI, JP

[72] TOKOROZAKI, SHOKO, JP

[72] HIWATARI, KEN-ICHIRO, JP

[72] OBARA, HARUKI, JP

[72] KISHIDA, AKIO, JP

[72] KIMURA, TSUYOSHI, JP

[72] NEGISHI, JUN, JP

[72] HIGAMI, TETSUYA, JP

[72] FUNAMOTO, SEIICHI, JP

[73] ADEKA CORPORATION, JP

[73] NATIONAL UNIVERSITY CORPORATION TOKYO MEDICAL AND DENTAL UNIVERSITY, JP

[73] SAPPORO MEDICAL UNIVERSITY, JP

[73] KM BIOLOGICS CO., LTD., JP

[85] 2017-08-31

[86] 2016-03-07 (PCT/JP2016/057014)

[87] (WO2016/143746)

[30] JP (2015-049922) 2015-03-12

[11] **2,978,689**
[13] C

[51] **Int.Cl. H02M 3/155 (2006.01) H01M 8/04 (2016.01)**

[25] EN

[54] **ELECTRIC POWER ADJUSTMENT SYSTEM AND CONTROL METHOD FOR ELECTRIC POWER ADJUSTMENT SYSTEM**

[54] **SYSTEME D'AJUSTEMENT DE PUISSANCE ET SON PROCEDE DE COMMANDE**

[72] MATSUMOTO, MICHIIHIKO, JP

[72] YOSHIDA, HIDEO, JP

[72] AOKI, TETSUYA, JP

[73] NISSAN MOTOR CO., LTD., JP

[85] 2017-09-05

[86] 2015-03-06 (PCT/JP2015/056730)

[87] (WO2016/143012)

[11] **2,980,590**
[13] C

[51] **Int.Cl. H04L 9/16 (2006.01) G06F 21/62 (2013.01) H04L 9/08 (2006.01)**

[25] EN

[54] **KEY EXPORT TECHNIQUES**

[54] **PROCEDES D'EXPORTATION DE CLE**

[72] CAMPAGNA, MATTHEW JOHN, US

[72] ROTH, GREGORY BRANCHEK, US

[73] AMAZON TECHNOLOGIES, INC., US

[85] 2017-09-21

[86] 2016-03-25 (PCT/US2016/024302)

[87] (WO2016/160597)

[30] US (14/675,614) 2015-03-31

[11] **2,980,731**
[13] C

[51] **Int.Cl. B01F 27/192 (2022.01) B01F 23/53 (2022.01) B01F 27/1111 (2022.01) B01F 27/113 (2022.01)**

[25] EN

[54] **BLENDER FOR MIXING AND PUMPING SOLIDS AND FLUIDS AND METHOD OF USE THEREOF**

[54] **MELANGEUR POUR MELANGER ET POMPER DES SOLIDES ET DES FLUIDES ET SON PROCEDE D'UTILISATION**

[72] CHONG, JONATHAN WUN SHIUNG, US

[73] SCHLUMBERGER CANADA LIMITED, CA

[85] 2017-09-22

[86] 2016-03-17 (PCT/US2016/022733)

[87] (WO2016/153883)

[30] US (14/668,032) 2015-03-25

[11] **2,981,340**
[13] C

[51] **Int.Cl. A61B 17/90 (2006.01) A61B 17/15 (2006.01) A61B 17/17 (2006.01) A61F 2/46 (2006.01)**

[25] EN

[54] **PATIENT-SPECIFIC SURGICAL DEVICES, SYSTEMS, AND METHODS**

[54] **DISPOSITIFS, SYSTEMES ET METHODES CHIRURGICAUX ADAPTES AU PATIENT**

[72] STEMNISKI, PAUL M., US

[72] REYNOLDS, DAVID G., US

[73] WRIGHT MEDICAL TECHNOLOGY, INC., US

[86] (2981340)

[87] (2981340)

[22] 2015-03-13

[62] 2,896,958

[11] **2,981,716**
[13] C

[51] **Int.Cl. C07K 19/00 (2006.01) C12N 5/07 (2010.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01) C07K 14/00 (2006.01)**

[25] EN

[54] **POLYPEPTIDE-BASED SHUTTLE AGENTS FOR IMPROVING THE TRANSDUCTION EFFICIENCY OF POLYPEPTIDE CARGOS TO THE CYTOSOL OF TARGET EUKARYOTIC CELLS, USES THEREOF, METHODS AND KITS RELATING TO SAME**

[54] **AGENTS NAVETTES A BASE DE POLYPEPTIDES POUR L'AMELIORATION DE L'EFFICACITE DE LA TRANSDUCTION DE CARGOS POLYPEPTIDIQUES DANS LE CYTOSOL DE CELLULES EUCARYOTES CIBLES, LEURS UTILISATIONS, PROCEDES ET TROUSSES LES CONCERNANT**

[72] GUAY, DAVID, CA

[72] DELGUIDICE, THOMAS, CA

[72] LEPETIT-STOFFAES, JEAN-PASCAL, CA

[73] FELDAN BIO INC., CA

[85] 2017-10-04

[86] 2016-04-08 (PCT/CA2016/050403)

[87] (WO2016/161516)

[30] US (62/145,760) 2015-04-10

[30] US (62/246,892) 2015-10-27

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[11] **2,981,967**
[13] C

[51] **Int.Cl. B29C 49/48 (2006.01) B29C 45/78 (2006.01) B29C 49/06 (2006.01) B29C 49/12 (2006.01)**

[25] EN

[54] **INJECTION MOLD FOR INJECTION STRETCH BLOW MOLDING MACHINE, METHOD FOR MOLDING PREFORM, PREFORM, AND METHOD FOR MOLDING CONTAINER**

[54] **MOULE A INJECTION POUR UNE MACHINE DE MOULAGE A INJECTION PAR SOUFFLAGE BI-ORIENTE, METHODE POUR MOULER UNE PREFORME, PREFORME ET METHODE POUR MOULER UN CONTENANT**

[72] AOKI, SHIGETO, JP

[73] A.K. TECHNICAL LABORATORY, INC., JP

[85] 2017-10-05

[86] 2016-06-13 (PCT/JP2016/002855)

[87] (WO2017/098673)

[30] JP (2015-242217) 2015-12-11

[30] JP (2016-105539) 2016-05-26

[11] **2,982,470**
[13] C

[51] **Int.Cl. F16K 1/44 (2006.01) F16K 1/20 (2006.01) F16K 15/03 (2006.01) F16K 17/04 (2006.01)**

[25] EN

[54] **VALVES INCLUDING MULTIPLE SEATS AND RELATED ASSEMBLIES AND METHODS**

[54] **SOUPAPES COMPORTANT PLUSIEURS SIEGES, ET ASSEMBLAGES ET METHODES ASSOCIEES**

[72] RAIN, MARK, US

[73] FLOWSERVE MANAGEMENT COMPANY, US

[86] (2982470)

[87] (2982470)

[22] 2017-10-16

[30] US (15/332,922) 2016-10-24

[11] **2,983,496**
[13] C

[51] **Int.Cl. A47B 13/08 (2006.01) A47B 23/00 (2006.01) A47G 23/06 (2006.01) B61D 37/00 (2006.01) B64D 11/00 (2006.01)**

[25] EN

[54] **TRAY TABLE TRAYS**

[54] **PLATEAUX DESTINES A UNE TABLETTE**

[72] KAJAK, PAWEL, PL

[73] THE BOEING COMPANY, US

[86] (2983496)

[87] (2983496)

[22] 2017-10-24

[30] US (15/408601) 2017-01-18

[11] **2,983,801**
[13] C

[51] **Int.Cl. G05D 23/19 (2006.01) G06K 19/07 (2006.01) G01K 7/02 (2021.01)**

[25] EN

[54] **TEMPERATURE CONTROLLER**

[54] **REGULATEUR DE TEMPERATURE**

[72] NEWTON, MARK, GB

[73] LMK THERMOSAFE LIMITED, GB

[85] 2017-10-24

[86] 2016-05-27 (PCT/GB2016/051540)

[87] (WO2017/001815)

[30] GB (1511455.6) 2015-06-30

[11] **2,984,541**
[13] C

[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/073 (2010.01) C12N 5/0735 (2010.01) A61K 35/39 (2015.01) A61P 3/10 (2006.01) A61P 5/50 (2006.01)**

[25] EN

[54] **DIFFERENTIATION OF HUMAN EMBRYONIC STEM CELLS**

[54] **DIFFERENTIATION DE CELLULES SOUCHES EMBRYONNAIRES HUMAINES**

[72] REZANIA, ALIREZA, US

[72] XU, JEAN, US

[73] JANSSEN BIOTECH, INC., US

[86] (2984541)

[87] (2984541)

[22] 2007-04-27

[62] 2,650,812

[30] US (60/745,899) 2006-04-28

[11] **2,985,573**
[13] C

[51] **Int.Cl. E21B 7/00 (2006.01)**

[25] EN

[54] **RAM ACCELERATOR SYSTEM WITH ENDCAP**

[54] **SYSTEME D'ACCELERATEUR A PRESSION DYNAMIQUE A CAPUCHON D'EXTREMITE**

[72] RUSSELL, MARK C., US

[73] HYPERSCIENCES, INC., US

[85] 2017-11-09

[86] 2015-05-12 (PCT/US2015/030320)

[87] (WO2015/175498)

[30] US (61/992,830) 2014-05-13

[30] US (14/708,932) 2015-05-11

[11] **2,985,865**
[13] C

[51] **Int.Cl. F42D 1/00 (2006.01) F42D 1/05 (2006.01) F42D 1/06 (2006.01)**

[25] EN

[54] **DETONATOR CONTROL SYSTEM**

[54] **SYSTEME DE COMMANDE DE DETONATEUR**

[72] LIEBENBERG, ABRAHAM JOHANNES, ZA

[72] KRUGER, MICHEL JACOBUS, ZA

[72] WHYTE, ALDAINE, ZA

[73] DETNET SOUTH AFRICA (PTY) LTD, ZA

[85] 2017-11-10

[86] 2016-05-04 (PCT/ZA2016/050015)

[87] (WO2016/183601)

[30] ZA (2015/03270) 2015-05-12

[11] **2,986,438**
[13] C

[51] **Int.Cl. E21B 19/00 (2006.01) E21B 17/00 (2006.01) E21B 19/24 (2006.01) E21B 23/00 (2006.01) E21B 28/00 (2006.01) E21B 34/06 (2006.01) E21B 43/11 (2006.01)**

[25] EN

[54] **ADVANCEMENT OF A TUBULAR STRING INTO A WELLBORE**

[54] **AVANCEMENT D'UNE RAME DE FORAGE TUBULAIRE DANS UN PUIT DE FORAGE**

[72] FERGUSON, ANDREW M., US

[72] WATSON, BROCK W., US

[72] SCHULTZ, ROGER L., US

[73] THRU TUBING SOLUTIONS, INC., US

[85] 2017-11-17

[86] 2016-05-19 (PCT/US2016/033269)

[87] (WO2016/187420)

[30] US (62/164,786) 2015-05-21

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[11] **2,989,426**
[13] C

[51] **Int.Cl. H02J 9/00 (2006.01) F24C 1/04 (2021.01) F24C 7/00 (2006.01) H01G 9/00 (2006.01) H02J 4/00 (2006.01) H02J 15/00 (2006.01) H02M 7/04 (2006.01)**

[25] EN

[54] **A HIGH-WATTAGE POWER APPLIANCE SYSTEM**

[54] **SYSTEME D'APPAREIL D'ALIMENTATION DE FORT COURANT**

[72] DE LUCA, NICHOLAS P., US

[72] PERKINS, ANDREW, US

[73] DE LUCA OVEN TECHNOLOGIES, LLC, US

[85] 2017-12-13

[86] 2016-06-16 (PCT/US2016/037939)

[87] (WO2016/205569)

[30] US (62/180,597) 2015-06-16

[30] US (62/218,577) 2015-09-15

[11] **2,989,773**
[13] C

[51] **Int.Cl. B61K 9/08 (2006.01) B61K 9/10 (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., US

[86] (2989773)

[87] (2989773)

[22] 2017-12-21

[11] **2,990,929**
[13] C

[51] **Int.Cl. A61K 47/68 (2017.01) A61K 31/337 (2006.01) A61K 31/416 (2006.01) A61K 31/513 (2006.01) A61K 31/517 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **COMBINATIONS OF AN ANTI-HER2 ANTIBODY-DRUG CONJUGATE AND CHEMOTHERAPEUTIC AGENTS, AND METHODS OF USE**

[54] **COMBINAISONS DE CONJUGUES ANTICORPS ANTI-HER2-MEDICAMENT ET D'AGENTS CHIMIOOTHERAPIQUES, ET PROCEDES D'UTILISATION**

[72] BERRY, LEANNE, US

[72] PHILLIPS, GAIL LEWIS, US

[72] SLIWKOWSKI, MARK X., US

[73] GENENTECH, INC., US

[86] (2990929)

[87] (2990929)

[22] 2009-03-10

[62] 2,716,592

[30] US (61/037,410) 2008-03-18

[11] **2,991,636**
[13] C

[51] **Int.Cl. B25J 11/00 (2006.01) A61F 2/50 (2006.01) A61H 3/00 (2006.01) B25J 9/00 (2006.01) B25J 9/16 (2006.01) B25J 17/00 (2006.01)**

[25] EN

[54] **VARIABLE FORCE EXOSKELETON HIP JOINT ARTICULATION DE HANCHE D'EXOSQUELETTE A FORCE VARIABLE**

[72] BARNES, GAVIN A., US

[73] LOCKHEED MARTIN CORPORATION, US

[85] 2018-01-05

[86] 2016-07-15 (PCT/US2016/042427)

[87] (WO2017/015088)

[30] US (14/801,941) 2015-07-17

[11] **2,992,236**
[13] C

[51] **Int.Cl. B32B 3/06 (2006.01) B32B 7/12 (2006.01)**

[25] EN

[54] **SIDING PANEL AND ASSEMBLY**

[54] **PANNEAU DE REVETEMENT ET ASSEMBLAGE**

[72] CULPEPPER, PATRICK M., US

[72] BEACH, RYAN, US

[73] PROGRESSIVE FOAM TECHNOLOGIES, INC., US

[86] (2992236)

[87] (2992236)

[22] 2018-01-18

[30] US (62/529,110) 2017-07-06

[30] US (62/447,548) 2017-01-18

[11] **2,992,347**
[13] C

[51] **Int.Cl. A01H 1/04 (2006.01) A01H 6/46 (2018.01) C12Q 1/6895 (2018.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01)**

[25] EN

[54] **TRANSGENIC MAIZE EVENT MON 87427 AND THE RELATIVE DEVELOPMENT SCALE**

[54] **EVENEMENT MON 87427 DE MAIS TRANSGENIQUE ET L'ECHELLE DE DEVELOPPEMENT RELATIVE**

[72] FENG, PAUL C. C., US

[72] FONSECA, AGUSTIN E., US

[72] GARNAAT, CARL W., US

[72] HEREDIA, OSCAR, US

[72] HUANG, JINTAI, US

[72] KELLY, REBECCA A., US

[72] QI, YOULIN, US

[72] STOECKER, MARTIN A., US

[73] MONSANTO TECHNOLOGY LLC, US

[86] (2992347)

[87] (2992347)

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[54] **FUSED RING PYRIMIDINE COMPOUND, INTERMEDIATE, AND PREPARATION METHOD, COMPOSITION AND USE THEREOF**

[54] **COMPOSE PYRIMIDINE A CYCLES CONDENSES, INTERMEDIAIRE, ET PROCEDE DE PREPARATION, COMPOSITION ET UTILISATION ASSOCIEE**

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[72] ZHANG, NONG, CN
[72] WANG, TINGHAN, CN
[72] SUN, QINGRUI, CN
[72] WANG, YUGUANG, CN
[73] GUANGZHOU MAXINOVEL PHARMACEUTICALS CO., LTD., CN

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[54] **THREAD REPAIR TOOLS AND METHODS OF MAKING AND USING THE SAME**

[54] **OUTILS DE REPARATION DE FILETAGE ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**

[72] LEWIS, DAVID M., US
[72] LEWIS, TERRY A., US
[72] LEWIS, TRAVIS R., US
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[54] **PHOTONIC CHIP HAVING A MONOLITHICALLY INTEGRATED REFLECTOR UNIT AND METHOD OF MANUFACTURING A REFLECTOR UNIT**

[54] **PUCE PHOTONIQUE COMPORTANT UNE UNITE DE REFLECTEUR INTEGREE MONOLITHIQUEMENT ET PROCEDE DE FABRICATION D'UNE UNITE DE REFLECTEUR**

[72] PAQUET, ALEX, CA
[72] BARIBEAU, FRANCOIS, CA
[73] INSTITUT NATIONAL D'OPTIQUE, CA

[86] (2995292)
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[54] **KIT FOR DETERMINING AN ANALYTE CONCENTRATION**

[54] **KIT DE DETERMINATION DE CONCENTRATION D'ANALYTE**

[72] FREY, STEPHAN-MICHAEL, DE
[72] KUBE, OLIVER, DE
[72] HECK, WOLFGANG, DE
[72] WALTER, HELMUT, DE
[73] F. HOFFMANN-LA ROCHE AG, CH

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[54] **METHOD FOR THE PRODUCTION OF MULTIPLY-UNSATURATED FATTY ACIDS IN TRANSGENIC ORGANISMS**

[54] **METHODE DE PRODUCTION D'ACIDES GRAS MULTIPLIS INSATURES DANS UN ORGANISME TRANSGENIQUE**

[72] ZANK, THORSTEN, DE
[72] BAUER, JORG, DE
[72] CIRPUS, PETRA, DE
[72] ABBADI, AMINE, DE
[72] HEINZ, ERNST, DE
[72] QIU, XIAO, CA
[72] VRINTEN, PATRICIA, CA
[72] SPERLING, PETRA, DE
[72] DOMERGUE, FREDERIC, DE
[72] MEYER, ASTRID, DE
[72] KIRSCH, JELENA, DE
[73] BASF PLANT SCIENCE GMBH, DE

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[54] **ANGULARLY ADJUSTED SPRAY NOZZLE**

[54] **BUSE A JET AJUSTE DE MANIERE ANGULAIRE**

[72] DUONG, HA V., US
[72] MICHAEL, VICKY A., US
[72] NIES, JUERGEN, US
[72] HOYLE, MARK, US
[73] MELNOR, INC., US

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[54] **ENSEMBLE SUPPORT**
[72] NIELSEN, RASMUS ELMELUND, DK
[73] KVERNELAND GROUP
KERTEMINDE AS, DK
[85] 2018-03-19
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[25] EN
[54] **SYSTEMS AND METHODS OF IMPLEMENTING REMOTE BOUNDARY SCAN FEATURES**
[54] **SYSTEMES ET PROCEDES POUR METTRE EN OEUVRE A DISTANCE DES ELEMENTS DE REGISTRE A DECALAGE PERIPHERIQUE**
[72] LA FEVER, GEORGE B., US
[72] YELLIN, CARMY, US
[72] FLAUM, ISER B., US
[72] MUSE, DAVID R., US
[73] ELECTRONIC WARFARE ASSOCIATES, INC., US
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[54] **CAPTEUR SOLAIRE A CONVERSION THERMIQUE**
[72] PERKINS, JASON DEAN, AU
[73] TRAC GROUP HOLDINGS LTD, AU
[85] 2018-04-06
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[25] EN
[54] **APPARATUS AND METHOD FOR TRANSMITTING AND RECEIVING DATA IN COMMUNICATION SYSTEM**
[54] **APPAREIL ET PROCEDE D'EMISSION ET DE RECEPTION DE DONNEES DANS UN SYSTEME DE COMMUNICATION**
[72] JEONG, HONG-SIL, KR
[72] YUN, SUNG-RYUL, KR
[72] YANG, HYUN-KOO, KR
[72] MYUNG, SE-HO, KR
[72] MOURAD, ALAIN, GB
[72] GUTIERREZ, ISMAEL, GB
[73] SAMSUNG ELECTRONICS CO., LTD., KR
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[25] EN
[54] **SYNTHESIS AND CHARACTERIZATION OF LITHIUM NICKEL MANGANESE COBALT PHOSPHOROUS OXIDE**
[54] **SYNTHESE ET CARACTERISATION D'OXYDE DE LITHIUM-NICKEL-MANGANESE-COBALT PHOSPHORE**
[72] CHANG, CHUN-CHIEH, US
[72] CHANG, TSUN YU, CN
[73] CHANGS ASCENDING ENTERPRISE CO., LTD., CN
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[87] (3002650)
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[54] **AUTOMATIC FILL SYSTEM**
[54] **SYSTEME DE REMPLISSAGE AUTOMATIQUE**
[72] QUANG, CHRISTOPHER, US
[72] SILVA, MARK, US
[73] ADELWIGGINS GROUP, A DIVISION OF TRANSDIGM, INC., US
[85] 2018-04-26
[86] 2016-09-21 (PCT/US2016/052964)
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[54] **SOLVENT RESISTANT PRINTABLE SUBSTRATES AND THEIR METHODS OF MANUFACTURE AND USE**
[54] **SUBSTRATS IMPRIMABLES RESISTANTS AU SOLVANT ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] RUECKERT, CHERYL BOYD, US
[72] JACOBSON, AARON, US
[72] BUNCH, ABDU Y., US
[72] VERVACKE, STEVEN L., US
[73] NEENAH, INC., US
[85] 2018-04-27
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[54] **SELF-ADJUSTMENT RESTRICTOR**
[54] **DISPOSITIF DE RESTRICTION A AJUSTEMENT AUTOMATIQUE**
[72] FERRARO, DAVID, US
[72] CARPINELLA, RALPH, US
[73] CARPIN MANUFACTURING, INC., US
[86] (3004647)
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[54] **DYNAMIC TIME WINDOW AND BUFFER MECHANISM IN HETEROGENEOUS NETWORK TRANSMISSION**
[54] **MECANISME A FENETRE TEMPORELLE ET TAMPON DYNAMIQUES EN EMISSION DE RESEAUX HETEROGENES**
[72] XU, YILING, CN
[72] ZHANG, WENJUN, CN
[72] WANG, CHENGZHI, CN
[72] SUN, JUN, CN
[72] GUAN, YUNFENG, CN
[72] HE, DAZHI, CN
[72] LIU, NING, CN
[73] SHANGHAI JIAO TONG UNIVERSITY, CN
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[25] EN
[54] **SOLID ORAL PHARMACEUTICAL COMPOSITIONS FOR ISOXAZOLINE COMPOUNDS**
[54] **COMPOSITIONS PHARMACEUTIQUES ORALES SOLIDES POUR DES COMPOSES D'ISOXAZOLINE**
[72] RAU, HARALD, DE
[72] KINDERMANN, SUSANNE, DE
[72] LESSMANN, TORBEN, DE
[72] RASMUSSEN, GRETHE NORSKOV, DK
[72] HERSEL, ULRICH, DE
[72] WEGGE, THOMAS, DE
[72] SPROGOE, KENNETT, US
[73] ASCENDIS PHARMA ENDOCRINOLOGY DIVISION A/S, DK
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[25] EN
[54] **ASSAY MODULES HAVING ASSAY REAGENTS AND METHODS OF MAKING AND USING SAME**
[54] **MODULES D'ESSAIS A REACTIFS D'ESSAIS ET LEURS PROCEDES DE PREPARATION ET D'EMPLOI**
[72] GLEZER, ELI N., US
[72] DEBAD, JEFF D., US
[72] JEFFREY-COKER, BANDELE, US
[72] KUMAR, SUDEEP M., US
[72] SIGAL, GEORGE, US
[72] SPIELES, GISBERT, US
[72] TSIONKSY, MICHAEL, US
[72] WARNOCK, MICHAEL, US
[73] MESO SCALE TECHNOLOGIES, LLC, US
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[30] CA (2,634,522) 2006-12-21

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[54] **GRAVITY DESANDING APPARATUS WITH FILTER POLISHER**
[54] **APPAREIL DE DESSABLAGE PAR GRAVITE DOTE D'UNE POLISSEUSE A FILTRE**
[72] HEMSTOCK, CHRISTOPHER A., CA
[73] SPECIALIZED DESANDERS INC., CA
[86] (3006558)
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[13] C

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[54] **FLUID END ASSEMBLY OF A RECIPROCATING PUMP**

[54] **ENSEMBLE EXTREMITE DE FLUIDE D'UNE POMPE ALTERNATIVE**

[72] SALIH, NABEEL, CA

[72] NAGEL, CAREY PHILIP, CA

[72] CHEN, JIE, CA

[72] RIOU, MICHEL ANTHONY, CA

[73] A.H.M.S., INC., CA

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[54] **ELECTRICAL SYSTEMS AND METHODS FOR ISLANDING TRANSITIONS**

[54] **SYSTEMES ELECTRIQUES ET PROCEDES POUR PERMETTANT LE PASSAGE EN MODE ILOTE**

[72] PORTER, DAVID GLENN, US

[73] S&C ELECTRIC COMPANY, US

[85] 2018-06-07

[86] 2016-12-16 (PCT/US2016/067215)

[87] (WO2017/106670)

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[54] **ELECTRICAL SYSTEMS AND RELATED FREQUENCY REGULATION METHODS**

[54] **SYSTEMES ELECTRIQUES ET PROCEDES DE REGULATION DE FREQUENCE ASSOCIES**

[72] PORTER, DAVID GLENN, US

[73] S&C ELECTRIC COMPANY, US

[85] 2018-06-07

[86] 2016-12-16 (PCT/US2016/067283)

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[30] US (15/381,816) 2016-12-16

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[13] C

[51] **Int.Cl. H04L 9/30 (2006.01)**

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[54] **SECURE TRANSMISSION OF LOCAL PRIVATE ENCODING DATA**

[54] **TRANSMISSION SECURISEE DE DONNEES DE CODAGE PRIVEES LOCALES**

[72] HOGEMANN, THOMAS, DE

[72] HAUSEN, DORIS, DE

[72] SCHMIDBERGER, FRANK, DE

[73] VIRTUAL SOLUTION AG, DK

[85] 2018-06-18

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[54] **METHOD FOR THE IN-OVO SEX IDENTIFICATION OF CHICKS**

[54] **PROCEDE DE SEXAGE IN OVO DE POUSSINS**

[72] EINSPIANIER, ALMUTH, DE

[73] OVONDO GMBH, DE

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[54] **SURGICAL ACCESS SYSTEM**

[54] **SYSTEME D'ACCES CHIRURGICAL**

[72] DOUGHERTY, BRIAN C., US

[72] KASSAN, AMIN, US

[72] LAMAR, CHAD, US

[72] MARK, JOSEPH L., US

[73] NICO INCORPORATION, US

[86] (3010024)

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[13] C

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[25] EN

[54] **CELLULOSE COMPOSITION CONTAINING CELLULOSE AND PAPERMAKING POLYMERS FOR PAPER DRY STRENGTH APPLICATION**

[54] **COMPOSITION DE CELLULOSE CONTENANT DE LA CELLULOSE ET POLYMERES DE FABRICATION DU PAPIER POUR APPLICATION DE RESISTANCE A SEC DE PAPIER**

[72] GU, QU-MING, US

[72] SUTMAN, FRANK J., US

[73] SOLENIS TECHNOLOGIES CAYMAN, L.P., CH

[86] (3011572)

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[54] **NASAL CANNULA WITH REINFORCING FEATURE**

[54] **CANULE NASALE ET MECANISME DE RENFORCEMENT**

[72] HOBSON, NICHOLAS ALEXANDER, NZ

[72] KORNER, STEVEN CHARLES, NZ

[72] WHITE, CRAIG KARL, NZ

[72] BEURDEN, JASON VAN, NZ

[73] FISHER & PAYKEL HEALTHCARE LIMITED, NZ

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[25] EN

[54] **DYNAMIC MOTOR DRIVE FOR BATTERY OPERATED DEVICES**
[54] **ENTRAÎNEMENT PAR MOTEUR DYNAMIQUE POUR DISPOSITIFS ALIMENTÉS PAR BATTERIE**

[72] LOVEGREN, ERIC RUSSELL, US

[72] NELSON, RICHARD LOUIS, US

[73] ROSEMOUNT INC., US

[85] 2018-08-02

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[87] (WO2017/142824)

[30] US (62/295,699) 2016-02-16

[30] US (15/198,054) 2016-06-30

[11] **3,015,844**

[13] C

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[54] **WHEELCHAIR FRAME**
[54] **CHASSIS DE FAUTEUIL ROULANT**

[72] ARCHAMBAULT, MICHAEL, CA

[72] BLEAU, ALEXANDRE, CA

[72] COUTURE, PIERRE-ANDRE, CA

[72] LAMARRE, MAXIME, CA

[72] GINGRAS, DAVID, CA

[73] MOTION COMPOSITES INC, CA

[85] 2018-08-27

[86] 2017-03-01 (PCT/CA2017/050275)

[87] (WO2017/147704)

[30] US (62/301,939) 2016-03-01

[30] US (62/310,036) 2016-03-18

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[13] C

[51] **Int.Cl. E21B 28/00 (2006.01) E21B 7/24 (2006.01) E21B 43/00 (2006.01) E21B 43/26 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR PERFORATION OF A DOWNHOLE FORMATION**
[54] **DISPOSITIF ET PROCÉDE DE PERFORATION D'UNE FORMATION DE FOND DE TROU**

[72] ENG, HANS PETTER, NO

[73] QWAVE AS, NO

[85] 2018-08-29

[86] 2017-03-15 (PCT/NO2017/050064)

[87] (WO2017/160158)

[30] NO (20160465) 2016-03-18

[11] **3,016,568**

[13] C

[51] **Int.Cl. H02J 7/02 (2016.01) G07F 17/32 (2006.01) H04B 5/00 (2006.01)**

[25] EN

[54] **GAMING DEVICE**
[54] **APPAREIL DE JEU DE DIVERTISSEMENT**

[72] KASEL, DENNIS, DE

[73] NOVOMATIC AG, AT

[85] 2018-08-30

[86] 2017-03-01 (PCT/EP2017/054825)

[87] (WO2017/149041)

[30] DE (DE 10 2016 103 602.1) 2016-03-01

[11] **3,019,295**

[13] C

[51] **Int.Cl. A61M 39/08 (2006.01) A61B 17/34 (2006.01) A61M 1/36 (2006.01) A61M 25/01 (2006.01) A61M 25/02 (2006.01) A61M 25/06 (2006.01)**

[25] EN

[54] **APPARATUS FOR MODIFYING A SHEATH**
[54] **APPAREIL DE MODIFICATION D'UNE GAINÉ**

[72] GORDON, GREGORY, US

[73] THE BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA, US

[86] (3019295)

[87] (3019295)

[22] 2010-12-15

[62] 2,818,960

[30] US (61/286,408) 2009-12-15

[11] **3,020,353**

[13] C

[51] **Int.Cl. F41A 3/72 (2006.01)**

[25] EN

[54] **A FIREARM**
[54] **ARME A FEU**

[72] SIMEK, VLADIMIR, CZ

[73] CESKA ZBROJOVKA A.S., CZ

[85] 2018-10-09

[86] 2017-04-20 (PCT/CZ2017/000027)

[87] (WO2017/186195)

[30] CZ (PV 2016-237) 2016-04-25

[11] **3,020,858**

[13] C

[51] **Int.Cl. H02K 41/02 (2006.01) H02K 1/12 (2006.01) H02K 15/02 (2006.01) H02K 33/12 (2006.01)**

[25] EN

[54] **LAMINATED LINEAR MOTOR STATOR CORE**

[54] **NOYAU STATORIQUE FEUILLETE DE MOTEUR LINEAIRE**

[72] CARDAMONE, DAVID P., US

[72] DEIRMENGIAN, CARL R., US

[72] WILLIAMS, BRIAN J., US

[73] MOOG INC., US

[86] (3020858)

[87] (3020858)

[22] 2013-03-13

[62] 2,903,191

[11] **3,020,927**

[13] C

[51] **Int.Cl. H01R 39/58 (2006.01) H02K 11/20 (2016.01) H01R 39/38 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR MONITORING THE STATUS OF ONE OR MORE COMPONENTS OF AN ELECTRICAL MACHINE**

[54] **SYSTEME ET PROCÉDE POUR SURVEILLER L'ÉTAT D'UN OU PLUSIEURS COMPOSANTS D'UNE MACHINE ELECTRIQUE**

[72] CUTSFORTH, ROBERT S., US

[73] CUTSFORTH, INC., US

[86] (3020927)

[87] (3020927)

[22] 2014-03-10

[62] 2,906,455

[30] US (13/802,969) 2013-03-14

**Canadian Patents Issued
April 12, 2022**

[11] **3,020,942**
[13] C

[51] **Int.Cl. E06B 3/964 (2006.01) E06B 3/02 (2006.01) E06B 3/88 (2006.01)**

[25] EN

[54] **INCLINED PATCH FITTING COVER**

[54] **COUVERCLE DE RACCORDEMENT DE PIECE INCLINE**

[72] MURRAY, KYLE R., US

[72] THOMPSON, DOUGLAS, US

[73] ASSA ABLOY ACCESSORIES AND DOOR CONTROLS GROUP, INC., US

[86] (3020942)

[87] (3020942)

[22] 2018-10-16

[30] US (62/621717) 2018-01-25

[30] US (16/141097) 2018-09-25

[11] **3,021,575**
[13] C

[51] **Int.Cl. C12N 15/29 (2006.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A23D 9/00 (2006.01) C07K 14/415 (2006.01) C11B 1/10 (2006.01) C12N 5/10 (2006.01) C12N 15/52 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **ISOLATED POLYNUCLEOTIDES AND POLYPEPTIDES AND METHODS OF USING SAME FOR INCREASING PLANT YIELD, BIOMASS, GROWTH RATE, VIGOR, OIL CONTENT, ABIOTIC STRESS TOLERANCE OF PLANTS AND NITROGEN USE EFFICIENCY**

[54] **POLYNUCLEOTIDES ET POLYPEPTIDES ISOLES ET LEURS PROCEDES D'UTILISATION POUR AUGMENTER LE RENDEMENT VEGETAL, LA BIOMASSE, LA VITESSE DE CROISSANCE, LA VIGUEUR, LA TENEUR EN HUILE, LA TOLERANCE AU STRESS ABIOTIQUE DES PLANTES ET L'EFFICACITE D'UTILISATION DE L'AZOTE**

[72] EMMANUEL, EYAL, IL

[72] DIBER, ALEX, IL

[72] GOLD, EVGENIA, IL

[72] NEVO, INBAR, IL

[72] VINOUCUR, BASIA J., IL

[72] AYAL, SHARON, IL

[72] RONEN, GIL, IL

[72] HERSCHKOVITZ, YOAV, IL

[72] GANG, MICHAEL, IL

[72] DIMET, DOTAN, IL

[72] IDAN, ANAT, IL

[73] EVOGENE LTD., IL

[86] (3021575)

[87] (3021575)

[22] 2009-05-21

[62] 2,724,545

[30] US (61/071,885) 2008-05-22

[30] US (61/129,296) 2008-06-17

[11] **3,021,693**
[13] C

[51] **Int.Cl. H05B 45/00 (2022.01) F21K 9/23 (2016.01) F21K 9/65 (2016.01) H05B 45/10 (2020.01) H05B 45/20 (2020.01) H05B 47/105 (2020.01)**

[25] EN

[54] **LIGHT EMITTING DIODE (LED) LIGHTING DEVICE OR LAMP WITH CONFIGURABLE LIGHT QUALITIES**

[54] **LAMPE OU DISPOSITIF D'ECLAIRAGE A DIODE ELECTROLUMINESCENTE AYANT DES QUALITES D'ECLAIRAGE CONFIGURABLES**

[72] HALLIWELL, BRIAN, US

[73] FEIT ELECTRIC COMPANY, INC., US

[86] (3021693)

[87] (3021693)

[22] 2018-10-22

[30] US (16/001,260) 2018-06-06

[11] **3,023,531**
[13] C

[51] **Int.Cl. G09B 23/32 (2006.01)**

[25] EN

[54] **HUMAN ANATOMIC MODELS FOR USE IN SURGICAL SIMULATION HAVING SYNTHETIC TISSUE PLANES**

[54] **MODELES ANATOMIQUES A UTILISER DANS LA SIMULATION CHIRURGICALE AYANT DES PLANS DE TISSUS SYNTHETIQUES**

[72] TURK, WILLIAM, CA

[72] PETROPOLIS, CHRISTIAN, CA

[73] TURK, WILLIAM, CA

[73] PETROPOLIS, CHRISTIAN, CA

[86] (3023531)

[87] (3023531)

[22] 2018-11-08

[30] US (62627853) 2018-02-08

**Brevets canadiens délivrés
12 avril 2022**

[11] **3,024,116**

[13] C

[51] **Int.Cl. F16H 57/04 (2010.01) F16H 57/027 (2012.01) F16H 57/039 (2012.01) A01G 25/09 (2006.01) F15B 1/26 (2006.01)**

[25] EN

[54] **GEARBOX WITH INTERNAL DIAPHRAGM**

[54] **BOITE DE VITESSES DOTEE DE DIAPHRAGME INTERNE**

[72] CALL, RAYMOND LEE II, US

[72] SMITH, WILLIAM F. (DECEASED), US

[73] UNIVERSAL MOTION COMPONENTS CO., INC., US

[85] 2018-11-13

[86] 2017-05-19 (PCT/US2017/033645)

[87] (WO2017/205219)

[30] US (62/340,420) 2016-05-23

[11] **3,024,819**

[13] C

[51] **Int.Cl. H04N 5/272 (2006.01) H04N 5/351 (2011.01) H04N 9/75 (2006.01)**

[25] EN

[54] **METHOD FOR DIFFERENTIATING BETWEEN BACKGROUND AND FOREGROUND OF SCENERY AND ALSO METHOD FOR REPLACING A BACKGROUND IN IMAGES OF A SCENERY**

[54] **METHODE DE DIFFERENTIATION ENTRE L'ARRIERE-PLAN ET L'AVANT-PLAN D'UN PAYSAGE ET EGALEMENT METHODE DE REMPLACEMENT D'UN ARRIERE-PLAN EN IMAGES D'UN PAYSAGE**

[72] VONOLFEN, WOLFGANG, DE

[72] WOLLSIEFEN, RAINER, DE

[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE

[86] (3024819)

[87] (3024819)

[22] 2011-08-16

[62] 2,811,222

[30] DE (10 2010 046 025.7) 2010-09-20

[11] **3,025,202**

[13] C

[51] **Int.Cl. H02P 1/42 (2006.01) H02P 1/04 (2006.01) H02P 1/26 (2006.01)**

[25] EN

[54] **CONTROLLER AND METHOD FOR CONTROLLING A DRIVE MOTOR OF A PRODUCT CONVEYOR BELT AT A CHECKOUT**

[54] **COMMANDE ET PROCEDE DE COMMANDE D'UN MOTEUR D'ENTRAINEMENT D'UNE BANDE TRANSPORTEUSE D'ARTICLES AUPRES D'UNE CAISSE ENREGISTREUSE**

[72] SCHANG, DANIEL, DE

[73] INTERROLL HOLDING AG, CH

[85] 2018-11-22

[86] 2017-02-10 (PCT/EP2017/000186)

[87] (WO2017/211434)

[30] DE (10 2016 006 971.6) 2016-06-07

[11] **3,025,861**

[13] C

[51] **Int.Cl. B60D 1/06 (2006.01) B60D 1/01 (2006.01) B60D 1/28 (2006.01) B60D 1/46 (2006.01)**

[25] EN

[54] **GOOSENECK COUPLER WITH SLIDEABLE LOCKING MEMBERS AND CLINCH**

[54] **DISPOSITIF D'ATTELAGE A COL DE CYGNE AVEC ELEMENTS DE VERROUILLAGE COULISSANTS ET RIVET**

[72] DRAKE, FRANK, US

[72] RABSKA, KEVIN, US

[73] HORIZON GLOBAL AMERICAS, INC., US

[86] (3025861)

[87] (3025861)

[22] 2012-02-16

[62] 2,768,230

[30] US (61/444,878) 2011-02-21

[11] **3,026,636**

[13] C

[51] **Int.Cl. E21B 43/16 (2006.01) E21B 34/10 (2006.01) E21B 43/25 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR ENHANCED OIL RECOVERY**

[54] **SYSTEME ET PROCEDE POUR RECUPERATION AMELIOREE DE PETROLE**

[72] WHITSON, CURTIS HAYS, NO

[73] CHW AS, NO

[85] 2018-12-05

[86] 2016-12-07 (PCT/NO2016/050256)

[87] (WO2018/012980)

[30] NO (20161078) 2016-06-29

[11] **3,026,696**

[13] C

[51] **Int.Cl. A01K 5/01 (2006.01)**

[25] EN

[54] **ANIMAL FEEDING APPARATUS**

[54] **APPAREIL D'ALIMENTATION D'ANIMAUX**

[72] COMTOIS, MARK C., US

[73] PETSMART HOME OFFICE, INC., US

[86] (3026696)

[87] (3026696)

[22] 2018-12-06

[30] US (15/834,811) 2017-12-07

[11] **3,026,702**

[13] C

[51] **Int.Cl. E05B 17/20 (2006.01) E05B 15/10 (2006.01)**

[25] EN

[54] **HOOK BOLT FOR DOOR LOCK**

[54] **PENE EN CROCHET DESTINEE A UNE SERRURE DE PORTE**

[72] PALMIERI, ERIC, US

[72] GERACI, ANDREW S., US

[72] SANGSTER, RICHARD D., JR., US

[72] BOGDANOV, VICTOR, US

[72] RILEY, DANIEL W., US

[72] PIANTEK, RYAN, US

[73] SARGENT MANUFACTURING COMPANY, US

[86] (3026702)

[87] (3026702)

[22] 2018-12-06

[30] US (62/597088) 2017-12-11

[30] US (16/185386) 2018-11-09

**Canadian Patents Issued
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[11] **3,027,360**
[13] C

[51] **Int.Cl. B61L 27/10 (2022.01) G06Q 10/04 (2012.01) B61L 27/12 (2022.01) B61L 27/14 (2022.01) G06N 20/00 (2019.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR TRAIN ROUTE OPTIMIZATION INCLUDING MACHINE LEARNING SYSTEM**

[54] **SYSTEME ET PROCEDE DESTINES A L'OPTIMISATION D'ITINERAIRE DE TRAIN COMPRENANT UN SYSTEME AUTOMATIQUE**

[72] GOLM, MICHAEL, US

[72] KHAN, BADAR K., US

[72] SWIECZKOWSKI, MICHAEL, US

[73] SIEMENS MOBILITY, INC., US

[85] 2018-12-11

[86] 2017-06-13 (PCT/US2017/037114)

[87] (WO2017/218447)

[30] US (62/349,357) 2016-06-13

[11] **3,027,536**
[13] C

[51] **Int.Cl. F02F 7/00 (2006.01) F01M 1/02 (2006.01) F01P 5/10 (2006.01) F02B 67/04 (2006.01) F16C 3/14 (2006.01)**

[25] EN

[54] **ENGINE**

[54] **MOTEUR**

[72] OLTMANS, BRET ALLEN, US

[72] HITT, BRIAN J., US

[72] GALSWORTHY, DAVID ANDREW, US

[72] SLATER, CHAD MICHAEL, US

[72] NUGTEREN, DANIEL JOSEPH, US

[72] MCKOSKEY, GEORGE JAY, US

[72] NELSON, GORDON RAYMOND, US

[72] ANDERSON, BLAKE ANDREW, US

[73] POLARIS INDUSTRIES INC., US

[86] (3027536)

[87] (3027536)

[22] 2011-09-23

[62] 2,811,026

[30] US (61/385802) 2010-09-23

[11] **3,027,921**
[13] C

[51] **Int.Cl. G01S 7/40 (2006.01)**

[25] EN

[54] **INTEGRATED SENSOR CALIBRATION IN NATURAL SCENES**

[54] **ETALONNAGE DE CAPTEUR INTEGRE DANS LES SCENES NATURELLES**

[72] ZHU, XIAOLING, CN

[72] MA, TENG, CN

[73] BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD., CN

[85] 2018-12-18

[86] 2018-06-25 (PCT/CN2018/092649)

[87] (WO2020/000137)

[21] 7

[11] **3,029,973**
[13] C

[51] **Int.Cl. G06V 40/16 (2022.01) G06V 10/75 (2022.01) G06V 10/82 (2022.01) G06V 20/40 (2022.01)**

[25] EN

[54] **APPARATUS AND METHODS FOR FACIAL RECOGNITION AND VIDEO ANALYTICS TO IDENTIFY INDIVIDUALS IN CONTEXTUAL VIDEO STREAMS**

[54] **APPAREIL ET PROCEDES DE RECONNAISSANCE FACIALE ET ANALYSE VIDEO POUR IDENTIFIER DES INDIVIDUS DANS DES FLUX VIDEO CONTEXTUELS**

[72] JOSHPE, BRETT TERRY, US

[72] HUESTIS, E. MICHAEL, US

[72] SABITOV, RUSLAN, US

[72] BETSER, ALEXANDER, US

[72] RESNICK, ADAM, US

[73] 15 SECONDS OF FAME, INC., US

[85] 2019-01-04

[86] 2016-07-15 (PCT/US2016/042489)

[87] (WO2017/011745)

[30] US (62/192,854) 2015-07-15

[11] **3,030,700**
[13] C

[51] **Int.Cl. B25C 1/08 (2006.01) B25C 1/14 (2006.01) B25C 1/18 (2006.01)**

[25] EN

[54] **DRIVING TOOL**

[54] **OUTIL D'ENTRAINEMENT**

[72] WATANABE, EIICHI, JP

[72] KURITA, SHUHEI, JP

[72] YAMAMOTO, YU, JP

[72] YUKI, TAKASHI, JP

[72] KIMURA, MITSUHIRO, JP

[72] TAKAHASHI, YASUNORI, JP

[73] MAX CO., LTD., JP

[86] (3030700)

[87] (3030700)

[22] 2019-01-18

[30] JP (2018-007520) 2018-01-19

[30] JP (2018-007521) 2018-01-19

[30] JP (2018-007633) 2018-01-19

[30] JP (2018-022480) 2018-02-09

[30] JP (2018-022481) 2018-02-09

[30] JP (2018-022482) 2018-02-09

[30] JP (2018-026624) 2018-02-19

[11] **3,030,703**
[13] C

[51] **Int.Cl. B25C 1/14 (2006.01) B25C 1/08 (2006.01) B25C 1/18 (2006.01)**

[25] EN

[54] **DRIVING TOOL**

[54] **OUTIL D'ENTRAINEMENT**

[72] WATANABE, EIICHI, JP

[72] YUKI, TAKASHI, JP

[72] YAMAMOTO, YU, JP

[72] KIMURA, MITSUHIRO, JP

[73] MAX CO., LTD., JP

[86] (3030703)

[87] (3030703)

[22] 2019-01-18

[30] JP (2018-007520) 2018-01-19

[30] JP (2018-007521) 2018-01-19

[30] JP (2018-007633) 2018-01-19

[30] JP (2018-022480) 2018-02-09

[30] JP (2018-022481) 2018-02-09

[30] JP (2018-022482) 2018-02-09

[30] JP (2018-026624) 2018-02-19

[30] JP (2018-084498) 2018-04-25

[30] JP (2018-084499) 2018-04-25

[30] JP (2018-084500) 2018-04-25

[30] JP (2018-084501) 2018-04-25

**Brevets canadiens délivrés
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[11] **3,030,826**
[13] C

[51] **Int.Cl. G01C 15/00 (2006.01) G01C 21/10 (2006.01) G01C 21/16 (2006.01) G01P 15/00 (2006.01) G01P 15/097 (2006.01) G01P 15/16 (2013.01)**

[25] EN

[54] **MILEAGE AND SPEED ESTIMATION**

[54] **ESTIMATION DU KILOMETRAGE ET DE LA VITESSE**

[72] BRADLEY, WILLIAM FRANCIS, US
[72] GIROD, LEWIS DAVID, US
[72] BALAKRISHNAN, HARI, US
[72] PADOWSKI, GREG, US
[73] CAMBRIDGE MOBILE TELEMATICS, INC., US

[85] 2019-01-14
[86] 2017-07-14 (PCT/US2017/042053)
[87] (WO2018/013888)
[30] US (15/211,478) 2016-07-15

[11] **3,032,683**
[13] C

[51] **Int.Cl. C04B 35/117 (2006.01) B01J 8/06 (2006.01) C04B 28/00 (2006.01) C04B 35/63 (2006.01) C04B 35/80 (2006.01)**

[25] EN

[54] **MOULDED INSULATION BODIES**

[54] **CORPS D'ISOLATION MOULES**

[72] COSCIA, ANTONIO, DE
[72] SCHOLZ, HANS-WERNER, DE
[73] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR

[85] 2019-01-24
[86] 2017-07-03 (PCT/EP2017/025194)
[87] (WO2018/019430)
[30] EP (16400031.7) 2016-07-26

[11] **3,032,729**
[13] C

[51] **Int.Cl. C22B 26/12 (2006.01) C22B 3/12 (2006.01)**

[25] EN

[54] **CAUSTIC DIGESTION PROCESS**

[54] **PROCEDE DE DIGESTION CAUSTIQUE**

[72] CATOVIC, ENEJ, AU
[73] LITHIUM AUSTRALIA NL, AU

[85] 2019-02-01
[86] 2017-08-02 (PCT/AU2017/050808)
[87] (WO2018/023159)
[30] AU (2016903041) 2016-08-02

[11] **3,032,974**
[13] C

[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/142 (2006.01)**

[25] EN

[54] **WEARABLE AUTOMATIC INJECTION DEVICE FOR CONTROLLED DELIVERY OF THERAPEUTIC AGENTS**

[54] **DISPOSITIF D'INJECTION AUTOMATIQUE PORTABLE POUR L'ADMINISTRATION CONTROLEE D'AGENTS THERAPEUTIQUES**

[72] ANDERSON, PHILIP D., US
[72] JULIAN, JOSEPH F., US
[72] LAURUSONIS, LINAS P., US
[72] PARMER, TIMOTHY, US
[72] YOCH, TRAVIS, US
[72] JANG, SAMUEL M., US
[72] CORRIGAN, SEAN, US
[72] MATUSAITIS, TOMAS, US
[72] FIENUP, WILLIAM, US
[72] STRAHM, CHRIS, US
[73] ABBVIE BIOTECHNOLOGY LTD., BM

[86] (3032974)
[87] (3032974)
[22] 2011-04-21
[62] 2,796,186
[30] US (61/326,637) 2010-04-21

[11] **3,032,992**
[13] C

[51] **Int.Cl. C22B 3/06 (2006.01) C01B 17/20 (2006.01) C01G 3/12 (2006.01) C01G 11/02 (2006.01) C01G 53/11 (2006.01) C22B 3/20 (2006.01) C22B 3/26 (2006.01) C22B 15/00 (2006.01) C22B 17/00 (2006.01) C22B 23/00 (2006.01)**

[25] EN

[54] **PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING THIOCARBONYL FUNCTIONAL GROUPS**

[54] **PROCEDE DE LIXIVIATION DE SULFURES METALLIQUES AU MOYEN DE REACTIFS POSSEDANT DES GROUPES FONCTIONNELS THIOCARBONYLE**

[72] DIXON, DAVID, CA
[72] ASSELIN, EDOUARD, CA
[72] REN, ZIHE, CA
[72] MORA-HUERTAS, NELSON, CA
[73] THE UNIVERSITY OF BRITISH COLUMBIA, CA

[73] JETTI RESOURCES, LLC, US

[85] 2019-02-04
[86] 2017-10-19 (PCT/CA2017/051250)
[87] (WO2018/072029)
[30] US (62/410,331) 2016-10-19
[30] US (62/410,348) 2016-10-19
[30] US (62/410,351) 2016-10-19
[30] US (62/430,333) 2016-12-05

[11] **3,033,291**
[13] C

[51] **Int.Cl. B29B 15/10 (2006.01) B32B 7/02 (2019.01) C08K 7/06 (2006.01)**

[25] EN

[54] **DISCONTINUOUS-FIBER COMPOSITES AND METHODS OF MAKING THE SAME**

[54] **COMPOSITES DE FIBRES DISCONTINUES, ET PROCEDES POUR LEUR PRODUCTION**

[72] BRADY, ANDREW, US
[72] MANNHALTER, BERT D., US
[72] SALEM, DAVID R., US
[73] SOUTH DAKOTA BOARD OF REGENTS, US

[85] 2019-02-07
[86] 2016-08-11 (PCT/US2016/046536)
[87] (WO2017/027699)
[30] US (62/203,810) 2015-08-11

**Canadian Patents Issued
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[11] **3,033,961**
[13] C

[51] **Int.Cl. B60W 60/00 (2020.01) B60W 30/085 (2012.01) B60W 30/09 (2012.01) G01C 21/34 (2006.01)**

[25] EN
[54] **DRIVING CUES AND COACHING REPERES DE CONDUITE ET ACCOMPAGNEMENT**

[72] POLISSON, WILLIAM, US
[72] MADIGAN, REGINA, US
[72] GIBSON, TIMOTHY W., US
[72] KUMAR, SURENDER, US
[72] SLUSAR, MARK, US
[73] ALLSTATE INSURANCE COMPANY, US

[85] 2019-02-14
[86] 2017-08-16 (PCT/US2017/047175)
[87] (WO2018/035241)
[30] US (15/239,291) 2016-08-17

[11] **3,036,207**
[13] C

[51] **Int.Cl. A61B 5/15 (2006.01) G01N 27/26 (2006.01) G01N 27/447 (2006.01) G01N 33/561 (2006.01) G01N 33/72 (2006.01)**

[25] EN
[54] **DIAGNOSTICS SYSTEMS AND METHODS**

[54] **SYSTEMES ET PROCEDES DE DIAGNOSTIC**

[72] GALEN, PETER, US
[72] GURKAN, UMUT ATAKAN, US
[72] FRAIWAN, ARWA, US
[72] HASAN, MUHAMMAD NOMAN, US
[72] GRUPP, DANIEL E., US
[72] HOYT, JOSHUA KING, US
[72] THORNE, JAMES, US
[72] GRIMBERG, BRIAN T., US
[73] HEMEX HEALTH, INC., US

[85] 2019-03-07
[86] 2017-09-08 (PCT/US2017/050809)
[87] (WO2018/049253)
[30] US (62/385,146) 2016-09-08
[30] US (15/599,368) 2017-05-18

[11] **3,036,267**
[13] C

[51] **Int.Cl. F23N 5/00 (2006.01) F23N 1/04 (2006.01)**

[25] EN
[54] **DEVICE FOR CONTROLLING A FUEL-OXIDIZER MIXTURE FOR PREMIX GAS BURNERS**

[54] **DISPOSITIF DE CONTROLE D'UN MELANGE DE COMBURANT DESTINE AUX BRULEURS A GAZ PREMELANGE**

[72] BERTELLI, PIERLUIGI, IT
[73] BERTELLI & PARTNERS S.R.L., IT

[86] (3036267)
[87] (3036267)
[22] 2019-03-11
[30] IT (102018000003488) 2018-03-13

[11] **3,036,720**
[13] C

[51] **Int.Cl. A41D 13/00 (2006.01) A41D 1/02 (2006.01) A41D 3/00 (2006.01) A41D 27/00 (2006.01) A62B 35/00 (2006.01)**

[25] EN
[54] **OUTERWEAR GARMENT FOR USE WITH A FALL-ARREST HARNESS**

[54] **VETEMENT D'HABILLEMENT EXTERIEUR DESTINE A ETRE UTILISE AVEC UN HARNAIS ANTICHUTE**

[72] ZEPPELELLA, PETE, CA
[73] ZEPPELELLA, PETE, CA

[85] 2019-03-13
[86] 2016-09-13 (PCT/CA2016/051077)
[87] (WO2018/049501)

[11] **3,037,854**
[13] C

[51] **Int.Cl. G07F 17/32 (2006.01) G06Q 20/04 (2012.01)**

[25] EN
[54] **BILL VALIDATION AND CASH DISPENSING DEVICE, SYSTEM AND METHOD FOR USE IN A CASINO CONTEXT**

[54] **DISPOSITIF, SYSTEME ET PROCEDE DE VALIDATION DE BILLETS ET DE DISTRIBUTION D'ESPECES A UTILISER DANS UN CONTEXTE DE CASINO**

[72] KUBAJAK, DAVID, US
[72] NGUYEN, MIKE, US
[72] ADAMS, MARK, US
[73] JCM AMERICAN CORPORATION, US

[85] 2019-03-21
[86] 2017-04-07 (PCT/US2017/026717)
[87] (WO2018/057062)
[30] US (62/398,456) 2016-09-22

[11] **3,038,805**
[13] C

[51] **Int.Cl. G01N 33/00 (2006.01) B01D 46/42 (2006.01)**

[25] EN
[54] **GAS SENSOR MODULE WITH FIELD REPLACEABLE, INGRESS PROTECTED, SENSOR FILTER**

[54] **MODULE DE CAPTEUR DE GAZ COMPRENANT UN FILTRE DE CAPTEUR PROTEGE CONTRE TOUTE PENETRATION, REMPLACABLE SUR LE TERRAIN**

[72] MORRIS, MARK, US
[72] GINDELE, GREG, US
[72] CHHUOY, HUN, US
[73] ROSEMOUNT INC., US

[85] 2019-03-28
[86] 2017-09-14 (PCT/US2017/051443)
[87] (WO2018/063806)
[30] US (62/401,440) 2016-09-29
[30] US (15/449,359) 2017-03-03

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[11] **3,038,965**

[13] C

- [51] **Int.Cl. G01K 7/16 (2006.01) G01K 1/16 (2006.01)**
[25] EN
[54] **HEAT FLUX SENSOR**
[54] **CAPTEUR DE FLUX THERMIQUE**
[72] RUD, JASON, US
[72] KASSEN, ALLEN, US
[73] ROSEMOUNT INC., US
[85] 2019-03-29
[86] 2017-08-24 (PCT/US2017/048385)
[87] (WO2018/063609)
[30] US (15/282,760) 2016-09-30

[11] **3,039,495**

[13] C

- [51] **Int.Cl. H04W 4/00 (2018.01) H04W 4/02 (2018.01) H04W 48/00 (2009.01) H04W 48/02 (2009.01) H04W 48/04 (2009.01)**
[25] EN
[54] **MOBILE DEVICE COMMUNICATION ACCESS AND HANDS-FREE DEVICE ACTIVATION**
[54] **ACCES DE COMMUNICATION DE DISPOSITIF MOBILE ET ACTIVATION DE DISPOSITIF MAINS LIBRES**
[72] PANDURANGARAO, ANIL KUMAR, IN
[73] ALLSTATE SOLUTIONS PRIVATE LIMITED, IN
[85] 2019-04-04
[86] 2016-10-28 (PCT/IN2016/050370)
[87] (WO2018/065990)
[30] US (15/284,728) 2016-10-04

[11] **3,039,596**

[13] C

- [51] **Int.Cl. A61K 47/24 (2006.01) A61K 31/506 (2006.01)**
[25] EN
[54] **PROTECTIVE EFFECT OF DMPC, DMPG, DMPC/DMPG, LYSOPG AND LYSOPC AGAINST DRUGS THAT CAUSE CHANNELOPATHIES**
[54] **EFFET PROTECTEUR DE DMPC, DMPG, DMPC/DMPG, LYSOPG ET LYSOPC CONTRE DES MEDICAMENTS PROVOQUANT DES CANALOPATHIES**
[72] HELSON, LAWRENCE, US
[72] SHOPP, GEORGE M., US
[72] BOUCHARD, ANNIE, CA
[72] MAJEED, MUHAMMED, US
[73] SIGNPATH PHARMA, INC., US
[85] 2019-04-04
[86] 2017-10-19 (PCT/US2017/057446)
[87] (WO2018/075801)
[30] US (15/297,901) 2016-10-19

[11] **3,041,800**

[13] C

- [51] **Int.Cl. B60N 2/34 (2006.01) B60N 2/06 (2006.01)**
[25] EN
[54] **VEHICLE EXTENDABLE SEATS AND METHOD OF USE**
[54] **SIEGES DE VEHICULE EXTENSIBLES ET PROCEDE D'UTILISATION**
[72] SLATER, DAVID, US
[73] PREMIER PRODUCTS, INC., US
[86] (3041800)
[87] (3041800)
[22] 2019-04-29
[30] US (16/115,830) 2018-08-29

[11] **3,042,418**

[13] C

- [51] **Int.Cl. A61F 2/24 (2006.01) A61L 27/14 (2006.01) A61L 27/40 (2006.01)**
[25] EN
[54] **PROSTHETIC HEART VALVE WITH RETENTION ELEMENTS**
[54] **VALVULE CARDIAQUE PROTHETIQUE AYANT DES ELEMENTS DE RETENUE**
[72] BENNETT, NATHAN L., US
[73] W. L. GORE & ASSOCIATES, INC., US
[86] (3042418)
[87] (3042418)
[22] 2015-09-15
[62] 2,960,034
[30] US (62/050,628) 2014-09-15
[30] US (14/853,654) 2015-09-14

[11] **3,042,811**

[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., US
[86] (3042811)
[87] (3042811)
[22] 2014-12-16
[62] 2,928,750
[30] US (14/109,760) 2013-12-17

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[11] **3,042,814**
[13] C

[51] **Int.Cl. H04M 3/22 (2006.01)**
[25] EN
[54] **TOLL-FREE TELECOMMUNICATIONS AND DATA MANAGEMENT PLATFORM**

[54] **PLATEFORME DE GESTION DE TELECOMMUNICATIONS ET DE DONNEES SANS FRAIS**

[72] SHARMA, SRIRAM, US
[72] CARTER, WILLIAM, US
[72] BHAT, MANISHA, US
[72] CARTER, PAMELA J., US
[72] CHAUHAN, SANJEEV, US
[72] KARNAS, RYAN, US
[72] KIMMEL, MICHAEL, US
[72] WONG, SUK YEE, US
[72] STIFFLER, ALAN, US
[72] LAKHANI, DEWANG, US
[73] SOMOS, INC., US
[86] (3042814)
[87] (3042814)
[22] 2017-03-03
[62] 2,959,916
[30] US (62/410176) 2016-10-19

[11] **3,043,057**
[13] C

[51] **Int.Cl. H04S 3/00 (2006.01) H04S 5/00 (2006.01)**
[25] EN
[54] **GENERATING BINAURAL AUDIO IN RESPONSE TO MULTI-CHANNEL AUDIO USING AT LEAST ONE FEEDBACK DELAY NETWORK**

[54] **GENERATION DE FREQUENCE AUDIO BINAURALE EN REPOSE A UNE FREQUENCE AUDIO MULTICANAL AU MOYEN D'AU MOINS UN RESEAU A RETARD DE RETROACTION**

[72] YEN, KUANG-CHIEH, US
[72] BREEBAART, DIRK J., AU
[72] DAVIDSON, GRANT A., US
[72] WILSON, RHONDA, US
[72] COOPER, DAVID M., AU
[72] SHUANG, ZHIWEI, CN
[73] DOLBY LABORATORIES LICENSING CORPORATION, US
[86] (3043057)
[87] (3043057)
[22] 2014-12-18
[62] 2,935,339
[30] US (61/923579) 2014-01-03
[30] CN (201410178258.0) 2014-04-29
[30] US (61/988617) 2014-05-05

[11] **3,043,524**
[13] C

[51] **Int.Cl. B26B 21/56 (2006.01) A61B 10/02 (2006.01) A61B 17/3209 (2006.01) B26B 21/00 (2006.01)**
[25] EN
[54] **DOUBLE EDGED BLADE GRIP ASSEMBLY**

[54] **ENSEMBLE PREHENSION DE LAME A DOUBLE BORD**

[72] WONDERLEY, JEFFREY W., US
[73] ACCUTEC, INC., US
[85] 2019-05-09
[86] 2017-11-14 (PCT/US2017/061600)
[87] (WO2018/090033)
[30] US (62/421,908) 2016-11-14

[11] **3,044,114**
[13] C

[51] **Int.Cl. B65G 69/28 (2006.01) B60R 21/34 (2011.01) B65G 67/02 (2006.01) F16P 1/00 (2006.01) G01B 21/02 (2006.01) G08B 21/02 (2006.01) G08B 7/06 (2006.01)**
[25] EN
[54] **PEDESTRIAN-VEHICLE SAFETY SYSTEMS FOR LOADING DOCKS**

[54] **SYSTEMES DE SECURITE POUR PIETONS ET VEHICULES SUR DES QUAIS DE CHARGEMENT**

[72] HOCHSTEIN, ALLAN H., US
[72] BROOKS, ANDREW, US
[72] SENFLEBEN, JASON, US
[72] BOWMAN, KENNETH C., US
[72] SVEUM, MATTHEW, US
[72] BOERGER, JAMES C., US
[72] MANONE, JOSEPH, US
[72] MCNEILL, MATTHEW, US
[73] RITE-HITE HOLDING CORPORATION, US
[86] (3044114)
[87] (3044114)
[22] 2015-06-24
[62] 2,952,730
[30] US (14/317,824) 2014-06-27

[11] **3,044,120**
[13] C

[51] **Int.Cl. F16B 25/00 (2006.01) B21H 3/02 (2006.01) B21K 1/56 (2006.01) F16B 25/10 (2006.01)**
[25] EN
[54] **WOOD SCREW AND METHOD FOR PRODUCING A WOOD SCREW**

[54] **VIS A BOIS ET PROCEDE DE FABRICATION D'UNE VIS A BOIS**

[72] ROLL, PATRICK, DE
[72] GLATTBACH, JOACHIM, DE
[73] SWG SCHRAUBENWERK GAISBACH GMBH, DE
[85] 2019-05-16
[86] 2017-11-21 (PCT/EP2017/079903)
[87] (WO2018/091732)
[30] DE (10 2016 222 937.0) 2016-11-21

[11] **3,044,199**
[13] C

[51] **Int.Cl. B05D 1/38 (2006.01) B05D 3/02 (2006.01) B05D 5/06 (2006.01) B05D 7/24 (2006.01)**
[25] EN
[54] **METHOD FOR FORMING MULTILAYER COATING FILM**

[54] **PROCEDE DE FORMATION DE FILM DE REVETEMENT MULTICOUCHE**

[72] ITOH, MASAYUKI, JP
[72] OKAZAKI, HIROKAZU, JP
[72] ISAKA, HISASHI, JP
[73] KANSAI PAINT CO., LTD., JP
[85] 2019-05-16
[86] 2017-11-17 (PCT/JP2017/041464)
[87] (WO2018/092878)
[30] JP (2016-225115) 2016-11-18

[11] **3,044,286**
[13] C

[51] **Int.Cl. A47F 5/08 (2006.01)**
[25] EN
[54] **TRAY ACCESSORY AND TRAY WITH MOUNTING STRUCTURE**

[54] **ACCESSOIRE DE PATEAU ET PATEAU COMPORTANT UNE STRUCTURE D'INSTALLATION**

[72] WILLS, MATTHEW, US
[72] PADVOISKIS, JULIA, US
[73] RETAIL SPACE SOLUTIONS LLC, US
[86] (3044286)
[87] (3044286)
[22] 2019-05-24
[30] US (62/803,989) 2019-02-11
[30] US (62/676,759) 2018-05-25

Brevets canadiens délivrés
12 avril 2022

[11] **3,044,316**
[13] C

[51] **Int.Cl. B63B 21/54 (2006.01) B63B 21/04 (2006.01)**
[25] EN
[54] **DEPLOYABLE BOAT HOOK**
[54] **GAFFE DEPLOYABLE**
[72] MARTIN, ROY W., US
[73] MARTIN, ROY W., US
[86] (3044316)
[87] (3044316)
[22] 2019-05-27
[30] US (16/388,383) 2019-04-18

[11] **3,044,824**
[13] C

[51] **Int.Cl. A61B 17/068 (2006.01) A61B 17/064 (2006.01) A61B 17/072 (2006.01) A61B 17/115 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR DELIVERING SHAPE-MEMORY STAPLES**
[54] **DISPOSITIF ET PROCEDE DE DELIVRANCE D'AGRAFES A MEMOIRE DE FORME**
[72] CHERNOV-HARAEV, ARTEM NICOLAEVICH, RU
[72] SOUTORINE, MIKHAIL, AU
[73] ENDOGENE LIMITED, AU
[86] (3044824)
[87] (3044824)
[22] 2010-03-11
[62] 2,960,045
[30] US (61/162,462) 2009-03-23

[11] **3,045,078**
[13] C

[51] **Int.Cl. A61K 8/41 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **WRINKLE AMELIORATING AGENT**
[54] **AGENT D'ATTENUATION DES RIDES**
[72] MORI, YASUHITO, JP
[72] SAITOH, YUKO, JP
[72] SHONO, MICHIKO, JP
[73] POLA CHEMICAL INDUSTRIES, INC., JP
[85] 2019-05-27
[86] 2017-11-27 (PCT/JP2017/042338)
[87] (WO2018/097274)
[30] JP (2016-230134) 2016-11-28

[11] **3,046,364**
[13] C

[51] **Int.Cl. C22C 21/08 (2006.01) C22F 1/05 (2006.01)**
[25] EN
[54] **HIGH STRENGTH AND HIGHLY FORMABLE ALUMINUM ALLOYS RESISTANT TO NATURAL AGE HARDENING AND METHODS OF MAKING THE SAME**
[54] **ALLIAGES D'ALUMINIUM DE HAUTE RESISTANCE ET DE HAUTE APTITUDE AU FORMAGE RESISTANCE AU DURCISSEMENT PAR VIEILLISSEMENT NATUREL ET SES PROCEDES DE FABRICATION**
[72] FLOREY, GUILLAUME, CH
[72] BASSI, CORRADO, CH
[72] DESPOIS, AUDE, CH
[72] LEYVRAZ, DAVID, CH
[73] NOVELIS INC., US
[85] 2019-06-06
[86] 2017-12-12 (PCT/US2017/065715)
[87] (WO2018/111813)
[30] US (62/435,382) 2016-12-16
[30] US (62/477,677) 2017-03-28

[11] **3,046,898**
[13] C

[51] **Int.Cl. A45C 1/00 (2006.01) A45C 1/04 (2006.01) A45C 11/00 (2006.01) A45C 15/00 (2006.01) A45F 5/00 (2006.01)**
[25] EN
[54] **MAGNET BAG ASSEMBLY IS A MATERIAL BAG AND ACCESSORY PIECE WITH SEALED IN MAGNETS WHICH ATTACHES TO SURFACES AND ASSISTS AS AN ORGANIZATIONAL TOOL**
[54] **ENSEMBLE DE SAC MAGNETIQUE COMPOSE D'UN SAC ET D'UN ACCESSOIRE COMPORTANT DES AIMANTS SCELLES QUI S'ATTACHENT AUX SURFACES ET SERVENT D'OUTIL D'ORGANISATION**
[72] MORRISON, JENNIFER L., CA
[73] MORRISON, JENNIFER L., CA
[86] (3046898)
[87] (3046898)
[22] 2019-06-17

[11] **3,047,046**
[13] C

[51] **Int.Cl. A44B 11/25 (2006.01)**
[25] EN
[54] **MULTI-FUNCTION BUCKLE ASSEMBLY**
[54] **ENSEMBLE BOUCLE MULTIFONCTION**
[72] TEMPLETON, GORDON D. O., CA
[73] TEMPLETON, GORDON D. O., CA
[86] (3047046)
[87] (3047046)
[22] 2019-06-18
[30] US (62702043) 2018-07-23

[11] **3,047,243**
[13] C

[51] **Int.Cl. A61F 13/49 (2006.01) A61F 13/536 (2006.01)**
[25] EN
[54] **ABSORBENT ARTICLES AND METHODS OF MANUFACTURING THE SAME**
[54] **ARTICLES ABSORBANTS ET PROCEDES DE FABRICATION ASSOCIES**
[72] DONOVAN, BRIDGET, US
[72] LOVE, DANIEL B., US
[72] SETOODEH, AMIN, US
[73] MEDLINE INDUSTRIES, LP, US
[86] (3047243)
[87] (3047243)
[22] 2011-10-19
[62] 2,815,196
[30] US (61/394,758) 2010-10-19

[11] **3,047,590**
[13] C

[51] **Int.Cl. B23K 9/173 (2006.01) B23K 9/26 (2006.01) B23K 9/29 (2006.01)**
[25] EN
[54] **NOZZLE AND GAS DIFFUSER ASSEMBLIES FOR WELDING TORCHES**
[54] **ENSEMBLES BUSE ET DIFFUSEUR DE GAZ POUR TORCHES DE SOUDAGE**
[72] WHIPPLE, BRADLEY EUGENE, US
[72] WELLS, JEFFREY G., US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2019-06-18
[86] 2017-12-28 (PCT/US2017/068690)
[87] (WO2018/125995)
[30] US (62/439,831) 2016-12-28
[30] US (15/855,356) 2017-12-27

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[11] **3,049,204**
[13] C

[51] **Int.Cl. C04B 41/51 (2006.01) C04B 35/80 (2006.01) C04B 41/45 (2006.01)**
[25] EN
[54] **MELT INFILTRATION WITH SIGA AND/OR SIIN ALLOYS**
[54] **INFILTRATION PAR FUSION AVEC SIGA ET/OU DES ALLIAGES DE SIIN**
[72] KIRBY, GLEN HAROLD, US
[72] STEIBEL, JAMES DALE, US
[73] GENERAL ELECTRIC COMPANY, US
[85] 2019-07-03
[86] 2017-12-02 (PCT/US2017/064370)
[87] (WO2018/132197)
[30] US (15/403,633) 2017-01-11

[11] **3,049,487**
[13] C

[51] **Int.Cl. A61K 31/609 (2006.01) A61P 7/02 (2006.01) A61P 9/00 (2006.01) A61P 9/10 (2006.01)**
[25] EN
[54] **USE OF NICLOSAMIDE DERIVATIVES FOR PREVENTING A PODOPLANIN OR COLLAGEN INDUCED THROMBOSIS-RELATED DISEASE**
[54] **UTILISATION DE DERIVES DE NICLOSAMIDE POUR LA PREVENTION D'UN TROUBLE DETHROMBOSE CAUSE PAR LA PODOPLANINE OU LE COLLAGENE**
[72] CHONG, KOWIT-YU, CN
[72] TSENG, CHING-PING, CN
[73] CHANG GUNG UNIVERSITY, CN
[85] 2019-07-05
[86] 2017-04-05 (PCT/CN2017/079476)
[87] (WO2018/133212)
[30] CN (201710040342.X) 2017-01-20

[11] **3,049,531**
[13] C

[51] **Int.Cl. H04L 9/30 (2006.01)**
[25] EN
[54] **HOMOMORPHIC WHITE BOX SYSTEM AND METHOD FOR USING SAME**
[54] **SYSTEME DE BOITE BLANCHE HOMOMORPHE ET SON PROCEDE D'UTILISATION**
[72] ANDERSON, LEX AARON, NZ
[72] MEDVINKSY, ALEXANDER, US
[72] SHAMSAASEF, RAFIE, US
[73] ARRIS ENTERPRISES LLC, US
[85] 2019-07-05
[86] 2018-01-09 (PCT/US2018/012931)
[87] (WO2018/182818)
[30] US (62/443,926) 2017-01-09
[30] US (15/865,689) 2018-01-09

[11] **3,049,671**
[13] C

[51] **Int.Cl. G06F 8/00 (2018.01) G06F 16/20 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR COMPARING COMPUTER SCRIPTS**
[54] **SYSTEMES ET METHODES DE COMPARAISON DE SCRIPTS INFORMATIQUES**
[72] DURVASULA, SREENIVAS, US
[72] SAHA, PRABODH, US
[72] BARTHIPUDI, VENKATA NAGA MANOJ, US
[72] MOHANTY, AMITAV, US
[73] SERVICENOW, INC., US
[86] (3049671)
[87] (3049671)
[22] 2019-07-15
[30] US (16/036,609) 2018-07-16

[11] **3,049,829**
[13] C

[51] **Int.Cl. D21H 27/18 (2006.01) B32B 29/00 (2006.01) D21H 17/67 (2006.01) D21H 19/26 (2006.01) D21H 19/38 (2006.01) D21H 21/28 (2006.01) D21H 27/22 (2006.01)**
[25] EN
[54] **DECOR PAPER FOR LAMINATES**
[54] **PAPIER DECOR POUR STRATIFIES**
[72] CHARIGNON, SEBASTIEN, FR
[73] AHLSTROM-MUNKSJO OYJ, FI
[85] 2019-07-10
[86] 2018-02-02 (PCT/EP2018/052684)
[87] (WO2018/141915)
[30] FR (1750957) 2017-02-03

[11] **3,050,103**
[13] C

[51] **Int.Cl. A61M 5/32 (2006.01) A61M 5/24 (2006.01) A61M 5/31 (2006.01) A61B 50/30 (2016.01)**
[25] EN
[54] **NEEDLE CHANGING APPARATUS**
[54] **APPAREILLAGE DE CHANGEMENT D'AIGUILLE**
[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, US
[86] (3050103)
[87] (3050103)
[22] 2011-08-12
[62] 2,989,557
[30] US (61/344,525) 2010-08-16
[30] US (13/206,438) 2011-08-09

[11] **3,050,486**
[13] C

[51] **Int.Cl. H01H 47/22 (2006.01) G05F 1/445 (2006.01) H01F 5/00 (2006.01)**
[25] EN
[54] **METHOD, CONTROLLER AND SYSTEM FOR REGULATING A CURRENT OF A COIL**
[54] **METHODE, COMMANDE ET SYSTEME DE REGULATION D'UN COURANT DANS UNE BOBINE**
[72] QIU, JIAN, CN
[72] BI, BAOYUN, CN
[73] SCHNEIDER ELECTRIC INDUSTRIES SAS, FR
[86] (3050486)
[87] (3050486)
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[30] CN (20180848144.0) 2018-07-27

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[25] EN

[54] **HIGH YIELD TRANSIENT EXPRESSION IN MAMMALIAN CELLS USING UNIQUE PAIRING OF HIGH DENSITY GROWTH AND TRANSFECTION MEDIUM AND EXPRESSION ENHANCERS**

[54] **EXPRESSION TRANSITOIRE A HAUT RENDEMENT DANS DES CELLULES DE MAMMIFERE A L'AIDE D'UN APPARIEMENT UNIQUE D'UN MILIEU DE CROISSANCE ET DE TRANSFECTION A HAUTE DENSITE ET D'ACTIVATEURS D'EXPRESSION**

[72] VASU, SANJAY K., US
[72] CHIOU, HENRY C., US
[72] ROGERS, JEFFREY, US
[72] CISNEROS, MARIA, US
[72] LI, JINGQIU, US
[72] LIU, CHAO YAN, US
[72] JONES, MEREDITH, US
[73] LIFE TECHNOLOGIES CORPORATION, US

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[30] US (61/641,864) 2012-05-02

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[54] **WEEKLY DOSING REGIMENS FOR ANTI-CD30 VC-PAB-MMAE ANTIBODY DRUG-CONJUGATES**

[54] **REGIMES POSOLOGIQUES HEBDOMADAIRES POUR DES CONJUGUES ANTICORPS ANTI-CD30 VC-PAB-MMAE - MEDICAMENT**

[72] SIEVERS, ERIC, US
[72] KENNEDY, DANA, US
[72] IHLE, NATHAN, US
[72] SUN, MICHAEL, US
[73] SEAGEN INC., US

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[87] (3051090)
[22] 2010-01-08
[62] 2,749,115
[30] US (61/143,713) 2009-01-09
[30] US (61/152,205) 2009-02-12
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[11] **3,051,596**
[13] C

[51] **Int.Cl. C11D 3/04 (2006.01) C11D 3/20 (2006.01) C11D 3/37 (2006.01) C11D 3/50 (2006.01) C11D 11/00 (2006.01) C11D 17/00 (2006.01)**

[25] EN

[54] **METHODS FOR MAKING ENCAPSULATE-CONTAINING PRODUCT COMPOSITIONS**

[54] **PROCEDES DE FABRICATION DE COMPOSITIONS DE PRODUIT CONTENANT UN PRODUIT D'ENCAPSULATION**

[72] SONG, XINBEI, US
[72] KENNEALLY, COREY JAMES, US
[72] SADLOWSKI, EUGENE STEVEN, US
[72] SCHEIBEL, JEFFREY JOHN, US
[72] SMETS, JOHAN, BE
[72] VANSTEENWINCKEL, PASCALE CLAIRE ANNICK, BE

[73] THE PROCTER & GAMBLE COMPANY, US

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[86] 2018-02-27 (PCT/US2018/019816)
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[11] **3,053,067**
[13] C

[51] **Int.Cl. F16B 13/10 (2006.01)**

[25] EN

[54] **ANCHOR ASSEMBLY WITH TOGGLE FOR HOLLOW WALLS**

[54] **DISPOSITIF D'ANCRAGE POUR MURS CREUX COMPORTANT UN ELEMENT A BASCULE**

[72] MCDUFF, PIERRE, CA
[72] POLLAK, ALEXANDRE, CA
[72] NGUYEN, LANG, CA
[72] BOUCHARD, ANDRE, CA

[73] COBRA FIXATIONS CIE LTEE - COBRA ANCHORS CO. LTD., CA

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[54] **SYSTEMS AND METHODS FOR AUTOMATED PREPARATION OF BIOLOGICAL SPECIMENS**

[54] **SYSTEMES ET PROCEDES DE PREPARATION AUTOMATISEE D'ECHANTILLONS BIOLOGIQUES**

[72] HUNT, BARRY F, US
[72] JENOSKI, RAYMOND, US
[72] OLIVA, RYAN, US
[72] CORDEIRO, MICHAEL, US
[72] GRIMES, ERIC, US
[73] HOLOGIC, INC., US

[85] 2019-08-08
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[54] **LAMELLAR PARTICLES AND METHODS OF MANUFACTURE**
[54] **PARTICULES LAMELLAIRES ET PROCEDES DE FABRICATION**
[72] ZIEBA, JAROSLAW, US
[72] JANSSEN, KELLY, US
[73] VIAVI SOLUTIONS INC., US
[85] 2019-08-16
[86] 2018-02-28 (PCT/US2018/020128)
[87] (WO2018/160639)
[30] US (62/465,605) 2017-03-01

[11] **3,054,205**
[13] C

[51] **Int.Cl. A61B 6/04 (2006.01)**
[25] EN
[54] **JOINT ASSEMBLY FOR CONNECTING A LONG EXTENSION PANEL TO A PATIENT SUPPORT PANEL OF A RADIATION THERAPY TABLE AND A TWO-PIECE PATIENT SUPPORT TABLE FORMED THEREBY**
[54] **ENSEMBLE JOINT POUR RELIER UN PANNEAU D'EXTENSION ALLONGE A UN PANNEAU DE SUPPORT DE PATIENT D'UNE TABLE DE RADIOTHERAPIE ET TABLE DE SUPPORT DE PATIENT EN DEUX PARTIES FORMEE PAR CELUI-CI**
[72] WILSON, ROGER F., US
[72] KLASSON, CHARLES, US
[72] RIBBLE, BRUCE, US
[73] MEDTEC, INC., US
[86] (3054205)
[87] (3054205)
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[62] 2,874,433
[30] US (13/477,433) 2012-05-22

[11] **3,054,709**
[13] C

[51] **Int.Cl. A61B 17/17 (2006.01) A61B 34/10 (2016.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ASSOCIATION OF A GUIDING AID WITH A PATIENT TISSUE**
[54] **SYSTEME ET METHODE D'ASSOCIATION D'UN DISPOSITIF DE GUIDAGE AVEC UN TISSU**
[72] BARSOUM, WAEL K., US
[72] BRYAN, JASON A., US
[72] O'NEILL, PETER D., US
[72] IANNOTTI, JOSEPH P., US
[73] THE CLEVELAND CLINIC FOUNDATION, US
[86] (3054709)
[87] (3054709)
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[11] **3,055,030**
[13] C

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[25] EN
[54] **METHOD AND SYSTEM FOR LOCATING AN ACOUSTIC SOURCE**
[54] **PROCEDE ET SYSTEME DE LOCALISATION D'UNE SOURCE ACOUSTIQUE**
[72] FARHADIROUSHAN, MAHMOUD, GB
[72] PARKER, TOM, GB
[72] YOUSIF, KAMIL, GB
[73] SILIXA LTD., GB
[73] CHEVRON U.S.A. INC., US
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[30] GB (1113381.6) 2011-08-03

[11] **3,055,430**
[13] C

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[25] EN
[54] **METHOD AND APPARATUS FOR DESIGNING MODEL-BASED CONTROL HAVING TEMPORALLY ROBUST STABILITY AND PERFORMANCE FOR MULTIPLE-ARRAY CROSS-DIRECTION (CD) WEB MANUFACTURING OR PROCESSING SYSTEMS OR OTHER SYSTEMS**
[54] **PROCEDE ET APPAREIL DE CONCEPTION ET COMMANDE EN FONCTION D'UN MODELE AYANT UNE STABILITE ET UNE EFFICACITE ROBUSTES DANS LE TEMPS POUR DES SYSTEMES DE FABRICATION OU DE TRAITEMENT DE BANDE TRANSVERSALE A RESEAUX MULTIPLES (CD) OU D'AUTRES SYSTEMES**
[72] HE, NING, US
[72] FORBES MICHAEL, US
[72] BACKSTROM, JOHAN U., US
[72] CHEN, TONGWEN, US
[73] HONEYWELL LIMITED, CA
[85] 2019-09-05
[86] 2018-03-02 (PCT/CA2018/000046)
[87] (WO2018/161148)
[30] US (62/467,803) 2017-03-06
[30] US (15/888,990) 2018-02-05

[11] **3,056,260**
[13] C

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[25] EN
[54] **GENERATION OF AUGMENTED REALITY IMAGE OF A MEDICAL DEVICE**
[54] **GENERATION D'UNE IMAGE DE REALITE AUGMENTEE D'UN DISPOSITIF MEDICAL**
[72] FLOSSMANN, SVEN, DE
[72] STOPP, SEBASTIAN, DE
[73] BRAINLAB AG, DE
[85] 2019-09-12
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[13] C

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[25] EN
[54] **AC POWER TRANSFER OVER SELF-PASSIVATING CONNECTORS**
[54] **TRANSFERT DE PUISSANCE EN COURANT ALTERNATIF SUR DES CONNECTEURS AUTO-PASSIVANTS**
[72] WINDGASSEN, JAMES R., US
[72] HACK, HARVEY P., US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[86] (3056624)
[87] (3056624)
[22] 2019-09-24
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[11] **3,056,823**

[13] C

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[25] EN
[54] **WOOD FOUNDATION WALLS AND FOUNDATIONS FORMED WITH SUCH WALLS**
[54] **MURS DE FONDATION EN BOIS ET FONDATIONS CONSTRUITES A PARTIR DE CES MURS**
[72] GRISOLIA, ANTHONY, US
[73] IBACOS, INC., US
[86] (3056823)
[87] (3056823)
[22] 2019-09-26
[30] US (62/736,719) 2018-09-26

[11] **3,057,100**

[13] C

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[25] EN
[54] **SYSTEMS AND METHODS OF FEEDING HOOK FASTENING ELEMENTS INTO A MOLD ASSEMBLY LINE**
[54] **SYSTEMES ET PROCEDES PERMETTANT D'INTRODUIRE DES ELEMENTS DE FIXATION A CROCHETS DANS UNE CHAINE DE MONTAGE DE MOULES**
[72] NAKATA, YOSHIFUMI, US
[72] SHO, YOSHIYUKI, JP
[72] YONESHIMA, HISASHI, JP
[72] YOSHIDA, TAKANORI, US
[72] YOSHIDA, TOMONARI, US
[73] YKK CORPORATION, JP
[86] (3057100)
[87] (3057100)
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[25] EN
[54] **SYSTEM, METHOD AND SOFTWARE FOR PRODUCING LIVE VIDEO CONTAINING THREE-DIMENSIONAL IMAGES THAT APPEAR TO PROJECT FORWARD OF OR VERTICALLY ABOVE A DISPLAY**
[54] **SYSTEME, PROCEDE ET LOGICIEL DE PRODUCTION D'UNE SEQUENCE VIDEO EN DIRECT CONTENANT DES IMAGES TRIDIMENSIONNELLES SEMBLANT SE PROJETER VERS L'AVANT OU VERTICALEMENT AU-DESSUS D'UN DISPOSITIF D'AFFICHAGE**
[72] FREEMAN, RICHARD S., US
[72] HOLLINGER, SCOTT A., US
[73] MAXX MEDIA GROUP, LLC, US
[85] 2019-09-23
[86] 2018-04-06 (PCT/US2018/026389)
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[30] US (15/481,447) 2017-04-06
[30] US (15/665,423) 2017-08-01

[11] **3,058,181**

[13] C

- [51] **Int.Cl. E21B 7/24 (2006.01) E21B 4/02 (2006.01) E21B 21/10 (2006.01) E21B 28/00 (2006.01) E21B 34/10 (2006.01) E21B 34/14 (2006.01)**
[25] EN
[54] **VALVES FOR ACTUATING DOWNHOLE SHOCK TOOLS IN CONNECTION WITH CONCENTRIC DRIVE SYSTEMS**
[54] **VANNES DESTINEES A ACTIONNER DES OUTILS DE CHOC DE FOND DE TROU RELIEES A DES SYSTEMES D'ENTRAINEMENT CONCENTRIQUES**
[72] CLAUSEN, JEFFERY RONALD, US
[72] MARCHAND, NICHOLAS RYAN, CA
[72] DONALD, SEAN MATTHEW, US
[73] NATIONAL OILWELL DHT, L.P., US
[85] 2019-09-26
[86] 2018-03-28 (PCT/US2018/024847)
[87] (WO2018/183499)
[30] US (62/477,830) 2017-03-28
[30] US (62/532,802) 2017-07-14
[30] US (62/607,900) 2017-12-19

[11] **3,058,225**

[13] C

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[25] EN
[54] **UPDATING BLOCKCHAIN WORLD STATE MERKLE PATRICIA TRIE SUBTREE**
[54] **MISE A JOUR D'UN SOUS-ARBRE MERKLE-PATRICIA-TRIE D'ETAT DU MONDE DE CHAINE DE BLOCS**
[72] ZHANG, WENBIN, CN
[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
[85] 2019-09-27
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[25] EN
[54] **REDUCING MERCURY EMISSIONS FROM THE BURNING OF COAL**
[54] **REDUCTION DES EMISSIONS DE MERCURE EMANANT DE LA COMBUSTION DE CHARBON**
[72] COMRIE, DOUGLAS C., US
[73] NOX II, LTD., US
[86] (3059168)
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[62] 2,968,816
[30] US (60/662,911) 2005-03-17

[11] **3,059,201**
[13] C

[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/958 (2013.01) A61F 2/82 (2013.01)**
[25] EN
[54] **LOW-PROFILE HEART VALVE AND DELIVERY SYSTEM**
[54] **VALVULE CARDIAQUE A PROFIL BAS ET SYSTEME DE POSE**
[72] BENICHOU, NETANEL, US
[72] ROEW, STANTON J., US
[72] CHOW, SEAN, US
[73] EDWARDS LIFESCIENCES CORPORATION, US
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[11] **3,059,554**
[13] C

[51] **Int.Cl. B01D 53/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND PROCESSES FOR REMOVING HYDROGEN SULFIDE FROM GAS STREAMS**
[54] **SYSTEMES ET PROCEDES D'ELIMINATION DE SULFURE D'HYDROGENE A PARTIR DE FLUX GAZEUX**
[72] MENGEL, MICHAEL LYN, US
[72] EVANS, AMY PATRICE, US
[72] GAL, ELI, US
[72] LEICHT, PAUL MURRAY, US
[73] MARSULEX ENVIRONMENTAL TECHNOLOGIES CORPORATION, US
[85] 2019-10-09
[86] 2017-04-19 (PCT/US2017/028322)
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[30] US (15/486,553) 2017-04-13

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[13] C

[51] **Int.Cl. A61M 5/172 (2006.01) A61M 5/142 (2006.01) A61M 5/145 (2006.01) A61M 5/168 (2006.01)**
[25] EN
[54] **PERIPHERAL SYSTEMS**
[54] **SYSTEMES PERIPHERIQUES**
[72] KAMEN, DEAN, US
[72] GRAY, LARRY B., US
[72] BEAVIS, RUSSELL H., US
[73] DEKA PRODUCTS LIMITED PARTNERSHIP, US
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[87] (3059992)
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[62] 2,926,975
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[30] US (60/789,243) 2006-04-05
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[11] **3,060,082**
[13] C

[51] **Int.Cl. H05B 45/00 (2022.01) F21K 9/278 (2016.01) H05B 45/3578 (2020.01) H05B 45/38 (2020.01) H05B 47/105 (2020.01) H05B 47/155 (2020.01) F21S 9/02 (2006.01) H02J 7/02 (2016.01)**
[25] EN
[54] **LED BATTERY BACKUP LAMP**
[54] **LAMPE DE SECOURS A BATTERIE A DEL**
[72] RAMAIAH, RAGHU, US
[72] FIRIS, JAMES WILLIAM, US
[72] MCMAHON, MORGAN LANE, US
[73] SAVANT TECHNOLOGIES LLC, US
[85] 2019-10-11
[86] 2018-05-11 (PCT/US2018/032318)
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[30] US (62/511,433) 2017-05-26

[11] **3,060,159**
[13] C

[51] **Int.Cl. E05B 37/00 (2006.01) E05B 15/00 (2006.01) E05B 17/10 (2006.01) E05B 37/08 (2006.01) E05B 47/00 (2006.01) E05B 47/06 (2006.01) E05G 1/00 (2006.01) E05G 1/04 (2006.01)**
[25] EN
[54] **SELF-POWERED LOCK**
[54] **SERRURE AUTOMATIQUE**
[72] BURRUS, CHRIS L., US
[72] CRAYCRAFT, BRIAN T., US
[72] DEHAVEN, J. GREGORY, US
[72] JANES, JOHN H., US
[72] MIMLITCH, KENNETH H., US
[72] REDMON, BENJAMIN T., US
[72] MILLER, J. CLAYTON, US
[72] COOKE, DONALD P., JR., US
[73] LOCK II, LLC, US
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[13] C

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[54] **LOW PROFILE COPPER AND FIBER OPTIC CASSETTES**

[54] **CASSETTES A CUIVRE ET FIBRES OPTIQUES A PROFIL BAS**

[72] BRAGG, CHARLES, US

[73] LEVITON MANUFACTURING CO., INC., US

[86] (3060164)

[87] (3060164)

[22] 2012-08-03

[62] 2,880,810

[30] US (13/564,495) 2012-08-01

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[13] C

[51] **Int.Cl. G01L 11/06 (2006.01) A61B 8/04 (2006.01) G01L 13/00 (2006.01)**

[25] EN

[54] **METHOD OF DETECTING PORTAL AND/OR HEPATIC PRESSURE AND A PORTAL HYPERTENSION MONITORING SYSTEM**

[54] **PROCEDE DE DETECTION DE PRESSION PORTALE ET/OU HEPATIQUE ET SYSTEME DE SURVEILLANCE D'HYPERTENSION PORTALE**

[72] RICHTER, YORAM, IL

[72] TAMMAM, ERIC S., IL

[72] MANDEL, SHAHAR EVEN-DAR, IL

[73] MICROTECH MEDICAL TECHNOLOGIES LTD., IL

[86] (3060248)

[87] (3060248)

[22] 2012-08-31

[62] 2,847,374

[30] US (61/530,040) 2011-09-01

[11] **3,060,451**
[13] C

[51] **Int.Cl. H04W 72/12 (2009.01) H04W 28/04 (2009.01) H04W 80/02 (2009.01) H04L 1/18 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR EFFICIENT USAGE OF DAI BITS FOR EIMTA IN LTE**

[54] **PROCEDE ET APPAREIL POUR UTILISATION EFFICACE DE BITS DAI POUR EIMTA DANS LA TECHNOLOGIE LTE**

[72] WEI, CHAO, US

[72] WANG, NENG, US

[72] CHENG, PENG, US

[72] CHEN, WANSHI, US

[72] XU, HAO, US

[72] GAAL, PETER, US

[72] HOU, JILEI, US

[73] QUALCOMM INCORPORATED, US

[86] (3060451)

[87] (3060451)

[22] 2013-11-01

[62] 2,921,618

[30] CN (PCT/CN2013/084339) 2013-09-23

[11] **3,060,524**
[13] C

[51] **Int.Cl. B65H 3/00 (2006.01) B65H 1/04 (2006.01) B65H 7/06 (2006.01) B65H 29/48 (2006.01)**

[25] EN

[54] **TILT HOISTS AND LUMBER UNSTACKING SYSTEMS**

[54] **CONVOYEURS-ELEVATEURS BASCULANTS ET SYSTEMES DE DESEMPILEMENT DU BOIS DE SCIAGE**

[72] HOVE, DARREN, CA

[72] PETRYSHEN, LARRY, CA

[72] STOKES, KENNETH NEIL, CA

[72] CONGDON, THOMAS W., CA

[73] USNR, LLC, US

[86] (3060524)

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[22] 2019-10-29

[30] US (62/752,121) 2018-10-29

[11] **3,060,568**
[13] C

[51] **Int.Cl. A43C 7/00 (2006.01) A43C 11/00 (2006.01)**

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[54] **LACE LOCK SYSTEM**

[54] **SYSTEME DE VERROUILLAGE A LACET**

[72] LEONFELLNER, PERRY, CA

[73] LEONFELLNER, PERRY, CA

[86] (3060568)

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[22] 2019-10-30

[30] US (16/663,555) 2019-10-25

[11] **3,060,707**
[13] C

[51] **Int.Cl. A01N 43/16 (2006.01) A01P 21/00 (2006.01) C05D 11/00 (2006.01) C05F 11/00 (2006.01) C05G 1/00 (2006.01) C05G 3/00 (2020.01)**

[25] EN

[54] **METHODS FOR PHOTOSAFENING A PLANT BY EXPOSING THE PLANT TO A FORMULATION COMPRISING ALPHA-D-MANNOSIDES AND WATER SOLUBLE DIVALENT CALCIUM AND MANGANESE IONS**

[54] **METHODES DE PHOTOPROTECTION D'UNE PLANTE EN L'EXPOSANT A UNE FORMULATION COMPRENANT DES ALPHA-D-MANOSIDES ET DES IONS DE CALCIUM ET DE MANGANESE BIVALENTS SOLUBLES DANS L'EAU**

[72] NONOMURA, ARTHUR M., US

[73] INNOVATION HAMMER LLC, US

[86] (3060707)

[87] (3060707)

[22] 2012-11-19

[62] 2,856,580

[30] US (61/677,515) 2012-07-31

[30] US (61/561,992) 2011-11-21

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[11] **3,061,225**
[13] C

[51] **Int.Cl. G06Q 20/08 (2012.01) G06Q 20/38 (2012.01) G06Q 40/02 (2012.01)**

[25] EN

[54] **PAYMENT SYSTEM BASED ON DIFFERENT FUNDS SERVERS, AND PAYMENT METHOD, DEVICE AND SERVER THEREFOR**

[54] **SYSTEME DE PAIEMENT BASE SUR DIFFERENTS SERVEURS DE FONDS ET PROCEDE DE PAIEMENT, DISPOSITIF ET SERVEUR ASSOCIE**

[72] ZHANG, YI, CN

[73] 10353744 CANADA LTD., CA

[86] (3061225)

[87] (3061225)

[22] 2015-04-30

[62] 2,986,817

[11] **3,061,385**
[13] C

[51] **Int.Cl. H04M 1/2745 (2006.01) G06F 40/00 (2020.01) G10L 15/26 (2006.01) H04M 3/493 (2006.01) H04M 7/00 (2006.01)**

[25] EN

[54] **TOLL-FREE TELECOMMUNICATIONS MANAGEMENT PLATFORM**

[54] **PLATEFORME DE GESTION DE TELECOMMUNICATIONS SANS FRAIS**

[72] SHARMA, SRIRAM, US

[72] CARTER, WILLIAM, US

[72] KIMMEL, MICHAEL, US

[73] SOMOS, INC., US

[86] (3061385)

[87] (3061385)

[22] 2015-10-30

[62] 2,965,681

[30] US (62/073,976) 2014-11-01

[11] **3,061,443**
[13] C

[51] **Int.Cl. H01L 31/0264 (2006.01) B82Y 20/00 (2011.01) H01L 31/06 (2012.01) C09C 3/06 (2006.01)**

[25] EN

[54] **PHOTOVOLTAIC DEVICES WITH DEPLETED HETEROJUNCTIONS AND SHELL-PASSIVATED NANOPARTICLES**

[54] **DISPOSITIFS PHOTOVOLTAIQUES A HETEROJONCTIONS APPAUVRIS ET NANOPARTICULES A COQUES PASSIVEES**

[72] TANG, JIANG, CA

[72] PATTANTYUS-ABRAHAM, ANDRAS, CA

[72] KRAMER, ILLAN, CA

[72] BARKHOUSE, AARON, US

[72] WANG, XIHUA, CA

[72] DEBNATH, RATAN, CA

[72] SARGENT, EDWARD H., CA

[72] GERASIMOS, KONSTANTATOS, ES

[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA

[86] (3061443)

[87] (3061443)

[22] 2011-03-25

[62] 2,795,719

[30] US (61/321,450) 2010-04-06

[30] US (61/334,650) 2010-05-14

[30] US (12/890,797) 2010-09-27

[11] **3,061,637**
[13] C

[51] **Int.Cl. G06Q 10/06 (2012.01) H04M 3/523 (2006.01)**

[25] EN

[54] **TECHNIQUES FOR BENCHMARKING PAIRING STRATEGIES IN A CONTACT CENTER SYSTEM**

[54] **TECHNIQUES D'EVALUATION COMPARATIVE DE STRATEGIES D'APPARIEMENT DANS UN SYSTEME DE CENTRE DE CONTACT**

[72] CHISHTI, ZIA, US

[73] AFINITI, LTD., BM

[86] (3061637)

[87] (3061637)

[22] 2017-04-18

[62] 3,004,240

[30] US (15/131,915) 2016-04-18

[30] US (15/221,698) 2016-07-28

[11] **3,061,783**
[13] C

[51] **Int.Cl. G06Q 20/40 (2012.01) G06Q 20/10 (2012.01)**

[25] EN

[54] **RESOURCE TRANSFER METHOD, FUND PAYMENT METHOD, AND ELECTRONIC DEVICE**

[54] **PROCEDE DE TRANSFERT DE RESSOURCES, PROCEDE ET APPAREIL DE PAIEMENT DE FONDS, ET DISPOSITIF ELECTRONIQUE**

[72] LIN, SHUMIN, CN

[72] DONG, LIYUN, CN

[72] HUANG, JIANLONG, CN

[72] JIA, DONGLIN, CN

[72] LI, YUANSHEN, CN

[72] ZHOU, LIANG, CN

[72] ZHAO, HONGWEI, CN

[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY

[85] 2019-10-29

[86] 2018-08-29 (PCT/CN2018/103001)

[87] (WO2019/042324)

[30] CN (201710765152.4) 2017-08-30

[11] **3,062,128**
[13] C

[51] **Int.Cl. G01S 13/74 (2006.01) A63B 71/06 (2006.01)**

[25] EN

[54] **ASSOCIATIVE OBJECT TRACKING SYSTEMS AND METHODS**

[54] **SYSTEMES ET PROCEDES DE SUIVI D'OBJET ASSOCIATIF**

[72] DEANGELIS, DOUGLAS J., US

[72] EVANSEN, EDWARD G., US

[72] REILLY, GERARD M., US

[73] ISOLYNX, LLC, US

[86] (3062128)

[87] (3062128)

[22] 2011-11-21

[62] 2,949,476

[30] US (61/415,707) 2010-11-19

[11] **3,062,267**
[13] C

[51] **Int.Cl. B23K 11/34 (2006.01) B23K 11/30 (2006.01) B23K 11/36 (2006.01)**

[25] EN

[54] **TIP DRESSER**

[54] **DRESSEUR DE POINTE**

[72] KIM, HEEJOON, JP

[73] KYOKUTOH CO., LTD., JP

[85] 2019-11-01

[86] 2018-04-19 (PCT/JP2018/016181)

[87] (WO2019/202710)

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[11] **3,062,341**
[13] C

- [51] **Int.Cl. C12N 15/113 (2010.01) A01H 5/00 (2018.01) C12N 5/10 (2006.01) C12N 15/11 (2006.01) C12N 15/82 (2006.01)**
- [25] EN
- [54] **PLANT REGULATORY ELEMENTS AND USES THEREOF**
- [54] **ELEMENTS REGULATEURS POUR VEGETAUX ET LEURS UTILISATIONS**
- [72] FLASINSKI, STANISLAW, US
- [73] MONSANTO TECHNOLOGY LLC, US
- [86] (3062341)
- [87] (3062341)
- [22] 2013-12-17
- [62] 2,895,184
- [30] US (61/739,720) 2012-12-19

[11] **3,063,081**
[13] C

- [51] **Int.Cl. A61M 25/00 (2006.01) A61F 2/00 (2006.01) A61M 39/06 (2006.01)**
- [25] EN
- [54] **A UROLOGICAL DEVICE**
- [54] **DISPOSITIF UROLOGIQUE**
- [72] BEHAN, NIALL, IE
- [73] COLOPLAST A/S, DK
- [86] (3063081)
- [87] (3063081)
- [22] 2010-12-17
- [62] 2,784,128
- [30] US (61/287,838) 2009-12-18
- [30] US (61/409,741) 2010-11-03

[11] **3,063,382**
[13] C

- [51] **Int.Cl. A47B 96/00 (2006.01) A47B 51/00 (2006.01) A47B 57/06 (2006.01) A47B 77/08 (2006.01)**
- [25] EN
- [54] **STEEL CABLE STEERING DEVICE, STEEL CABLE STEERING SYSTEM AND LIFTING CABINET**
- [54] **DISPOSITIF DE DIRECTION DE CABLES D'ACIER, SYSTEME DE DIRECTION DE CABLES D'ACIER ET COFFRET ELEVATEUR**
- [72] QIU, JIA SEN, CN
- [73] CMECH (GUANGZHOU) LTD., CN
- [86] (3063382)
- [87] (3063382)
- [22] 2019-11-29
- [30] CN (201910718438.6) 2019-08-05
- [30] CN (201910717730.6) 2019-08-05
- [30] CN (201910718446.0) 2019-08-05
- [30] CN (201921261566.4) 2019-08-05
- [30] US (16/695,789) 2019-11-26
- [30] US (16/695,655) 2019-11-26
- [30] US (16/695,659) 2019-11-26
- [30] US (16/695,850) 2019-11-26

[11] **3,064,361**
[13] C

- [51] **Int.Cl. F16L 15/04 (2006.01)**
- [25] EN
- [54] **THREADED CONNECTION FOR STEEL PIPES**
- [54] **JOINT A VIS POUR TUYAU EN ACIER**
- [72] INOSE, KEITA, JP
- [72] SUGINO, MASAOKI, JP
- [73] NIPPON STEEL CORPORATION, JP
- [73] VALLOUREC OIL AND GAS FRANCE, FR
- [85] 2019-11-20
- [86] 2018-04-05 (PCT/JP2018/014616)
- [87] (WO2018/216366)
- [30] JP (2017-101229) 2017-05-22

[11] **3,064,427**
[13] C

- [51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/145 (2006.01) G01J 3/00 (2006.01) G01J 3/28 (2006.01) G01N 21/00 (2006.01) G01N 21/62 (2006.01) G01N 21/63 (2006.01)**
- [25] EN
- [54] **METHOD AND APPARATUS FOR LIGHT-WEIGHT, NON-INVASIVE, POINT OF CARE DIABETES SCREENING DEVICE**
- [54] **PROCEDE ET APPAREIL POUR UN DISPOSITIF DE DEPISTAGE DU DIABETE UTILISABLE SUR LE LIEU DE SOIN, NON INVASIF, LEGER**
- [72] GUPTA, RIJUL, US
- [73] GUPTA, RIJUL, US
- [85] 2019-11-20
- [86] 2018-05-22 (PCT/US2018/033911)
- [87] (WO2018/217765)
- [30] US (62/509,325) 2017-05-22

[11] **3,064,669**
[13] C

- [51] **Int.Cl. C25D 5/14 (2006.01) C25D 3/06 (2006.01) C25D 7/06 (2006.01)**
- [25] EN
- [54] **ELECTRODEPOSITION OF A CHROMIUM-CHROMIUM OXIDE COATING FROM A TRIVALENT CHROMIUM SOLUTION**
- [54] **PROCEDE DE PRODUCTION D'UNE BANDE METALLIQUE REVETUE D'UN REVETEMENT DE CHROME ET D'OXYDE DE CHROME UTILISANT UNE SOLUTION D'ELECTROLYTE A L'AIDE D'UN COMPOSE DE CHROME TRIVALENT**
- [72] MARMANN, ANDREA, DE
- [72] MOLLS, CHRISTOPH, DE
- [72] GORTZ, RAINER, DE
- [72] LENZ, THOMAS, DE
- [73] THYSSENKRUPP RASSELSTEIN GMBH, DE
- [73] THYSSENKRUPP AG, DE
- [86] (3064669)
- [87] (3064669)
- [22] 2019-12-11
- [30] DE (10 2018 132 075.2) 2018-12-13

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[11] **3,064,882**
[13] C

[51] **Int.Cl. C04B 41/89 (2006.01)**
[25] EN
[54] **EBC WITH MULLITE BONDCOAT HAVING A NON-OXIDE SILICON CERAMIC**
[54] **ENVETEMENT DE BARRIERE ENVIRONNEMENTALE AYANT UNE COUCHE DE LIAISON DE MULLITE QUI COMPREND UNE CERAMIQUE DE SILICIUM NON OXYDANTE**
[72] LUTHRA, KRISHAN LAL, US
[72] WAN, JULIN, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (3064882)
[87] (3064882)
[22] 2019-12-12
[30] US (16/229,468) 2018-12-21

[11] **3,064,992**
[13] C

[51] **Int.Cl. E21B 19/16 (2006.01)**
[25] EN
[54] **SPINNER ASSEMBLY WITH FOUR BAR LINKAGE DEVICE**
[54] **ENSEMBLE DE CENTRIFUGEUSE DOTE D'UN DISPOSITIF DE LIAISON A QUATRE BARRES**
[72] VO, HAN, US
[73] FORUM US, INC., US
[85] 2019-11-26
[86] 2018-05-10 (PCT/US2018/031960)
[87] (WO2018/222361)
[30] US (15/609,304) 2017-05-31

[11] **3,065,001**
[13] C

[51] **Int.Cl. E21B 19/16 (2006.01)**
[25] EN
[54] **SPINNER TOOL WITH FLOATING CARRIAGE DEVICE**
[54] **OUTIL DE ROTATION AVEC DISPOSITIF DE CHARIOT FLOTTANT**
[72] VO, HAN, US
[73] FORUM US, INC., US
[85] 2019-11-26
[86] 2018-05-09 (PCT/US2018/031807)
[87] (WO2018/222355)
[30] US (15/609,266) 2017-05-31

[11] **3,065,249**
[13] C

[51] **Int.Cl. B64C 25/60 (2006.01) B64C 25/22 (2006.01)**
[25] EN
[54] **AIRCRAFT LANDING GEAR AND PITCH TRIMMER ASSEMBLY**
[54] **TRAIN D'ATTERRISSAGE D'AERONEF ET ASSEMBLAGE DE REGLAGE DE PAS**
[72] BENNETT, IAN ROBERT, GB
[72] SIMONNEAUX, YANN, GB
[73] SAFRAN LANDING SYSTEMS UK LIMITED, GB
[86] (3065249)
[87] (3065249)
[22] 2019-12-13
[30] EP (18214631.6) 2018-12-20

[11] **3,065,274**
[13] C

[51] **Int.Cl. C12N 5/071 (2010.01) A61K 35/36 (2015.01) A61K 35/407 (2015.01) A61L 27/38 (2006.01) A61P 1/16 (2006.01) A61P 1/18 (2006.01) C12N 5/02 (2006.01) C12Q 1/02 (2006.01) C12Q 1/68 (2018.01) G01N 33/48 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR OBTAINING ORGANOIDS**
[54] **COMPOSITIONS ET PROCEDES D'OBTENTION D'ORGANOIDES**
[72] SEGERITZ, CHARIS-PATRICIA, CA
[72] CONDER, RYAN, CA
[72] RIEDEL, MICHAEL, CA
[73] STEMCELL TECHNOLOGIES CANADA INC., CA
[85] 2019-11-27
[86] 2018-05-29 (PCT/CA2018/050625)
[87] (WO2018/218344)
[30] US (62/512,138) 2017-05-29

[11] **3,065,353**
[13] C

[51] **Int.Cl. F23J 15/06 (2006.01) F23G 7/08 (2006.01) F23J 13/02 (2006.01) F23L 9/04 (2006.01) F23L 11/02 (2006.01)**
[25] EN
[54] **AIR SHIELD FOR COMBUSTOR FIRETUBE STACK**
[54] **DEFLECTEUR AERODYNAMIQUE POUR PILE DE TUBE DE FUMEE DE CHAMBRE DE COMBUSTION**
[72] ALDRICH, CHRIS, CA
[73] CLEAR RUSH CORPORATION, CA
[86] (3065353)
[87] (3065353)
[22] 2019-12-17

[11] **3,065,482**
[13] C

[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/42 (2020.01) A24F 40/44 (2020.01) A24F 47/00 (2020.01)**
[25] EN
[54] **ELECTRONIC CIGARETTE WITH SEALED CARTRIDGE**
[54] **CIGARETTE ELECTRONIQUE AYANT UNE CARTOUCHE SCELLEE**
[72] HON, LIK, CN
[73] FONTEM HOLDINGS 1 B.V., NL
[86] (3065482)
[87] (3065482)
[22] 2012-04-26
[62] 2,989,580

[11] **3,065,497**
[13] C

[51] **Int.Cl. E21B 33/14 (2006.01) E21B 17/00 (2006.01)**
[25] EN
[54] **WELLBORE FLUID COMMUNICATION TOOL**
[54] **OUTIL DE COMMUNICATION FLUIDIQUE DE Puits DE FORAGE**
[72] MADDUX, STEPHEN ROSS, US
[72] KOHN, GARY, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-11-28
[86] 2017-08-03 (PCT/US2017/045330)
[87] (WO2019/027464)

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[11] **3,065,591**
[13] C

[51] **Int.Cl. A61K 8/49 (2006.01) A61Q 15/00 (2006.01) C11B 9/00 (2006.01)**

[25] EN

[54] **ANTIPERSPIRANT AND DEODORANT COMPOSITIONS COMPRISING A PERFUME RAW MATERIAL COMPRISING A PYRAZINE MOIETY**

[54] **COMPOSITIONS ANTISUDORIFIQUES ET DESODORISANTES COMPRENANT DES MATIERES PREMIERES DE PARFUM PRESENTANT UN GROUPE DE PYRAZINE**

[72] CETTI, JONATHAN ROBERT, US

[72] DUBOIS, ZERLINA GUZDAR, US

[72] HUTCHINS, VIRGINIA TZUNG-HWEI, US

[72] KINSEY, MICHAEL WAYNE, US

[73] THE PROCTER & GAMBLE COMPANY, US

[86] (3065591)

[87] (3065591)

[22] 2013-12-13

[62] 2,969,931

[30] US (61/737,257) 2012-12-14

[30] US (61/869,241) 2013-08-23

[30] US (61/879,217) 2013-09-18

[11] **3,065,641**
[13] C

[51] **Int.Cl. G01N 21/89 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR INSPECTION OF THE SURFACE OF A MOVING SHEET**

[54] **PROCEDE ET DISPOSITIF D'INSPECTION DE LA SURFACE D'UNE FEUILLE EN MOUVEMENT**

[72] KETT, JURGEN, DE

[73] THYSSENKRUPP RASSELSTEIN GMBH, DE

[86] (3065641)

[87] (3065641)

[22] 2019-12-19

[30] DE (10 2019 107 174.7) 2019-03-20

[11] **3,065,791**
[13] C

[51] **Int.Cl. H01H 9/52 (2006.01) H01H 9/54 (2006.01) H02H 3/20 (2006.01)**

[25] EN

[54] **SURGE ARRESTER SYSTEM AND CIRCUIT BREAKER SYSTEM**

[54] **SYSTEME DE PARASURTENSEUR ET SYSTEME DE DISJONCTEUR**

[72] TSCHIDA, COLIN, US

[72] CAIROLI, PIETRO, US

[72] PAN, ZHIGUO, US

[72] AGOSTINI, FRANCESCO, CH

[72] TORRESIN, DANIELE, CH

[72] RACITI, LUCA, IT

[72] LEONI, DAVIDE, IT

[73] ABB SCHWEIZ AG, CH

[85] 2019-11-29

[86] 2018-05-31 (PCT/US2018/035350)

[87] (WO2018/222842)

[30] US (15/610,420) 2017-05-31

[11] **3,066,273**
[13] C

[51] **Int.Cl. H04W 36/38 (2009.01) H04W 24/00 (2009.01) H04W 36/22 (2009.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR WIRELESS COMMUNICATION IN HETEROGENEOUS NETWORKS**

[54] **METHODES ET SYSTEMES DE COMMUNICATION SANS FIL DANS DES RESEAUX HETEROGENES**

[72] BONTU, CHANDRA SEKHAR, CA

[72] CAI, ZHIJUN, CA

[72] SONG, YI, CA

[73] BLACKBERRY LIMITED, CA

[86] (3066273)

[87] (3066273)

[22] 2013-04-03

[62] 2,908,598

[11] **3,066,386**
[13] C

[51] **Int.Cl. B65D 90/02 (2019.01) B21C 37/08 (2006.01) B23K 37/04 (2006.01) B23K 37/053 (2006.01) B60P 3/22 (2006.01) B61D 5/00 (2006.01) B65D 88/06 (2006.01) B65D 88/12 (2006.01) B65D 90/08 (2006.01)**

[25] EN

[54] **CYLINDRICAL CARGO CONTAINER CONSTRUCTION**

[54] **CONSTRUCTION DE CONTENEUR DE FRET CYLINDRIQUE**

[72] KLOEPFER, MICHAEL, CA

[72] HOWDEN, TREVER LORNE, CA

[72] KLOEPFER, CHRISTOPHER HOWARD, CA

[73] TITAN TRAILERS INC., CA

[86] (3066386)

[87] (3066386)

[22] 2017-12-19

[62] 3,039,568

[30] US (62/436,960) 2016-12-20

[30] US (62/562,001) 2017-09-22

[11] **3,066,615**
[13] C

[51] **Int.Cl. E05B 47/00 (2006.01)**

[25] EN

[54] **LOCKING DEVICE WITH CONFIGURABLE ELECTRICAL CONNECTOR KEY AND INTERNAL CIRCUIT BOARD FOR ELECTRONIC DOOR LOCKS**

[54] **DISPOSITIF DE BLOCAGE DOTE D'UNE CLE DE CONNEXEUR ELECTRIQUE CONFIGURABLE ET CARTE DE CIRCUIT INTERNE DESTINEE A DES VERROUS DE PORTE ELECTRONIQUES**

[72] LOWDER, SCOTT B., US

[73] SARGENT MANUFACTURING COMPANY, US

[86] (3066615)

[87] (3066615)

[22] 2016-02-11

[62] 2,920,552

[30] US (14/622,200) 2015-02-13

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[11] **3,066,680**
[13] C

[51] **Int.Cl. C07D 307/80 (2006.01) A61K 31/343 (2006.01) A61K 31/437 (2006.01) A61P 13/12 (2006.01) A61P 19/06 (2006.01) C07D 471/04 (2006.01)**

[25] EN

[54] **URAT1 INHIBITOR FOR INCREASING URIC ACID EXCRETION**

[54] **INHIBITEUR DE L'URAT1 STIMULANT L'EXCRETION URINAIRE**

[72] SHI, DONGFANG, CN
[72] ZHU, JIANGHUA, CN
[72] GU, JIE, CN
[72] CHENG, XI, CN
[72] YANG, YAN, CN
[72] ZHOU, HE, CN
[72] LI, PENGFEI, CN
[72] WU, FAN, CN
[73] JIANGSU ATOM BIOSCIENCE AND PHARMACEUTICAL CO., LTD., CN
[85] 2019-12-09
[86] 2018-05-25 (PCT/CN2018/088400)
[87] (WO2018/214961)
[30] CN (201710386922.4) 2017-05-26

[11] **3,066,717**
[13] C

[51] **Int.Cl. C07D 405/06 (2006.01) A61K 31/343 (2006.01) A61K 31/428 (2006.01) A61K 31/496 (2006.01) C07D 413/06 (2006.01) C07D 417/06 (2006.01)**

[25] EN

[54] **SIRT 1 ACTIVATOR AND MEDICINAL USE THEREOF**

[54] **ACTIVATEUR DU SIRT1 ET UTILISATION MEDICALE**

[72] MOON, HYUNG RYONG, KR
[72] CHUNG, HAE YOUNG, KR
[72] AN, HYE JIN, KR
[72] SON, SU JIN, KR
[72] KIM, DO HYUN, KR
[73] PUSAN NATIONAL UNIVERSITY INDUSTRY-UNIVERSITY COOPERATION FOUNDATION, KR
[85] 2019-12-09
[86] 2018-04-18 (PCT/KR2018/004502)
[87] (WO2018/194372)
[30] KR (10-2017-0049956) 2017-04-18

[11] **3,066,834**
[13] C

[51] **Int.Cl. A61M 5/158 (2006.01) A61M 5/162 (2006.01) A61M 5/32 (2006.01)**

[25] EN

[54] **NEEDLE SHIELDING ASSEMBLIES AND INFUSION DEVICES FOR USE THEREWITH**

[54] **ENSEMBLES DE PROTECTION D'AIGUILLE ET DISPOSITIFS DE PERFUSION A UTILISER AVEC CEUX-CI**

[72] BENE, ERIC, US
[72] SEARLE, GARY, US
[72] RICHARDS, STEPHEN, US
[72] POLITIS, VICTOR, US
[72] SONDEREGGER, RALPH, US
[73] BECTON, DICKINSON AND COMPANY, US
[86] (3066834)
[87] (3066834)
[22] 2012-12-07
[62] 3,012,939
[30] US (61/568,074) 2011-12-07
[30] US (61/692,985) 2012-08-24

[11] **3,067,900**
[13] C

[51] **Int.Cl. B22D 11/049 (2006.01) B22D 11/05 (2006.01) B22D 11/055 (2006.01) B22D 11/16 (2006.01)**

[25] EN

[54] **DYNAMIC MOLD SHAPE CONTROL FOR DIRECT CHILL CASTING**

[54] **COMMANDE DE FORME DE MOULE DYNAMIQUE DESTINEE A UNE COULEE DIRECTE EN COQUILLE**

[72] CORDILL, CRAIG RICHARD, US
[72] SHABER, CRAIG LEE, US
[72] ANDERSON, MICHAEL KIM, US
[73] WAGSTAFF, INC., US
[85] 2019-11-29
[86] 2018-06-11 (PCT/IB2018/054214)
[87] (WO2018/229634)
[30] US (15/619,866) 2017-06-12

[11] **3,068,668**
[13] C

[51] **Int.Cl. H04H 20/95 (2009.01) H04H 40/27 (2009.01) H04L 69/22 (2022.01)**

[25] EN

[54] **APPARATUS FOR TRANSMITTING BROADCAST SIGNALS, APPARATUS FOR RECEIVING BROADCAST SIGNALS, METHOD FOR TRANSMITTING BROADCAST SIGNALS AND METHOD FOR RECEIVING BROADCAST SIGNALS**

[54] **APPAREIL D'EMISSION DE SIGNAUX DE DIFFUSION, APPAREIL DE RECEPTION DE SIGNAUX DE DIFFUSION, PROCEDE D'EMISSION DE SIGNAUX DE DIFFUSION ET PROCEDE DE RECEPTION DE SIGNAUX DE DIFFUSION**

[72] KWON, WOOSUK, KR
[72] OH, SEJIN, KR
[72] KO, WOOSUK, KR
[72] HONG, SUNGRYONG, KR
[72] MOON, KYOUNGSOO, KR
[73] LG ELECTRONICS INC., KR
[86] (3068668)
[87] (3068668)
[22] 2014-08-19
[62] 2,920,760
[30] US (61/867,163) 2013-08-19

[11] **3,068,896**
[13] C

[51] **Int.Cl. H02J 7/00 (2006.01)**

[25] EN

[54] **BATTERY SUPPLY CIRCUITS, DEVICES TO BE CHARGED, AND CHARGING CONTROL METHODS**

[54] **CIRCUITS D'ALIMENTATION DE BATTERIE, DISPOSITIFS A CHARGER ET PROCEDES DE CONTROLE DE CHARGE**

[72] CHEN, SHEBIAO, CN
[72] ZHANG, JUN, CN
[72] ZHANG, JIALIANG, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-01-31
[86] 2018-12-21 (PCT/CN2018/122795)
[87] (WO2020/124588)

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[11] **3,069,050**
[13] C

[51] **Int.Cl. C23F 17/00 (2006.01) H01M 50/50 (2021.01) C22B 5/12 (2006.01) C22F 1/18 (2006.01) C23C 10/28 (2006.01) C25D 9/10 (2006.01) H01B 1/02 (2006.01)**

[25] EN

[54] **LOW INTERFACIAL CONTACT RESISTANCE MATERIAL, USE THEREOF AND METHOD OF PRODUCING SAID MATERIAL**

[54] **MATERIAU A FAIBLE RESISTANCE DE CONTACT INTERFACIAL, SON UTILISATION ET PROCEDE DE PRODUCTION DUDIT MATERIAU**

[72] VOM BEY, ERNST WILHELM, NL

[72] ONINK, MARCEL, NL

[72] FLECHTNER, KEN-DOMINIC, NL

[72] JANSEN, MAURICE JEAN ROBERT, NL

[73] HILLE & MULLER GMBH, DE

[85] 2020-01-06

[86] 2018-07-10 (PCT/EP2018/068698)

[87] (WO2019/011932)

[30] EP (17180863.7) 2017-07-12

[11] **3,069,513**
[13] C

[51] **Int.Cl. A63G 31/00 (2006.01) E06B 9/06 (2006.01) E06B 11/02 (2006.01)**

[25] EN

[54] **RETRACTABLE GATE SYSTEM**

[54] **SYSTEME DE PORTE ESCAMOTABLE**

[72] MADDAMMA, MICHAEL, US

[73] UNIVERSAL CITY STUDIOS LLC, US

[85] 2020-01-09

[86] 2018-07-10 (PCT/US2018/041466)

[87] (WO2019/018162)

[30] US (15/655,575) 2017-07-20

[11] **3,070,134**
[13] C

[51] **Int.Cl. A47J 42/38 (2006.01) A47J 42/40 (2006.01)**

[25] FR

[54] **CONDIMENT MILL**

[54] **MOULIN A PRODUITS CONDIMENTAIRES**

[72] BROUILLAC, NICOLAS, FR

[72] SAVATIER, SAMUEL, FR

[72] CARRIER, GAETAN, FR

[73] PEUGEOT SAVEURS SNC, FR

[86] (3070134)

[87] (3070134)

[22] 2020-01-28

[30] FR (19 00762) 2019-01-29

[11] **3,070,619**
[13] C

[51] **Int.Cl. C08K 5/5397 (2006.01) B33Y 70/00 (2020.01) C08F 2/50 (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] FISHER, JOHN P., US

[72] DEAN, H. DAVID, US

[72] SIBLANI, AL, US

[72] MOTT, ERIC J., US

[72] WANG, MARTHA O., US

[72] MIKOS, ANTONIOS G., US

[73] FISHER, JOHN P., US

[73] DEAN, H. DAVID, US

[73] SIBLANI, AL, US

[73] MOTT, ERIC J., US

[73] WANG, MARTHA O., US

[73] MIKOS, ANTONIOS G., US

[86] (3070619)

[87] (3070619)

[22] 2013-12-02

[62] 2,892,893

[30] US (61/731,843) 2012-11-30

[30] US (13/817,612) 2013-07-26

[11] **3,070,693**
[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, US

[86] (3070693)

[87] (3070693)

[22] 2016-07-21

[62] 2,936,858

[30] US (62/195476) 2015-07-22

[11] **3,070,719**
[13] C

[51] **Int.Cl. E04D 1/30 (2006.01) B05C 17/10 (2006.01) B25B 27/00 (2006.01) B66F 15/00 (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] **TOOL FOR LIFTING BOTTOM EDGE OF SHINGLE**

[54] **OUTIL POUR LEVER LE BORD INFERIEUR D'UN BARDEAU**

[72] MATHIESON, THOMAS R., US

[73] MATHIESON, THOMAS R., US

[86] (3070719)

[87] (3070719)

[22] 2017-01-27

[62] 3,017,669

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[11] **3,070,983**
[13] C
[51] **Int.Cl. H02G 3/02 (2006.01) H01H 9/00 (2006.01) H01R 4/66 (2006.01) H01R 13/46 (2006.01)**
[25] EN
[54] **BRACKET, FUNCTIONAL MODULE, MOUNTING METHOD OF ELECTRICAL DEVICE AND THE ELECTRICAL DEVICE**
[54] **SUPPORT, MODULE FONCTIONNEL, PROCEDE DE MONTAGE D'UN DISPOSITIF ELECTRIQUE ET LE DISPOSITIF ELECTRIQUE**
[72] ZHANG, DAHAI, CN
[72] MA, ZHEN, CN
[72] SHANG, PEI, CN
[73] SCHNEIDER ELECTRIC (AUSTRALIA) PTY LTD., AU
[86] (3070983)
[87] (3070983)
[22] 2020-02-05
[30] US (16/266820) 2019-02-04

[11] **3,071,170**
[13] C
[51] **Int.Cl. A62C 37/50 (2006.01) A62C 35/68 (2006.01)**
[25] EN
[54] **SUPPRESSANT DETECTION BASED ON CAPACITIVE SENSING**
[54] **DETECTION D'AGENT EXTINCTEUR EN FONCTION DE CAPTEUR CAPACITIF**
[72] SORATKAL, SREERAMYA, IN
[73] CARRIER CORPORATION, US
[86] (3071170)
[87] (3071170)
[22] 2020-02-04
[30] IN (201911007926) 2019-02-28

[11] **3,071,356**
[13] C
[51] **Int.Cl. G02B 6/36 (2006.01) B08B 1/00 (2006.01)**
[25] EN
[54] **CLEANING TOOL**
[54] **OUTIL DE NETTOYAGE**
[72] NAKANE, JUNICHI, JP
[73] FUJIKURA LTD., JP
[85] 2020-01-28
[86] 2018-05-31 (PCT/JP2018/020950)
[87] (WO2019/049441)
[30] JP (2017-172028) 2017-09-07
[30] JP (2017-172037) 2017-09-07

[11] **3,071,383**
[13] C
[51] **Int.Cl. C12N 15/13 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C12N 5/10 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTI-CD137 ANTIBODIES**
[54] **ANTICORPS ANTI-CD137**
[72] FRYE, CHRISTOPHER CARL, US
[72] KALOS, MICHAEL DEWAIN, US
[72] KOTANIDES, HELEN, US
[72] SANDEFUR, STEPHANIE LYNN, US
[73] ELI LILLY AND COMPANY, US
[85] 2020-01-28
[86] 2018-07-25 (PCT/US2018/043632)
[87] (WO2019/027754)
[30] US (62/539,687) 2017-08-01

[11] **3,072,088**
[13] C
[51] **Int.Cl. E06B 9/322 (2006.01) E06B 9/24 (2006.01) E06B 9/262 (2006.01)**
[25] EN
[54] **CONTROL FOR MOVABLE RAIL**
[54] **COMMANDE DESTINEE A UN RAIL MOBILE**
[72] ANDERSON, RICHARD N., US
[72] THOMPSON, EUGENE W., US
[72] HAARER, STEVEN R., US
[73] HUNTER DOUGLAS INC., US
[86] (3072088)
[87] (3072088)
[22] 2012-03-06
[62] 2,828,421
[30] US (61/449,877) 2011-03-07
[30] US (13/404,874) 2012-02-24

[11] **3,072,556**
[13] C
[51] **Int.Cl. F04B 9/14 (2006.01) A47K 5/12 (2006.01) B05B 11/00 (2006.01) B65D 47/34 (2006.01)**
[25] EN
[54] **LOTION PUMP**
[54] **POMPE A LOTION**
[72] LIANG, JINKAO, CN
[73] MAJESTY PACKAGING SYSTEMS LIMITED, CN
[85] 2020-02-13
[86] 2019-08-26 (PCT/CN2019/102546)
[87] (WO2020/043053)
[30] CN (201821392783.2) 2018-08-27

[11] **3,073,120**
[13] C
[51] **Int.Cl. C03C 17/00 (2006.01) C03C 17/32 (2006.01) C03C 17/34 (2006.01) C09D 4/00 (2006.01) C09D 4/06 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR THE PRODUCTION OF GLASS COATINGS BY WAY OF INKJET PRINTING METHODS AND USE THEREOF**
[54] **COMPOSITIONS PERMETTANT DE REALISATION DE REVETEMENTS EN VERRE PAR UN PROCEDE D'IMPRESSON A JET D'ENCRE ET LEUR UTILISATION**
[72] DE ROSSI, UMBERTO, DE
[72] BOLENDER, OLIVER, DE
[72] STEFFEN, TIMO, DE
[73] MANKIEWICZ GEBR. & CO. (GMBH & CO. KG), DE
[85] 2020-02-14
[86] 2018-08-14 (PCT/DE2018/100710)
[87] (WO2019/047993)
[30] DE (10 2017 008 457.2) 2017-09-10

[11] **3,073,339**
[13] C
[51] **Int.Cl. A41D 1/00 (2018.01) A41D 1/08 (2018.01) A41D 7/00 (2006.01)**
[25] EN
[54] **ATHLETIC GARMENT FOR CYCLING**
[54] **VETEMENT D'ATHLETISME POUR CYCLISME**
[72] HOVERTER, LORI, US
[72] MILLER, MELODIE, US
[72] REHFELDT, KEEGAN, US
[73] DASHAMERICA, INC. D.B.A. PEARL IZUMI USA, INC., US
[85] 2020-02-18
[86] 2018-09-10 (PCT/US2018/050293)
[87] (WO2019/055353)
[30] US (15/702,592) 2017-09-12

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[11] **3,073,664**
[13] C

[51] **Int.Cl. B65B 3/04 (2006.01) A63H 27/10 (2006.01) B65B 3/17 (2006.01)**

[25] EN

[54] **APPARATUS, SYSTEM AND METHOD FOR FILLING CONTAINERS WITH FLUIDS**

[54] **APPAREIL, SYSTEME ET PROCEDE POUR REMPLIR DES RECIPIENTS DE FLUIDES**

[72] MALONE, JOSHUA, US

[73] TINNUS ENTERPRISES, LLC, US

[86] (3073664)

[87] (3073664)

[22] 2015-03-10

[62] 2,938,941

[30] US (14/492,487) 2014-09-22

[11] **3,074,090**
[13] C

[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

[73] HOWMET AEROSPACE INC., US

[86] (3074090)

[87] (3074090)

[22] 2013-07-15

[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

[11] **3,074,135**
[13] C

[51] **Int.Cl. E21B 47/09 (2012.01) E21B 47/007 (2012.01) E21B 44/00 (2006.01)**

[25] EN

[54] **STUCK PIPE DETECTION**

[54] **DETECTION DE TUYAU COINCE**

[72] WESLEY, AVINASH, US

[72] YU, PETER C., US

[73] LANDMARK GRAPHICS CORPORATION, US

[86] (3074135)

[87] (3074135)

[22] 2014-11-05

[62] 2,962,894

[11] **3,074,327**
[13] C

[51] **Int.Cl. G01S 7/521 (2006.01) B63B 7/02 (2020.01) B63G 8/39 (2006.01) B63G 8/42 (2006.01)**

[25] EN

[54] **TOWABLE SUBMERSIBLE DEVICE**

[54] **DISPOSITIF SUBMERSIBLE REMORQUABLE**

[72] NAMS, JANIS, CA

[72] CUNNINGHAM, DAN, CA

[72] YEATMAN, PAUL, CA

[72] ARMSTRONG, BRUCE A., CA

[73] GEOSPECTRUM TECHNOLOGIES INC, CA

[85] 2020-02-28

[86] 2018-08-28 (PCT/CA2018/051034)

[87] (WO2019/041031)

[30] US (62/553,427) 2017-09-01

[11] **3,074,794**
[13] C

[51] **Int.Cl. C07D 321/10 (2006.01) C07D 405/06 (2006.01) C07D 405/12 (2006.01) C07D 473/18 (2006.01)**

[25] EN

[54] **METHOD FOR PREPARING CYCLOPROPANE DERIVATIVES**

[54] **PROCEDE DE PREPARATION DE DERIVES DE CYCLOPROPANE**

[72] KISS, ELEONORA, BE

[72] BLOMSMA, ERWIN, BE

[72] DE BRUIJN, SERGE, NL

[72] LITJENS, E.J.N. REMY, NL

[73] ARATANA THERAPEUTICS, INC., US

[86] (3074794)

[87] (3074794)

[22] 2011-11-10

[62] 2,854,656

[11] **3,074,800**
[13] C

[51] **Int.Cl. C07K 7/06 (2006.01) A61K 38/08 (2019.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01) C07K 1/06 (2006.01)**

[25] EN

[54] **PEPTIDE WITH ANTI-OBESITY AND ANTI-DIABETES ACTIVITY AND USE THEREOF**

[54] **PEPTIDE AYANT DES EFFETS ANTI-DIABETIQUES ET ANTI-OBESITE, ET SON UTILISATION**

[72] CHUNG, YONG JI, KR

[72] KIM, EUN MI, KR

[73] CAREGEN CO., LTD., KR

[86] (3074800)

[87] (3074800)

[22] 2015-05-12

[62] 2,984,287

[30] KR (10-2015-0059648) 2015-04-28

[11] **3,075,033**
[13] C

[51] **Int.Cl. E02D 17/18 (2006.01) E02D 17/20 (2006.01)**

[25] EN

[54] **GEOCELL FOR MODERATE AND LOW LOAD APPLICATIONS**

[54] **GEOCELLULE POUR DES APPLICATIONS DE CHARGE MODEREE ET FAIBLE**

[72] EREZ, ODED, IL

[72] EREZ, ADI, IL

[72] HALAHMI, IZHAR, IL

[73] GEOTECH TECHNOLOGIES LTD., IL

[86] (3075033)

[87] (3075033)

[22] 2012-03-02

[62] 2,864,152

[30] US (61/597,652) 2012-02-10

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[11] **3,075,139**
[13] C

[51] **Int.Cl. G01N 33/48 (2006.01) G01N 31/20 (2006.01) G01N 33/52 (2006.01) G01N 35/02 (2006.01)**

[25] EN

[54] **DROPLET-BASED ASSAY SYSTEM**

[54] **SYSTEME DE DOSAGE BASE SUR DES GOUTTELETTES**

[72] COLSTON, BILLY WAYNE, JR., US

[72] HINDSON, BENJAMIN JOSEPH, US

[72] NESS, KEVIN DEAN, US

[72] MASQUELIER, DONALD ARTHUR, US

[72] MILANOVICH, FRED PAUL, US

[72] MODLIN, DOUGLAS N., US

[72] RIOT, VINCENT, US

[72] BURD, SAMUEL, US

[72] MAKAREWICZ, ANTHONY JOSEPH, JR., US

[72] BELGRADER, PHILLIP, US

[73] **BIO-RAD LABORATORIES, INC., US**

[86] (3075139)

[87] (3075139)

[22] 2009-09-23

[62] 2,738,578

[30] US (61/194,043) 2008-09-23

[30] US (61/206,975) 2009-02-05

[30] US (61/271,538) 2009-07-21

[30] US (61/275,731) 2009-09-01

[30] US (61/277,249) 2009-09-21

[30] US (61/277,200) 2009-09-21

[30] US (61/277,204) 2009-09-21

[30] US (61/277,216) 2009-09-21

[30] US (61/277,203) 2009-09-21

[30] US (61/277,270) 2009-09-22

[11] **3,075,140**
[13] C

[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/145 (2006.01)**

[25] EN

[54] **TRANSCUTANEOUS ANALYTE SENSORS, APPLICATORS THEREFOR, AND ASSOCIATED METHODS**

[54] **CAPTEURS D'ANALYTES TRANSCUTANES, APPLICATEURS ET PROCEDES ASSOCIES**

[72] PRYOR, JACK, US

[72] BOHM, SEBASTIAN, US

[72] DERENZY, DAVID, US

[72] HALAC, JASON, US

[72] KLINE, DANIEL S., US

[72] LIEU, PHONG, US

[72] LIVINGSTON, ADAM J., US

[72] MASTERTON, STEVE, US

[72] NEALE, PAUL V., US

[72] SIMPSON, PETER C., US

[72] UBACH, ANTONIO JOAO, US

[73] **DEXCOM, INC., US**

[86] (3075140)

[87] (3075140)

[22] 2013-04-03

[62] 2,866,153

[30] US (61/620,152) 2012-04-04

[30] US (13/830,540) 2013-03-14

[30] US (13/826,372) 2013-03-14

[30] US (13/829,722) 2013-03-14

[11] **3,075,359**
[13] C

[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/172 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR CONTROLLING AN INFUSION PUMP**

[54] **PROCEDES ET SYSTEMES POUR COMMANDER UNE POMPE D'INFUSION**

[72] BRYANT, ROBERT J., JR., US

[72] SPENCER, GEOFFREY P., US

[72] MANDRO, MARC A., US

[72] ARMSTRONG, PATRICIA M., US

[73] **DEKA PRODUCTS LIMITED PARTNERSHIP, US**

[86] (3075359)

[87] (3075359)

[22] 2009-04-01

[62] 2,930,689

[30] US (61/041,291) 2008-04-01

[30] US (61/165,592) 2009-04-01

[11] **3,075,392**
[13] C

[51] **Int.Cl. B26B 3/00 (2006.01)**

[25] EN

[54] **BAG CUTTER AND PIERCER**

[54] **COUPE-SACS ET DISPOSITIF DE PERCAGE DE SACS**

[72] VOTOLATO, EARL, US

[73] **SPELLBOUND DEVELOPMENT GROUP, INC., US**

[86] (3075392)

[87] (3075392)

[22] 2013-07-10

[62] 2,820,690

[30] US (13/546,212) 2012-07-11

[30] US (13/653,920) 2012-10-17

[11] **3,076,077**
[13] C

[51] **Int.Cl. A61M 5/158 (2006.01) A61M 5/32 (2006.01)**

[25] EN

[54] **INSULIN PUMP DERMAL INFUSION SET HAVING PARTIALLY INTEGRATED MECHANIZED CANNULA INSERTION WITH DISPOSABLE ACTIVATION PORTION**

[54] **ENSEMBLE DE PERFUSION DERMIQUE POUR POMPE A INSULINE EQUIPE D'UN MECANISME D'INSERTION DE CANULE PARTIELLEMENT INTEGRE AVEC ELEMENT D'ACTIVATION JETABLE**

[72] COLE, RUSSELL, US

[72] KADAMUS, CHRIS, US

[72] IRWIN, STEVE, US

[72] ROUX, SERGE, US

[72] BENE, ERIC, US

[73] **BECTON, DICKINSON AND COMPANY, US**

[86] (3076077)

[87] (3076077)

[22] 2011-11-29

[62] 3,016,042

[30] US (61/344,966) 2010-11-30

[30] US (61/457,033) 2010-12-13

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[11] **3,076,442**
[13] C

[51] **Int.Cl. F24F 11/63 (2018.01) F24F 11/84 (2018.01) F24D 3/02 (2006.01) F24D 19/10 (2006.01) G05D 23/19 (2006.01)**

[25] EN

[54] **SELF-REGULATING ADJUSTMENT DEVICE FOR A FLOW CONTROL VALVE, A TEMPERATURE CONTROL SYSTEM AND A DISTRIBUTOR DEVICE HAVING THE SAME, AND ASSOCIATED METHODS**

[54] **DISPOSITIF DE REGLAGE AUTOREGULATEUR POUR UNE SOUPE DE REGULATION DE DEBIT, SYSTEME DE MISE EN TEMPERATURE EN TANT QU'UN DISPOSITIF DE DISTRIBUTION POURVU DUDIT DISPOSITIF DE RE GLAGE AINSI QUE PROCEDES CORRESPONDANTS**

[72] STRAUB, THOMAS, DE
[72] STRAUB, PHILIPP, DE
[73] EUT EDELSTAHL UMFORMTECHNIK GMBH, DE
[85] 2020-03-19
[86] 2018-10-09 (PCT/EP2018/077418)
[87] (WO2019/072813)
[30] DE (10 2017 123 560.4) 2017-10-10

[11] **3,076,596**
[13] C

[51] **Int.Cl. E21B 47/12 (2012.01) H04B 7/24 (2006.01)**

[25] EN

[54] **OFFSHORE DOWNHOLE TELEMETRY USING SEA FLOOR CABLE**

[54] **TELEMESURE EN PROFONDEUR DE FORAGE EN MER A L'AIDE D'UN CABLE DE FOND MARIN**

[72] WILSON, GLENN ANDREW, SG
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-03-20
[86] 2017-11-08 (PCT/US2017/060512)
[87] (WO2019/093999)

[11] **3,077,076**
[13] C

[51] **Int.Cl. E03D 9/16 (2006.01) E03D 1/14 (2006.01) E03D 1/30 (2006.01) E03D 9/00 (2006.01)**

[25] EN

[54] **PRIMED SIPHONIC FLUSH TOILET**

[54] **TOILETTES A CHASSE D'EAU A ACTION SIPHONIQUE AMORCEE**

[72] MCHALE, JAMES, US
[72] BUCHER, CHRISTOPHE, US
[72] GROVER, DAVID, US
[73] AS AMERICA, INC., US
[86] (3077076)
[87] (3077076)
[22] 2013-11-13
[62] 2,891,337
[30] US (61/725,832) 2012-11-13
[30] US (61/810,664) 2013-04-10

[11] **3,077,238**
[13] C

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01)**

[25] EN

[54] **4,6,7-TRISUBSTITUTED 1,2-DIHYDROPYRROLO[3,4-C]PYRIDIN/PYRIMIDIN-3-ONE DERIVATIVES AND USES THEREOF**

[54] **DERIVE 4,6,7-TRISUBSTITUE DE 1,2-DIHYDROPYRROLO[3,4-C]PYRIDIN/PYRIMIDIN-3-ONE ET SON UTILISATION**

[72] GUO, SHUCHUN, CN
[72] ZHOU, FUSHENG, CN
[72] CHEN, XIANG, CN
[72] ZHAO, JINZHU, CN
[72] HUANG, DONG, CN
[72] XIE, JING, CN
[72] QIAO, CHANGJIANG, CN
[72] HE, WAN, CN
[72] ZHANG, KAI, CN
[72] CHEN, XI, CN
[72] LAN, JIONG, CN
[73] SHANGHAI HAIYAN PHARMACEUTICAL TECHNOLOGY CO., LTD., CN
[73] YANGTZE RIVER PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2020-03-27
[86] 2018-08-03 (PCT/CN2018/098481)
[87] (WO2019/062329)
[30] CN (201710897909.5) 2017-09-28

[11] **3,077,929**
[13] C

[51] **Int.Cl. A01C 7/08 (2006.01)**

[25] EN

[54] **AGRICULTURAL ROW UNIT SYSTEMS, METHODS, AND APPARATUS**

[54] **SYSTEMES, PROCEDES ET APPAREIL POUR UNE UNITE DE RANGEE AGRICOLE**

[72] LEVY, KENT, US
[72] HODEL, JEREMY, US
[72] RADTKE, IAN, US
[73] PRECISION PLANTING LLC, US
[86] (3077929)
[87] (3077929)
[22] 2013-10-24
[62] 2,889,166
[30] US (61/718,051) 2012-10-24

[11] **3,077,931**
[13] C

[51] **Int.Cl. A01C 7/08 (2006.01) A01C 7/20 (2006.01)**

[25] EN

[54] **AGRICULTURAL ROW UNIT SYSTEMS, METHODS, AND APPARATUS**

[54] **SYSTEMES, PROCEDES ET APPAREIL POUR UNE UNITE DE RANGEE AGRICOLE**

[72] LEVY, KENT, US
[72] HODEL, JEREMY, US
[72] RADTKE, IAN, US
[73] PRECISION PLANTING LLC, US
[86] (3077931)
[87] (3077931)
[22] 2013-10-24
[62] 2,889,166
[30] US (61/718,051) 2012-10-24

[11] **3,077,967**
[13] C

[51] **Int.Cl. B65D 5/30 (2006.01)**

[25] EN

[54] **TRAY FOR SUPPORTING CONTAINERS AND A BLANK FOR MAKING THE SAME**

[54] **PLATEAU POUR SOUTENIR DES CONTENANTS ET UNE EBAUCHE POUR LE FABRIQUER**

[72] BAHR, DAVE WAYNE, US
[73] ROCK-TENN SHARED SERVICES, LLC, US
[86] (3077967)
[87] (3077967)
[22] 2012-04-25
[62] 2,775,454
[30] US (13/094,398) 2011-04-26

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April 12, 2022

[11] **3,077,972**
[13] C
[51] **Int.Cl. G01N 1/00 (2006.01)**
[25] EN
[54] **SAMPLE CONTAINERS ADAPTED FOR ACOUSTIC EJECTIONS AND SAMPLE PRESERVATION AND METHODS THEREOF**
[54] **RECIPIENTS A ECHANTILLON APPROPRIES POUR LES EJECTIONS ACOUSTIQUES ET LA PRESERVATION DES ECHANTILLONS, ET PROCEDES DE PRESERVATION DES ECHANTILLONS.**
[72] ELLSON, RICHARD N., US
[72] OLECHNO, JOSEPH D., US
[72] KUIMELIS, ROBERT G., US
[73] LABCYTE INC., US
[86] (3077972)
[87] (3077972)
[22] 2012-04-27
[62] 2,834,398
[30] US (61/479,985) 2011-04-28

[11] **3,078,052**
[13] C
[51] **Int.Cl. E06B 3/06 (2006.01) E06B 9/52 (2006.01)**
[25] EN
[54] **FENESTRATION TRIM ASSEMBLY**
[54] **ENSEMBLE ENCADREMENT DE FENETRE**
[72] MASSEY, VICTOR, US
[73] MILGARD MANUFACTURING LLC, DE
[86] (3078052)
[87] (3078052)
[22] 2014-04-14
[62] 2,907,686
[30] US (61/811,725) 2013-04-13

[11] **3,078,701**
[13] C
[51] **Int.Cl. B60P 3/035 (2006.01) B60P 1/28 (2006.01) B62D 63/06 (2006.01) B65H 49/32 (2006.01) B65H 49/38 (2006.01) B65H 75/42 (2006.01) E21B 19/00 (2006.01) E21B 19/14 (2006.01)**
[25] EN
[54] **PIPE DEPLOYMENT TRAILER**
[54] **REMORQUE DE POSE DE TUYAU**
[72] WHITE, CHRISTOPHER, US
[72] HELBING, KYLE, US
[72] WINN, ALEXANDER LEE, US
[73] TRINITY BAY EQUIPMENT HOLDINGS, LLC, US
[86] (3078701)
[87] (3078701)
[22] 2016-04-08
[62] 3,020,274

[11] **3,079,084**
[13] C
[51] **Int.Cl. F01D 5/20 (2006.01) F04D 29/32 (2006.01) F04D 29/66 (2006.01)**
[25] EN
[54] **COMPRESSOR AEROFOIL**
[54] **AUBE DE COMPRESSEUR**
[72] BRUNI, GIUSEPPE, GB
[72] KRISHNABABU, SENTHIL, GB
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2020-04-14
[86] 2018-10-23 (PCT/EP2018/078972)
[87] (WO2019/081471)
[30] EP (17198613.6) 2017-10-26

[11] **3,080,031**
[13] C
[51] **Int.Cl. C07D 417/14 (2006.01)**
[25] EN
[54] **PRODUCTION METHOD OF THIAZOLE DERIVATIVE**
[54] **PROCEDE DE PRODUCTION D'UN DERIVE THIAZOLE**
[72] SUGITA, TAKAMASA, JP
[72] YANAGISAWA, ARATA, JP
[72] CHUJO, IWAO, JP
[72] TAGA, MASASHI, JP
[72] MIMURA, AKIHIRO, JP
[72] TADA, ATSUSHI, JP
[72] AOKI, MASASHI, JP
[73] KYOWA KIRIN CO., LTD., JP
[86] (3080031)
[87] (3080031)
[22] 2016-01-08
[62] 2,972,746
[30] JP (2015-002964) 2015-01-09

[11] **3,080,082**
[13] C
[51] **Int.Cl. B65B 35/24 (2006.01) B65B 35/38 (2006.01) B65B 35/58 (2006.01)**
[25] EN
[54] **CUP FEEDER**
[54] **DISPOSITIF POUR FAIRE AVANCER DES TASSES**
[72] LUKES, MATTHEW R., US
[72] BRUGGER, JEROME, US
[73] R.A. JONES & CO., US
[86] (3080082)
[87] (3080082)
[22] 2012-11-05
[62] 2,854,474
[30] US (61/628,753) 2011-11-04
[30] US (13/667,528) 2012-11-02

[11] **3,080,997**
[13] C
[51] **Int.Cl. E06B 1/52 (2006.01)**
[25] EN
[54] **A DOOR FRAME AND A DOOR FRAME COMPONENT THEREOF**
[54] **ENCADREMENT DE PORTE ET SA COMPOSANTE**
[72] WANG, KUEI-YUNG, CN
[73] NAN YA PLASTICS CORPORATION, CN
[86] (3080997)
[87] (3080997)
[22] 2020-05-15

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12 avril 2022

[11] **3,081,033**
[13] C

[51] **Int.Cl. C07D 407/04 (2006.01) C07H 17/04 (2006.01) C07H 7/06 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING DIPHENYLMETHANE DERIVATIVE**

[54] **PROCEDE DE PRODUCTION D'UN DERIVE DE DIPHENYLMETHANE**

[72] CHOI, SOONGYU, KR
[72] KIM, MIN JU, KR
[72] KONG, YOUNGGYU, KR
[72] PARK, EUN-JUNG, KR
[72] PARK, SE-HWAN, KR
[72] PARK, SO OK, KR
[72] SEO, HEE JEONG, KR
[72] SONG, KWANG-SEOP, KR
[72] YOON, HEE-KYOON, KR
[72] YOON, JI-SUNG, KR
[73] DAEWOONG PHARMACEUTICAL CO., LTD., KR
[73] GREEN CROSS CORPORATION, KR
[86] (3081033)
[87] (3081033)
[22] 2017-06-15
[62] 3,026,756
[30] KR (10-2016-0075910) 2016-06-17

[11] **3,081,381**
[13] C

[51] **Int.Cl. A61F 5/56 (2006.01) A61C 7/08 (2006.01) A61M 16/00 (2006.01) A61M 16/06 (2006.01)**

[25] EN

[54] **APPARATUS FOR IMPROVED BREATHING**

[54] **APPAREIL POUR L'AMELIORATION DE LA RESPIRATION**

[72] MC AULEY, ALASTAIR EDWIN, NZ
[72] THORNTON, W. KEITH, US
[73] AIRWAY TECHNOLOGIES, LLC, US
[86] (3081381)
[87] (3081381)
[22] 2012-04-05
[62] 3,040,441
[30] US (13/080,050) 2011-04-05
[30] US (13/080,103) 2011-04-05
[30] US (13/080,167) 2011-04-05

[11] **3,082,348**
[13] C

[51] **Int.Cl. B02C 19/00 (2006.01) B02C 23/14 (2006.01) C22B 1/00 (2006.01)**

[25] EN

[54] **A METHOD FOR MINING AND PROCESSING OF AN ORE**

[54] **PROCEDE D'EXPLOITATION MINIERE ET DE TRAITEMENT D'UN MINERAL**

[72] FILMER, ANTHONY OWEN, AU
[72] ALEXANDER, DANIEL JOHN, GB
[73] ANGLO AMERICAN TECHNICAL & SUSTAINABILITY SERVICES LTD, GB
[85] 2020-05-08
[86] 2018-06-29 (PCT/IB2018/054844)
[87] (WO2019/097313)
[30] GB (1718881.4) 2017-11-15

[11] **3,083,136**
[13] C

[51] **Int.Cl. C01G 53/04 (2006.01) B01D 61/42 (2006.01) C01B 13/14 (2006.01) C01D 15/02 (2006.01) C01G 45/02 (2006.01) C01G 51/04 (2006.01)**

[25] EN

[54] **PROCESSES FOR PREPARING HYDROXIDES AND OXIDES OF VARIOUS METALS AND DERIVATIVES THEREOF**

[54] **PROCEDES DE PREPARATION D'HYDROXYDES ET D'OXYDES DE DIVERS METAUX ET LEURS DERIVES**

[72] BOURASSA, GUY, CA
[72] MAGNAN, JEAN-FRANCOIS, CA
[72] LAROCHE, NICOLAS, CA
[72] BIBIENNE, THOMAS, CA
[72] CHARBONNEAU, MATHIEU, CA
[72] DOLLE, MICKAEL, CA
[73] NEMASKA LITHIUM INC., CA
[85] 2020-05-21
[86] 2018-11-22 (PCT/CA2018/051487)
[87] (WO2019/100159)
[30] US (62/590,260) 2017-11-22
[30] US (62/735,013) 2018-09-21

[11] **3,083,229**
[13] C

[51] **Int.Cl. C03B 35/04 (2006.01) C03B 40/00 (2006.01)**

[25] EN

[54] **GLASS MANUFACTURING APPARATUS AND METHOD**

[54] **APPAREIL ET PROCEDE DE FABRICATION DE VERRE**

[72] SCARDINO, DEAN, US
[73] GERRESHEIMER GLASS INC., US
[85] 2020-05-20
[86] 2019-05-02 (PCT/US2019/030402)
[87] (WO2020/023097)
[30] US (62/702,032) 2018-07-23
[30] US (16/206,567) 2018-11-30

[11] **3,084,884**
[13] C

[51] **Int.Cl. B65B 11/58 (2006.01) B65B 11/00 (2006.01) B65B 11/04 (2006.01) B65B 49/08 (2006.01) B65B 51/06 (2006.01) B65B 61/06 (2006.01) B65B 61/26 (2006.01)**

[25] FR

[54] **MACHINE FOR PACKAGING WITH AT LEAST ONE STERILIZATION PACKAGING MATERIAL**

[54] **MACHINE POUR L'EMBALLAGE PAR AU MOINS UN MATERIAU D'EMBALLAGE DE STERILISATION**

[72] AUFRAY, CLEMENTINE, FR
[72] SIMON, CHRISTOPHE, FR
[72] LEBRETTE, LAURENT, FR
[73] STERIMED SAS, FR
[85] 2020-06-05
[86] 2018-12-17 (PCT/EP2018/085319)
[87] (WO2019/121571)
[30] FR (1762381) 2017-12-18

**Canadian Patents Issued
April 12, 2022**

[11] **3,086,351**
[13] C

[51] **Int.Cl. H02S 40/22 (2014.01) G02B 1/11 (2015.01)**
[25] EN
[54] **SYSTEM AND METHOD OF AMPLIFYING SOLAR PANEL OUTPUT**
[54] **SYSTEME ET PROCEDE D'AMPLIFICATION D'UNE SORTIE DE PANNEAU SOLAIRE**
[72] CRAMER, GUY, CA
[73] HYPERSTEALTH BIOTECHNOLOGY CORPORATION, CA
[85] 2020-06-19
[86] 2018-12-21 (PCT/CA2018/000242)
[87] (WO2019/119108)
[30] US (62/609,425) 2017-12-22

[11] **3,086,661**
[13] C

[51] **Int.Cl. A61K 38/19 (2006.01) A61K 35/66 (2015.01) A61K 38/20 (2006.01) A61P 29/00 (2006.01) A61P 37/06 (2006.01) C07K 14/52 (2006.01) C07K 14/525 (2006.01)**
[25] EN
[54] **METHODS OF TREATING AN AUTOIMMUNE DISEASE**
[54] **METHODES DE TRAITEMENT D'UNE MALADIE AUTO-IMMUNE**
[72] GOMMERMAN, JENNIFER, CA
[72] ROJAS, OLGA, CA
[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2020-06-19
[86] 2019-08-29 (PCT/CA2019/051200)
[87] (WO2020/041885)
[30] US (62/724,714) 2018-08-30
[30] US (62/770,408) 2018-11-21

[11] **3,088,612**
[13] C

[51] **Int.Cl. C07K 16/40 (2006.01) A61K 9/00 (2006.01) A61K 9/19 (2006.01) A61K 39/395 (2006.01) A61P 27/02 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **ANTI-HTRA1 ANTIBODIES AND METHODS OF USE THEREOF**
[54] **ANTICORPS ANTI-HTR A1 ET METHODES D'UTILISATION DE CEUX-CI**
[72] FUH, GERMAINE, US
[72] KELLEY, ROBERT F., US
[72] KIRCHHOFFER, DANIEL K., US
[72] LAI, JOYCE, US
[72] LEE, CHINGWEI V., US
[72] LIANG, WEI-CHING, US
[72] LIPARI, MICHAEL T., US
[72] LOYET, KELLY M., US
[72] SAI, TAO, US
[72] VAN LOOKEREN CAMPAGNE, MENNO, US
[72] WU, YAN, US
[73] GENENTECH, INC., US
[86] (3088612)
[87] (3088612)
[22] 2016-10-27
[62] 3,001,362
[30] US (62/248,871) 2015-10-30
[30] US (62/345,669) 2016-06-03
[30] US (62/411,113) 2016-10-21

[11] **3,088,680**
[13] C

[51] **Int.Cl. B08B 15/02 (2006.01) F24F 11/39 (2018.01) F24F 3/163 (2021.01) F24F 8/95 (2021.01) B01L 1/00 (2006.01) F24C 15/20 (2006.01)**
[25] EN
[54] **DUCTLESS FUME HOOD GAS MONITORING AND DETECTION SYSTEM**
[54] **SYSTEME DE SURVEILLANCE ET DE DETECTION DE GAZ COMPRENANT UNE HOTTE D'ASPIRATION SANS CONDUIT**
[72] DOBBYN, GREGORY J., US
[73] AIRCLEAN SYSTEMS, US
[73] DOBBYN, GREGORY J., US
[86] (3088680)
[87] (3088680)
[22] 2010-08-10
[62] 3,005,260
[30] US (12/541,384) 2009-08-14

[11] **3,089,222**
[13] C

[51] **Int.Cl. B01D 53/48 (2006.01) B01D 53/22 (2006.01)**
[25] EN
[54] **SWEEP MEMBRANE SEPARATOR AND FUEL PROCESSING SYSTEMS**
[54] **SEPARATEUR A MEMBRANE AVEC BALAYAGE ET SYSTEMES DE TRAITEMENT DE COMBUSTIBLE**
[72] THORNTON, DOUGLAS A., US
[72] CONTINI, VINCENT J., US
[72] GEORGE, PAUL E., US
[73] BATTELLE MEMORIAL INSTITUTE, US
[86] (3089222)
[87] (3089222)
[22] 2012-08-31
[62] 2,846,392
[30] US (61/530,723) 2011-09-02

[11] **3,089,791**
[13] C

[51] **Int.Cl. G01N 11/00 (2006.01)**
[25] EN
[54] **AUTOMATED DRILLING FLUID ANALYZER**
[54] **ANALYSEUR AUTOMATISE DE FLUIDE DE FORAGE**
[72] STOCK, TORE, NO
[72] RONAES, EGIL, NO
[72] HILTON, THOMAS, US
[73] SCHLUMBERGER NORGE AS, NO
[86] (3089791)
[87] (3089791)
[22] 2011-02-10
[62] 2,789,299
[30] US (61/303,207) 2010-02-10
[30] US (61/308,076) 2010-02-25
[30] US (61/308,137) 2010-02-25
[30] US (61/370,541) 2010-08-04

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[11] **3,092,392**
[13] C

[51] **Int.Cl. H04N 19/52 (2014.01) H04N 19/117 (2014.01) H04N 19/124 (2014.01) H04N 19/176 (2014.01) H04N 19/59 (2014.01)**

[25] EN

[54] **METHOD OF DECODING VIDEO DATA**

[54] **METHODE DE DECODAGE DE DONNEES VIDEO**

[72] OH, SOO MI, KR

[72] YANG, MOONOCK, SG

[73] INFOBRIDGE PTE. LTD., SG

[86] (3092392)

[87] (3092392)

[22] 2012-11-02

[62] 3,039,421

[30] KR (10-2011-0115348) 2011-11-07

[11] **3,092,446**
[13] C

[51] **Int.Cl. B01D 27/08 (2006.01)**

[25] EN

[54] **CANISTER FILTER SYSTEM WITH DRAIN THAT COOPERATES WITH FILTER ELEMENT**

[54] **SYSTEME DE FILTRE A CARTOUCHE MUNI D'UN DRAIN COOPERANT AVEC L'ELEMENT FILTRANT**

[72] ALLOTT, MARK T., US

[72] OFORI-AMOAH, DAVID, US

[72] SALVADOR, CHRISTOPHER J., US

[72] HEIBENTHAL, RANDALL W., US

[72] DEEDRICH, DENNIS M., US

[72] HARDER, DAVID B., US

[72] HACKER, JOHN R., US

[72] EISENMENGER, RICHARD J., US

[73] CATERPILLAR INC., US

[73] ADVANCED FILTRATION SYSTEMS, INC., US

[73] DONALDSON COMPANY, INC., US

[86] (3092446)

[87] (3092446)

[22] 2011-09-28

[62] 3,007,828

[30] US (12/896555) 2010-10-01

[11] **3,093,236**
[13] C

[51] **Int.Cl. A61B 6/00 (2006.01) A61B 6/03 (2006.01)**

[25] EN

[54] **CALIBRATION BIAS REDUCTION IN A PRESSURIZED GAS ION CHAMBER-BASED DOSE CALIBRATOR**

[54] **REDUCTION DU BIAIS D'ETALONNAGE DANS UN ETALONNEUR DE DOSE A CHAMBRE D'IONISATION SOUS PRESSION**

[72] BHATTACHARYA, MANOJEET, US

[73] SIEMENS MEDICAL SOLUTIONS USA, INC., US

[85] 2020-09-04

[86] 2019-01-22 (PCT/US2019/014440)

[87] (WO2019/172997)

[30] US (62/639,649) 2018-03-07

[11] **3,094,383**
[13] C

[51] **Int.Cl. E01C 23/10 (2006.01)**

[25] EN

[54] **PAVEMENT REPAIR SYSTEM**

[54] **SYSTEME DE REPARATION DE PAVAGE**

[72] COE, WILLIAM B., US

[73] COE, WILLIAM B., US

[86] (3094383)

[87] (3094383)

[22] 2014-03-13

[62] 2,906,019

[30] US (61/798,469) 2013-03-15

[30] US (61/799,576) 2013-03-15

[30] US (61/799,515) 2013-03-15

[30] US (13/842,640) 2013-03-15

[30] US (61/798,090) 2013-03-15

[30] US (61/794,751) 2013-03-15

[11] **3,094,417**
[13] C

[51] **Int.Cl. H02P 27/04 (2016.01) H02J 3/00 (2006.01) H02J 13/00 (2006.01)**

[25] EN

[54] **POWER CONTROL DEVICE**

[54] **DISPOSITIF DE COMMANDE DE PUISSANCE**

[72] JASMIN, SIMON, CA

[73] SYSTEMEX-ENERGIES INC., CA

[85] 2020-09-18

[86] 2019-03-19 (PCT/CA2019/050335)

[87] (WO2019/178683)

[30] US (62/644,800) 2018-03-19

[11] **3,095,203**
[13] C

[51] **Int.Cl. G01S 13/89 (2006.01) G01S 3/46 (2006.01) G02B 6/44 (2006.01) H01Q 7/08 (2006.01) H04J 14/04 (2006.01) H04Q 9/04 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR EXTENDING PATH LENGTH OF A WAVE SIGNAL USING ANGLE MULTIPLEXING**

[54] **SYSTEME ET PROCEDE POUR ETENDRE LA LONGUEUR DE TRAJET D'UN SIGNAL D'ONDE A L'AIDE D'UN MULTIPLEXAGE D'ANGLE**

[72] MCMANAMON, PAUL FRANCIS, US

[72] DAMAGHI, DANIEL, US

[72] HARLEV, OHAD, US

[72] VEDADI-COMTE, ARMAND, US

[72] WILLNER, ALAN ELI, US

[72] PALANZO, CHARLES ROCCO, US

[72] HOWARD, RYAN JUSTIN, US

[73] LYTELOOP TECHNOLOGIES, LLC, US

[85] 2020-09-24

[86] 2019-08-09 (PCT/US2019/045825)

[87] (WO2020/033783)

[30] US (62/717,107) 2018-08-10

[11] **3,096,769**
[13] C

[51] **Int.Cl. B65D 41/04 (2006.01) A45F 3/18 (2006.01) A47G 19/12 (2006.01) B65D 1/02 (2006.01) B65D 41/30 (2006.01) B65D 47/12 (2006.01)**

[25] EN

[54] **CONTAINERS AND CONTAINER CLOSURES**

[54] **CONTENANTS ET FERMETURES DE CONTENANT**

[72] JACOBSEN, JOSEPH O., US

[72] BOND, TIMOTHY TYLER, US

[72] HARDEN, DANIEL KENDALL, US

[73] RUNWAY BLUE, LLC, US

[86] (3096769)

[87] (3096769)

[22] 2017-10-11

[62] 3,038,973

[30] US (62/406,879) 2016-10-11

[30] US (62/563,019) 2017-09-25

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[11] **3,097,249**
[13] C

[51] **Int.Cl. G06F 1/16 (2006.01) H05K 1/14 (2006.01)**
[25] FR
[54] **DATA ACQUISITION DEVICE FOR THE INSTRUMENTATION OF A STRUCTURE**
[54] **DISPOSITIF D'ACQUISITION DE DONNEES POUR L'INSTRUMENTATION D'UNE STRUCTURE**
[72] GUERRERO, GHISLAIN, FR
[72] PINTO, OLIVIER, FR
[73] SAFRAN DATA SYSTEMS, FR
[85] 2020-10-15
[86] 2019-04-19 (PCT/EP2019/060247)
[87] (WO2019/202155)
[30] FR (1853458) 2018-04-19

[11] **3,098,314**
[13] C

[51] **Int.Cl. B05B 15/20 (2018.01) B05B 5/00 (2006.01) B05D 1/06 (2006.01)**
[25] EN
[54] **HOPPER WITH MICROREACTOR AND CARTRIDGE FOR LOW PRESSURE COLD SPRAYING**
[54] **TREMIE AVEC MICROREACTEUR ET CARTOUCHE POUR PULVERISATION A FROID A BASSE PRESSION**
[72] MAEV, ROMAN GR., CA
[72] LESHCHYNSKY, VOLF, CA
[72] STRUMBAN, EMIL, US
[72] DZHURINSKIY, DMITRY, CA
[72] BARAN, ZYGMUNT, CA
[73] TESSONICS, INC., CA
[86] (3098314)
[87] (3098314)
[22] 2017-09-07
[62] 3,032,793
[30] US (62/384,353) 2016-09-07

[11] **3,099,064**
[13] C

[51] **Int.Cl. A01D 34/84 (2006.01) A01D 34/66 (2006.01) A01D 34/685 (2006.01)**
[25] EN
[54] **TURFTRIMMER ROTARY MOWING ATTACHMENT**
[54] **ACCESSOIRE DE TONTE ROTATIF DE COUPE-BORDURE**
[72] MERKT, ERIC, US
[73] G2 TURFTOOLS, INC., US
[86] (3099064)
[87] (3099064)
[22] 2019-04-04
[62] 3,039,189
[30] US (15/957,401) 2018-04-19

[11] **3,099,852**
[13] C

[51] **Int.Cl. A61K 38/06 (2006.01) A61K 31/4178 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **S-NITROSOGLUTATHIONE (GSNO) AND GSNO REDUCTASE INHIBITORS FOR USE IN THERAPY**
[54] **INHIBITEURS DE S-NITROSOGLUTATHIONE (GSNO) ET DE LA GSNO REDUCTASE UTILISABLES EN THERAPIE**
[72] SINGH, INDERJIT, US
[72] SINGH, AVTAR K., US
[73] MUSC FOUNDATION FOR RESEARCH DEVELOPMENT, US
[73] DEPARTMENT OF VETERANS AFFAIRS, US
[85] 2020-11-06
[86] 2018-05-08 (PCT/US2018/031622)
[87] (WO2018/208793)
[30] US (62/503,108) 2017-05-08

[11] **3,100,302**
[13] C

[51] **Int.Cl. C22C 38/00 (2006.01) C21D 8/12 (2006.01) C22C 38/06 (2006.01) C22C 38/60 (2006.01) H01F 1/147 (2006.01) H02K 1/02 (2006.01)**
[25] EN
[54] **MOTEUR**
[54] **MOTEUR**
[72] YOSHIZAKI, SOUICHIRO, JP
[72] ZAIZEN, YOSHIKI, JP
[72] SENDA, KUNIHIRO, JP
[73] JFE STEEL CORPORATION, JP
[85] 2020-11-13
[86] 2019-03-20 (PCT/JP2019/011635)
[87] (WO2019/220770)
[30] JP (2018-092718) 2018-05-14

[11] **3,101,757**
[13] C

[51] **Int.Cl. A01D 41/12 (2006.01) A01D 75/00 (2006.01) A01F 12/42 (2006.01) A01F 12/44 (2006.01)**
[25] EN
[54] **WEED SEED DESTRUCTION ROTOR SHAPE**
[54] **FORME DU ROTOR POUR DESTRUCTION DES GRAINES DE MAUVAISES HERBES**
[72] MAYERLE, DEAN, CA
[73] TRITANA INTELLECTUAL PROPERTY LTD., CA
[86] (3101757)
[87] (3101757)
[22] 2016-07-13
[62] 2,991,256
[30] US (62/192,111) 2015-07-14

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[11] **3,102,415**

[13] C

- [51] **Int.Cl. B23B 51/04 (2006.01)**
[25] EN
[54] **DEEP HOLE DRILL HAVING A PLURALITY OF CHIP-FORMING DEVICES AND DEPRESSIONS IN THE RAKE FACE**
[54] **PERCEUSE DE TROU PROFOND COMPRENANT PLUSIEURS DISPOSITIFS DE FORMATION D'ECLATS ET DEPRESSIONS DANS LA FACE D'INCLINAISON**
[72] SCHUR, GOTTHOLD, DE
[72] DEEG, JUERGEN, DE
[73] BOTEK
PRAZISIONSBOHRTECHNIK GMBH, DE
[85] 2020-12-03
[86] 2019-03-21 (PCT/EP2019/057071)
[87] (WO2019/238288)
[30] DE (10 2018 114 138.6) 2018-06-13

[11] **3,104,070**

[13] C

- [51] **Int.Cl. G06F 9/50 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING CONNECTIVITY BETWEEN TWO OR MORE HARDWARE AND SOFTWARE COMPONENTS**
[54] **SYSTEMES ET PROCEDES POUR ASSURER LA CONNECTIVITE ENTRE AU MOINS DEUX COMPOSANTS MATERIELS ET LOGICIELS**
[72] WILLIAMS, JAMES, GB
[72] SIMPSON, LOUISE, GB
[72] MORRIS, SIMON, GB
[73] THALES HOLDINGS UK PLC, GB
[85] 2020-12-16
[86] 2019-06-07 (PCT/GB2019/051582)
[87] (WO2019/243776)
[30] GB (1810205.3) 2018-06-21

[11] **3,106,715**

[13] C

- [51] **Int.Cl. H02K 41/03 (2006.01) H02K 3/47 (2006.01)**
[25] EN
[54] **STATOR FOR A PLANAR MOTOR**
[54] **STATOR POUR UN MOTEUR PLANAIRE**
[72] BRINKMANN, ROLF, DE
[72] BENTFELD, LUKAS, DE
[72] PRUESSMEIER, UWE, DE
[73] BECKHOFF AUTOMATION GMBH, DE
[85] 2021-01-18
[86] 2019-07-05 (PCT/EP2019/068142)
[87] (WO2020/020605)
[30] DE (10 2018 117 981.2) 2018-07-25

[11] **3,107,921**

[13] C

- [51] **Int.Cl. E21B 47/06 (2012.01) E21B 43/26 (2006.01) E21B 49/08 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PERFORMING FORMATION STRESS TESTING IN AN OPENHOLE SECTION OF A BOREHOLE**
[54] **APPAREIL ET PROCEDE DE REALISATION D'UN ESSAI DE CONTRAINTE DE FORMATION DANS UNE SECTION DE DECOUVERT D'UN TROU DE FORAGE**
[72] ENG, HANS PETTER, NO
[73] QWAVE AS, NO
[85] 2021-01-27
[86] 2019-09-27 (PCT/NO2019/050197)
[87] (WO2020/071918)
[30] NO (20181282) 2018-10-04

[11] **3,108,786**

[13] C

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[25] EN
[54] **CONGESTION BASED THROTTLING IN SATELLITE BASED NETWORKS**
[54] **ETRANGLEMENT BASE SUR LA CONGESTION DANS DES RESEAUX SATELLITAIRES**
[72] KUBBA, RAJEEV, US
[73] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2021-02-04
[86] 2019-08-05 (PCT/US2019/045038)
[87] (WO2020/033281)
[30] US (16/055,288) 2018-08-06

[11] **3,109,307**

[13] C

- [51] **Int.Cl. B27B 13/02 (2006.01) B27B 15/02 (2006.01) F16M 3/00 (2006.01) F16S 3/00 (2006.01)**
[25] EN
[54] **TACKING LAMINATED RAIL WITH INSET TRACK GUIDE**
[54] **CLOUAGE DE RAILS STRATIFIES AVEC GUIDE DE RAIL ENCASTRE**
[72] DALE, ASHLYNNE, CA
[72] CABRIT, SEBASTIEN, CA
[73] NORWOOD INDUSTRIES INC., CA
[86] (3109307)
[87] (3109307)
[22] 2021-02-18

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[11] **3,110,589**
[13] C
[51] **Int.Cl. G06N 20/00 (2019.01)**
[25] EN
[54] **SAMPLING SCHEMES FOR STRATEGY SEARCHING IN STRATEGIC INTERACTION BETWEEN PARTIES**
[54] **SCHEMAS D'ECHANTILLONNAGE POUR UNE RECHERCHE DE STRATEGIE DANS UNE INTERACTION STRATEGIQUE ENTRE DES PARTIES**
[72] LI, HUI, CN
[72] HU, KAILIANG, CN
[72] SONG, LE, CN
[73] **ADVANCED NEW TECHNOLOGIES CO., LTD., KY**
[85] 2021-02-24
[86] 2019-01-17 (PCT/CN2019/072200)
[87] (WO2020/147074)

[11] **3,111,870**
[13] C
[51] **Int.Cl. A61K 8/70 (2006.01) A61K 8/27 (2006.01) A61K 8/29 (2006.01) A61Q 17/04 (2006.01)**
[25] EN
[54] **TOPICAL SUNSCREEN FORMULATION**
[54] **FORMULATION D'ECRAN SOLAIRE TOPIQUE**
[72] LOSCHER, FRANK, DE
[72] GRILLENBERGER, RALF, DE
[72] LEO, CHIARA SILVANA, DE
[72] BEIER, MARKUS, DE
[73] **DERMALIQ THERAPEUTICS, INC., US**
[85] 2021-03-05
[86] 2019-09-20 (PCT/EP2019/075358)
[87] (WO2020/064556)
[30] EP (18197171.4) 2018-09-27

[11] **3,112,002**
[13] C
[51] **Int.Cl. H04L 67/02 (2022.01) H04L 67/141 (2022.01)**
[25] EN
[54] **APPLICATION SCRIPTS FOR CROSS-DOMAIN APPLICATIONS**
[54] **SCRIPTS D'APPLICATIONS DESTINES A DES APPLICATIONS INTERDOMAINES**
[72] CHAUHAN, ABHISHEK, US
[73] CITRIX SYSTEMS, INC., US
[85] 2021-03-05
[86] 2019-09-10 (PCT/US2019/050386)
[87] (WO2020/055847)
[30] US (16/128,424) 2018-09-11

[11] **3,114,468**
[13] C
[51] **Int.Cl. A01D 34/68 (2006.01) A01D 34/73 (2006.01)**
[25] EN
[54] **LAWN MOWER**
[54] **TONDEUSE A GAZON**
[72] XU, HAISHEN, CN
[72] YAMAOKA, TOSHINARI, CN
[72] YANG, JIAN, CN
[73] **NANJING CHERVON INDUSTRY CO., LTD., CN**
[85] 2021-03-26
[86] 2019-09-25 (PCT/CN2019/107650)
[87] (WO2020/063609)
[30] CN (201821584956.0) 2018-09-27
[30] CN (201821889111.2) 2018-11-15
[30] CN (201910312144.3) 2019-04-18
[30] CN (201920533524.5) 2019-04-18
[30] CN (201910576318.7) 2019-06-28
[30] CN (201921545742.7) 2019-09-17

[11] **3,115,395**
[13] C
[51] **Int.Cl. A61M 5/315 (2006.01)**
[25] EN
[54] **FIXED DOSE INJECTOR PENS**
[54] **STYLOS INJECTEURS A DOSE FIXE**
[72] KNOWLES, STEPHEN, GB
[72] UHMAN, MICHAL, GB
[73] **SHAILY ENGINEERING PLASTICS LIMITED, IN**
[85] 2021-04-06
[86] 2020-03-25 (PCT/EP2020/058428)
[87] (WO2020/193661)
[30] GB (1904051.8) 2019-03-25

[11] **3,115,844**
[13] C
[51] **Int.Cl. E05B 47/00 (2006.01) H02J 50/10 (2016.01) H02J 7/02 (2016.01)**
[25] EN
[54] **INDUCTIVELY POWERED DOOR LOCKS AND RETROFIT KITS FOR BATTERY POWERED DOOR LOCKS**
[54] **VERROUS DE PORTE ALIMENTES PAR INDUCTION ET KITS D'ADAPTATION POUR VERROUS DE PORTE ALIMENTES PAR BATTERIE**
[72] POULIN, JEAN-PIERRE, CA
[73] **I VALET CORP., CA**
[85] 2021-04-09
[86] 2020-02-25 (PCT/CA2020/050236)
[87] (WO2020/172740)
[30] US (62/809,881) 2019-02-25

[11] **3,116,904**
[13] C
[51] **Int.Cl. E06C 9/06 (2006.01) E04F 11/00 (2006.01)**
[25] EN
[54] **SELF-RETRACTABLE STEP**
[54] **MARCHE AUTO-RETRACTABLE**
[72] REID, FREDERICK, CA
[73] **DICKSON24 INC., CA**
[85] 2020-12-15
[86] 2019-10-25 (PCT/CA2019/051516)
[87] (WO2020/082188)
[30] US (62/750,858) 2018-10-26

[11] **3,117,948**
[13] C
[51] **Int.Cl. G01K 11/3213 (2021.01)**
[25] EN
[54] **INTEGRATED ACTIVE FIBER OPTIC TEMPERATURE MEASURING DEVICE**
[54] **DISPOSITIF DE MESURE INTEGRE DE LA TEMPERATURE DE LA FIBRE OPTIQUE ACTIVE**
[72] MECL, ONDREJ, CA
[72] JOHNSON, NOAH JOE, CA
[72] GARROW, JAMES WILLIAM WILTSHIRE, CA
[72] **GOLDSTEIN, MICHAEL WILLIAM, CA**
[73] **ACCELOVANT TECHNOLOGIES CORPORATION, CA**
[86] (3117948)
[87] (3117948)
[22] 2021-05-11
[30] US (16/888785) 2020-05-31

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[11] **3,120,214**
[13] C

[51] **Int.Cl. F16K 5/20 (2006.01) F16K 5/06 (2006.01) F16K 31/44 (2006.01)**
[25] EN
[54] **DBB FORCED SEALING VALVE AND OPERATION DEVICE**
[54] **SOUPAPE D'ETANCHEITE FORCEE DBB ET DISPOSITIF DE FONCTIONNEMENT**
[72] LIU, ZHIGANG, CN
[72] CHEN, JIMENG, CN
[72] LIU, XIAOQI, CN
[73] ZIBO VOTAISI PETROCHEMICAL EQUIPMENT CO., LTD., CN
[85] 2021-05-17
[86] 2020-07-29 (PCT/CN2020/105504)
[87] (WO2021/052018)
[30] CN (201910889922.5) 2019-09-20

[11] **3,123,322**
[13] C

[51] **Int.Cl. B01F 25/422 (2022.01) A61L 2/10 (2006.01) B01D 17/04 (2006.01) A61K 9/08 (2006.01)**
[25] EN
[54] **REVERSING FLOW APPARATUS**
[54] **APPAREIL A ECOULEMENT REVERSIBLE**
[72] BAUER, WALTER JACOB, CA
[73] BAUER, WALTER JACOB, CA
[85] 2021-06-14
[86] 2020-12-05 (PCT/CA2020/000132)
[87] (WO2021/108888)
[30] US (62/944,813) 2019-12-06

[11] **3,128,728**
[13] C

[51] **Int.Cl. G02B 6/42 (2006.01) H04B 10/118 (2013.01)**
[25] FR
[54] **INJECTION OF A BEAM OF RADIATION INTO AN OPTICAL FIBRE**
[54] **INJECTION D'UN FAISCEAU DE RAYONNEMENT DANS UNE FIBRE OPTIQUE**
[72] HULIN, JEREMY, FR
[72] BERCEAU, PAUL, FR
[73] AIRBUS DEFENCE AND SPACE SAS, FR
[85] 2021-08-02
[86] 2020-01-14 (PCT/FR2020/050045)
[87] (WO2020/161405)
[30] FR (19 01267) 2019-02-08

[11] **3,128,969**
[13] C

[51] **Int.Cl. B27B 29/00 (2006.01)**
[25] EN
[54] **LOG DOG AND ADJUSTABLE LOG DOG SET BAR ASSEMBLY**
[54] **GRIFFE DE SERRAGE ET ENSEMBLE DE BARRE DE REGLAGE POUR GRIFFE DE SERRAGE REGLABLE**
[72] CABRIT, SEBASTIEN, CA
[73] NORWOOD INDUSTRIES INC., CA
[86] (3128969)
[87] (3128969)
[22] 2020-11-30
[62] 3,101,140

[11] **3,132,019**
[13] C

[51] **Int.Cl. G06F 16/93 (2019.01) G06Q 10/10 (2012.01) G06F 21/62 (2013.01) G06F 16/13 (2019.01)**
[25] EN
[54] **DOCUMENT MANAGEMENT AND COLLABORATION SYSTEM**
[54] **SYSTEME DE GESTION DE DOCUMENTS ET DE COLLABORATION**
[72] KHURANA, HIMANSHU, US
[72] EISNER, NOAH ANTHONY, US
[72] GILLET, KEVIN, US
[72] SETHURAMALINGAM, ARUN PONNIAH, US
[72] CADABAM, NAGESH PRADHAN, US
[72] WANG, LIANGLIANG, US
[72] KALA, SHARAD, US
[72] OAKLEY, STEPHEN JOSEPH, US
[72] SANTHANAM, NANDHINI NANDIWADA, US
[73] AMAZON TECHNOLOGIES, INC., US
[86] (3132019)
[87] (3132019)
[22] 2014-11-10
[62] 2,930,415
[30] US (14/077,204) 2013-11-11

[11] **3,132,842**
[13] C

[51] **Int.Cl. F16L 41/06 (2006.01)**
[25] EN
[54] **POLYETHYLENE PIPE SERVICE SYSTEM INCLUDING QUICK CONNECT MEANS FOR POLYETHYLENE PIPE TAPPING, PLUGGING, AND COMPLETION OPERATIONS**
[54] **SYSTEME DE SERVICE DE TUYAU EN POLYETHYLENE COMPRENANT DES MOYENS DE CONNEXION RAPIDE POUR DES OPERATIONS DE PIQUAGE, DE BRANCHEMENT ET DE COMPLETION DE TUYAU EN POLYETHYLENE**
[72] ZANN, OLIVIER, FR
[72] CAILLOUX, ROBIN, FR
[72] HORST, NICOLAS, FR
[72] BURGERT, STEPHANE, FR
[73] TDW DELAWARE, INC., US
[85] 2021-09-07
[86] 2020-03-09 (PCT/US2020/021698)
[87] (WO2020/181277)
[30] US (62/815,207) 2019-03-07
[30] US (62/892,351) 2019-08-27

[11] **3,146,492**
[13] C

[51] **Int.Cl. C09D 7/61 (2018.01) C01B 32/182 (2017.01) C01B 32/194 (2017.01) C01B 32/20 (2017.01) C01B 32/21 (2017.01) C09D 7/80 (2018.01) C09D 201/00 (2006.01)**
[25] EN
[54] **WATERBORNE COATINGS**
[54] **REVETEMENTS A BASE D'EAU**
[72] WEAVER, WILLIAM, GB
[72] CHIKOSHA, LYNN, GB
[72] BELL, A, GB
[72] SHARP, M, GB
[73] APPLIED GRAPHENE MATERIALS UK LIMITED, GB
[85] 2022-01-07
[86] 2020-07-08 (PCT/GB2020/051648)
[87] (WO2021/005370)
[30] GB (1909802.9) 2019-07-09

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March 27, 2022 to April 2, 2022

Demandes canadiennes mises à la disponibilité du public

27 mars 2022 au 2 avril 2022

<p>[21] 3,094,617 [13] A1</p> <p>[51] Int.Cl. A61K 36/9068 (2006.01) A61K 35/644 (2015.01) A61K 36/284 (2006.01) A61K 36/344 (2006.01) A61P 1/08 (2006.01)</p> <p>[25] EN</p> <p>[54] THE STOMACH COMFORT LIQUID/ NINGWEI LIQUID</p> <p>[54] LIQUIDE D'APAISEMENT DE L'ESTOMAC/NINGWEI LIQUID</p> <p>[72] YUAN, XIAO NING, CA</p> <p>[71] YUAN, XIAO NING, CA</p> <p>[22] 2020-09-28</p> <p>[41] 2022-03-28</p>	<p>[21] 3,094,634 [13] A1</p> <p>[51] Int.Cl. H04M 3/46 (2006.01) H04W 4/14 (2009.01) G06Q 30/02 (2012.01) H04M 3/493 (2006.01) G10L 15/22 (2006.01)</p> <p>[25] EN</p> <p>[54] AUTOMATIC INTEGRATION OF IVR (INTERACTIVE VOICE RESPONSE) CALLS AND SMS TECHNOLOGY TO CREATE PURELY RANDOM SAMPLES OF INDIVIDUALS TO PARTICIPATE IN SURVEY RESEARCH, EITHER IMMEDIATELY VIA A MOBILE DEVICE, OR ONLINE USING ANOTHER PERSONAL ELECTRONIC DEVICE (E.G. COMPUTER OR LAPTOP)</p> <p>[54] INTEGRATION AUTOMATIQUE DES APPELS DE REPONSE VOCALE INTERACTIVE ET DE LA TECHNOLOGIE SMS POUR CREER DES ECHANTILLONS PUREMENT ALEATOIRES D'INDIVIDUS POUR PARTICIPER A LA RECHERCHE PAR SONDAGE, IMMEDIATEMENT PAR DISPOSITIF MOBILE OU EN LIGNE AU MOYEN D'UN AUTRE APPAREIL ELECTRONIQUE PERSONNEL (P. EX. : ORDINATEUR OU ORDINATEUR PORTATIF)</p> <p>[72] BALL, JOHN G., CA</p> <p>[71] BALL, JOHN G., CA</p> <p>[22] 2020-09-28</p> <p>[41] 2022-03-28</p>	<p>[21] 3,094,678 [13] A1</p> <p>[51] Int.Cl. F23G 7/06 (2006.01) F23N 5/00 (2006.01)</p> <p>[25] EN</p> <p>[54] WASTE GAS COMBUSTOR</p> <p>[54] CHAMBRE DE COMBUSTION DE DECHETS A GAZ</p> <p>[72] ALDRICH, DALE CHRISTOPHER, CA</p> <p>[72] ROSEVEAR, DALLAS LANE, CA</p> <p>[72] ALDRICH, CHRISTOPHER LUCIEN, CA</p> <p>[71] CLEAR RUSH CORPORATION, CA</p> <p>[22] 2020-09-29</p> <p>[41] 2022-03-29</p>
		<p>[21] 3,094,680 [13] A1</p> <p>[51] Int.Cl. G06N 20/00 (2019.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR ENFORCING CONSTRAINTS TO PREDICTIONS</p> <p>[54] SYSTEMES ET METHODES POUR APPLIQUER DES CONTRAINTES AUX PREDICTIONS</p> <p>[72] PALACIOS, HECTOR, CA</p> <p>[72] NOEL, PIERRE-ANDRE, CA</p> <p>[71] ELEMENT AI INC., CA</p> <p>[22] 2020-09-29</p> <p>[41] 2022-03-29</p>
		<p>[21] 3,094,683 [13] A1</p> <p>[51] Int.Cl. G06N 20/00 (2019.01) G06T 7/00 (2017.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR ENFORCING CONSTRAINTS IN CHARACTER RECOGNITION</p> <p>[54] SYSTEMES ET METHODES POUR APPLIQUER DES CONTRAINTES A LA RECONNAISSANCE DE CARACTERES</p> <p>[72] PALACIOS, HECTOR, CA</p> <p>[72] NOEL, PIERRE-ANDRE, CA</p> <p>[71] ELEMENT AI INC., CA</p> <p>[22] 2020-09-29</p> <p>[41] 2022-03-29</p>

Demandes canadiennes mises à la disponibilité du public
27 mars 2022 au 2 avril 2022

[21] **3,094,684**
 [13] A1

[51] **Int.Cl. A61M 3/02 (2006.01) A61B 1/12 (2006.01) A61B 17/00 (2006.01) A61M 1/00 (2006.01)**
 [25] EN
 [54] **CONTINUOUS FLUID IRRIGATION ASSEMBLY**
 [54] **ASSEMBLAGE D'IRRIGATION DE FLUIDE CONTINUE**
 [72] CARRILLO, BRIAN, CA
 [72] FARCAS, MONICA, CA
 [72] JAYATUNGA, RAY ALWIN PERERA, CA
 [71] CREATIVE MEDICAL SOLUTIONS INC., CA
 [22] 2020-09-29
 [41] 2022-03-29

[21] **3,094,729**
 [13] A1

[51] **Int.Cl. A43B 3/24 (2006.01) A43C 11/00 (2006.01) A43C 19/00 (2006.01)**
 [25] EN
 [54] **ATTACHMENT MECHANISM AND SYSTEM FOR FOOTWEAR**
 [54] **MECANISME D'ATTACHE ET SYSTEME POUR CHAUSSURE**
 [72] ADESHINA, OMOWONUOLA, CA
 [71] ADESHINA, OMOWONUOLA, CA
 [22] 2020-09-29
 [41] 2022-03-29

[21] **3,094,789**
 [13] A1

[51] **Int.Cl. E21B 43/18 (2006.01)**
 [25] EN
 [54] **DEVICE AND METHOD FOR GAS LIFT OF A RESERVOIR FLUID**
 [54] **DISPOSITIF ET METHODE D'ASCENSION PAR POUSSEE DE GAZ D'UN FLUIDE EN RESERVOIR**
 [72] KING, JEFF, CA
 [72] GOLINOWSKI, JEFFREY, CA
 [71] TIER 1 ENERGY SOLUTIONS, INC., CA
 [22] 2020-09-30
 [41] 2022-03-30

[21] **3,094,824**
 [13] A1

[51] **Int.Cl. H04N 21/2385 (2011.01)**
 [25] EN
 [54] **DEVICE, SYSTEM AND METHOD FOR ALLOCATING RESOURCES FOR VIDEO STREAMING**
 [54] **DISPOSITIF, SYSTEME ET METHODE POUR AFFECTER DES RESSOURCES A LA DIFFUSION VIDEO EN DIRECT**
 [72] GHASEMPOOR, ALIREZA, CA
 [71] ATCITI CORP., CA
 [22] 2020-09-30
 [41] 2022-03-30

[21] **3,094,856**
 [13] A1

[51] **Int.Cl. G06F 21/57 (2013.01) G06Q 10/06 (2012.01) G06F 16/90 (2019.01)**
 [25] EN
 [54] **ENTERPRISE INFORMATION SECURITY MANAGEMENT SYSTEM**
 [54] **SYSTEME DE GESTION DE LA SECURITE D'INFORMATION D'ENTREPRISE**
 [72] HARI, JAMIE, CA
 [71] DERISK CORP., CA
 [22] 2020-09-30
 [41] 2022-03-30

[21] **3,094,859**
 [13] A1

[51] **Int.Cl. C12N 15/87 (2006.01) B82Y 5/00 (2011.01) C07K 14/005 (2006.01) C07K 19/00 (2006.01) C12N 15/10 (2006.01)**
 [25] EN
 [54] **PROTEOLIPID VESICLES FORMULATED WITH FUSION ASSOCIATED SMALL TRANSMEMBRANE PROTEINS**
 [54] **VESICULES DE PROTEOLIPIDE FORMULEES AVEC PETITES PROTEINES TRANSMEMBRANAIRES ASSOCIEES A LA FUSION**
 [72] LEWIS, JOHN DAVID, US
 [72] RATURI, ARUN, CA
 [71] ENTOS PHARMACEUTICALS INC., CA
 [22] 2020-10-01
 [41] 2022-04-01

[21] **3,094,861**
 [13] A1

[51] **Int.Cl. B65G 53/04 (2006.01) B65G 47/91 (2006.01) B65G 53/50 (2006.01)**
 [25] EN
 [54] **PELLET TRANSFER SYSTEM**
 [54] **SYSTEME DE TRANSFERT DE GRANULE**
 [72] CHENARD, ROBERT JOSEPH, CA
 [71] CHENARD, ROBERT JOSEPH, CA
 [22] 2020-09-30
 [41] 2022-03-30

[21] **3,094,866**
 [13] A1

[51] **Int.Cl. F24F 13/08 (2006.01) E04B 7/18 (2006.01) F24F 7/02 (2006.01) E04D 13/17 (2006.01)**
 [25] EN
 [54] **HYBRID ROOF VENT**
 [54] **EXUTOIRE DE TOITURE HYBRIDE**
 [72] MANTYLA, JAMES B., CA
 [71] CANPLAS INDUSTRIES LTD., CA
 [22] 2020-09-30
 [41] 2022-03-30

[21] **3,094,867**
 [13] A1

[51] **Int.Cl. C08L 23/08 (2006.01) B32B 27/32 (2006.01) C08J 5/18 (2006.01) C08L 23/06 (2006.01) B29C 51/00 (2006.01)**
 [25] EN
 [54] **THERMOFORMABLE FILM**
 [54] **FILM THERMOFORMABLE**
 [72] WANG, XIAOCHUAN, CA
 [72] ZORICAK, PETER, CA
 [72] MOLLOY, BRIAN, CA
 [72] AUBEE, NORMAN, CA
 [71] NOVA CHEMICALS CORPORATION, CA
 [22] 2020-10-01
 [41] 2022-04-01

**Canadian Applications Open to Public Inspection
March 27, 2022 to April 2, 2022**

[21] **3,094,869**
[13] A1

[51] **Int.Cl. C08L 23/08 (2006.01) B32B 27/32 (2006.01) C08J 5/18 (2006.01) C08L 23/06 (2006.01)**

[25] EN
[54] **THERMOFORMABLE FILM**
[54] **FILM THERMOFORMABLE**
[72] WANG, XIAOCHUAN, CA
[72] ZORICAK, PETER, CA
[72] MOLLOY, BRIAN, CA
[72] AUBEE, NORMAN, CA
[71] NOVA CHEMICALS CORPORATION, CA
[22] 2020-10-01
[41] 2022-04-01

[21] **3,094,908**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01)**

[25] EN
[54] **SMART WEARABLE HEALTH MONITOR SYSTEM**
[54] **SYSTEME DE CONTROLE DE SANTE INTELLIGENT A PORTER**
[72] LIU, SHIWEI, CA
[71] LIU, SHIWEI, CA
[22] 2020-09-30
[41] 2022-03-30

[21] **3,094,924**
[13] A1

[51] **Int.Cl. A47G 23/04 (2006.01) A45F 3/18 (2006.01) A47G 19/22 (2006.01)**

[25] EN
[54] **HEATED BEVERAGE CONTAINER**
[54] **CONTENANT A BREUVAGE CHAUFFE**
[72] REID, ROY ANDREW, CA
[72] MONIZ, PHILIP LOUIS, CA
[71] THUNDER DUNGEON INC., CA
[22] 2020-10-01
[41] 2022-04-01

[21] **3,094,968**
[13] A1

[51] **Int.Cl. H04N 21/258 (2011.01) H04N 21/441 (2011.01)**

[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING THE LOCATION OF A USER DEVICE**
[54] **SYSTEME ET PROCEDURE POUR DETERMINER LA POSITION D'UN APPAREIL UTILISATEUR**
[72] TAN, PENG, CA
[71] TELUS COMMUNICATIONS INC., CA
[22] 2020-10-01
[41] 2022-04-01

[21] **3,095,007**
[13] A1

[51] **Int.Cl. G06Q 20/20 (2012.01)**

[25] EN
[54] **TOUCHLESS PAYMENTS AT POINT-OF-SALE TERMINALS**
[54] **PAIEMENTS SANS CONTACT A DES TERMINAUX DE POINT DE VENTE**
[72] DUNJIC, MILOS, CA
[72] TAX, DAVID SAMUEL, CA
[72] LALKA, VIPUL KISHORE, CA
[72] GLEESON, BRYAN MICHAEL, CA
[72] ECKER, JEFFREY AARON, CA
[72] CASTELL, DEREK RICHARD, CA
[72] NGUYEN, ANTHONY HAITUYEN, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2020-10-02
[41] 2022-04-02

[21] **3,095,009**
[13] A1

[51] **Int.Cl. B65D 88/74 (2006.01) B60P 1/64 (2006.01) B60P 3/22 (2006.01)**

[25] EN
[54] **HEATED SLURRY TRANSPORT SYSTEM**
[54] **SYSTEME DE TRANSPORT DE BOUE CHAUFFEE**
[72] PETERKIN, RYAN A., US
[72] GALLOWAY, WILLIAM, US
[71] MAGTEC ALASKA, LLC, US
[22] 2020-10-02
[41] 2022-04-02
[30] US (17061946) 2020-10-02

[21] **3,095,013**
[13] A1

[51] **Int.Cl. G06Q 30/06 (2012.01) G06Q 20/06 (2012.01) G06F 16/958 (2019.01)**

[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING AN INDICATOR TO OFFSET A PURCHASE PRICE**
[54] **SYSTEME ET METHODE POUR FOURNIR UN INDICATEUR AFIN DE COMPENSER UN PRIX D'ACHAT**
[72] GLYNN-UDROW, NOLAN, CA
[72] DORAI, SAHANA, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2020-10-02
[41] 2022-04-02

[21] **3,095,015**
[13] A1

[51] **Int.Cl. B25B 5/14 (2006.01) B23K 37/053 (2006.01) B25B 1/20 (2006.01) F16G 13/18 (2006.01) F16L 1/10 (2006.01)**

[25] EN
[54] **A PIPE CHAIN SYSTEM**
[54] **SYSTEME DE CHAINE A TUYAU**
[72] ADAMS, KEVIN, CA
[71] QF INNOVATIONS INC., CA
[22] 2020-10-02
[41] 2022-04-02

[21] **3,095,018**
[13] A1

[51] **Int.Cl. B24D 15/02 (2006.01)**

[25] EN
[54] **SANDING DEVICES FOR SANDING A WORKPIECE**
[54] **DISPOSITIFS DE SABLAGE POUR SABLER UNE PIECE A USINER**
[72] MIRKOVIC, IVAN, CA
[71] MIRKOVIC, IVAN, CA
[22] 2020-10-02
[41] 2022-04-02

Demandes canadiennes mises à la disponibilité du public

27 mars 2022 au 2 avril 2022

[21] **3,095,022**
[13] A1

[51] **Int.Cl. G06T 7/00 (2017.01) G06N 20/00 (2019.01) G06T 9/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND COMPUTER-IMPLEMENTED METHODS FOR IDENTIFYING ANOMALIES IN AN OBJECT AND TRAINING METHODS THEREFOR**

[54] **SYSTEMES ET METHODES INFORMATIQUES POUR DETERMINER DES ANOMALIES DANS UN OBJET ET METHODES D'ENTRAINEMENT CONNEXES**

[72] SOKHANDAN ASL, NEGIN, CA

[71] ELEMENT AI INC., CA

[22] 2020-10-02

[41] 2022-04-02

[21] **3,095,023**
[13] A1

[51] **Int.Cl. G06T 7/00 (2017.01) G06N 20/00 (2019.01) G06T 9/00 (2006.01)**

[25] EN

[54] **CONTINUOUS TRAINING METHODS FOR SYSTEMS IDENTIFYING ANOMALIES IN AN IMAGE OF AN OBJECT**

[54] **METHODES D'ENTRAINEMENT EN CONTINU POUR SYSTEMES DE DETERMINATION D'ANOMALIES DANS UNE IMAGE D'UN OBJET**

[72] SOKHANDAN ASL, NEGIN, CA

[71] ELEMENT AI INC., CA

[22] 2020-10-02

[41] 2022-04-02

[21] **3,095,026**
[13] A1

[51] **Int.Cl. A45B 25/22 (2006.01) A45B 11/00 (2006.01) A45B 25/00 (2006.01) F16M 13/00 (2006.01)**

[25] EN

[54] **UMBRELLA STABILIZER**

[54] **STABILISATEUR DE PARASOL**

[72] TAHIRI, DITURIJE, CA

[71] TAHIRI, DITURIJE, CA

[22] 2020-10-02

[41] 2022-03-30

[30] US (17/038,186) 2020-09-30

[21] **3,095,035**
[13] A1

[51] **Int.Cl. B60P 7/00 (2006.01) B62D 33/02 (2006.01)**

[25] EN

[54] **TRUCK BED GATE**

[54] **PORTE POUR CAISSE DE CAMION**

[72] CLEMENT, PAUL R., CA

[71] CLEMENT, PAUL R., CA

[22] 2020-10-02

[41] 2022-04-02

[21] **3,095,149**
[13] A1

[51] **Int.Cl. E21B 23/01 (2006.01) E21B 17/10 (2006.01)**

[25] EN

[54] **HIGH EXPANSION ANTI-ROTATION ANCHOR CATCHER**

[54] **RECEVEUR D'ANCRE ANTIROTATION A GRANDE EXPANSION**

[72] DAWSON, JAMES, CA

[71] DAWSON, JAMES, CA

[22] 2020-10-02

[41] 2022-04-02

[21] **3,095,177**
[13] A1

[51] **Int.Cl. G02B 27/18 (2006.01) H04N 5/74 (2006.01)**

[25] EN

[54] **OPTICAL PROJECTION WITH COMBINED BEAMS**

[54] **PROJECTION OPTIQUE AVEC FAISCEAUX COMBINES**

[72] DOORNAERT, DRIES JAN, BE

[72] MAXIMUS, BART HENRI JOHANNA, BE

[72] KUMARAN, RAVEEN, CA

[72] MAES, DIRK LEONTINA, BE

[71] MTT INNOVATION INCORPORATED, CA

[71] BARCO NV, BE

[22] 2020-10-02

[41] 2022-04-02

[21] **3,095,207**
[13] A1

[51] **Int.Cl. D04C 3/00 (2006.01) B04C 3/00 (2006.01) B65H 59/38 (2006.01)**

[25] EN

[54] **BRAIDING MACHINES AND CARRIERS FOR BRAIDING MACHINES**

[54] **MACHINES A TRESSER ET SUPPORTS POUR MACHINE A TRESSER**

[72] LABERGE LABEL, LOUIS, CA

[72] ASSI, PASCAL, CA

[72] STEFAN TALOS, CRISTIAN, CA

[72] VILLENEUVE, GUILLAUME, CA

[72] CHABOT, OLIVIER, CA

[72] BOUSQUET, PHILIPPE, CA

[72] DELISLE, VINCENT, CA

[71] POLYVALOR, SOCIETE EN COMMANDITE, CA

[22] 2020-10-02

[41] 2022-04-02

[21] **3,095,376**
[13] A1

[51] **Int.Cl. F16P 3/12 (2006.01) F15B 20/00 (2006.01)**

[25] EN

[54] **LONG HOLE DRILL ASSEMBLY WITH POWER CUT-OFF**

[54] **ASSEMBLAGE DE FORAGE DE LONG TROU AVEC COUPURE D'ALIMENTATION**

[72] PEEVER, SHAWN, CA

[71] PEEVER, SHAWN, CA

[22] 2020-09-30

[41] 2022-03-30

[21] **3,095,386**
[13] A1

[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/24 (2019.01) G06F 17/40 (2006.01)**

[25] EN

[54] **DATA REPORTING ARCHITECTURE FOR APPLICATIONS**

[54] **ARCHITECTURE DE RAPPORT DE DONNEES POUR APPLICATIONS**

[72] SCARFUTTI, JOSEPH VINCENT, CA

[72] BULCHANDANI, ANEESHA SURESH, CA

[71] THE TORONTO-DOMINION BANK, CA

[22] 2020-10-06

[41] 2022-04-01

[30] US (17/060,523) 2020-10-01

**Canadian Applications Open to Public Inspection
March 27, 2022 to April 2, 2022**

[21] **3,095,624**
[13] A1

[51] **Int.Cl. G06Q 40/02 (2012.01) G06F 17/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROCESSING RESOURCE TRANSFER REQUESTS**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT DE DEMANDES DE TRANSFERT DE RESSOURCES**
[72] JONES, CHRISTOPHER MARK, CA
[72] BAIRD, BARRY WAYNE, JR., CA
[72] LAWRENCE, CLAUDE BERNELL, JR., CA
[72] PRENDERGAST, JONATHAN JOSEPH, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2020-10-07
[41] 2022-03-28
[30] US (17/034,674) 2020-09-28

[21] **3,095,652**
[13] A1

[51] **Int.Cl. B64B 1/40 (2006.01)**
[25] EN
[54] **FLOAT 2 YOU**
[54] **FLOAT 2 YOU**
[72] CRIPPS, CHANDARA, CA
[71] CRIPPS, CHANDARA, CA
[22] 2020-09-28
[41] 2022-03-28

[21] **3,097,735**
[13] A1

[51] **Int.Cl. A47B 46/00 (2006.01) B25H 5/00 (2006.01) B60R 11/00 (2006.01)**
[25] EN
[54] **VEHICLE SHELF SYSTEM AND METHOD OF USE**
[54] **SYSTEME DE TABLETTES POUR VEHICULE ET METHODE D'UTILISATION**
[72] HENRY, MARK ANTHONY, JR., US
[72] ROGERS, JOSHUA MERLE, US
[72] GEREZ, JOSHUA MICHAEL, US
[71] ADRIAN STEEL COMPANY, US
[22] 2020-11-02
[41] 2022-03-29
[30] US (17/036,495) 2020-09-29

[21] **3,098,379**
[13] A1

[51] **Int.Cl. A61K 31/57 (2006.01) A61K 9/00 (2006.01) A61K 31/05 (2006.01)**
[25] EN
[54] **BIODIDENTICAL PROGESTERONE CREAM INFUSED WITH NANOEMULSIFIED CBD**
[54] **CREME DE PROGESTERONE BIODIDENTIQUE INFUSEE DE CBD NANOEMULSIFIE**
[72] LIGUORI, MICHAEL, US
[71] LIGUORI, MICHAEL, US
[22] 2020-11-08
[41] 2022-04-01
[30] US (17060551) 2020-10-01

[21] **3,105,263**
[13] A1

[51] **Int.Cl. C08J 5/08 (2006.01) B29C 70/12 (2006.01) C08K 3/04 (2006.01) C08K 7/14 (2006.01) C08K 7/24 (2006.01) C08L 33/04 (2006.01) C08L 63/00 (2006.01) C08L 67/00 (2006.01)**
[25] EN
[54] **FIBREGLASS REINFORCED PLASTIC**
[54] **PLASTIQUE RENFORCE DE FIBRES DE VERRE**
[72] BEALE, LEWIS JOHN, AU
[71] HYDRAWALL PTY LTD, AU
[22] 2021-01-07
[41] 2022-04-02
[30] AU (2020903571) 2020-10-02
[30] US (63/090,848) 2020-10-13

[21] **3,108,465**
[13] A1

[51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/40 (2020.01)**
[25] EN
[54] **ELECTRONIC CIGARETTE**
[54] **CIGARETTE ELECTRONIQUE**
[72] LIU, TUANGANG, CN
[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2021-02-08
[41] 2022-03-27
[30] CN (202011034246.2) 2020-09-27
[30] CN (202022155733.6) 2020-09-27

[21] **3,111,253**
[13] A1

[51] **Int.Cl. F21V 21/02 (2006.01) F21K 9/00 (2016.01)**
[25] EN
[54] **LUMINAIRE STRUCTURE**
[54] **STRUCTURE LUMINAIRE**
[72] MIHALCEA, HRISTEA, CA
[72] GAGNE, JEAN, CA
[72] PORTER, THEODORE, CA
[72] LUSSIER, PIERRE-LUC, CA
[72] ABBOUD, JENNIFER, CA
[72] MILES, ANDREW, CA
[72] YAPHE, HOWARD, CA
[71] AXIS LIGHTING INC., CA
[22] 2021-03-04
[41] 2022-03-29
[30] US (17/037,361) 2020-09-29

[21] **3,113,265**
[13] A1

[51] **Int.Cl. H01M 4/13 (2010.01) H01M 4/136 (2010.01) H01M 10/0525 (2010.01) H01M 4/04 (2006.01) H01M 4/62 (2006.01)**
[25] EN
[54] **POSITIVE ELECTRODE MATERIAL FOR LITHIUM ION SECONDARY BATTERIES, POSITIVE ELECTRODE FOR LITHIUM ION SECONDARY BATTERIES, AND LITHIUM ION SECONDARY BATTERY**
[54] **MATERIAU D'ELECTRODE POSITIVE POUR BATTERIES SECONDAIRES AU LITHIUM-ION, ELECTRODE POSITIVE POUR BATTERIES SECONDAIRES AU LITHIUM-ION ET BATTERIE SECONDAIRE AU LITHIUM-ION**
[72] NOZOE, TSUTOMU, JP
[72] NAKANO, TOYOMASA, JP
[71] SUMITOMO OSAKA CEMENT CO. LTD., JP
[22] 2021-03-25
[41] 2022-03-30
[30] JP (2020-165088) 2020-09-30

Demandes canadiennes mises à la disponibilité du public
27 mars 2022 au 2 avril 2022

[21] **3,113,461**
[13] A1

[51] **Int.Cl. C12M 3/00 (2006.01) C12M 1/00 (2006.01) C12M 1/12 (2006.01) C12M 1/34 (2006.01) C12M 1/36 (2006.01) C12M 3/06 (2006.01) C12N 5/00 (2006.01) C12Q 1/02 (2006.01)**

[25] EN

[54] **FLUIDIC ARRAY SYSTEMS AND TESTING FOR CELLS, ORGANOIDS, AND ORGAN CULTURES**

[54] **SYSTEMES DE RESEAU FLUIDIQUE ET ESSAIS POUR CELLULES, ORGANOIDES ET CULTURES D'ORGANES**

[72] COLLINS, JOHN, US
[71] COLLINS, JOHN, US
[22] 2021-03-30
[41] 2022-03-30
[30] US (16/948,734) 2020-09-30

[21] **3,113,764**
[13] A1

[51] **Int.Cl. G01V 9/00 (2006.01) E21B 43/00 (2006.01) E21B 43/26 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR SIMULATING MULTI-CLUSTER PERFORATION COMPETITIVE INITIATION AND PROPAGATION APPLIED TO UNCONVENTIONAL RESERVOIR**

[54] **METHODE ET DISPOSITIF POUR SIMULER UNE INITIATION CONCURRENTIELLE DE PERFORATION MULTI-GRAPPE ET PROPAGATION APPLIQUEE A UN RESERVOIR NON TRADITIONNEL**

[72] ZENG, FANHUI, CN
[72] GUO, JIANCHUN, CN
[72] ZHANG, YU, CN
[72] ZHANG, QIANG, CN
[71] SOUTHWEST PETROLEUM UNIVERSITY, CN
[22] 2021-03-30
[41] 2022-03-27
[30] CN (202011031263.0) 2020-09-27

[21] **3,116,072**
[13] A1

[51] **Int.Cl. B65D 77/06 (2006.01) B67D 7/06 (2010.01) A47K 5/12 (2006.01) B65D 37/00 (2006.01)**

[25] EN

[54] **FLUID DISTRIBUTOR AND REPLACEMENT CARTRIDGE**

[54] **DISTRIBUTEUR DE FLUIDE ET CARTOUCHE DE RECHANGE**

[72] COUSINEAU, MARTIN, CA
[72] CHICOINE, SIMON, CA
[72] COMEAU, JEAN-PHILIPPE, CA
[71] CAMBLI TECHNOLOGIES INC., CA
[22] 2021-04-26
[41] 2022-04-01
[30] US (63/086,106) 2020-10-01

[21] **3,116,786**
[13] A1

[51] **Int.Cl. F24F 7/007 (2006.01) F24F 1/028 (2019.01) F04D 25/06 (2006.01) F04D 25/08 (2006.01) F24F 1/04 (2011.01) F26B 5/00 (2006.01)**

[25] EN

[54] **PORTABLE BLOWER FAN ASSEMBLY**

[54] **ASSEMBLAGE DE SOUFFLANTE PORTATIVE**

[72] STASZAK, JEFFREY R., US
[72] ASKLING, KEVIN LAWRENCE, US
[72] DEMONTE, TODD R., US
[72] BRUNNER, TODD, US
[72] POSTER, MATTHEW J., US
[72] MOBLEY, JENEE LAPLACE, US
[72] TRELEVN, DAVID, US
[72] WANG, XUEQIAO, US
[72] CARLSON, LAURENCE A., US
[71] THERMA-STOR LLC, US
[22] 2021-04-30
[41] 2022-04-02
[30] US (17/061,634) 2020-10-02

[21] **3,117,266**
[13] A1

[51] **Int.Cl. E04H 1/12 (2006.01) F25C 5/00 (2018.01)**

[25] EN

[54] **METHOD FOR CREATING ICE STRUCTURES**

[54] **METHODE DE CREATION DE STRUCTURES DE GLACE**

[72] YOUNGSTROM, JAMES, US
[72] BATEMAN, RANDALL B., US
[71] YOUNGSTROM, JAMES, US
[71] BATEMAN, RANDALL B., US
[22] 2021-05-05
[41] 2022-04-01
[30] US (63/086,594) 2020-10-01
[30] US (63/127,825) 2020-12-18
[30] US (17/214,796) 2021-03-26

[21] **3,119,159**
[13] A1

[51] **Int.Cl. B64D 31/06 (2006.01) F02C 9/42 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR GOVERNING AN ENGINE AT LOW POWER**

[54] **METHODE ET SYSTEME DE GOUVERNE D'UN MOTEUR A FAIBLE PUISSANCE**

[72] DROLET, MARTIN, CA
[72] FORTIN, FREDERIC, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-05-19
[41] 2022-04-02
[30] US (17/061,657) 2020-10-02

[21] **3,121,385**
[13] A1

[51] **Int.Cl. B60S 5/00 (2006.01) C08J 3/00 (2006.01) C08J 11/06 (2006.01) C09J 5/00 (2006.01)**

[25] EN

[54] **WINDSHIELD SEAL RELEASE METHOD AND APPARATUS**

[54] **METHODE ET APPAREIL POUR DECOLLER LE JOINT D'ETANCHEITE D'UN PARE-BRISE**

[72] PENNALA, CRAIG, US
[71] PENNALA, CRAIG, US
[22] 2021-06-07
[41] 2022-04-02
[30] US (63/086,625) 2020-10-02
[30] US (17/337,411) 2021-06-02

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[21] **3,125,107**
[13] A1

[51] **Int.Cl. E05B 15/00 (2006.01) E05B 63/04 (2006.01)**
[25] EN
[54] **REVERSIBLE DOOR LOCK WITH STATUS INDICATOR**
[54] **VERROU DE PORTE REVERSIBLE AVEC INDICATEUR D'ETAT**
[72] ALVAREZ, DANIEL, US
[71] ASSA ABLOY ACCESS AND EGRESS HARDWARE GROUP, INC., US
[22] 2021-07-19
[41] 2022-03-30
[30] US (63/085989) 2020-09-30
[30] US (17/359929) 2021-06-28

[21] **3,125,466**
[13] A1

[51] **Int.Cl. G06F 30/15 (2020.01) F01D 5/14 (2006.01)**
[25] EN
[54] **PROBABILISTIC FATIGUE AND BLEND LIMIT ASSESSMENT AND VISUALIZATION METHODS FOR AIRFOILS**
[54] **METHODES D'EVALUATION ET DE VISUALISATION PROBABILISTE DE LA FATIGUE ET DE LA LIMITE DE RACCORDEMENT POUR LES SURFACES PORTANTES**
[72] CHAKRABARTI, SURYARGHYA, US
[72] TURNER, KEVIN, US
[72] CHOI, YOON SEOK, US
[72] WASHBURN, DOUGLAS L., US
[72] WANG, LIPING, US
[72] BLAIR, ANDREW J., US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2021-07-21
[41] 2022-03-30
[30] US (63/085,430) 2020-09-30

[21] **3,126,509**
[13] A1

[51] **Int.Cl. C10G 1/04 (2006.01) C10C 3/08 (2006.01)**
[25] EN
[54] **BITUMEN FROTH TREATMENT OPERATIONS WITH HIGH DEMULSIFIER DOSAGE AND HIGH SHEAR FOR WATER REMOVAL**
[54] **OPERATIONS DE TRAITEMENT D'ECUME DE BITUME COMPORTANT UN DOSAGE ELEVE DE DESEMULSIONNEUR ET UN CISAILLEMENT ELEVE POUR L'ELIMINATION D'EAU**
[72] REVINGTON, ADRIAN, CA
[72] NG, ANDREW, CA
[72] MENDEZ, FREDDY, CA
[72] SCHAAN, JASON, CA
[72] GLENDENNING, SEAN, CA
[72] DIEP, JOHN, CA
[72] ALLY, JAVED, CA
[71] SUNCOR ENERGY INC., CA
[22] 2021-07-30
[41] 2022-03-29
[30] US (63/084,720) 2020-09-29

[21] **3,126,591**
[13] A1

[51] **Int.Cl. G06F 21/56 (2013.01) G06F 21/78 (2013.01) G06N 3/02 (2006.01)**
[25] EN
[54] **MODULE AND METHOD FOR DETECTING MALICIOUS ACTIVITIES IN A STORAGE DEVICE**
[54] **MODULE ET METHODE POUR DETECTER DES ACTIVITES MALVEILLANTES DANS UN DISPOSITIF DE STOCKAGE**
[72] LING, CHAN MEI, SG
[72] BOUGUERRA, NIZAR, SG
[71] FLEXXON PTE. LTD., SG
[22] 2021-08-02
[41] 2022-04-01
[30] SG (10202009754Q) 2020-10-01

[21] **3,128,049**
[13] A1

[51] **Int.Cl. F01D 17/02 (2006.01) F01D 25/12 (2006.01) F02C 6/20 (2006.01) F02C 7/06 (2006.01) F02C 7/36 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE PROBE COOLING**
[54] **REFROIDISSEMENT DE SONDE DE TURBINE A GAZ**
[72] LEFEBVRE, GUY, CA
[72] SYNNOTT, REMY, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-08-12
[41] 2022-04-02
[30] US (17/062,005) 2020-10-02

[21] **3,128,129**
[13] A1

[51] **Int.Cl. B29C 44/18 (2006.01) C08J 9/228 (2006.01) C08L 75/06 (2006.01) C08L 75/08 (2006.01) F16L 59/00 (2006.01)**
[25] EN
[54] **MULTIPLE IMMEDIATE PASS APPLICATION OF HIGH THICKNESS SPRAY FOAMS**
[54] **APPLICATIONS MULTIPLES A PASSAGE IMMEDIAT DE MOUSSES PULVERISEES TRES EPAISSES**
[72] CHARBONNEAU, CHANEL, US
[72] ZHAO, YUSHENG, US
[72] LEED, ELAM, US
[72] MIKS, KATHRYN, US
[71] JOHNS MANVILLE, US
[22] 2021-08-17
[41] 2022-03-30
[30] US (17/038,626) 2020-09-30

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27 mars 2022 au 2 avril 2022

[21] **3,128,351**

[13] A1

[51] **Int.Cl. B64C 1/00 (2006.01) F16B 5/00 (2006.01)**

[25] EN

[54] **AIRCRAFT FUSELAGE LONGITUDINAL SPLICE FOR JOINING HALF BARREL FUSELAGE SECTIONS AND OTHER SPLICED FUSELAGE SECTIONS**

[54] **EPISSURE LONGITUDINALE DE FUSELAGE D'AERONEF POUR JOINDRE LES SECTIONS DE FUSELAGE MI-TONNEAU ET D'AUTRES SECTIONS DE FUSELAGE EPISEES**

[72] STODDARD, ZACHARY N., US

[72] MCGHEE, RONALD L., US

[71] THE BOEING COMPANY, US

[22] 2021-08-16

[41] 2022-03-30

[30] US (63/085449) 2020-09-30

[21] **3,128,618**

[13] A1

[51] **Int.Cl. G05B 19/408 (2006.01) B29C 64/10 (2017.01) B65D 5/42 (2006.01) B65D 5/62 (2006.01) G06K 19/06 (2006.01)**

[25] EN

[54] **METHOD FOR ENCODING A PACKAGING CONTAINER, AND ENCODED PACKAGING CONTAINER FOR CONSUMER GOODS**

[54] **METHODE POUR CODER UN CONTENANT D'EMBALLAGE ET CONTENANT D'EMBALLAGE CODE POUR PRODUITS DE CONSOMMATION**

[72] SCHUTTE, ANDREAS, DE

[72] RULAND, HELMUT, DE

[72] LORENZ, NICOLAS, DE

[71] PACCOR PACKAGING GMBH, DE

[22] 2021-08-18

[41] 2022-03-28

[30] DE (10 2020 125 214.5) 2020-09-28

[21] **3,128,619**

[13] A1

[51] **Int.Cl. B65B 61/26 (2006.01) B41J 2/455 (2006.01) B65D 1/00 (2006.01) B65D 79/00 (2006.01)**

[25] EN

[54] **METHOD FOR CODING A CONTAINER AND CODED CONTAINER**

[54] **METHODE POUR CODER UN CONTENANT ET CONTENANT CODE**

[72] SCHUTTE, ANDREAS, DE

[72] RULAND, HELMUT, DE

[72] LORENZ, NICOLAS, DE

[71] PACCOR PACKAGING GMBH, DE

[22] 2021-08-18

[41] 2022-03-28

[30] DE (10 2020 125 230.7) 2020-09-28

[21] **3,128,995**

[13] A1

[51] **Int.Cl. B65F 7/00 (2006.01)**

[25] EN

[54] **VEHICLE MOUNTED GARBAGE BIN CLEANING SYSTEM INCLUDING POWER TAKEOFF AND DRIVE SHAFT**

[54] **SYSTEME DE NETTOYAGE DE POUBELLE MONTE SUR UN VEHICULE ET COMPRENANT UNE PRISE DE FORCE ET UN ARBRE D'ENTRAINEMENT**

[72] CONWAY, JOHN, US

[71] SPARKLING BINS, LLC, US

[22] 2021-08-26

[41] 2022-03-29

[30] US (17/037,041) 2020-09-29

[21] **3,129,989**

[13] A1

[51] **Int.Cl. F23R 3/28 (2006.01) F02C 7/22 (2006.01) F23D 11/38 (2006.01)**

[25] EN

[54] **FUEL NOZZLE AND ASSOCIATED METHOD OF ASSEMBLY**

[54] **INJECTEUR ET METHODE D'ASSEMBLAGE**

[72] SWABY, NADIA, CA

[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2021-09-03

[41] 2022-03-29

[30] US (17/035,974) 2020-09-29

[21] **3,130,088**

[13] A1

[51] **Int.Cl. G06T 15/00 (2011.01) G06T 15/04 (2011.01) H04N 21/81 (2011.01) G06T 1/40 (2006.01) H04N 5/262 (2006.01)**

[25] EN

[54] **THREE-DIMENSIONAL GEOMETRY-BASED MODELS FOR CHANGING FACIAL IDENTITIES IN VIDEO FRAMES AND IMAGES**

[54] **MODELES FONDES SUR LA GEOMETRIE TRIDIMENSIONNELLE POUR CHANGER LES IDENTITES FACIALES DANS LES TRAMES VIDEO ET LES IMAGES**

[72] NARUNIEC, JACEK KRZYSZTOF, US

[72] BRADLEY, DEREK EDWARD, US

[72] ETTERLIN, THOMAS, US

[72] URNAU GOTARDO, PAULO FABIANO, US

[72] HELMINGER, LEONHARD MARKUS, US

[72] SCHROERS, CHRISTOPHER RICHARD, US

[72] WEBER, ROMANN MATTHEW, US

[71] DISNEY ENTERPRISES, INC., US

[71] ETH ZURICH, CH

[22] 2021-09-07

[41] 2022-03-30

[30] US (17/039,895) 2020-09-30

[21] **3,130,254**

[13] A1

[51] **Int.Cl. H02H 3/02 (2006.01) H01H 33/66 (2006.01) H02G 9/06 (2006.01) H02G 15/00 (2006.01)**

[25] EN

[54] **UNDERGROUND RADIAL LOOP RESTORATION DEVICE AND METHOD**

[54] **DISPOSITIF ET METHODE DE RESTAURATION DE BOUCLE RADIALE SOUTERRAINE**

[72] SENG, NICHOLAS, US

[72] DJOGO, GORAN, US

[72] MARONEY, MICHAEL R., US

[72] MONTENEGRO, ALEJANDRO, US

[71] S&C ELECTRIC COMPANY, US

[22] 2021-09-09

[41] 2022-03-30

[30] US (63/085,441) 2020-09-30

[30] US (17/400,395) 2021-08-12

**Canadian Applications Open to Public Inspection
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[21] **3,130,275**
[13] A1

[51] **Int.Cl. H02H 3/02 (2006.01) H01H 33/66 (2006.01) H02G 9/06 (2006.01) H02G 15/00 (2006.01) H02H 3/04 (2006.01)**

[25] EN

[54] **LOOP RESTORATION SWITCHING DEVICE**

[54] **DISPOSITIF DE COMMUTATION DE RESTAURATION DE BOUCLE**

[72] MONTENEGRO, ALEJANDRO, US

[72] MARONEY, MICHAEL R., US

[72] SENG, NICHOLAS, US

[72] DESMOND, DANIEL, US

[72] DJOGO, GORAN, US

[72] DYER, THOMAS J., US

[72] MILTON, JOSEPH W., US

[72] QUINLAN, MICHAEL, US

[71] S & C ELECTRIC COMPANY, US

[22] 2021-09-09

[41] 2022-03-30

[30] US (63/085,441) 2020-09-30

[30] US (17/400,398) 2021-08-12

[21] **3,130,283**
[13] A1

[51] **Int.Cl. H02H 3/06 (2006.01) H01H 33/66 (2006.01) H02G 9/06 (2006.01) H02G 15/00 (2006.01) H02H 3/04 (2006.01)**

[25] EN

[54] **LOOP RESTORATION SWITCHING DEVICE ASSEMBLY INCLUDING MULTIPLE SWITCHES WITH COMMON CONTROL**

[54] **DISPOSITIF DE COMMUTATION DE RESTAURATION DE BOUCLE COMPRENANT DE MULTIPLES COMMUTATEURS A COMMANDE CENTRALE**

[72] DESMOND, DANIEL, US

[72] FRENCH, JOHN, US

[72] LAKIROVICH, KONSTANTIN, US

[72] QUINLAN, MICHAEL, US

[72] MONTENEGRO, ALEJANDRO, US

[72] PORTER, DAVID G., US

[72] MILTON, JOSEPH W., US

[72] DYER, THOMAS J., US

[71] S & C ELECTRIC COMPANY, US

[22] 2021-09-09

[41] 2022-03-30

[30] US (63/085,441) 2020-09-30

[30] US (17/400,404) 2021-08-12

[21] **3,130,288**
[13] A1

[51] **Int.Cl. H01F 30/06 (2006.01) G01R 31/08 (2020.01)**

[25] EN

[54] **TRANSFORMER FOR UNDERGROUND RADIAL LOOP NETWORK**

[54] **TRANSFORMATEUR POUR RESEAU SOUTERRAIN EN BOUCLE RADIALE**

[72] SENG, NICHOLAS, US

[72] MARONEY, MICHAEL R., US

[72] MONTENEGRO, ALEJANDRO, US

[72] DJOGO, GORAN, US

[71] S & C ELECTRIC COMPANY, US

[22] 2021-09-27

[41] 2022-03-30

[30] US (63/085,441) 2020-09-30

[30] US (17/400,408) 2021-08-12

[21] **3,130,298**
[13] A1

[51] **Int.Cl. H02H 7/26 (2006.01) H02G 9/06 (2006.01) H02H 3/06 (2006.01) H02H 3/08 (2006.01)**

[25] EN

[54] **METHOD FOR ISOLATING A FAULT AND RESTORING POWER IN AN UNDERGROUND RADIAL LOOP NETWORK USING FAULT INTERRUPTING SWITCHES**

[54] **METHODE D'ISOLATION D'UNE ANOMALIE ET DE RESTAURATION DE L'ALIMENTATION DANS UN RESEAU SOUTERRAIN EN BOUCLE RADIALE AU MOYEN DE COMMUTATEURS D'INTERRUPTION D'ANOMALIE**

[72] QUINLAN, MICHAEL, US

[72] SEUSS, JOHN, US

[72] MONTENEGRO, ALEJANDRO, US

[72] DESMOND, DANIEL, US

[72] FRENCH, JOHN, US

[71] S&C ELECTRIC COMPANY, US

[22] 2021-09-09

[41] 2022-03-30

[30] US (63/085,441) 2020-09-30

[30] US (17/400,410) 2021-08-12

[21] **3,130,310**
[13] A1

[51] **Int.Cl. H02H 7/26 (2006.01) H02G 9/06 (2006.01) H02H 3/06 (2006.01) H02H 3/08 (2006.01)**

[25] EN

[54] **METHOD FOR RESTORING POWER IN AN UNDERGROUND RADIAL LOOP NETWORK**

[54] **METHODE DE RESTAURATION DE L'ALIMENTATION DANS UN RESEAU SOUTERRAIN EN BOUCLE RADIALE**

[72] QUINLAN, MICHAEL, US

[72] MARENDIC, BORIS, US

[72] MONTENEGRO, ALEJANDRO, US

[72] DESMOND, DANIEL, US

[72] FRENCH, JOHN, US

[71] S&C ELECTRIC COMPANY, US

[22] 2021-09-09

[41] 2022-03-30

[30] US (63/085,441) 2020-09-30

[30] US (17/400,412) 2021-08-12

[21] **3,130,358**
[13] A1

[51] **Int.Cl. B60R 21/01 (2006.01)**

[25] EN

[54] **RESCUE DEVICE**

[54] **DISPOSITIF DE SAUVETAGE**

[72] SCAPPATICCI, ANTHONY, CA

[71] KS2 CORP INC., CA

[22] 2021-09-10

[41] 2022-04-01

[30] US (63/086,225) 2020-10-01

[21] **3,130,383**
[13] A1

[51] **Int.Cl. B60T 7/16 (2006.01) B61H 13/00 (2006.01) B61H 13/34 (2006.01)**

[25] EN

[54] **MULTI-VEHICLE BRAKING SYSTEM**

[54] **SYSTEME DE FREINAGE MULTIVEHICULE**

[72] WOLF, CHARLES L., US

[72] HAAS, CARL L., US

[72] HENNIGES, BENJAMIN, US

[72] UEHLING, MARK, US

[71] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US

[22] 2021-09-10

[41] 2022-03-30

[30] US (63/085,458) 2020-09-30

[30] US (17/468,773) 2021-09-08

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27 mars 2022 au 2 avril 2022

[21] **3,130,599**
[13] A1

[51] **Int.Cl. B23K 9/12 (2006.01) B23K 9/10 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS TO CONTROL A WIRE ELECTRODE AT THE END OF A WELD**
[54] **SYSTEMES ET METHODES POUR CONTROLER UN FIL-ELECTRODE A L'EXTREMITE D'UNE SOUDURE**
[72] LIU, SHUANG, US
[72] UECKER, JAMES LEE, US
[72] DAVIDSON, ROBERT R., US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2021-09-13
[41] 2022-03-30
[30] US (63/085,726) 2020-09-30
[30] US (17/468,087) 2021-09-07

[21] **3,130,679**
[13] A1

[51] **Int.Cl. E21B 47/06 (2012.01) E21B 47/047 (2012.01) E21B 47/10 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING PUMP INTAKE PRESSURE OR RESERVOIR PRESSURE IN AN OIL AND GAS WELL**
[54] **SYSTEME ET METHODE POUR DETERMINER UNE PRESSION D'ENTREE DE POMPE OU UNE PRESSION DE RESERVOIR DANS UN PUIT DE PETROLE OU DE GAZ**
[72] RAGLIN, JOHN M., US
[72] NOLEN, KENNETH B., US
[72] MESSER, RUSSELL J., US
[71] WELLWORX ENERGY SOLUTIONS LLC, US
[22] 2021-09-13
[41] 2022-03-28
[30] US (17/034,769) 2020-09-28

[21] **3,130,691**
[13] A1

[51] **Int.Cl. A61D 99/00 (2006.01) A01K 61/95 (2017.01) G16H 50/30 (2018.01) A61B 5/00 (2006.01) H02J 7/00 (2006.01) H02J 13/00 (2006.01) G06N 3/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF SMART HEALTH MONITORING**
[54] **SYSTEME ET METHODE DE SURVEILLANCE INTELLIGENTE DE L'ETAT DE SANTE**
[72] LIU, SHIWEI, CA
[72] WANG, TIANYE, CA
[72] LIU, QIAOWEI, CN
[71] LIU, SHIWEI, CA
[71] WANG, TIANYE, CA
[71] LIU, QIAOWEI, CN
[22] 2021-09-14
[41] 2022-03-30
[30] US (63085897) 2020-09-30
[30] CA (3094908) 2020-09-30

[21] **3,130,841**
[13] A1

[51] **Int.Cl. G02B 6/06 (2006.01) F21K 9/61 (2016.01) F21V 8/00 (2006.01) G02B 27/30 (2006.01)**
[25] EN
[54] **NARROW APERTURE LUMINAIRES AND LIGHT GUIDES THEREFOR**
[54] **APPAREILS D'ECLAIRAGE A OUVERTURE ETROITE ET GUIDES LUMINEUX CONNEXES**
[72] SANTORO, SCOTT, CA
[72] WONG, KENTON KENG TING, CA
[71] LMPG INC., CA
[22] 2021-09-14
[41] 2022-04-01
[30] US (63/086458) 2020-10-01

[21] **3,130,986**
[13] A1

[51] **Int.Cl. B66B 1/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DISPATCHING ELEVATORS**
[54] **SYSTEMES ET METHODES POUR ASCENSEURS DE PARC DE STATIONNEMENT**
[72] APPANA, AMARNAUTH, JR., US
[71] APPANA INDUSTRIES LLC, US
[22] 2021-09-16
[41] 2022-03-28
[30] US (63/084.452) 2020-09-28

[21] **3,131,139**
[13] A1

[51] **Int.Cl. E04B 2/54 (2006.01) B29C 44/18 (2006.01)**
[25] EN
[54] **FOAM WALL STRUCTURES AND METHODS FOR THEIR MANUFACTURE**
[54] **STRUCTURES DE PAROIS EN MOUSSE ET METHODES DE FABRICATION**
[72] LAMBACH, JAMES L., US
[72] PALMOSINA II, MICHAEL F., US
[71] COVESTRO LLC, US
[22] 2021-09-17
[41] 2022-03-29
[30] US (17/036,323) 2020-09-29

[21] **3,131,324**
[13] A1

[51] **Int.Cl. H02M 1/00 (2007.10) F03D 7/00 (2006.01) H02J 3/38 (2006.01) H02M 5/40 (2006.01) H02M 7/02 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING A WIND POWER INSTALLATION**
[54] **PROCEDE POUR CONTROLER UNE CENTRALE D'ENERGIE EOLIENNE**
[72] BAKKER, MENKO, DE
[71] WOBVEN PROPERTIES GMBH, DE
[22] 2021-09-17
[41] 2022-04-02
[30] EP (20199929.9) 2020-10-02

[21] **3,131,326**
[13] A1

[51] **Int.Cl. B60K 13/00 (2006.01) F01N 13/08 (2010.01) F01N 13/10 (2010.01) B60K 13/02 (2006.01) B60K 13/04 (2006.01) F02M 35/104 (2006.01)**
[25] EN
[54] **INTAKE AND EXHAUST SYSTEM AND ALL-TERRAIN VEHICLE**
[54] **SYSTEME D'ENTREE ET D'ECHAPPEMENT ET VEHICULE TOUT-TERRAIN**
[72] QUE, WEIGANG, CN
[72] CHEN, MINGTANG, CN
[71] SEGWAY TECHNOLOGY CO., LTD., CN
[22] 2021-09-20
[41] 2022-03-27
[30] CN (202022155632.9) 2020-09-27

**Canadian Applications Open to Public Inspection
March 27, 2022 to April 2, 2022**

[21] **3,131,338**
[13] A1

[51] **Int.Cl. H02M 1/00 (2007.10) F03D 7/00 (2006.01) H02J 3/38 (2006.01) H02M 5/40 (2006.01) H02M 7/02 (2006.01)**

[25] EN

[54] **METHOD FOR CONTROLLING A WIND POWER INSTALLATION**

[54] **PROCEDE POUR CONTROLER UNE CENTRALE D'ENERGIE EOLIENNE**

[72] BAKKER, MENKO, DE

[71] WOBVEN PROPERTIES GMBH, DE

[22] 2021-09-17

[41] 2022-04-02

[30] EP (20199929.9) 2020-10-02

[21] **3,131,459**
[13] A1

[51] **Int.Cl. F16H 57/027 (2012.01) F16H 57/031 (2012.01) F16H 57/04 (2010.01)**

[25] EN

[54] **TRANSMISSION AND ALL-TERRAIN VEHICLE HAVING SAME**

[54] **TRANSMISSION ET VEHICULE TOUT-TERRAIN LA COMPORANT**

[72] ZOU, CHANGWU, CN

[71] SEGWAY TECHNOLOGY CO., LTD., CN

[22] 2021-09-21

[41] 2022-03-28

[30] CN (202022175164.1) 2020-09-28

[30] CN (202022177721.3) 2020-09-28

[21] **3,131,474**
[13] A1

[51] **Int.Cl. B60B 19/00 (2006.01)**

[25] EN

[54] **VEHICLE FOR THE TRANSPORT OF PERSONS AND/OR GOODS**

[54] **VEHICULE POUR LE TRANSPORT DE PERSONNES ET/OU DE MARCHANDISES**

[72] KAHLE, PHILIPP, DE

[72] LOFFLER, NORMANN, DE

[72] MERKEL, SABINE, DE

[72] SEIDL, JOSEF, DE

[72] MULLER, ANNA, DE

[72] KNOTT, MAXIMILIAN, DE

[71] ONOMOTION GMBH, DE

[22] 2021-09-21

[41] 2022-04-01

[30] EP (20199546.1) 2020-10-01

[21] **3,131,476**
[13] A1

[51] **Int.Cl. G06N 10/60 (2022.01) G06N 10/40 (2022.01)**

[25] EN

[54] **HYBRID QUANTUM COMPUTATION ARCHITECTURE FOR SOLVING QUADRATIC UNCONSTRAINED BINARY OPTIMIZATION PROBLEMS**

[54] **ARCHITECTURE D'INFORMATIQUE QUANTIQUE HYBRIDE POUR LA RESOLUTION DE PROBLEMES D'OPTIMISATION BINAIRE NON CONTRAINTE QUADRATIQUE**

[72] PAKHOMCHIK, ALEXEY, CH

[72] PERELSHTEIN, MIKHAIL, CH

[71] TERRA QUANTUM AG, CH

[22] 2021-09-21

[41] 2022-03-29

[30] EP (20199028.0) 2020-09-29

[21] **3,131,560**
[13] A1

[51] **Int.Cl. A45D 29/00 (2006.01) A45D 29/11 (2006.01) A45D 34/04 (2006.01) A45D 44/00 (2006.01)**

[25] EN

[54] **DEVICE FOR NAIL PAINTING**

[54] **DISPOSITIF POUR PEINDRE LES ONGLES**

[72] RIVA MILBERG, ALESSANDRO, PE

[72] VALENCIA DE VILLENA, MARCIA, PE

[71] RIVA MILBERG, ALESSANDRO, PE

[71] VALENCIA DE VILLENA, MARCIA, PE

[22] 2021-09-22

[41] 2022-03-30

[30] PE (1514-2020/DIN) 2020-09-30

[21] **3,131,579**
[13] A1

[51] **Int.Cl. A61M 25/00 (2006.01) A61M 25/04 (2006.01)**

[25] EN

[54] **PERMANENT, REMOVABLE AND SELF-SUSTAINABLE URINARY CATHETER**

[54] **CATHETER URINAIRE PERMANENT, AMOVIBLE ET AUTONOME**

[72] VILAR CORREIA LIMA, SALVADOR, BR

[72] DE OLIVEIRA VILAR, FABIO, BR

[71] VILAR CORREIA LIMA, SALVADOR, BR

[71] DE OLIVEIRA VILAR, FABIO, BR

[22] 2021-09-22

[41] 2022-03-28

[30] BR (102020019762-2) 2020-09-28

[30] BR (132020023524-8) 2020-11-18

[21] **3,131,667**
[13] A1

[51] **Int.Cl. B65F 3/00 (2006.01) B60K 17/28 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR ELECTRONIC POWER TAKE-OFF CONTROLS**

[54] **SYSTEME ET METHODE DE COMMANDE ELECTRONIQUE DE PRISE DE FORCE**

[72] KOGA, JEFFREY, US

[72] DAVIS, EMILY, US

[72] WECKWERTH, CLINTON T., US

[72] HOOVER, VINCENT, US

[72] KLEIN, ZACHARY L., US

[72] KAPPERS, JERROD, US

[72] WENTE, DEREK A., US

[72] GARY, LOGAN, US

[72] ROCHOLL, JOSHUA D., US

[72] NASR, NADER, US

[72] SMITH, CHAD K., US

[71] OSHKOSH CORPORATION, US

[22] 2021-09-22

[41] 2022-03-28

[30] US (63/084,411) 2020-09-28

[30] US (17/327,273) 2021-05-21

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[21] **3,131,702**
[13] A1

[51] **Int.Cl. F01D 9/02 (2006.01) F01D 5/14 (2006.01) F02C 7/24 (2006.01)**
[25] EN
[54] **GUIDE VANE**
[54] **AUBE DIRECTRICE**
[72] VILLARO AMURRIO, MIKEL, ES
[71] ITP NEXT GENERATION
TURBINES, S.L., ES
[22] 2021-09-23
[41] 2022-03-30
[30] EP (20382868.6) 2020-09-30

[21] **3,131,746**
[13] A1

[51] **Int.Cl. F16L 55/165 (2006.01) F16L 39/00 (2006.01)**
[25] EN
[54] **PIPE LINER END TERMINATION**
[54] **TERMINAISON D'EXTREMITE DE CHEMISE DE TUYAU**
[72] HAIRSTON, MARK, US
[72] BAXTER, RICK, US
[71] INA ACQUISITION CORP., US
[22] 2021-09-23
[41] 2022-03-28
[30] US (17/034,969) 2020-09-28

[21] **3,131,828**
[13] A1

[51] **Int.Cl. B65F 3/00 (2006.01)**
[25] EN
[54] **CONTROL SYSTEM FOR A REFUSE VEHICLE**
[54] **SYSTEME DE COMMANDE POUR UN VEHICULE A ORDURES**
[72] KOGA, JEFFREY, US
[72] DAVIS, EMILY, US
[72] KAPPERS, JERROD, US
[72] SCHAD, VINCE, US
[72] MESSINA, ROBERT, S., US
[72] YAKES, CHRISTOPHER K., US
[72] HOOVER, VINCENT, US
[72] WECKWERTH, CLINTON T., US
[72] KLEIN, ZACHARY L., US
[72] BECK, JOHN, US
[72] CHAN, BRENDAN, US
[72] WATCHER, SKYLAR A., US
[72] NASR, NADER, US
[72] SMITH, CHAD K., US
[72] GARY, LOGAN, US
[72] WENTE, DEREK A., US
[72] NAGLIK, SHAWN, US
[72] BOLTON, MIKE J., US
[72] WALLIN, JACOB, US
[72] WITTMAN, QUINCY, US
[72] RUKAS, CHRISTOPHER J., US
[72] HESS, DYLAN, US
[72] RICE, JASON, US
[72] WEI, ZHENYI, US
[72] AMIN, BASHAR, US
[72] LINSMEIER, CATHERINE, US
[72] ROCHOLL, JOSHUA D., US
[72] MATSUMOTO, DALE, US
[71] OSHKOSH CORPORATION, US
[22] 2021-09-23
[41] 2022-03-28
[30] US (63/084,364) 2020-09-28
[30] US (17/327,298) 2021-05-21

[21] **3,131,833**
[13] A1

[51] **Int.Cl. B60K 1/04 (2019.01) B60L 50/64 (2019.01) B60R 16/04 (2006.01) B65F 3/00 (2006.01)**
[25] EN
[54] **BATTERY POD ASSEMBLY FOR ELECTRIC REFUSE VEHICLE**
[54] **ASSEMBLAGE DE BLOC-BATTERIE POUR UN VEHICULE A ORDURES ELECTRIQUE**
[72] KOGA, JEFFREY, US
[72] DAVIS, EMILY, US
[72] WECKWERTH, CLINTON T., US
[72] HOOVER, VINCENT, US
[72] KLEIN, ZACHARY L., US
[72] KAPPERS, JERROD, US
[72] WENTE, DEREK A., US
[72] GARY, LOGAN, US
[72] ROCHOLL, JOSHUA D., US
[72] NASR, NADER, US
[72] SMITH, CHAD K., US
[71] OSHKOSH CORPORATION, US
[22] 2021-09-23
[41] 2022-03-28
[30] US (63/084,334) 2020-09-28
[30] US (17/362,601) 2021-06-29

[21] **3,131,834**
[13] A1

[51] **Int.Cl. F24F 1/037 (2019.01) F24F 11/30 (2018.01) F24F 6/04 (2006.01)**
[25] EN
[54] **ROOM HUMIDIFIER**
[54] **HUMIDIFICATEUR DE PIECE**
[72] LAPPE, LUCAS, US
[72] SEIDENFELD, JUSTIN, US
[72] SAXTON, AARON, US
[72] CHAN, KING SHING, US
[72] WONG, YUK CHEUNG, US
[71] HYKU HOME INC, US
[22] 2021-09-24
[41] 2022-04-01
[30] US (63/086,565) 2020-10-01
[30] US (17/483,791) 2021-09-23

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[21] **3,131,954**
[13] A1

[51] **Int.Cl. H04L 67/55 (2022.01) H04L 67/568 (2022.01)**
[25] EN
[54] **INFORMATION SYNCHRONIZATION METHOD, SYSTEM, APPARATUS, COMPUTER DEVICE AND STORAGE MEDIUM**
[54] **METHODE DE SYNCHRONISATION DES RENSEIGNEMENTS, SYSTEME, APPAREIL, ORDINATEUR ET SUPPORT DE STOCKAGE**
[72] XU, HENG, CN
[72] WANG, YANG, CN
[72] WANG, GANG, CN
[72] TANG, DONG, CN
[71] 10353744 CANADA LTD., CA
[22] 2021-09-27
[41] 2022-03-29
[30] CN (202011052983.5) 2020-09-29

[21] **3,131,962**
[13] A1

[51] **Int.Cl. H04L 69/40 (2022.01)**
[25] EN
[54] **DATA RESENDING METHOD AND DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE ET DISPOSITIF DE RENVOI DE DONNEES, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] ZHAO, YI, CN
[72] XU, LEI, CN
[71] 10353744 CANADA LTD., CA
[22] 2021-09-27
[41] 2022-03-29
[30] CN (202011052998.1) 2020-09-29

[21] **3,131,968**
[13] A1

[51] **Int.Cl. C01B 3/38 (2006.01) C01B 32/50 (2017.01) C01B 3/02 (2006.01) C01B 3/34 (2006.01) C07C 29/151 (2006.01) C07C 41/01 (2006.01)**
[25] EN
[54] **PROCESS FOR USING SEQUESTERED CARBON DIOXIDE IN FUELS AND CHEMICALS**
[54] **PROCEDE D'UTILISATION DE DIOXYDE DE CARBONE SEQUESTRE DANS LES CARBURANTS ET LES PRODUITS CHIMIQUES**
[72] KELLY, KAREN S., CA
[72] MELNICHUK, LARRY J., CA
[71] KELLY, KAREN S., CA
[71] MELNICHUK, LARRY J., CA
[22] 2021-09-27
[41] 2022-03-28
[30] US (63/204,366) 2020-09-28

[21] **3,131,969**
[13] A1

[51] **Int.Cl. G01S 17/95 (2006.01) F03D 7/00 (2006.01)**
[25] FR
[54] **METHOD FOR DETERMINING AVERAGE WIND SPEED WITH A LASER REMOTE SENSING SENSOR**
[54] **PROCEDE DE DETERMINATION DE LA VITESSE MOYENNE DU VENT AU MOYEN D'UN CAPTEUR DE TELEDETECTION PAR LASER**
[72] NGUYEN, HOAI-NAM, FR
[72] GUILLEMIN, FABRICE, FR
[71] IFP ENERGIES NOUVELLES, FR
[22] 2021-09-27
[41] 2022-04-01
[30] FR (20/10.050) 2020-10-01

[21] **3,131,981**
[13] A1

[51] **Int.Cl. C04B 35/634 (2006.01) B33Y 10/00 (2015.01) B33Y 70/10 (2020.01) B28B 11/24 (2006.01) B28B 19/00 (2006.01) C04B 35/638 (2006.01)**
[25] FR
[54] **USE OF A COMPOSITION COMPRISING A HIGH RATE OF INORGANIC MATERIAL(S) AND A THERMOPLASTIC ELASTOMERE IN AN ADDITIVE MANUFACTURING PROCESS**
[54] **UTILISATION D'UNE COMPOSITION COMPRENANT UN TAUX ELEVE DE MATERIAU(X) INORGANIQUE(S) ET UN ELASTOMERE THERMOPLASTIQUE DANS UN PROCEDE DE FABRICATION ADDITIVE**
[72] GROHENS, YVES, FR
[72] CORRE, YVES-MARIE, FR
[72] PELLETER, JACQUES, FR
[71] UNIVERSITE DE BRETAGNE SUD, FR
[22] 2021-09-27
[41] 2022-04-02
[30] FR (FR2010098) 2020-10-02

[21] **3,132,000**
[13] A1

[51] **Int.Cl. E21B 43/29 (2006.01) E21B 43/16 (2006.01) E21B 43/18 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR HYDROCARBON RECOVERY**
[54] **APPAREIL ET PROCEDE POUR LA RECUPERATION D'HYDROCARBURES**
[72] MORTON, D. SCOTT, CA
[71] DRIFT RESOURCE TECHNOLOGIES INC., CA
[22] 2021-09-27
[41] 2022-03-28
[30] US (63/084,288) 2020-09-28

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[21] **3,132,002**
[13] A1

[51] **Int.Cl. H04N 21/466 (2011.01) H04N 21/258 (2011.01)**

[25] EN

[54] **VIDEO RECOMMENDATION METHOD, DEVICE, COMPUTER APPARATUS AND STORAGE MEDIUM**

[54] **METHODE DE RECOMMANDATION VIDEO, DISPOSITIF, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**

[72] XU, LIANGWU, CN

[72] JIANG, DONGDONG, CN

[71] 10353744 CANADA LTD., CA

[22] 2021-09-27

[41] 2022-03-28

[30] CN (202011041634.3) 2020-09-28

[21] **3,132,004**
[13] A1

[51] **Int.Cl. G06F 16/2453 (2019.01)**

[25] EN

[54] **SQL QUERY OPTIMIZATION METHOD AND DEVICE**

[54] **METHODE ET DISPOSITIF D'OPTIMISATION D'INTERROGATION SQL**

[72] LU, YONGLIANG, CN

[72] ZHENG, YAOFENG, CN

[72] TANG, GUOQIANG, CN

[72] SANG, QIANG, CN

[72] SUN, QIAN, CN

[71] 10353744 CANADA LTD., CA

[22] 2021-09-27

[41] 2022-03-29

[30] CN (202011048287.7) 2020-09-29

[21] **3,132,005**
[13] A1

[51] **Int.Cl. B29C 53/60 (2006.01) A61M 39/08 (2006.01)**

[25] EN

[54] **MEDICAL COILED TUBING**

[54] **TUBE SPIRALE MEDICAL**

[72] KNIGHT, THOMAS F., US

[71] CODAN US CORPORATION, US

[22] 2021-09-27

[41] 2022-03-29

[30] US (17/037,387) 2020-09-29

[21] **3,132,132**
[13] A1

[51] **Int.Cl. G09B 5/06 (2006.01) G16Z 99/00 (2019.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PROVIDING INTERACTIVE STORYTELLING**

[54] **SYSTEME ET METHODE DE NARRATION INTERACTIVE**

[72] PETERSEN, LORENZ, FR

[72] SEYFRIED, MIKE, DE

[71] AL SPORTS COACH GMBH, DE

[22] 2021-09-27

[41] 2022-03-30

[30] EP (20 199 425.8) 2020-09-30

[21] **3,132,168**
[13] A1

[51] **Int.Cl. G09B 5/00 (2006.01) G09B 5/06 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PROVIDING INTERACTIVE STORYTELLING**

[54] **SYSTEME ET METHODE DE NARRATION INTERACTIVE**

[72] PETERSEN, LORENZ, FR

[72] SEYFRIED, MIKE, DE

[71] AL SPORTS COACH GMBH, DE

[22] 2021-09-27

[41] 2022-03-30

[30] EP (20 199 425.8) 2020-09-30

[21] **3,132,215**
[13] A1

[51] **Int.Cl. B63H 11/08 (2006.01) B63H 21/17 (2006.01) B63H 23/34 (2006.01) F04F 5/10 (2006.01) F04F 5/44 (2006.01) H02K 7/14 (2006.01)**

[25] EN

[54] **JET PUMP SYSTEMS**

[54] **SYSTEMES DE POMPE A JET**

[72] PENNESTRI, SCOTT ANTHONY, US

[71] PENNESTRI PRODUCTS, LLC, US

[22] 2021-09-28

[41] 2022-03-28

[30] US (17/035112) 2020-09-28

[21] **3,132,218**
[13] A1

[51] **Int.Cl. G06Q 30/06 (2012.01) G16Z 99/00 (2019.01) G01N 1/22 (2006.01) B65F 1/06 (2006.01)**

[25] EN

[54] **INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING METHOD, SYSTEM, AND STORAGE MEDIA**

[54] **DISPOSITIF DE TRAITEMENT DE L'INFORMATION, METHODE DE TRAITEMENT DE L'INFORMATION, SYSTEME ET SUPPORT DE STOCKAGE**

[72] NAKASHIMA, TOYOKAZU, JP

[72] HATORI, TAKAYUKI, JP

[72] SAWADA, SHUICHI, JP

[72] KUBO, DAIKI, JP

[72] ISHIKAWA, TOMOKI, JP

[72] OKA, NAOYA, JP

[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP

[22] 2021-09-28

[41] 2022-04-01

[30] JP (2020-167236) 2020-10-01

[21] **3,132,221**
[13] A1

[51] **Int.Cl. E06B 1/70 (2006.01) E04B 1/62 (2006.01)**

[25] EN

[54] **MODULAR SILL**

[54] **SEUIL MODULAIRE**

[72] GREGORY, HEADER A., US

[72] FIGUEROA, ARI, US

[71] GREGORY, HEADER A., US

[22] 2021-09-28

[41] 2022-04-01

[30] US (16/948,783) 2020-10-01

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[21] **3,132,236**
[13] A1

[51] **Int.Cl. G01N 15/00 (2006.01) F01D 25/18 (2006.01) F02C 7/06 (2006.01) F16N 29/00 (2006.01) G01M 15/00 (2006.01)**

[25] EN

[54] **MAGNETIC CHIP DETECTOR**

[54] **DETECTEUR DE PUCE MAGNETIQUE**

[72] PADILLA MARTINEZ, ALAN, CA

[72] CASTONGUAY, PIERRE, CA

[72] CARON-SAINT-GEORGES, HUBERT, CA

[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2021-09-28

[41] 2022-03-29

[30] US (17/036,683) 2020-09-29

[21] **3,132,243**
[13] A1

[51] **Int.Cl. B65F 3/02 (2006.01) B60K 25/00 (2006.01) B60L 1/00 (2006.01) B65F 3/14 (2006.01)**

[25] EN

[54] **ELECTRIC POWER TAKE-OFF PUMP CONTROL SYSTEMS**

[54] **SYSTEMES DE POMPE DE PRISE DE FORCE ELECTRIQUE**

[72] KOGA, JEFFREY, US

[72] DAVIS, EMILY, US

[72] KAPPERS, JERROD, US

[72] SCHAD, VINCE, US

[72] MESSINA, ROBERT S., US

[72] YAKES, CHRISTOPHER K., US

[72] HOOVER, VINCENT, US

[72] WECKWERTH, CLINTON T., US

[72] KLEIN, ZACHARY L., US

[72] BECK, JOHN, US

[72] CHAN, BRENDAN, US

[72] WATCHER, SKYLAR A., US

[72] NASR, NADER, US

[72] SMITH CHAD, K., US

[72] GARY, LOGAN, US

[72] WENTE, DEREK A., US

[72] NAGLIK, SHAWN, US

[72] BOLTON, MIKE J., US

[72] WALLIN, JACOB, US

[72] WITTMAN, QUINCY, US

[72] RUKAS, CHRISTOPHER J., US

[72] HESS, DYLAN, US

[72] RICE, JASON, US

[72] WEI, ZHENYI, US

[72] AMIN, BASHAR, US

[72] LINSMEIER, CATHERINE, US

[72] ROCHOLL, JOSHUA D., US

[71] OSHKOSH CORPORATION, US

[22] 2021-09-28

[41] 2022-03-28

[30] US (63/084,378) 2020-09-28

[30] US (17/483,991) 2021-09-24

[21] **3,132,248**
[13] A1

[51] **Int.Cl. G01D 5/12 (2006.01) B65G 43/00 (2006.01) B65G 53/66 (2006.01) G01D 5/00 (2006.01) G01F 15/00 (2006.01)**

[25] EN

[54] **BULK MATERIAL SENSING SYSTEM**

[54] **SYSTEME DE DETECTION DE MATERIAUX EN VRAC**

[72] PETERSON, WESLEY LYNN, US

[72] BURNETTE, DANIEL L., US

[71] CUSTOM AGRI SYSTEMS, INC., US

[22] 2021-09-28

[41] 2022-03-28

[30] US (63/084,158) 2020-09-28

[21] **3,132,251**
[13] A1

[51] **Int.Cl. B60R 16/02 (2006.01) B65F 3/00 (2006.01)**

[25] EN

[54] **HARNES WITH RODENT CONTROL**

[54] **HARNAIS AVEC CONTROLE DES RATS**

[72] KOGA, JEFFREY, US

[72] DAVIS, EMILY, US

[72] WECKWERTH, CLINTON T., US

[72] HOOVER, VINCENT, US

[72] KLEIN, ZACHARY L., US

[72] KAPPERS, JERROD, US

[72] WENTE, DEREK A., US

[72] GARY, LOGAN, US

[72] ROCHOLL, JOSHUA D., US

[72] SMITH, CHAD K., US

[71] OSHKOSH CORPORATION, US

[22] 2021-09-28

[41] 2022-03-28

[30] US (63/084,141) 2020-09-28

[30] US (17/483,946) 2021-09-24

[21] **3,132,261**
[13] A1

[51] **Int.Cl. B65F 3/02 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR THERMAL DETECTION, SUPPRESSION, AND DISCHARGE**

[54] **SYSTEME ET METHODE DE DETECTION, SUPPRESSION ET DECHARGE THERMIQUE**

[72] KOGA, JEFFREY, US

[72] DAVIS, EMILY, US

[72] WECKWERTH, CLINTON T., US

[72] HOOVER, VINCENT, US

[72] KLEIN, ZACHARY, US

[72] KAPPERS, JERROD, US

[72] WENTE, DEREK A., US

[72] GARY, LOGAN, US

[72] ROCHOLL, JOSHUA D., US

[72] SMITH, CHAD K., US

[71] OSHKOSH CORPORATION, US

[22] 2021-09-28

[41] 2022-03-28

[30] US (63/084,442) 2020-09-28

[30] US (17/484,098) 2021-09-24

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[21] **3,132,264**
[13] A1

[51] **Int.Cl. B60P 1/00 (2006.01)**
[25] EN
[54] **POWERED TRAILER UNIT**
[54] **UNITE DE REMORQUE**
ELECTRIQUE
[72] RAMIREZ, MANUEL, US
[71] RAMIREZ, MANUEL, US
[22] 2021-09-28
[41] 2022-03-28
[30] US (17/035,618) 2020-09-28

[21] **3,132,271**
[13] A1

[51] **Int.Cl. A47D 5/00 (2006.01) A61L 2/10 (2006.01)**
[25] EN
[54] **DIAPER CHANGING TABLES AND METHODS OF USING THEREOF**
[54] **TABLES POUR CHANGER LES COUCHES ET METHODES D'UTILISATION**
[72] GUNDRY, ADIA, US
[72] LARAMIE, JACQUES, US
[72] RAFFERTY, MICHAEL S., US
[72] HIZER, BRITTANY, US
[71] PLUIE, INC., US
[22] 2021-09-29
[41] 2022-03-30
[30] US (17/038,196) 2020-09-30

[21] **3,132,302**
[13] A1

[51] **Int.Cl. B65F 3/02 (2006.01) B65F 3/00 (2006.01) G01R 31/371 (2019.01) G01K 15/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR THERMAL MONITOR CONTROLS**
[54] **SYSTEME ET METHODE POUR DES CONTROLES DE SURVEILLANCE THERMIQUE**
[72] KOGA, JEFFREY, US
[72] DAVIS, EMILY, US
[72] WECKWERTH, CLINTON T., US
[72] HOOVER, VINCENT, US
[72] KLEIN, ZACHARY L., US
[72] KAPPERS, JERROD, US
[72] WENTE, DEREK A., US
[72] GARY, LOGAN, US
[72] ROCHOLL, JOSHUA D., US
[72] SMITH, CHAD K., US
[71] OSHKOSH CORPORATION, US
[22] 2021-09-28
[41] 2022-03-28
[30] US (63/084,420) 2020-09-28
[30] US (17/484,263) 2021-09-24

[21] **3,132,303**
[13] A1

[51] **Int.Cl. B65F 3/02 (2006.01)**
[25] EN
[54] **THERMAL STRESS MITIGATION SYSTEM FOR ELECTRIC REFUSE VEHICLE**
[54] **SYSTEME D'ATTENUATION DE LA CONTRAINTE THERMIQUE POUR DES VEHICULES A ORDURES ELECTRIQUES**
[72] KOGA, JEFFREY, US
[72] DAVIS, EMILY, US
[72] WECKWERTH, CLINTON T., US
[72] HOOVER, VINCENT, US
[72] KLEIN, ZACHARY L., US
[72] KAPPERS, JERROD, US
[72] WENTE, DEREK A., US
[72] GARY, LOGAN, US
[72] ROCHOLL, JOSHUA D., US
[72] SMITH, CHAD K., US
[71] OSHKOSH CORPORATION, US
[22] 2021-09-28
[41] 2022-03-28
[30] US (63/084,139) 2020-09-28
[30] US (17/484,040) 2021-09-24

[21] **3,132,306**
[13] A1

[51] **Int.Cl. B65F 3/02 (2006.01) B65F 3/00 (2006.01) F16F 7/00 (2006.01)**
[25] EN
[54] **VIBRATION DAMPING MOUNTS FOR BATTERIES IN ELECTRIC REFUSE VEHICLE**
[54] **SOCLES D'AMORTISSEMENT DES VIBRATIONS POUR LES BATTERIES DANS UN VEHICULE A ORDURES ELECTRIQUE**
[72] KOGA, JEFFREY, US
[72] DAVIS, EMILY, US
[72] WECKWERTH, CLINTON T., US
[72] HOOVER, VINCENT, US
[72] KLEIN, ZACHARY L., US
[72] KAPPERS, JERROD, US
[72] WENTE, DEREK A., US
[72] GARY, LOGAN, US
[72] ROCHOLL, JOSHUA D., US
[72] SMITH, CHAD K., US
[71] OSHKOSH CORPORATION, US
[22] 2021-09-28
[41] 2022-03-28
[30] US (63/084,344) 2020-09-28
[30] US (17/484,051) 2021-09-24

[21] **3,132,307**
[13] A1

[51] **Int.Cl. B32B 37/15 (2006.01) B32B 13/00 (2006.01) B32B 37/24 (2006.01) B32B 38/00 (2006.01)**
[25] EN
[54] **GYPSUM BOARD MADE USING DRY STARCH AT AN INTERFACE BETWEEN THE GYPSUM SLURRY AND FACING MATERIAL**
[54] **PLAQUE DE PLATRE FABRIQUEE D'AMIDON SEC A UNE INTERFACE ENTRE LA BOUE DE PLATRE ET LE MATERIAU DE REVETEMENT**
[72] YOUNG, MARK D., US
[72] HOLZER, COURTNEY D., US
[72] WHITTINGTON, GENE A., US
[71] GOLD BOND BUILDING PRODUCTS, LLC, US
[22] 2021-09-28
[41] 2022-03-28
[30] US (63/084,038) 2020-09-28

[21] **3,132,314**
[13] A1

[51] **Int.Cl. B60L 53/80 (2019.01) B65F 3/00 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **ELECTRIC REFUSE VEHICLE BATTERY EXCHANGE AND TRAILER**
[54] **ECHANGE DE BATTERIES ET REMORQUE DE VEHICULE A ORDURES ELECTRIQUE**
[72] KOGA, JEFFREY, US
[72] DAVIS, EMILY, US
[72] WECKWERTH, CLINTON T., US
[72] HOOVER, VINCENT, US
[72] KLEIN, ZACHARY L., US
[72] KAPPERS, JERROD, US
[72] WENTE, DEREK A., US
[72] GARY, LOGAN, US
[72] ROCHOLL, JOSHUA D., US
[72] NASR, NADER, US
[72] SMITH, CHAD K., US
[71] OSHKOSH CORPORATION, US
[22] 2021-09-28
[41] 2022-03-28
[30] US (63/084,176) 2020-09-28
[30] US (17/483,988) 2021-09-24

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[21] **3,132,328**
[13] A1

[51] **Int.Cl. F16B 1/00 (2006.01) A47B 96/00 (2006.01) F16B 12/00 (2006.01)**
[25] EN
[54] **CONNECTOR SYSTEM**
[54] **SYSTEME DE CONNECTEUR**
[72] FUNG, AARON, CA
[71] ARCONAS INVESTMENTS LTD., CA
[22] 2021-09-29
[41] 2022-03-30
[30] US (63/085,555) 2020-09-30

[21] **3,132,331**
[13] A1

[51] **Int.Cl. B60P 1/48 (2006.01) B25J 5/00 (2006.01) B25J 9/00 (2006.01)**
[25] EN
[54] **DELIVERY VEHICLE WITH UNLOADING ARM**
[54] **VEHICULE DE LIVRAISON AVEC BRAS DE DECHARGEMENT**
[72] ULSAMER, MARIUS, CA
[72] ARVINTE, ROMEO, CA
[71] DIANOMIX INC., CA
[22] 2021-09-29
[41] 2022-03-29
[30] US (63/084,673) 2020-09-29

[21] **3,132,339**
[13] A1

[51] **Int.Cl. E21B 34/14 (2006.01) E21B 23/14 (2006.01) E21B 33/129 (2006.01) E21B 43/26 (2006.01) E21B 47/01 (2012.01) E21B 47/06 (2012.01)**
[25] EN
[54] **WIRELINE COMPLETION TOOL AND METHOD**
[54] **OUTIL ET METHODE DE COMPLETION FILAIRE**
[72] ANGMAN, PER, CA
[72] ANDREYCHUK, MARK, CA
[71] KOBOLD CORPORATION, CA
[22] 2021-09-28
[41] 2022-03-28
[30] US (63/084,437) 2020-09-28

[21] **3,132,346**
[13] A1

[51] **Int.Cl. G06K 9/62 (2022.01) G06N 3/02 (2006.01)**
[25] EN
[54] **USER ABNORMAL BEHAVIOR RECOGNITION METHOD AND DEVICE AND COMPUTER READABLE STORAGE MEDIUM**
[54] **METHODE DE RECONNAISSANCE DES COMPORTEMENTS ANORMAUX DE L'UTILISATEUR, DISPOSITIF ET SUPPORT DE STOCKAGE INFORMATIQUE**
[72] LI, YIWEN, CN
[72] HUANG, XIN, CN
[71] 10353744 CANADA LTD., CA
[22] 2021-09-29
[41] 2022-03-29
[30] CN (20201104 7099 .2) 2020-09-29

[21] **3,132,416**
[13] A1

[51] **Int.Cl. A61L 2/10 (2006.01) B01J 19/12 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR DIRECTING ULTRAVIOLET ENERGY TOWARDS A MOVING SURFACE**
[54] **TECHNIQUES POUR DIRIGER DE L'ENERGIE ULTRAVIOLETTE VERS UNE SURFACE EN MOUVEMENT**
[72] MCCANLESS, FORREST STARNE, US
[72] SHOOP, CHARLES RICHARD, US
[72] RODRIGUEZ, YAN, US
[71] ABL IP HOLDING LLC, US
[22] 2021-09-28
[41] 2022-03-29
[30] US (63/085,000) 2020-09-29
[30] US (17/313,193) 2021-05-06
[30] US (17/313,204) 2021-05-06
[30] US (17/485,677) 2021-09-27

[21] **3,132,429**
[13] A1

[51] **Int.Cl. C08L 27/06 (2006.01) A61J 1/10 (2006.01) B65D 30/02 (2006.01) C08J 3/20 (2006.01) C08J 5/18 (2006.01) C08K 5/12 (2006.01) C08K 5/20 (2006.01) C08K 5/353 (2006.01) C08K 5/45 (2006.01) C09K 11/06 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND DEVICES FOR CONTAINING MEDICAL FLUIDS**
[54] **COMPOSITIONS ET DISPOSITIFS POUR CONTENIR DE FLUIDES MEDICAUX**
[72] MOFFITT, RONALD D., US
[72] KRONGAUZ, VADIM V., US
[72] BORING, C. BRADLEY, US
[72] DEPOLO, WADE, US
[72] UNDERBRINK, RICHARD, US
[72] THOMPSON, JOHN A., US
[71] ICU MEDICAL, INC., US
[22] 2021-09-29
[41] 2022-04-02
[30] US (63/086918) 2020-10-02
[30] US (17/486418) 2021-09-27

[21] **3,132,436**
[13] A1

[51] **Int.Cl. A24F 1/30 (2006.01) A24F 5/00 (2006.01) A24F 5/14 (2006.01)**
[25] EN
[54] **SCREEN ADAPTER FOR A WATER PIPE**
[54] **ADAPTATEUR DE FILTRE POUR UNE CONDUITE D'EAU**
[72] MESZANIEC, KYLE MICHAEL, CA
[71] MESZANIEC, KYLE MICHAEL, CA
[22] 2021-10-01
[41] 2022-04-01
[30] US (63/086,288) 2020-10-01

[21] **3,132,461**
[13] A1

[51] **Int.Cl. A61L 2/10 (2006.01) A61L 2/28 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF UV CLEANING**
[54] **SYSTEMES ET METHODES DE NETTOYAGE UV**
[72] MCINTOSH, DARREN C., US
[71] THE BOEING COMPANY, US
[22] 2021-09-29
[41] 2022-03-30
[30] US (63/085440) 2020-09-30
[30] US (17/462911) 2021-08-31

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[21] **3,132,471**
[13] A1

[51] **Int.Cl. A47K 1/14 (2006.01)**
[25] EN
[54] **POP UP STOPPER AND SEAL**
[54] **OBTURATEUR A CLAPET ET**
JOINT D'ETANCHEITE
[72] MANOJ, JON, US
[72] JONES, ROBERT, US
[71] DANCO, INC., US
[22] 2021-09-29
[41] 2022-03-29
[30] US (17/480288) 2021-09-21
[30] US (63/084957) 2020-09-29

[21] **3,132,486**
[13] A1

[51] **Int.Cl. H04N 19/189 (2014.01) H04N**
19/136 (2014.01) H04N 19/147
(2014.01) H04N 19/19 (2014.01)
[25] EN
[54] **METHOD AND SYSTEMS FOR**
OPTIMIZED CONTENT
ENCODING
[54] **METHODE ET SYSTEMES POUR**
LE CODAGE DE CONTENU
OPTIMISE
[72] GROIS, DAN, US
[72] GILADI, ALEXANDER, US
[72] SYED, YASSER, US
[72] BEGEN, ALI, US
[71] COMCAST CABLE
COMMUNICATIONS, LLC, US
[22] 2021-09-29
[41] 2022-03-30
[30] US (63/085,898) 2020-09-30

[21] **3,132,490**
[13] A1

[51] **Int.Cl. A61F 2/32 (2006.01) A61F 2/34**
(2006.01) A61F 2/36 (2006.01)
[25] EN
[54] **MAGNETICALLY STABILIZED**
TOTAL HIP REPLACEMENT
PROSTHESIS
[54] **PROTHESE DE REMPLACEMENT**
DE HANCHE TOTALE
STABILISEE MAGNETIQUEMENT
[72] COOK, STEPHEN D., US
[72] NOLAN, LIAM P., US
[71] FELLOWSHIP OF ORTHOPAEDIC
RESEARCHERS, INC., US
[22] 2021-09-30
[41] 2022-04-01
[30] US (17/060,993) 2020-10-01

[21] **3,132,528**
[13] A1

[51] **Int.Cl. D21C 3/22 (2006.01)**
[25] EN
[54] **APPARATUS FOR AND METHOD**
OF MEASURING OUTPUT
MATERIAL OF PULP
PROCESSING AND APPARATUS
FOR AND METHOD OF
CONTROLLING PULP
PROCESSING
[54] **APPAREIL ET METHODE POUR**
MESURER LE MATERIAU DE
SORTIE D'UN TRAITEMENT DE
PULPE ET APPAREIL ET
METHODE POUR CONTROLER
LE TRAITEMENT DE PULPE
[72] TERVO, HEIDI, FI
[72] PYYKKOENEN, ILKKA, FI
[72] JANHUNEN, PETRI, FI
[71] VALMET AUTOMATION OY, FI
[22] 2021-09-28
[41] 2022-03-28
[30] FI (20205932) 2020-09-28

[21] **3,132,543**
[13] A1

[51] **Int.Cl. G01R 33/46 (2006.01) G01R**
33/44 (2006.01)
[25] EN
[54] **TECHNIQUES FOR**
DETERMINING A NUCLEAR
MAGNETIC RESONANCE
RELAXATION TIME AND/OR A
NUCLEAR MAGNETIC
RESONANCE SPECTRUM OF A
PROBE
[54] **TECHNIQUES POUR**
DETERMINER UN TEMPS DE
RELAXATION DE RESONANCE
MAGNETIQUE NUCLEAIRE
ET/OU UN SPECTRE DE
RESONANCE MAGNETIQUE
NUCLEAIRE D'UNE SONDÉ
[72] PEREPUKHOV, ALEKSANDR, CH
[72] LESOVIK, GORDEY, CH
[72] LEBEDEV, ANDREY, CH
[71] TERRA QUANTUM AG, CH
[22] 2021-09-29
[41] 2022-03-29
[30] EP (20199026.4) 2020-09-29

[21] **3,132,547**
[13] A1

[51] **Int.Cl. E05B 47/00 (2006.01) E05B**
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[25] EN
[54] **UNTRUSTED USER**
MANAGEMENT IN ELECTRONIC
LOCKS
[54] **GESTION D'UTILISATEUR NON**
FIABLE DANS LES VERROUS
ELECTRONIQUES
[72] LOVETT, MATTHEW DENTON, US
[71] SPECTRUM BRANDS, INC., US
[22] 2021-10-01
[41] 2022-04-02
[30] US (63/086,649) 2020-10-02

[21] **3,132,574**
[13] A1

[51] **Int.Cl. F25B 45/00 (2006.01) F16L**
41/02 (2006.01)
[25] EN
[54] **INTEGRATED SENSOR AND**
SERVICE PORT WITH ANTI-
BLOWBACK FEATURE FOR
HVAC EQUIPMENT OR HVAC
SYSTEM
[54] **CAPTEUR INTEGRE PORT DE**
MAINTENANCE AVEC
FONCTION CONTRE LE RETOUR
DE GAZ POUR DE
L'EQUIPEMENT CVC OU UN
SYSTEME CVC
[72] CRUZ, MARIO A., US
[72] HARLAND, CHARLES PETER, US
[72] PFEIFLE, MAXIMILIAN
ALEXANDER, US
[71] WATSCO VENTURES LLC, US
[22] 2021-09-30
[41] 2022-03-30
[30] US (17/039,200) 2020-09-30

[21] **3,132,591**
[13] A1

[51] **Int.Cl. B61D 17/00 (2006.01)**
[25] EN
[54] **HOURLASS AUTORACK CAR**
WAGON PORTE-AUTOMOBILES
EN SABLIER
[72] RICHMOND, SHAUN, US
[72] MCGHEE, BRANT R., US
[72] HUCK, KENNETH W., US
[71] TRINITY NORTH AMERICAN
FREIGHT CAR, INC., US
[22] 2021-09-30
[41] 2022-04-01
[30] US (17/061,210) 2020-10-01

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[21] **3,132,659**
[13] A1

[51] **Int.Cl. B62D 31/02 (2006.01) B60P 3/35 (2006.01) B62D 25/00 (2006.01)**
[25] EN
[54] **RV SHELL AND METHOD OF MANUFACTURE**
[54] **COQUILLE DE VEHICULE RECREATIF ET METHODE DE FABRICATION**
[72] CONNOLLY, JOHN EUGENE, US
[71] THOR TECH, INC., US
[22] 2021-09-30
[41] 2022-03-30
[30] US (17/039,179) 2020-09-30

[21] **3,132,665**
[13] A1

[51] **Int.Cl. G09B 21/02 (2006.01)**
[25] EN
[54] **SECURE TACTILE DISPLAY SYSTEMS**
[54] **SYSTEMES D'AFFICHAGE TACTILE SECURISES**
[72] RAFFERTY, GALEN, US
[72] WALTERS, AUSTIN, US
[72] GOODSITT, JEREMY, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2021-09-30
[41] 2022-04-01
[30] US (17/061379) 2020-10-01

[21] **3,132,667**
[13] A1

[51] **Int.Cl. H04L 41/0866 (2022.01) H04L 41/12 (2022.01) H04L 41/14 (2022.01) G05B 19/048 (2006.01)**
[25] EN
[54] **METHOD FOR VALIDATING AN ETHERNET CONFIGURATION OF AN AUTOMATION SYSTEM**
[54] **METHODE DE VALIDATION D'UNE CONFIGURATION ETHERNET D'UN SYSTEME D'AUTOMATISATION**
[72] DUFRENE, PIERRE, FR
[71] SCHNEIDER ELECTRIC INDUSTRIES SAS, FR
[22] 2021-09-30
[41] 2022-03-30
[30] EP (20306123.9) 2020-09-30

[21] **3,132,678**
[13] A1

[51] **Int.Cl. A61G 10/02 (2006.01)**
[25] EN
[54] **PORTABLE NEGATIVE PRESSURE ISOLATION UNIT**
[54] **UNITE D'ISOLATION PORTATIVE A PRESSION NEGATIVE**
[72] CURIAL, MARC, CA
[72] TERRIFF, CHRIS, CA
[72] COMEAU, WILL, CA
[72] MCCONKEY, RYLEY, CA
[71] MACH32 INC., CA
[22] 2021-09-30
[41] 2022-04-01
[30] US (63/086,301) 2020-10-01

[21] **3,132,687**
[13] A1

[51] **Int.Cl. A47C 17/86 (2006.01) A47B 87/00 (2006.01) F16B 12/00 (2006.01)**
[25] EN
[54] **MODULAR SOFA WITH ADJUSTABLE SEAT**
[54] **SOFA MODULAIRE AVEC SIEGE AJUSTABLE**
[72] CARON, FRANCOIS, CA
[72] BELAND, PHILIPPE, CA
[71] TRICA INC., CA
[22] 2021-10-01
[41] 2022-04-01
[30] US (63/086,150) 2020-10-01

[21] **3,132,703**
[13] A1

[51] **Int.Cl. G06Q 50/30 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ARRANGING TRANSPORTATION SERVICE**
[54] **SYSTEME ET METHODE POUR CONFIGURER UN SERVICE DE TRANSPORT**
[72] KERR, DONALD, CA
[71] KERR, DONALD, CA
[22] 2021-10-01
[41] 2022-04-02
[30] US (63/086,712) 2020-10-02

[21] **3,132,853**
[13] A1

[51] **Int.Cl. A61L 9/20 (2006.01) F24F 1/0328 (2019.01) B01D 46/50 (2006.01) B60H 3/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS USEFUL FOR AIR TREATMENT IN A VEHICLE**
[54] **SYSTEMES ET METHODES UTILES POUR LE TRAITEMENT D'AIR DANS UN VEHICULE**
[72] FILLENWARTH, DANIEL P., US
[71] FILLENWARTH, DANIEL P., US
[22] 2021-10-01
[41] 2022-04-01
[30] US (63/086533) 2020-10-01

[21] **3,132,907**
[13] A1

[51] **Int.Cl. B65F 1/14 (2006.01) B65D 43/26 (2006.01) B65D 50/14 (2006.01) B65F 1/12 (2006.01)**
[25] EN
[54] **LOCKING DEVICE AND RELATED METHODS**
[54] **DISPOSITIF DE VERROUILLAGE ET METHODES CONNEXES**
[72] MARTIN, JAMES L., II, US
[72] REEB, DAVID L., US
[71] SERIO-US INDUSTRIES, INC., US
[22] 2021-10-01
[41] 2022-04-01
[30] US (63/086212) 2020-10-01

[21] **3,132,915**
[13] A1

[51] **Int.Cl. C08J 5/08 (2006.01) C08K 3/01 (2018.01) C08K 3/013 (2018.01) C08K 3/04 (2006.01) C08K 7/14 (2006.01) C08L 33/04 (2006.01) C08L 67/00 (2006.01)**
[25] EN
[54] **FIBREGLASS REINFORCED PLASTIC**
[54] **PLASTIQUE RENFORCE DE FIBRES DE VERRE**
[72] BEALE, LEWIS JOHN, AU
[71] HYDRAWALL PTY LTD, AU
[22] 2021-10-01
[41] 2022-04-02
[30] AU (2020903571) 2020-10-02
[30] US (63/090,848) 2020-10-13
[30] CA (3,105,263) 2021-01-07

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[21] **3,132,931**
[13] A1

[51] **Int.Cl. B23K 7/00 (2006.01) E21B 29/02 (2006.01) E21B 43/11 (2006.01)**

[25] EN

[54] **NON-MECHANICAL PORTED PERFORATING TORCH**

[54] **CHALUMEAU DE PERFORATION A ORIFICE NON MECANIQUE**

[72] WATKINS, TODD JOSEPH, US

[72] ZHANG, JIAN, US

[72] CHAMMAS, MICHEL, US

[71] CHAMMAS PLASMA CUTTERS LLC, US

[22] 2021-10-01

[41] 2022-04-02

[30] US (63/087,080) 2020-10-02

[30] US (63/212,299) 2021-06-18

[21] **3,132,955**
[13] A1

[51] **Int.Cl. H01B 7/04 (2006.01) G01N 3/20 (2006.01) H02G 1/06 (2006.01) H01B 3/44 (2006.01)**

[25] EN

[54] **ARMORED CABLE WITH REDUCED BEND RESISTANCE**

[54] **CABLE ARME AYANT UNE RESISTANCE AU CINTRAGE REDUITE**

[72] FAZIO, ROBERT, US

[72] SASSE, PHILIP, US

[72] POLLARD, BRAD, US

[72] ALEXANDER, PILL, US

[71] SOUTHWIRE COMPANY, LLC, US

[22] 2021-10-04

[41] 2022-04-02

[30] US (63/086,919) 2020-10-02

[21] **3,132,956**
[13] A1

[51] **Int.Cl. G02B 7/00 (2021.01) H05K 13/04 (2006.01)**

[25] EN

[54] **BUILDING OF OPTOMECHANICAL SYSTEMS USING SELF-ALIGNED REFERENCE BALLS**

[54] **FABRICATION DE SYSTEMES OPTOMECHANIQUES UTILISANT DES BALLE DE REFERENCE A ALIGNEMENT AUTOMATIQUE**

[72] GRENIER, MARTIN, CA

[72] DESNOYERS, NICHOLA, CA

[72] LAMONTAGNE, FREDERIC, CA

[72] LEGROS, MATHIEU, CA

[71] INSTITUT NATIONAL D'OPTIQUE, CA

[22] 2021-10-04

[41] 2022-04-02

[30] US (63/086,797) 2020-10-02

[21] **3,134,345**
[13] A1

[51] **Int.Cl. H02M 5/12 (2006.01)**

[25] EN

[54] **COMBINATION BACKUP POWER SUPPLY AND CURRENT SAVER**

[54] **BLOC D'ALIMENTATION DE SECOURS ET ECONOMISATEUR DE COURANT BINES**

[72] HARRIS, MARK, CA

[71] HARRIS, MARK, CA

[22] 2021-10-15

[41] 2022-03-29

[21] **3,134,714**
[13] A1

[51] **Int.Cl. B23K 9/32 (2006.01) B23K 37/00 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR CONTROLLING WELDING FUME EXTRACTION**

[54] **METHODES ET SYSTEMES POUR CONTROLER L'EXTRACTION DE FUMEE DE SOUDURE**

[72] RITCHOT, ROB, CA

[72] TREMBLAY, SEBASTIEN, CA

[71] LINCOLN GLOBAL, INC., US

[22] 2021-09-28

[41] 2022-03-28

[30] US (17/034,327) 2020-09-28

[21] **3,135,433**
[13] A1

[51] **Int.Cl. H05K 1/18 (2006.01) H01R 12/58 (2011.01) H01R 43/00 (2006.01) H05K 13/00 (2006.01)**

[25] EN

[54] **POWER MODULE AND PROCESS FOR MANUFACTURING THE SAME**

[54] **MODULE D'ALIMENTATION ET PROCEDE DE FABRICATION**

[72] MATTHIAS, SVEN, CH

[72] SCHNELL, RAFFAEL M., CH

[72] TOKER, CHANTAL I. T., CH

[71] SWISSEM TECHNOLOGIES AG, CH

[22] 2021-10-22

[41] 2022-03-31

[30] EP (20 203 681.0) 2020-10-23

[30] EP (21 180 413.3) 2021-06-18

[21] **3,135,466**
[13] A1

[51] **Int.Cl. G06Q 40/02 (2012.01) G06Q 10/04 (2012.01)**

[25] EN

[54] **USER LOAN WILLINGNESS PREDICTION METHOD AND DEVICE AND COMPUTER SYSTEM**

[54] **METHODE ET DISPOSITIF DE PREDICTION DE LA VOLONTE DE PRET D'UTILISATEUR**

[72] LI, QIANWEN, CN

[71] 10353744 CANADA LTD., CA

[22] 2021-09-28

[41] 2022-03-28

[30] CN (202011043449.8) 2020-09-28

[21] **3,135,469**
[13] A1

[51] **Int.Cl. G06Q 40/02 (2012.01)**

[25] EN

[54] **DEFAULT LOSS RATE PREDICTION METHOD AND DEVICE**

[54] **METHODE ET DISPOSITIF DE PREDICTION DU TAUX DE PERTE EN CAS DE MANQUEMENT**

[72] WEN, SHENGYANG, CN

[71] 10353744 CANADA LTD., CA

[22] 2021-09-30

[41] 2022-03-30

[30] CN (202011058633.X) 2020-09-30

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[21] **3,135,471**
[13] A1

[51] **Int.Cl. H04L 9/32 (2006.01) G10L 17/24 (2013.01)**
[25] EN
[54] **APP LOGIN VERIFICATION METHOD AND DEVICE AND COMPUTER READABLE STORAGE MEDIUM**
[54] **METHODE ET DISPOSITIF DE VERIFICATION DE CONNEXION A UNE APPLICATION ET SUPPORT DE STOCKAGE INFORMATIQUE**
[72] DING, JINFEI, CN
[71] 10353744 CANADA LTD., CA
[22] 2021-09-30
[41] 2022-03-30
[30] CN (202011056334.2) 2020-09-30

[21] **3,136,514**
[13] A1

[51] **Int.Cl. F21S 8/00 (2006.01) F21K 9/00 (2016.01) F21S 8/08 (2006.01) F21S 9/03 (2006.01) F21V 19/00 (2006.01)**
[25] EN
[54] **SOLAR LIGHT FIXTURE FOR PLAYGROUND POST CAP**
[54] **APPAREIL D'ECLAIRAGE SOLAIRE POUR LES CAPUCHONS DE POTEAUX D'UN TERRAIN DE JEU**
[72] BARBER, JEFFREY, B., US
[72] HOBSON, JOHN, BLAKE, US
[72] PARODY, MICHAEL, L., US
[72] EGAN, D. TAFT, US
[72] ERDLEY, PHILIP, M., US
[72] KARCHNER, STEVE, US
[71] PLAYPOWER, INC., US
[22] 2021-10-28
[41] 2022-03-29
[30] US (17/084,054) 2020-10-29

[21] **3,139,915**
[13] A1

[51] **Int.Cl. G06N 3/04 (2006.01) G06N 3/08 (2006.01)**
[25] EN
[54] **CLUSTER-CONNECTED NEURAL NETWORK**
[54] **RESEAU NEURONAL CONNECTE A DES GRAPPES**
[72] DAVID, ELI, IL
[72] RUBIN, ERI, IL
[71] DEEPCUBE LTD., IL
[22] 2021-11-23
[41] 2022-03-30
[30] US (17/095,154) 2020-11-11

[21] **3,141,977**
[13] A1

[51] **Int.Cl. B60C 23/00 (2006.01)**
[25] EN
[54] **ROTARY TRANSMISSION LEADTHROUGH AS PART OF A TIRE PRESSURE CONTROL SYSTEM**
[54] **TRAVERSEE DE TRANSMISSION ROTATIVE COMME ELEMENT D'UN SYSTEME DE CONTROLE DE LA PRESSION DE PNEU**
[72] TIGGES, MARTIN, DE
[71] PTG REIFENDRUCKREGELSYSTEME GMBH, DE
[22] 2021-12-13
[41] 2022-03-28
[30] US (17/211,318) 2021-03-24

[21] **3,144,370**
[13] A1

[51] **Int.Cl. E05D 13/00 (2006.01) E05D 15/08 (2006.01) E06B 3/46 (2006.01) E06B 7/16 (2006.01)**
[25] EN
[54] **INTEGRATED GUIDE SYSTEM AND DOOR SEAL FOR A SOFT CLOSE SLIDING DOOR**
[54] **SYSTEME GUIDE INTEGRE ET JOINT DE PORTE POUR UNE PORTE COULISSANTE A FERMETURE DOUCE**
[72] HAWKINSON, WILLIAM, US
[72] WARD, BETTY KAY, US
[71] ASSA ABLOY ACCESSORIES AND DOOR CONTROLS GROUP, INC., US
[22] 2021-09-24
[41] 2022-03-28
[30] US (17/034,689) 2020-09-28

[21] **3,145,720**
[13] A1

[51] **Int.Cl. F24F 1/03 (2019.01) F24F 1/029 (2019.01) F24D 15/02 (2006.01) F24F 12/00 (2006.01) F24F 13/30 (2006.01)**
[25] EN
[54] **INTEGRATED HEAT PUMP SYSTEM**
[54] **SYSTEME DE THERMOPOMPE INTEGRE**
[72] WARDROP, WALTER, CA
[72] BARBER, NICHOLAS, CA
[71] HYBRID ENERGIES ALTERNATIVE TECHNOLOGIES INC., CA
[22] 2022-01-14
[41] 2022-03-28

[21] **3,147,550**
[13] A1

[25] EN
[54] **REMOTELY MONITORING USERS AND GENERATING EMERGENCY EVENT CODE TEMPORARILY ALLOWING EMERGENCY DISPATCHER TO ACCESS COLLECTED DATA FOR USER EXPERIENCING EMERGENCY**
[54] **SURVEILLANCE A DISTANCE D'UTILISATEURS ET GENERATION D'UN CODE D'EVENEMENT D'URGENCE DONNANT TEMPORAIREMENT A UN COORDONNATEUR D'URGENCE L'ACCES A DES DONNEES RECUEILLIES SUR UN UTILISATEUR EN SITUATION D'URGENCE**
[72] LEWIS, BRENNAN DOUGLAS, CA
[71] EFORCE RECOVERY SYSTEM INC., CA
[22] 2022-02-03
[41] 2022-03-31

[21] **3,149,081**
[13] A1

[51] **Int.Cl. B05B 1/30 (2006.01)**
[25] EN
[54] **DISPENSING NOZZLE BUSE DE DISTRIBUTION**
[72] KUNTER, STEFAN, DE
[72] VIETS, SEBASTIAN, DE
[71] ELAFLEX HIBY GMBH & CO. KG, DE
[22] 2021-09-24
[41] 2022-03-29
[30] EP (20198851.6) 2020-09-29

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[21] **3,134,719**
[13] A1

[51] **Int.Cl. C09K 8/80 (2006.01) C09K 8/72 (2006.01)**

[25] EN

[54] **PROPPANT COMPOSITIONS HAVING PORTLAND CEMENT CLINKER AND METHODS OF USE**

[54] **COMPOSITIONS D'AGENT DE SOUTÈNEMENT COMPRENANT DU CLINKER DE CIMENT PORTLAND ET PROCÈDES D'UTILISATION ASSOCIÉS**

[72] REDDY, B. RAGHAVA, US

[72] LIANG, FENG, US

[71] SAUDI ARABIAN OIL COMPANY, SA

[85] 2021-09-22

[86] 2020-04-15 (PCT/US2020/028238)

[87] (WO2020/214653)

[30] US (16/383,916) 2019-04-15

[21] **3,145,921**
[13] A1

[51] **Int.Cl. F04D 17/08 (2006.01) F04D 17/18 (2006.01) F04D 29/08 (2006.01) F04D 31/00 (2006.01)**

[25] EN

[54] **CENTRIFUGAL AIR COMPRESSOR AND CONTROL**

[54] **PROCEDE DE FABRICATION DE MICROSTRUCTURES**

[72] PECHEANU, CRISTINEL, CA

[71] PECHEANU AIR COMPRESSORS INC, CA

[85] 2022-01-26

[86] 2021-08-18 (PCT/CA2021/051144)

[87] (3145921)

[30] US (63/084,540) 2020-09-28

[21] **3,147,166**
[13] A1

[25] EN

[54] **ESTIMATING TIME FOR IMPLEMENTING CHANGES TO DISPLAY FIXTURES**

[54] **ESTIMATION DU TEMPS DE MISE EN ŒUVRE DE CHANGEMENTS A DES APPAREILS DE PRÉSENTATION**

[72] VISE, SAMUEL ARTHUR, CA

[72] DIMIC, RANKO, CA

[71] UNEFI INC., CA

[85] 2022-03-03

[86] 2021-09-28 (PCT/CA2021/051363)

[87] (3147166)

[30] US (63/085,582) 2020-09-30

[21] **3,148,152**
[13] A1

[51] **Int.Cl. A61M 37/00 (2006.01) B33Y 80/00 (2015.01) B29C 35/08 (2006.01) B29C 37/00 (2006.01)**

[25] EN

[54] **METHOD OF MANUFACTURING MICROSTRUCTURES**

[54] **PROCEDE DE FABRICATION DE MICROSTRUCTURES**

[72] BAMSEY, RYAN, GB

[72] CAMELIU ICHIM, IONUT, GB

[71] INNOTURE IP LIMITED, GB

[85] 2022-02-15

[86] 2020-08-20 (PCT/GB2020/052007)

[87] (WO2021/032991)

[30] GB (1911909.8) 2019-08-20

[21] **3,148,157**
[13] A1

[51] **Int.Cl. A61F 2/16 (2006.01)**

[25] EN

[54] **INTRAOCULAR PSEUDOPHAKIC CONTACT LENS WITH MECHANISM FOR SECURING BY ANTERIOR LEAFLET OF CAPSULAR WALL AND RELATED SYSTEM AND METHOD**

[54] **LENTILLE DE CONTACT INTRAOCULAIRE PSEUDOPHAKIQUE AVEC MECANISME DE FIXATION PAR FEUILLET ANTERIEUR DE PAROI CAPSULAIRE ET SYSTEME ET METHODE ASSOCIES**

[72] CADY, KEVIN J., US

[71] ONPOINT VISION, INC., US

[85] 2022-02-15

[86] 2020-11-18 (PCT/US2020/061099)

[87] (WO2021/126451)

[30] US (16/717,304) 2019-12-17

[21] **3,148,159**
[13] A1

[51] **Int.Cl. C11B 1/10 (2006.01) B01D 11/02 (2006.01)**

[25] EN

[54] **METHOD FOR THE PREPARATION OF CANNABIS OIL**

[54] **PROCEDE DE PREPARATION D'HUILE DE CANNABIS**

[72] MAMMO ZAGARELLA, DIEGO, IT

[72] SILVANO, ALFREDO, IT

[72] BONGIORNO, PAOLO, IT

[72] ALBA, PASQUALE, IT

[71] ENERGIAMENTE S.R.L., IT

[71] BONGIORNO, PAOLO, IT

[85] 2022-02-15

[86] 2020-08-20 (PCT/IB2020/057837)

[87] (WO2021/033161)

[30] IT (102019000014901) 2019-08-21

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[21] **3,148,183**
[13] A1

[51] **Int.Cl. C12N 1/21 (2006.01) C12N 9/90 (2006.01) C12N 15/61 (2006.01) C12N 15/70 (2006.01) C12P 13/08 (2006.01)**

[25] EN

[54] **ESCHERICHIA COLI-BASED RECOMBINANT STRAIN, CONSTRUCTION METHOD THEREFOR AND USE THEREOF**

[54] **SOUCHE RECOMBINEE A BASE D'ESCHERICHIA COLI ET SON PROCEDE DE CONSTRUCTION ET SON APPLICATION**

[72] MENG, GANG, CN
[72] WEI, AIYING, CN
[72] JIA, HUIPING, CN
[72] ZHAO, CHUNGUANG, CN
[72] ZHOU, XIAOQUN, CN
[72] MA, FENGYONG, CN
[72] GUO, XIAOWEI, CN
[72] TIAN, BIN, CN
[72] SU, HOUBO, CN
[72] YANG, LIPENG, CN
[71] INNER MONGOLIA EPPEN BIOTECH CO., LTD., CN
[85] 2022-02-15
[86] 2020-08-27 (PCT/CN2020/111840)
[87] (WO2021/037165)
[30] CN (201910804035.3) 2019-08-28
[30] CN (201910927600.5) 2019-09-27

[21] **3,148,184**
[13] A1

[51] **Int.Cl. A61M 5/24 (2006.01)**

[25] EN

[54] **METHODS AND APPARATUS FOR ASPECTS OF A DOSE DETECTION SYSTEM**

[54] **PROCEDES ET APPAREIL DESTINES A DES ASPECTS D'UN SYSTEME DE DETECTION DE DOSE**

[72] CORTINOVIS, MARCO, US
[72] KHANDAGALE, BHAKTI GIRISH, US
[72] MASSARI, ROSSANO CLAUDIO, US
[71] ELI LILLY AND COMPANY, US
[85] 2022-02-15
[86] 2020-08-19 (PCT/US2020/046937)
[87] (WO2021/034902)
[30] US (62/889,813) 2019-08-21

[21] **3,148,186**
[13] A1

[51] **Int.Cl. H04W 4/02 (2018.01)**

[25] EN

[54] **RELATIVE ANGLE-BASED POSITIONING METHOD AND APPARATUS**

[54] **PROCEDE ET APPAREIL DE POSITIONNEMENT BASE SUR ANGLE RELATIF**

[72] HUANG, SU, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-02-15
[86] 2020-07-05 (PCT/CN2020/100311)
[87] (WO2021/031714)
[30] CN (201910760340.7) 2019-08-16

[21] **3,148,187**
[13] A1

[51] **Int.Cl. G06T 7/11 (2017.01) G06T 7/194 (2017.01)**

[25] EN

[54] **GEOSPATIAL OBJECT GEOMETRY EXTRACTION FROM IMAGERY**

[54] **EXTRACTION DE GEOMETRIE D'OBJET GEOSPATIAL A PARTIR D'UNE IMAGERIE**

[72] STRONG, SHADRIAN, US
[71] PICTOMETRY INTERNATIONAL CORP., US
[85] 2022-02-15
[86] 2020-10-16 (PCT/US2020/056019)
[87] (WO2021/076914)
[30] US (62/923,200) 2019-10-18

[21] **3,148,191**
[13] A1

[51] **Int.Cl. G06F 16/906 (2019.01)**

[25] EN

[54] **CLASSIFICATION OF DATA USING AGGREGATED INFORMATION FROM MULTIPLE CLASSIFICATION MODULES**

[54] **CLASSIFICATION DE DONNEES A L'AIDE D'INFORMATIONS CUMULEES PROVENANT DE MULTIPLES MODULES DE CLASSIFICATION**

[72] TANDECKI, MICHAEL, BE
[72] MAES, MICHAEL, BE
[72] DE PAEPE, GRETTEL, BE
[72] FILIPIAK, ANNA, BE
[71] COLLIBRA NV, BE
[85] 2022-02-15
[86] 2020-08-12 (PCT/IB2020/057603)
[87] (WO2021/028855)
[30] US (16/542,016) 2019-08-15

[21] **3,148,199**
[13] A1

[51] **Int.Cl. B41F 27/10 (2006.01) B41F 13/10 (2006.01) B41F 27/14 (2006.01) F16C 13/00 (2006.01)**

[25] EN

[54] **METHOD FOR ASSEMBLING OR REMOVING A HOLLOW CYLINDER ON OR FROM A FURTHER CYLINDER AND ASSEMBLY AID**

[54] **PROCEDE D'ASSEMBLAGE OU D'ENLEVEMENT D'UN CYLINDRE CREUX D'UN AUTRE CYLINDRE OU SUR UN AUTRE CYLINDRE ET DISPOSITIF D'AIDE A L'ASSEMBLAGE**

[72] SCHWIERTZ, MARTIN, DE
[72] MULLER, UWE, DE
[72] BENNINK, KLAUS, DE
[71] FLINT GROUP GERMANY GMBH, DE
[85] 2022-02-15
[86] 2020-09-11 (PCT/EP2020/075479)
[87] (WO2021/048361)
[30] EP (19196732.2) 2019-09-11

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[21] **3,148,202**
[13] A1

[51] **Int.Cl. C12N 5/071 (2010.01) B33Y 80/00 (2015.01) B29C 64/106 (2017.01)**
[25] EN
[54] **BIO-PRINTED KIDNEY TISSUE**
[54] **TISSU RENAL BIO-IMPRIME**
[72] LITTLE, MELISSA H., AU
[72] LAWLOR, KYNAN, AU
[72] VANSLAMBROUCK, JESSICA, AU
[72] WILSON, SEAN, AU
[71] MURDOCH CHILDREN'S RESEARCH INSTITUTE, AU
[85] 2022-02-15
[86] 2020-08-21 (PCT/AU2020/050882)
[87] (WO2021/035291)
[30] AU (2019903094) 2019-08-23

[21] **3,148,204**
[13] A1

[51] **Int.Cl. G06Q 30/06 (2012.01) G06Q 20/06 (2012.01) G06Q 50/06 (2012.01) H02S 10/40 (2014.01) H02J 50/20 (2016.01) G06F 16/27 (2019.01)**
[25] EN
[54] **WIRELESS POWERED TRANSACTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE TRANSACTION ALIMENTES SANS FIL**
[72] OQAB, HAROON B., CA
[72] DIETRICH, GEORGE B., CA
[71] OQAB DIETRICH INDUCTION INC., CA
[85] 2022-02-15
[86] 2020-08-17 (PCT/CA2020/051126)
[87] (WO2021/030907)
[30] US (62/888,178) 2019-08-16

[21] **3,148,255**
[13] A1

[51] **Int.Cl. E21B 21/06 (2006.01)**
[25] EN
[54] **AUTOMATED FLUID SYSTEM**
[54] **SYSTEME DE FLUIDE AUTOMATISE**
[72] HAUGHS, JAMES, GB
[71] CLEAR SOLUTIONS (HOLDINGS) LIMITED, GB
[85] 2022-02-16
[86] 2020-08-18 (PCT/EP2020/073121)
[87] (WO2021/032750)
[30] GB (1911856.1) 2019-08-19

[21] **3,148,267**
[13] A1

[51] **Int.Cl. H05K 7/20 (2006.01)**
[25] EN
[54] **ELECTRONICS CHASSIS WITH OSCILLATING HEAT PIPE (OHP)**
[54] **CHASSIS ELECTRONIQUE A CALODUC OSCILLANT (OHP)**
[72] KIM, JOO HAN, US
[72] ANDERSON, JONATHAN, US
[72] HODEN, BRIAN, US
[71] ABACO SYSTEMS, INC., US
[85] 2022-02-16
[86] 2020-08-21 (PCT/US2020/047350)
[87] (WO2021/035125)
[30] US (16/548,284) 2019-08-22

[21] **3,148,269**
[13] A1

[51] **Int.Cl. A21B 1/22 (2006.01) A21B 1/40 (2006.01) A21B 1/46 (2006.01) A21B 1/50 (2006.01) A21B 3/00 (2006.01) H05B 3/00 (2006.01)**
[25] EN
[54] **DYNAMIC MODULATION AND BINARIZATION OF HEATING PROFILE AND CONVEYANCE SYSTEM WITHIN AN OVEN FOR HEATING BASED ON ENERGY AVAILABILITY**
[54] **MODULATION DYNAMIQUE ET BINARISATION D'UN PROFIL DE CHAUFFAGE ET SYSTEME DE TRANSPORT A L'INTERIEUR D'UN FOUR POUR UN CHAUFFAGE SUR LA BASE DE LA DISPONIBILITE D'ENERGIE**
[72] DE LUCA, NICHOLAS P., US
[71] DE LUCA OVEN TECHNOLOGIES, LLC, US
[85] 2022-02-16
[86] 2020-06-19 (PCT/US2020/038618)
[87] (WO2020/257567)
[30] US (62/863,346) 2019-06-19

[21] **3,148,273**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01) A61K 38/57 (2006.01) A61P 19/02 (2006.01) A61P 19/10 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS UTILIZING A NOVEL HUMAN FOXO3 ISOFORM**
[54] **COMPOSITIONS ET METHODES FAISANT APPEL A UNE NOUVELLE ISOFORME HUMAINE DE FOXO3**
[72] ZHAO, BAHONG, US
[71] NEW YORK SOCIETY FOR THE RELIEF OF THE RUPTURED AND CRIPPLED MAINTAINING THE HOSPITAL FOR SPECIAL SURGERY, US
[85] 2022-02-16
[86] 2020-08-14 (PCT/US2020/046292)
[87] (WO2021/034634)
[30] US (62/888,162) 2019-08-16

[21] **3,148,275**
[13] A1

[51] **Int.Cl. A61K 38/08 (2019.01) A61K 38/22 (2006.01) A61K 39/395 (2006.01) A61K 45/06 (2006.01) A61P 9/00 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **THERAPY GUIDANCE AND/OR THERAPY MONITORING FOR TREATMENT OF SHOCK**
[54] **ORIENTATION DE THERAPIE ET/OU SURVEILLANCE DE THERAPIE PERMETTANT LE TRAITEMENT D'UN CHOC**
[72] BERGMANN, ANDREAS, DE
[71] 4TEEN4 PHARMACEUTICALS GMBH, DE
[85] 2022-02-16
[86] 2020-08-28 (PCT/EP2020/074134)
[87] (WO2021/038078)
[30] EP (19194729.0) 2019-08-30
[30] EP (19201098.1) 2019-10-02

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[21] **3,148,280**
[13] A1

[51] **Int.Cl. H04B 7/024 (2017.01) H04W 76/10 (2018.01) H04W 88/08 (2009.01) H04W 88/12 (2009.01) H04W 92/20 (2009.01)**

[25] FR

[54] **METHODS AND DEVICES FOR PAIRING IN A WIRELESS NETWORK**

[54] **PROCEDES ET DISPOSITIFS D'APPAIRAGE DANS UN RESEAU SANS-FIL**

[72] FRIGOUT, ARNAUD, FR
[72] FAYE, STANISLAS, FR
[71] SAGEMCON BROADBAND SAS, FR
[85] 2022-02-16
[86] 2020-08-17 (PCT/EP2020/073016)
[87] (WO2021/032691)
[30] FR (FR1909317) 2019-08-21

[21] **3,148,281**
[13] A1

[51] **Int.Cl. B24D 13/14 (2006.01)**

[25] EN

[54] **FLOOR POLISHING APPARATUS**

[54] **APPAREIL DE POLISSAGE DE SOL**

[72] PALUSHAJ, SIMON, US
[71] DIAMABRUSH LLC, US
[85] 2022-02-16
[86] 2020-08-18 (PCT/US2020/046732)
[87] (WO2021/034790)
[30] US (62/888,847) 2019-08-19

[21] **3,148,282**
[13] A1

[51] **Int.Cl. G01N 35/00 (2006.01) B05C 5/00 (2006.01) B05D 1/26 (2006.01) C12M 1/34 (2006.01) G01N 33/48 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD OF FLUID DELIVERY**

[54] **SYSTEME ET PROCEDE DE DISTRIBUTION DE FLUIDE**

[72] GOYETTE, PIERRE-ALEXANDRE, CA
[72] GERVAIS, THOMAS, CA
[72] BOULAIS, ETIENNE, CA
[71] POLYVALOR, LIMITED PARTNERSHIP, CA
[85] 2022-02-16
[86] 2019-10-01 (PCT/CA2019/051402)
[87] (WO2020/069609)
[30] US (62/739,685) 2018-10-01

[21] **3,148,288**
[13] A1

[51] **Int.Cl. C07D 257/02 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01) C07F 5/00 (2006.01) C07F 7/00 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING RADIOACTIVE METAL COMPLEX**

[54] **PROCEDE DE PRODUCTION DE COMPLEXE METALLIQUE RADIOACTIF**

[72] IZAWA, AKIHIRO, JP
[72] IMAI, TOMOYUKI, JP
[72] KIRIU, MASATO, JP
[71] NIHON MEDI-PHYSICS CO., LTD., JP
[85] 2022-02-16
[86] 2020-08-04 (PCT/JP2020/029757)
[87] (WO2021/033530)
[30] JP (2019-151480) 2019-08-21

[21] **3,148,290**
[13] A1

[51] **Int.Cl. F21V 21/04 (2006.01) F21V 21/088 (2006.01)**

[25] EN

[54] **ADAPTER ASSEMBLY FOR LUMINAIRE**

[54] **ENSEMBLE ADAPTATEUR POUR LUMINAIRE**

[72] SMITH, CHARLES, AU
[72] RUST, MATHEW, AU
[72] CHRISTMAS, ELIZABETH, AU
[72] KRIGSMAN, MARCUS, AU
[72] HAYES, MARGAUX, AU
[72] NGUYEN, THI THANH THAO, AU
[72] BELL, JOSH, AU
[71] SPA ELECTRICS PTY LTD, AU
[85] 2022-02-16
[86] 2020-09-11 (PCT/AU2020/050973)
[87] (WO2021/051159)
[30] AU (2019903454) 2019-09-17

[21] **3,148,310**
[13] A1

[51] **Int.Cl. A61K 31/397 (2006.01) A61K 31/44 (2006.01) A61K 31/4402 (2006.01) C07D 205/04 (2006.01) C07D 213/04 (2006.01) C07D 213/06 (2006.01)**

[25] EN

[54] **KDM INHIBITORS AND USES THEREOF**

[54] **INHIBITEURS DE KDM ET LEURS UTILISATIONS**

[72] QI, JUN, US
[72] PARK, PAUL M., US
[72] ZHANG, XIAOFENG, US
[72] PEI, CHENG-KUI, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[71] ZHANG, XIAOFENG, US
[85] 2022-02-16
[86] 2020-09-10 (PCT/US2020/050165)
[87] (WO2021/050702)
[30] US (62/900,314) 2019-09-13

[21] **3,148,317**
[13] A1

[51] **Int.Cl. A61K 31/437 (2006.01) A61P 35/00 (2006.01) C07D 401/04 (2006.01) C07D 417/04 (2006.01) C07D 471/04 (2006.01)**

[25] EN

[54] **COMPOUNDS COMPRISING N-METHYL-2-PYRIDONE, AND PHARMACEUTICALLY ACCEPTABLE SALTS**

[54] **COMPOSES COMPRENANT DE LA N-METHYL-2-PYRIDONE ET SES SELS PHARMACEUTIQUEMENT ACCEPTABLES**

[72] WOODLAND, ANDREW, GB
[72] BELL, MARK, GB
[71] UNIVERSITY OF DUNDEE, GB
[85] 2022-02-16
[86] 2020-04-22 (PCT/EP2020/061173)
[87] (WO2020/216779)
[30] GB (1905721.5) 2019-04-24

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[21] **3,148,318**
[13] A1

[51] **Int.Cl. C07K 14/705 (2006.01)**
[25] EN
[54] **MATERIALS AND METHODS FOR ACTIVATING ANTIGEN-SPECIFIC T CELL RESPONSES**
[54] **MATERIAUX ET PROCEDES POUR ACTIVER DES REPONSES DE LYMPHOCYTES T SPECIFIQUES D'UN ANTIGENE**
[72] WU, JENNIFER D., US
[71] NORTHWESTERN UNIVERSITY, US
[85] 2022-02-16
[86] 2020-08-21 (PCT/US2020/047470)
[87] (WO2021/041238)
[30] US (62/890,933) 2019-08-23

[21] **3,148,319**
[13] A1

[51] **Int.Cl. C01B 3/00 (2006.01) C22C 14/00 (2006.01) C22F 1/00 (2006.01) C22F 1/02 (2006.01) C22F 1/18 (2006.01)**
[25] EN
[54] **HYDROGEN STORAGE MATERIAL, HYDROGEN STORAGE CONTAINER, AND HYDROGEN SUPPLY APPARATUS**
[54]
[72] OTSUKI, TAKAYUKI, JP
[72] HAYASHI, HIROKI, JP
[72] TAKATA, YOSHIHARU, JP
[72] NISHIGAKI, NOBORU, JP
[72] SAKUTA, ATSUSHI, JP
[71] SANTOKU CORPORATION, JP
[85] 2022-02-16
[86] 2020-08-07 (PCT/JP2020/030375)
[87] (WO2021/033582)
[30] JP (2019-150014) 2019-08-19

[21] **3,148,324**
[13] A1

[51] **Int.Cl. G06F 21/36 (2013.01) H04W 12/00 (2021.01) G06F 21/44 (2013.01)**
[25] EN
[54] **COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR SECURE IDENTIFICATION OF DISCONNECTED OBJECTS AND THEIR LOCATIONS**
[54] **PROCEDE ET SYSTEME MIS EN ?UVRE PAR ORDINATEUR POUR L'IDENTIFICATION SECURISEE D'OBJETS DECONNECTES ET DE LEURS EMPLACEMENTS**
[72] COLESANTO, ANGELO, IT
[72] MELEN, FABIO, IT
[71] FOODEA LAB S.R.L., IT
[85] 2022-02-16
[86] 2020-09-04 (PCT/IB2020/058245)
[87] (WO2021/044356)
[30] IT (102019000015701) 2019-09-05

[21] **3,148,325**
[13] A1

[51] **Int.Cl. B65G 1/04 (2006.01) B65G 1/137 (2006.01)**
[25] EN
[54] **A DELIVERY SYSTEM, AN AUTOMATED STORAGE AND RETRIEVAL SYSTEM AND A METHOD OF TRANSPORTING A CONTAINER**
[54] **SYSTEME DE DISTRIBUTION, SYSTEME DE STOCKAGE ET DE RECUPERATION AUTOMATISE, ET PROCEDE DE TRANSPORT D'UN CONTENEUR**
[72] AUSTRHEIM, TROND, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2022-02-16
[86] 2020-08-21 (PCT/EP2020/073559)
[87] (WO2021/032888)
[30] NO (20191009) 2019-08-22

[21] **3,148,329**
[13] A1

[51] **Int.Cl. A61P 35/00 (2006.01) A61P 35/04 (2006.01) A61P 37/00 (2006.01) A61P 37/06 (2006.01) A61P 37/08 (2006.01) C07K 14/55 (2006.01)**
[25] EN
[54] **TARGETED IMMUNOTOLERANCE WITH A PD-1 AGONIST**
[54] **IMMUNOTOLERANCE CIBLEE AVEC UN AGONISTE DE PD-1**
[72] HIGGINSON-SCOTT, NATHAN, US
[72] VINEY, JOANNE L., US
[72] OTIPOBY, KEVIN LEWIS, US
[72] ALIOTO, SALVATORE, US
[72] EDWARDS, LINDSAY J., US
[72] GLANVILLE, JACOB, US
[72] MAURER, DAVID, US
[72] IVES, SARAH, US
[72] YOUSSEF, SAWSAN, US
[72] SHANGHAVI, DEVANSHI, US
[72] SCHWIMMER, LAUREN, US
[71] PANDION THERAPEUTICS, INC., US
[85] 2022-02-16
[86] 2020-08-19 (PCT/US2020/046920)
[87] (WO2021/034890)
[30] US (62/888,694) 2019-08-19
[30] US (63/027,449) 2020-05-20

[21] **3,148,331**
[13] A1

[51] **Int.Cl. C07H 1/00 (2006.01) C07H 15/207 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING AN E-SELECTIN INHIBITOR INTERMEDIATE**
[54] **PROCEDE DE PREPARATION D'UN INTERMEDIAIRE INHIBITEUR DE LA E-SELECTINE**
[72] FLANNER, HENRY H., US
[72] PETERSON, JOHN M., US
[72] SARKAR, ARUN K., US
[72] MAGNANI, JOHN L., US
[72] OSSWALD, GERD, CH
[72] SCHWIZER, DANIEL, CH
[72] LANZ, MARC, CH
[72] KYAS, ANDREAS HELMUT BERND, DE
[71] GLYCOMIMETICS, INC., US
[85] 2022-02-16
[86] 2020-08-18 (PCT/US2020/046742)
[87] (WO2021/034796)
[30] US (62/889,326) 2019-08-20

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[21] **3,148,335**
[13] A1

[51] **Int.Cl. G01N 23/2008 (2018.01) G01N 33/68 (2006.01) G01N 23/207 (2018.01)**

[25] EN

[54] **OPTIMIZED ANALYTE DERIVATIZATION FOR SYNERGISTIC APPLICATION WITH CRYSTAL SPONGE METHOD**

[54] **DERIVATION OPTIMISEE D'ANALYTE POUR APPLICATION SYNERGIQUE AVEC UN PROCEDE D'EPONGE CRISTALLINE**

[72] HIERSE, WOLFGANG, DE
[71] MERCK PATENT GMBH, DE
[85] 2022-02-16
[86] 2020-08-26 (PCT/EP2020/073894)
[87] (WO2021/037937)
[30] EP (19194201.0) 2019-08-28
[30] EP (PCT/EP2019/073021) 2019-08-28

[21] **3,148,336**
[13] A1

[51] **Int.Cl. B21C 37/06 (2006.01) F16L 9/18 (2006.01) F28D 7/02 (2006.01) F28F 1/10 (2006.01) F28F 9/00 (2006.01) G03B 21/16 (2006.01)**

[25] EN

[54] **DATA CENTER COOLING SYSTEM AND RELATED METHODS**

[54] **SYSTEME DE REFROIDISSEMENT DE CENTRE DE DONNEES ET PROCEDES ASSOCIES**

[72] ROTH, JASON TODD, US
[71] ROTH, JASON TODD, US
[85] 2022-02-16
[86] 2020-08-19 (PCT/US2020/046998)
[87] (WO2021/034934)
[30] US (62/888,715) 2019-08-19

[21] **3,148,339**
[13] A1

[51] **Int.Cl. E06B 9/11 (2006.01) B29C 53/04 (2006.01) E06B 3/48 (2006.01) E06B 9/15 (2006.01) E06B 9/165 (2006.01)**

[25] EN

[54] **ROLLER DOOR**

[54]

[72] FISCHER, JORG, DE
[71] SEUSTER KG, DE
[85] 2022-02-16
[86] 2020-05-26 (PCT/EP2020/064500)
[87] (WO2021/052637)
[30] DE (10 2019 125 204.0) 2019-09-19

[21] **3,148,340**
[13] A1

[51] **Int.Cl. B21D 17/02 (2006.01) B21D 17/04 (2006.01)**

[25] EN

[54] **PIPE GROOVING DEVICE HAVING FLARED CUP**

[54] **DISPOSITIF DE RAINURAGE DE TUYAU COMPORTANT UNE COUPELLE EVASEE**

[72] DOLE, DOUGLAS R., US
[71] VICTAULIC COMPANY, US
[85] 2022-02-16
[86] 2020-08-20 (PCT/US2020/047151)
[87] (WO2021/035024)
[30] US (62/889,671) 2019-08-21

[21] **3,148,341**
[13] A1

[51] **Int.Cl. A61K 8/02 (2006.01) A61K 8/06 (2006.01) A61K 8/19 (2006.01)**

[25] EN

[54] **BIO-BASED AND BIODEGRADABLE ELASTOMER FOR COSMETIC AND PERSONAL CARE**

[54] **ELASTOMERE D'ORIGINE BIOLOGIQUE ET BIODEGRADABLE POUR SOINS COSMETIQUES ET PERSONNELS**

[72] CROOM, ANNA K., US
[72] LERUM, RONALD V., US
[72] GORMLEY, JOHN, US
[71] GRANT INDUSTRIES, INC., US
[85] 2022-02-16
[86] 2020-08-13 (PCT/US2020/046170)
[87] (WO2021/041046)
[30] US (62/893,968) 2019-08-30
[30] US (62/976,015) 2020-02-13

[21] **3,148,343**
[13] A1

[51] **Int.Cl. C04B 26/06 (2006.01) C04B 26/02 (2006.01) C04B 26/16 (2006.01) C04B 40/06 (2006.01) C08K 3/34 (2006.01) C08K 5/14 (2006.01) F16B 13/14 (2006.01)**

[25] EN

[54] **STORAGE STABLE HARDENER COMPOSITION FOR A REACTION RESIN**

[54] **COMPOSITION DE DURCISSEMENT STABLE AU STOCKAGE POUR UNE RESINE DE REACTION**

[72] KUMRU, MEMET-EMIN, DE
[72] BURGEL, THOMAS, DE
[71] HILTI AKTIENGESELLSCHAFT, LI
[85] 2022-02-16
[86] 2020-09-30 (PCT/EP2020/077300)
[87] (WO2021/069270)
[30] EP (19202360.4) 2019-10-10

[21] **3,148,346**
[13] A1

[51] **Int.Cl. F04D 25/02 (2006.01) F04D 29/057 (2006.01) F04D 29/063 (2006.01) F16N 13/10 (2006.01)**

[25] EN

[54] **AIR COMPRESSOR AND BLOWER**

[54] **COMPRESSEUR D'AIR ET SOUFFLANTE**

[72] HOKEY, DAVID CHARLES, US
[72] REDELMAN, GARY ALBERT, US
[72] SIMMONS, MATTHEW LYNN, US
[72] KUMAR, ARUN PRAKASH, US
[72] ROBERTS, RODNEY DALE, US
[72] SCHULTZ, JACQUE, US
[72] LEWIS, CARL RAYMOND, US
[72] BELL, DAVID A., US
[71] HOWDEN ROOTS LLC, US
[85] 2022-02-16
[86] 2020-09-09 (PCT/US2020/049850)
[87] (WO2021/050487)
[30] US (62/898,021) 2019-09-10

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[21] **3,148,347**
[13] A1

[51] **Int.Cl. C07K 14/00 (2006.01) C07K 14/605 (2006.01)**
[25] EN
[54] **METHODS OF MAKING INCRETIN ANALOGS**
[54] **PROCEDES DE FABRICATION D'ANALOGUES D'INCRETINE**
[72] KOPACH, MICHAEL E., US
[72] LU, YU, US
[72] TSUKANOV, SERGEY VLADIMIROVICH, US
[72] WHITE, TIMOTHY DONALD, US
[72] JALAN, ANKUR, US
[72] JAMES, JINJU, US
[72] KOBIERSKI, MICHAEL E., US
[71] ELI LILLY AND COMPANY, US
[85] 2022-02-16
[86] 2020-08-18 (PCT/US2020/046778)
[87] (WO2021/034815)
[30] US (62/888,756) 2019-08-19

[21] **3,148,349**
[13] A1

[51] **Int.Cl. F04B 43/00 (2006.01) F04B 43/04 (2006.01)**
[25] FR
[54] **PUMPING SYSTEM IN THE LAB-ON-A-CHIP FIELD**
[54] **SYSTEME DE POMPAGE DANS LE DOMAINE DES LABORATOIRES SUR PUCE**
[72] VIEILLE, VICTOR, FR
[72] DEVILLERS, THIBAUT, FR
[71] INSTITUT POLYTECHNIQUE DE GRENOBLE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] UNIVERSITE GRENOBLE ALPES, FR
[85] 2022-02-16
[86] 2020-09-10 (PCT/EP2020/075379)
[87] (WO2021/052865)
[30] FR (FR1910252) 2019-09-17

[21] **3,148,350**
[13] A1

[51] **Int.Cl. E04D 13/12 (2006.01) H02S 20/24 (2014.01) F24S 25/61 (2018.01) F24S 25/632 (2018.01) F24S 25/65 (2018.01) F16L 3/00 (2006.01) F24F 13/32 (2006.01)**
[25] EN
[54] **SUPPORT FOOT FOR A FREE STANDING STRUCTURE**
[54] **PIED DE SUPPORT DESTINE A UNE STRUCTURE AUTOPORTANTE**
[72] NIJDAM, FRANK, NL
[72] JUZAK, MAREK, NL
[71] J. VAN WALRAVEN HOLDING B.V., NL
[85] 2022-02-16
[86] 2019-09-04 (PCT/NL2019/050573)
[87] (WO2021/045610)

[21] **3,148,351**
[13] A1

[51] **Int.Cl. A61B 1/00 (2006.01) A61B 17/00 (2006.01) A61M 25/00 (2006.01) A61M 25/01 (2006.01) A61M 25/09 (2006.01) A61M 31/00 (2006.01) A61M 37/00 (2006.01)**
[25] EN
[54] **DEVICES FOR USE IN INTERVENTIONAL AND SURGICAL PROCEDURES AND METHODS OF USE THEREOF**
[54] **DISPOSITIFS DESTINES A ETRE UTILISES DANS DES ACTES CHIRURGICAUX ET INTERVENTIONNELS ET LEURS METHODES D'UTILISATION**
[72] AVERBUCH, DORIAN, IL
[72] AMIR, ELIRON, IL
[72] HARARI, BOAZ, IL
[72] SEZGANOV, DIMA, IL
[72] NEEMAN, RONEN, IL
[71] BODY VISION MEDICAL LTD., IL
[85] 2022-02-16
[86] 2020-08-14 (PCT/IB2020/000676)
[87] (WO2021/033025)
[30] US (62/888,288) 2019-08-16

[21] **3,148,352**
[13] A1

[51] **Int.Cl. C04B 26/06 (2006.01) C04B 40/06 (2006.01)**
[25] EN
[54] **STORAGE-STABLE, MULTI-COMPONENT REACTION RESIN SYSTEM AND USE OF SAME**
[54] **SYSTEME DE RESINE DE REACTION A COMPOSANTS MULTIPLES STABLE EN STOCKAGE ET UTILISATION ASSOCIEE**
[72] KUMRU, MEMET-EMIN, DE
[72] BURGEL, THOMAS, DE
[71] HILTI AKTIENGESSELLSCHAFT, LI
[85] 2022-02-16
[86] 2020-10-06 (PCT/EP2020/077988)
[87] (WO2021/069437)
[30] EP (19202355.4) 2019-10-10

[21] **3,148,353**
[13] A1

[51] **Int.Cl. B30B 11/00 (2006.01) B30B 15/02 (2006.01) G01N 3/08 (2006.01)**
[25] EN
[54] **POWDER IDENTIFICATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'IDENTIFICATION DE POUDRE**
[72] KAFEMAN, HENRY DAVID, GB
[72] GAMLEN, MICHAEL, GB
[71] GAMLEN TABLETING LIMITED, GB
[85] 2022-02-16
[86] 2019-08-20 (PCT/GB2019/052338)
[87] (WO2020/039182)
[30] GB (1813536.8) 2018-08-20

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[21] **3,148,356**
[13] A1

- [51] **Int.Cl. A61K 48/00 (2006.01) C07K 14/005 (2006.01) C12N 15/86 (2006.01)**
- [25] EN
- [54] **ENGINEERED ADENO-ASSOCIATED VIRUS CAPSIDS**
- [54] **CAPSIDES DE VIRUS ADENO-ASSOCIES MODIFIEES**
- [72] SABETI, PARDIS, US
- [72] TABEBORDBAR, MOHAMMADSHARIF, US
- [72] YE, SIMON, US
- [71] THE BROAD INSTITUTE, INC., US
- [71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
- [71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
- [85] 2022-02-16
- [86] 2020-09-11 (PCT/US2020/050534)
- [87] (WO2021/050974)
- [30] US (62/899,453) 2019-09-12

[21] **3,148,359**
[13] A1

- [51] **Int.Cl. A61L 2/00 (2006.01) A61L 2/02 (2006.01) A61L 2/08 (2006.01)**
- [25] EN
- [54] **STABLE PHARMACEUTICAL ARTICLES CONTAINING DILUTE POVIDONE IODINE FORMULATIONS**
- [54] **ARTICLES PHARMACEUTIQUES STABLES CONTENANT DES FORMULATIONS DILUEES DE POVIDONE IODEE**
- [72] LIANG, BO, US
- [72] ZHANG, MING, US
- [71] IVIEW THERAPEUTICS, INC., US
- [85] 2022-02-16
- [86] 2020-07-08 (PCT/US2020/041089)
- [87] (WO2021/034421)
- [30] US (62/888,523) 2019-08-18

[21] **3,148,360**
[13] A1

- [51] **Int.Cl. A61B 17/34 (2006.01) A61B 90/00 (2016.01) A61M 37/00 (2006.01)**
- [25] EN
- [54] **INJECTOR SYSTEM FOR DELIVERY OF A MEDICAL IMPLANT**
- [54] **SYSTEME D'INJECTEUR D'UN MARQUEUR DE REPERE**
- [72] BUFFAT, JEAN-MICHEL, FR
- [72] VAN BUTSELE, KATHY, BE
- [71] NOVALON SA, BE
- [85] 2022-02-16
- [86] 2020-08-25 (PCT/EP2020/073764)
- [87] (WO2021/037860)
- [30] BE (BE2019/5555) 2019-08-26

[21] **3,148,362**
[13] A1

- [51] **Int.Cl. A61K 31/56 (2006.01) A61K 31/573 (2006.01) A61K 47/36 (2006.01) A61P 27/02 (2006.01)**
- [25] EN
- [54] **IN-SITU GEL FORMING OPHTHALMIC FORMULATIONS CONTAINING DIFLUPREDNATE**
- [54] **FORMULATIONS OPHTALMIQUES FORMANT UN GEL IN SITU CONTENANT DU DIFLUPREDNATE**
- [72] LIANG, BO, US
- [72] ZHANG, MING, US
- [72] PENG, HAIZHOU, CN
- [71] IVIEW THERAPEUTICS, INC., US
- [71] IVIEW THERAPEUTICS (ZHUHAI) CO., LTD., CN
- [85] 2022-02-16
- [86] 2020-08-18 (PCT/US2020/046843)
- [87] (WO2021/034850)
- [30] US (62/888,534) 2019-08-18

[21] **3,148,363**
[13] A1

- [51] **Int.Cl. H05B 47/16 (2020.01) H05B 47/105 (2020.01) H05B 47/165 (2020.01) H05B 47/17 (2020.01)**
- [25] EN
- [54] **EVENT INDICATIONS OF HAZARDOUS ENVIRONMENT LUMINAIRES USING VISUAL SEQUENCES**
- [54] **LUMINAIRES D'INDICATIONS D'EVENEMENTS ENVIRONNEMENTAUX DANGEREUX A L'AIDE DE SEQUENCES VISUELLES**
- [72] GURJAR, RAVINDRA VIRAJ, IN
- [71] APPLETON GRP LLC, US
- [85] 2022-02-16
- [86] 2020-08-17 (PCT/US2020/046594)
- [87] (WO2021/041066)
- [30] IN (201921035199) 2019-08-31
- [30] US (16/738,898) 2020-01-09

[21] **3,148,364**
[13] A1

- [51] **Int.Cl. A61N 5/10 (2006.01) H05H 9/04 (2006.01)**
- [25] EN
- [54] **DEVICE FOR ULTRA-HIGH DOSE RATE RADIATION TREATMENT**
- [54] **DISPOSITIF PERMETTANT UN TRAITEMENT PAR RAYONNEMENT A DOSE ULTRA-ELEVEE**
- [72] BOURHIS, JEAN FRANCOIS MARIE, CH
- [72] VOZENIN, MARIE-CATHERINE SOPHINE, CH
- [72] GERMOND, JEAN-FRANCOIS, CH
- [72] WUENSCH, WALTER, CH
- [72] STAPNES, STEINAR, CH
- [72] GRUDIEV, ALEXEJ, CH
- [71] CENTRE HOSPITALIER UNIVERSITAIRE VAUDOIS (C.H.U.V), CH
- [71] CERN - EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH, CH
- [85] 2022-02-16
- [86] 2020-09-24 (PCT/EP2020/076662)
- [87] (WO2021/058624)
- [30] EP (19199864.0) 2019-09-26

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[21] **3,148,365**
[13] A1

[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/4192 (2006.01) A61K 31/431 (2006.01) A61P 29/00 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01)**

[25] EN

[54] **ALPHA-D-GALACTOPYRANOSIDE DERIVATIVES**

[54] **DERIVES D'ALPHA-D-GALACTOPYRANOSIDE**

[72] BOLLI, MARTIN, CH
[72] GATFIELD, JOHN, CH
[72] GRISOSTOMI, CORINNA, CH
[72] REMEN, LUBOS, CH
[72] SAGER, CHRISTOPH, CH
[72] ZUMBRUNN, CORNELIA, CH
[71] IDORSIA PHARMACEUTICALS LTD, CH

[85] 2022-02-16
[86] 2020-08-28 (PCT/EP2020/074121)
[87] (WO2021/038068)
[30] EP (PCT/EP2019/073063) 2019-08-29

[21] **3,148,367**
[13] A1

[51] **Int.Cl. C07D 263/24 (2006.01)**

[25] EN

[54] **METHOD FOR SYNTHESIZING N-SUBSTITUTED PHENYL-5-HYDROXYMETHYL-2-OXAZOLIDINONE**

[54] **PROCEDE DE SYNTHESE DE PHENYLE-5-HYDROXYMETHYL-2-OXAZOLIDINONE N-SUBSTITUE**

[72] YU, DIHU, CN
[72] WANG, QUAN, CN
[72] BAO, LEI, CN
[72] HOU, DAPENG, CN
[71] HANGZHOU DIKE TECHNOLOGIES CO., LTD., CN

[85] 2022-02-16
[86] 2020-02-10 (PCT/CN2020/074576)
[87] (WO2021/031533)
[30] CN (201910771167.0) 2019-08-20

[21] **3,148,369**
[13] A1

[51] **Int.Cl. A61K 39/12 (2006.01) A61K 48/00 (2006.01) C12N 15/86 (2006.01)**

[25] EN

[54] **A PROKARYOTIC-EUKARYOTIC HYBRID VIRAL VECTOR FOR DELIVERY OF LARGE CARGOS OF GENES AND PROTEINS INTO HUMAN CELLS**

[54] **VECTEUR VIRAL HYBRIDE PROCARYOTE-EUCARYOTE POUR L'ADMINISTRATION DE GRANDES CARGAISONS DE GENES ET DE PROTEINES DANS DES CELLULES HUMAINES**

[72] RAO, VENIGALLA B., US
[72] ZHU, JINGEN, US
[71] THE CATHOLIC UNIVERSITY OF AMERICA, US

[85] 2022-02-16
[86] 2020-08-12 (PCT/IB2020/057588)
[87] (WO2021/033082)
[30] US (62/888,576) 2019-08-19
[30] US (16/990,289) 2020-08-11

[21] **3,148,370**
[13] A1

[51] **Int.Cl. A61K 35/17 (2015.01) C12N 5/073 (2010.01) C12N 5/0735 (2010.01) C12N 5/074 (2010.01) A61K 35/545 (2015.01) A61K 35/54 (2015.01) A61K 39/00 (2006.01) A61P 37/06 (2006.01)**

[25] EN

[54] **CD24 EXPRESSING CELLS AND USES THEREOF**

[54] **CELLULES EXPRIMANT CD24 ET UTILISATIONS ASSOCIEES**

[72] SCHREPFER, SONJA, US
[72] HARR, STEVE, US
[71] SANA BIOTECHNOLOGY, INC., US

[85] 2022-02-16
[86] 2020-08-24 (PCT/US2020/047639)
[87] (WO2021/041316)
[30] US (62/891,180) 2019-08-23

[21] **3,148,374**
[13] A1

[25] EN

[54] **HEAT TREATMENT METHOD AND HEAT TREATMENT FURNACE**

[54]

[72] SUGIYAMA, MASAKI, JP
[72] TAKAHASHI, SHINICHI, JP
[72] TAKAHASHI, KENSUKE, JP
[72] TAKAHARA, KOSUKE, JP
[71] TOYOTA BOSHOKU KABUSHIKI KAISHA, JP
[71] KANTO YAKIN KOGYO CO., LTD., JP

[85] 2022-01-21
[86] 2021-07-12 (PCT/JP2021/026198)
[87] (3148374)
[30] JP (2020-131622) 2020-08-03

[21] **3,148,375**
[13] A1

[51] **Int.Cl. H04R 9/06 (2006.01) H04R 7/04 (2006.01) H04R 9/04 (2006.01)**

[25] EN

[54] **SPEAKER-ELEMENT AND SPEAKER COMPRISING SUCH A SPEAKER-ELEMENT**

[54] **ELEMENT DE HAUT-PARLEUR ET HAUT-PARLEUR COMPRENANT UN TEL ELEMENT DE HAUT-PARLEUR**

[72] KAMPERMAN, ANDRE, NL
[72] UYTDEWILLIGEN, FREDERIKUS HENDRIKUS GERARDUS, NL
[71] IF-ADAMAS B.V., NL

[85] 2022-02-16
[86] 2020-08-27 (PCT/NL2020/050528)
[87] (WO2021/040520)
[30] NL (2023714) 2019-08-27

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[21] **3,148,376**
[13] A1

[51] **Int.Cl. A61K 31/00 (2006.01) A61K 35/761 (2015.01) A61K 38/17 (2006.01) A61P 27/02 (2006.01) C12N 7/00 (2006.01) C12N 15/86 (2006.01)**

[25] EN

[54] **METHODS OF TREATING OCULAR NEOVASCULAR DISEASES USING AAV2 VARIANTS ENCODING AFLIBERCEPT**

[54] **METHODS DE TRAITEMENT DE MALADIES NEOVASCULAIRES OCULAIRES A L'AIDE DE VARIANTS D'AAV2 CODANT POUR L'AFLIBERCEPT**

[72] GASMI, MEHDI, US
[72] KISS, SZILARD, US
[72] OSBORNE, AARON, US
[72] TURPCU, ADAM, US
[71] ADVERUM BIOTECHNOLOGIES, INC., US

[85] 2022-02-16
[86] 2020-09-10 (PCT/US2020/050079)
[87] (WO2021/050649)
[30] US (62/899,070) 2019-09-11
[30] US (62/913,648) 2019-10-10
[30] US (PCT/US2019/062066) 2019-11-18
[30] US (62/959,784) 2020-01-10
[30] US (62/971,835) 2020-02-07
[30] US (63/019,190) 2020-05-01
[30] US (63/030,819) 2020-05-27
[30] US (63/063,203) 2020-08-07

[21] **3,148,381**
[13] A1

[51] **Int.Cl. F42D 1/055 (2006.01) F42D 3/04 (2006.01)**

[25] EN

[54] **ENERGY EFFICIENT WIRELESS DETONATOR SYSTEM**

[54] **SYSTEME DE DETONATEUR SANS FIL ECONOMIE EN ENERGIE**

[72] MAURISSENS, DANIEL AUGUSTE, ZA

[71] DETNET SOUTH AFRICA (PTY) LTD, ZA

[85] 2022-02-16
[86] 2020-09-04 (PCT/ZA2020/050045)
[87] (WO2021/051144)
[30] ZA (2019/05911) 2019-09-09

[21] **3,148,412**
[13] A1

[51] **Int.Cl. G06F 3/00 (2006.01) G06T 7/20 (2017.01) G08G 1/00 (2006.01)**

[25] EN

[54] **NON-CONTACT IDENTIFICATION OF MULTI-PERSON PRESENCE FOR ELDERLY CARE**

[54] **IDENTIFICATION SANS CONTACT DE LA PRESENCE DE MULTIPLES PERSONNES POUR DES SOINS AUX PERSONNES AGEES**

[72] RAMESH, SRIVATSAN, US
[72] HSU, KEVIN, US
[72] TAN, HUIYUAN, US
[72] COKE, TANIA ABEDIAN, US
[71] TELLUS YOU CARE, INC., US

[85] 2022-02-17
[86] 2020-07-16 (PCT/US2020/042263)
[87] (WO2021/025842)
[30] US (62/882,899) 2019-08-05

[21] **3,148,413**
[13] A1

[51] **Int.Cl. A61K 31/517 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **POZIOTINIB COMBINATION WITH VEGFR2 INHIBITORS AND METHODS OF USE THEREOF**

[54] **COMBINAISON DE POZIOTINIB AVEC DES INHIBITEURS DE VEGFR2 ET SES METHODES D'UTILISATION**

[72] REDDY, GURU, US
[71] SPECTRUM PHARMACEUTICALS, INC., US

[85] 2022-02-17
[86] 2020-08-21 (PCT/US2020/047489)
[87] (WO2021/041246)
[30] US (62/891,021) 2019-08-23

[21] **3,148,414**
[13] A1

[51] **Int.Cl. A61B 5/11 (2006.01) A61B 5/103 (2006.01) G01S 17/89 (2020.01) G06T 7/20 (2017.01) G06T 17/00 (2006.01)**

[25] EN

[54] **NON-CONTACT IDENTIFICATION OF GAIT DYNAMICS, PATTERNS AND ABNORMALITIES FOR ELDERLY CARE**

[54] **IDENTIFICATION SANS CONTACT DE DYNAMIQUE DE DEMARCHE, DE MODELES ET D'ACTIVITES ANORMALES POUR SOINS AUX PERSONNES AGEES**

[72] RAMESH, SRIVATSAN, US
[72] HSU, KEVIN, US
[72] COKE, TANIA ABEDIAN, US
[71] TELLUS YOU CARE, INC., US

[85] 2022-02-17
[86] 2020-05-29 (PCT/US2020/035040)
[87] (WO2020/247246)
[30] US (62/858,406) 2019-06-07

[21] **3,148,427**
[13] A1

[51] **Int.Cl. B01J 8/12 (2006.01) C10G 35/12 (2006.01) C10G 59/04 (2006.01) C10G 61/02 (2006.01)**

[25] EN

[54] **APPARATUS FOR CATALYTIC REFORMING HYDROCARBONS HAVING FLOW DISTRIBUTOR AND PROCESS FOR REFORMING HYDROCARBONS**

[54] **APPAREIL DE REFORMAGE CATALYTIQUE D'HYDROCARBURES AYANT UN REPARTITEUR D'ECOULEMENT ET PROCESSUS DE REFORMAGE D'HYDROCARBURES**

[72] MALEY, JOHN C., US
[72] LOK, KA LEUNG, US
[72] GROTT, JEFFREY R., US
[72] TIWARI, AMRESH KUMAR, US
[71] UOP LLC, US

[85] 2022-02-17
[86] 2020-08-18 (PCT/US2020/046733)
[87] (WO2021/041080)
[30] US (16/551,499) 2019-08-26

Demandes PCT entrant en phase nationale

[21] **3,148,428**
[13] A1

[51] **Int.Cl. A61K 8/899 (2006.01) A61Q 1/04 (2006.01)**
[25] EN
[54] **THIXOTROPIC DELIVERY SYSTEMS**
[54] **SYSTEMES D'ADMINISTRATION THIXOTROPE**
[72] SERBAN, MONICA, US
[71] UNIVERSITY OF MONTANA, US
[85] 2022-02-17
[86] 2020-06-25 (PCT/US2020/039551)
[87] (WO2021/040873)
[30] US (62/891,631) 2019-08-26

[21] **3,148,436**
[13] A1

[51] **Int.Cl. A61K 31/506 (2006.01) A61P 3/04 (2006.01) A61P 9/00 (2006.01) A61P 19/02 (2006.01) A61P 19/10 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 35/04 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **APPLICATION OF FLUORO-SUBSTITUTED 2-AMINOTHIAZOLE-5-AROMATIC CARBOXAMIDE**
[54] **APPLICATION DE CARBOXAMIDE 2-AMINOTHIAZOLE-5-AROMATIQUE FLUORO-SUBSTITUE**
[72] PI, SHIQING, CN
[72] XU, YAN, CN
[72] YANG, DAIHONG, CN
[72] ZHOU, ZHIGANG, CN
[71] HUNAN WARRANT PHARMACEUTICAL CO., LTD, CN
[71] HUNAN MEDICAL SCIENCE AND TECHNOLOGY DEVELOPMENT LIMITED COMPANY, CN
[71] HUNAN WARRANT PHARMACEUTICAL TECHNOLOGY DEVELOPMENT CO., LTD, CN
[85] 2022-02-17
[86] 2020-08-19 (PCT/CN2020/110061)
[87] (WO2021/032128)
[30] CN (201910767562.1) 2019-08-20

[21] **3,148,439**
[13] A1

[51] **Int.Cl. G10L 17/22 (2013.01) H04N 21/4725 (2011.01) H04N 21/8545 (2011.01)**
[25] EN
[54] **LIGHT FIELD DISPLAY SYSTEM FOR ADULT APPLICATIONS**
[54] **SYSTEME D'AFFICHAGE A CHAMP LUMINEUX POUR APPLICATIONS POUR ADULTES**
[72] KARAFIN, JONATHAN SEAN, US
[72] BEVENSEE, BRENDAN ELWOOD, US
[72] DOHM, JOHN, US
[71] LIGHT FIELD LAB, INC., US
[85] 2022-02-17
[86] 2019-09-13 (PCT/US2019/051178)
[87] (WO2021/050085)

[21] **3,148,453**
[13] A1

[51] **Int.Cl. B29C 64/112 (2017.01) B33Y 10/00 (2015.01) B33Y 70/00 (2020.01) H02K 1/22 (2006.01) H02K 15/00 (2006.01)**
[25] EN
[54] **FABRICATION OF SYNCHRONOUS RELUCTANCE MACHINES USING ADDITIVE MANUFACTURING**
[54] **FABRICATION DE MACHINES SYNCHRONES A RELUCTANCE FAISANT APPEL A LA FABRICATION ADDITIVE**
[72] IBRAHIM, MAGED, CA
[72] BERNIER, FABRICE, CA
[72] LAMARRE, JEAN-MICHEL, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2022-02-17
[86] 2020-08-06 (PCT/CA2020/051074)
[87] (WO2021/030900)
[30] US (62/890,110) 2019-08-22

[21] **3,148,462**
[13] A1

[51] **Int.Cl. B65D 5/72 (2006.01)**
[25] EN
[54] **CARTON AND CARTON BLANK THEREFOR**
[54] **CARTON ET DECOUPE DE CARTON ASSOCIEE**
[72] PADILLA, JESUS A., US
[71] WESTROCK SHARED SERVICES, LLC, US
[85] 2022-02-17
[86] 2020-08-17 (PCT/US2020/046706)
[87] (WO2021/034778)
[30] US (62/889,087) 2019-08-20

[21] **3,148,463**
[13] A1

[51] **Int.Cl. H04R 1/02 (2006.01)**
[25] EN
[54] **TEXTILE ASSEMBLIES FOR SPEAKERS, INCLUDING TEXTILE ASSEMBLIES WITH INLAID TENSIONING YARNS, AND ASSOCIATED APPARATUSES AND METHODS**
[54] **ENSEMBLES TEXTILES POUR HAUT-PARLEURS, COMPRENANT DES ENSEMBLES TEXTILES AVEC DES FILS DE TENSION INCRUSTES, ET APPAREILS ET PROCEDES ASSOCIES**
[72] SHUMAKER, LAURA CHARLOTTE, US
[72] HEGDE, SIDDHARTHA, US
[72] BAGUL, ANUJA, US
[72] TORRIE, DARREN, US
[72] RESNECK, MYRRHIA R., US
[72] MITTLEMAN, ADAM DUCKWORTH, US
[72] NARAYANAN, ADITYA, US
[71] GOOGLE LLC, US
[85] 2022-02-17
[86] 2021-03-15 (PCT/US2021/022334)
[87] (WO2021/211242)
[30] US (63/011,754) 2020-04-17

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[21] **3,148,464**
[13] A1

[51] **Int.Cl. B23B 31/12 (2006.01) B23B 25/06 (2006.01) B23B 31/02 (2006.01) B23B 31/10 (2006.01) B23B 31/16 (2006.01) B23Q 3/06 (2006.01)**

[25] EN

[54] **CHUCK WITH IMPROVED GRIPPING STROKE**

[54] **MANDRIN A COURSE DE PREHENSION AMELIOREE**

[72] KESTERKE, RICHARD M., US

[72] KINNEY, BRIAN LEE, US

[72] DUELL, DANIEL, US

[72] ZHANG, CHUN, US

[71] HARDINGE INC., US

[85] 2022-02-17

[86] 2020-08-27 (PCT/US2020/048176)

[87] (WO2021/041658)

[30] US (62/892,787) 2019-08-28

[21] **3,148,467**
[13] A1

[51] **Int.Cl. G16C 20/30 (2019.01) B01J 39/07 (2017.01) B01D 15/16 (2006.01) B01D 15/36 (2006.01) B01J 47/02 (2017.01) C07K 1/18 (2006.01)**

[25] EN

[54] **CATION CHROMATOGRAPHY USING PREDICTED ELUTION BUFFER SALT CONCENTRATION**

[54] **CHROMATOGRAPHIE CATIONIQUE FAISANT APPEL A LA CONCENTRATION EN SEL PREDITE DU TAMPON D'ELUTION**

[72] SCHAUBMAR, ANDREAS, DE

[72] WITTKOPP, FELIX, DE

[71] F. HOFFMANN-LA ROCHE AG, CH

[85] 2022-02-17

[86] 2020-09-24 (PCT/EP2020/025433)

[87] (WO2021/058132)

[30] EP (19199438.3) 2019-09-25

[21] **3,148,478**
[13] A1

[51] **Int.Cl. G16B 20/50 (2019.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR ASSESSING GENETIC VARIANTS**

[54] **PROCEDES ET SYSTEMES D'EVALUATION DE VARIANTS GENETIQUES**

[72] KREMLING, KARL ANTON GROTHE, US

[72] GOFF, STEPHEN, US

[72] MEI, WENBIN, US

[72] LI, RUIJUAN, US

[72] ALTMAN, ROSS EVERETT, US

[72] LEMMON, ZACHARY HARTFORD, US

[71] INARI AGRICULTURE, INC., US

[85] 2022-02-17

[86] 2020-08-21 (PCT/US2020/047464)

[87] (WO2021/035164)

[30] US (62/890,352) 2019-08-22

[30] US (62/988,252) 2020-03-11

[21] **3,148,481**
[13] A1

[51] **Int.Cl. C12C 12/00 (2006.01)**

[25] EN

[54] **YEAST FOR PREPARING BEVERAGES WITHOUT PHENOLIC OFF-FLAVORS**

[54] **LEVURE POUR LA PREPARATION DE BOISSONS SANS AROMES INDESIRABLES PHENOLIQUES**

[72] COLOMER, MARC SERRA, ES

[72] GOJKOVIC, ZORAN, DK

[72] FORSTER, JOCHEN, DK

[72] SOLODOVNIKOVA, NATALIA Y., DK

[72] FENNESSY, ROSS, DK

[71] CARLSBERG A/S, DK

[85] 2022-02-17

[86] 2020-08-28 (PCT/EP2020/074090)

[87] (WO2021/038048)

[30] DK (PA 2019 70543) 2019-08-30

[30] DK (PA 2019 70542) 2019-08-30

[21] **3,148,483**
[13] A1

[51] **Int.Cl. A61B 1/32 (2006.01) A61B 50/15 (2016.01) A61B 17/02 (2006.01)**

[25] EN

[54] **STERNAL ASCENDER APPARATUS**

[54] **APPAREIL ASCENDEUR STERNAL**

[72] SAUER, MD JUDE S., US

[72] DECLERCK, MATTHEW DAVID, US

[72] MARTELLARO, ANGELO JOHN, US

[72] BOSECK, BENJAMIN JAMES, US

[72] WRONA, MATTHEW, US

[71] LSI SOLUTIONS, INC., US

[85] 2022-02-17

[86] 2020-08-21 (PCT/US2020/047440)

[87] (WO2021/035151)

[30] US (62/889,690) 2019-08-21

[30] US (62/989,044) 2020-03-13

[30] US (62/916,591) 2019-10-17

[21] **3,148,487**
[13] A1

[51] **Int.Cl. B01J 19/24 (2006.01) H01M 8/04746 (2016.01) H01M 8/0612 (2016.01)**

[25] EN

[54] **MULTI-TUBULAR CHEMICAL REACTOR WITH IGNITER FOR INITIATION OF GAS PHASE EXOTHERMIC REACTIONS**

[54] **REACTEUR CHIMIQUE MULTITUBULAIRE A ALLUMEUR POUR LE DECLENCHEMENT DE REACTIONS EXOTHERMIQUES EN PHASE GAZEUSE**

[72] FINNERTY, CAINE M., US

[72] DEWALD, PAUL, US

[71] WATT FUEL CELL CORP., US

[85] 2022-02-17

[86] 2019-08-29 (PCT/US2019/048822)

[87] (WO2021/040720)

Demandes PCT entrant en phase nationale

[21] **3,148,488**
[13] A1

[51] **Int.Cl. G10L 15/22 (2006.01)**
[25] EN
[54] **VEHICLE AVATAR DEVICES FOR INTERACTIVE VIRTUAL ASSISTANT**
[54] **DISPOSITIFS D'AVATAR DE VEHICULE POUR ASSISTANT VIRTUEL INTERACTIF**
[72] ZHAO, SHENBIN, US
[72] LIN, JIANCHAO, US
[72] LI, NAN, US
[72] YU, DAVID, US
[72] SHIAH, LEI, US
[72] LIN, FATTY, US
[72] XU, BRUNO, US
[72] XIA, FENG, US
[72] LIU, FENG, US
[71] GERENCE OPERATING COMPANY, US
[85] 2022-02-17
[86] 2019-09-02 (PCT/CN2019/104012)
[87] (WO2021/042238)

[21] **3,148,490**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61K 31/5377 (2006.01) A61P 1/16 (2006.01) A61P 25/28 (2006.01) A61P 31/16 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **IMIDAZOPYRIDINE DERIVATIVE AND PHARMACEUTICAL COMPOSITION COMPRISING SAME AS ACTIVE INGREDIENT**
[54] **DERIVE D'IMIDAZOPYRIDINE ET COMPOSITION PHARMACEUTIQUE LE COMPRENANT EN TANT QUE PRINCIPE ACTIF**
[72] LEE, JAE WON, KR
[72] SON, DO HYUN, KR
[72] KANG, NAM SOOK, KR
[72] CHOI, SUNG WOOK, KR
[71] TSD LIFE SCIENCES CO., LTD., KR
[85] 2022-02-17
[86] 2020-08-31 (PCT/KR2020/011663)
[87] (WO2021/040502)
[30] KR (10-2019-0107013) 2019-08-30

[21] **3,148,495**
[13] A1

[51] **Int.Cl. C07K 14/705 (2006.01) C07K 16/24 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **USE OF CALCINEURIN INHIBITOR FREE CTLA4-IG + ANTI-IL6/IL6R FOR LONG TERM IMMUNOSUPPRESSION IN SOLID ORGAN TRANSPLANT RECIPIENTS**
[54] **UTILISATION DE CTLA4-IG + ANTI-IL6/IL6R SANS INHIBITEUR DE CALCINEURINE POUR UNE IMMUNOSUPPRESSION A LONG TERME CHEZ DES RECEVEURS DE TRANSPLANTATIONS D'UN ORGANE SOLIDE**
[72] JORDAN, STANLEY C., US
[72] VO, ASHLEY, US
[72] AMMERMAN, NORIKO, US
[72] HUANG, EDMUND, US
[72] KIM, IRENE, US
[71] CEDARS-SINAI MEDICAL CENTER, US
[85] 2022-02-17
[86] 2020-09-04 (PCT/US2020/049422)
[87] (WO2021/046361)
[30] US (62/895,836) 2019-09-04

[21] **3,148,497**
[13] A1

[51] **Int.Cl. G02F 1/163 (2006.01) E06B 9/24 (2006.01)**
[25] EN
[54] **CONTROL METHODS AND SYSTEMS USING OUTSIDE TEMPERATURE AS A DRIVER FOR CHANGING WINDOW TINT STATES**
[54] **PROCEDES ET SYSTEMES DE COMMANDE UTILISANT LA TEMPERATURE EXTERIEURE COMME PILOTE POUR CHANGER DES ETATS DE TEINTE DE FENETRE**
[72] KHANNA, NITIN, US
[72] RASMUS-VORRATH, JACK, US
[71] VIEW, INC., US
[85] 2022-02-17
[86] 2020-08-21 (PCT/US2020/047525)
[87] (WO2021/041261)
[30] US (62/891,102) 2019-08-23

[21] **3,148,503**
[13] A1

[51] **Int.Cl. B01J 20/20 (2006.01) C01B 32/30 (2017.01) B01J 20/28 (2006.01)**
[25] EN
[54] **PER- AND POLYFLUOROALKYL COMPOUND-ADSORBING ACTIVATED CARBON**
[54] **CHARBON ACTIF ADSORBANT UN COMPOSE PER-ET POLYFLUOROALKYLE**
[72] YAMASHITA, NOBUYOSHI, JP
[72] TANIYASU, SACHI, JP
[72] KOUSAKA, TSUTOMU, JP
[72] YOKOI, MAKOTO, JP
[72] HORI, CHIHARU, JP
[72] SHIMAMURA, KODAI, JP
[72] ASANO, TAKUYA, JP
[71] FUTAMURA KAGAKU KABUSHIKI KAISHA, JP
[71] NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY, JP
[85] 2022-02-17
[86] 2020-08-11 (PCT/JP2020/030575)
[87] (WO2021/033595)
[30] JP (2019-150393) 2019-08-20
[30] JP (2020-135048) 2020-08-07

[21] **3,148,509**
[13] A1

[51] **Int.Cl. C10G 31/06 (2006.01) C10G 55/04 (2006.01)**
[25] EN
[54] **SEPARATION OF VISCOUS OILS INTO COMPONENTS**
[54] **SEPARATION D'HUILES VISQUEUSES EN COMPOSANTS**
[72] GATES, IAN DONALD, CA
[72] WANG, JINGYI, CA
[71] SOLIDEUM INC., CA
[85] 2022-02-17
[86] 2020-08-21 (PCT/CA2020/051152)
[87] (WO2021/035345)
[30] US (62/891,135) 2019-08-23
[30] US (62/891,141) 2019-08-23

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[21] **3,148,513**
[13] A1

[51] **Int.Cl. C07C 51/347 (2006.01) C01B 15/023 (2006.01) C07C 37/07 (2006.01) C07C 45/67 (2006.01) C07C 51/09 (2006.01) C07C 51/353 (2006.01) C07C 51/36 (2006.01) C07C 51/60 (2006.01) C07C 67/303 (2006.01) C07C 67/333 (2006.01) C07C 67/343 (2006.01) C07C 253/00 (2006.01) C07C 253/20 (2006.01) C07C 255/56 (2006.01)**

[25] EN

[54] **PROCESS FOR MANUFACTURING A SUBSTITUTED CYCLOHEXANECARBONITRILE**

[54] **PROCEDE DE FABRICATION D'UN CYCLOHEXANECARBONITRILE SUBSTITUE**

[72] GUELEN, SIMON, FR
[72] LORENT, KAROL, BE
[72] CARLIER, JUAN-TEVA, BE
[71] SOLVAY SA, BE
[85] 2022-02-17
[86] 2020-09-11 (PCT/EP2020/075483)
[87] (WO2021/048364)
[30] EP (19196598.7) 2019-09-11

[21] **3,148,516**
[13] A1

[51] **Int.Cl. A61B 8/08 (2006.01) A61B 8/12 (2006.01) A61B 17/34 (2006.01)**

[25] EN

[54] **PARALLEL PATH PUNCTURE DEVICE GUIDE**

[54] **GUIDE DE DISPOSITIF DE PERFORATION A TRAJET PARALLELE**

[72] CERMAK, CRAIG JOSEPH, US
[71] INNOVACELL AG, AT
[85] 2022-02-17
[86] 2020-10-02 (PCT/US2020/053988)
[87] (WO2021/067734)
[30] US (62/911,057) 2019-10-04

[21] **3,148,517**
[13] A1

[51] **Int.Cl. H04W 40/22 (2009.01) H04B 7/185 (2006.01)**

[25] EN

[54] **GATEWAY DIVERSITY SWITCHING**

[54] **COMMUTATION DE PASSERELLE EN DIVERSITE**

[72] WHITEFIELD, DAVID, US
[72] TORRES, ROBERT JAMES, US
[72] BORDER, JOHN LEONARD, US
[72] ROOS, DAVID ALAN, US
[72] KAY, STANLEY EDWARD, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2022-02-17
[86] 2020-08-20 (PCT/US2020/047155)
[87] (WO2021/035027)
[30] US (16/546,060) 2019-08-20

[21] **3,148,520**
[13] A1

[51] **Int.Cl. C09D 109/06 (2006.01) C09D 123/26 (2006.01) C09D 125/02 (2006.01) C09D 169/00 (2006.01)**

[25] EN

[54] **COATING RESIN COMPOSITION, AND MOLDED PRODUCT**

[54] **COMPOSITION DE RESINE DE REVETEMENT, ET PRODUIT MOULE**

[72] OMATA, YUUKI, JP
[72] EGAWA, KAZUYA, JP
[72] ANDO, HIROKI, JP
[71] TECHNO-UMG CO., LTD., JP
[85] 2022-02-17
[86] 2020-08-24 (PCT/JP2020/031889)
[87] (WO2021/039741)
[30] JP (2019-154139) 2019-08-26

[21] **3,148,521**
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/395 (2006.01) C07K 16/00 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01) C12N 5/10 (2006.01)**

[25] EN

[54] **DEVELOPING AN EFFICIENT HYBRIDOMA PLATFORM FOR THERAPEUTIC ANTIBODY DISCOVERY**

[54] **DEVELOPPEMENT D'UNE PLATEFORME D'HYBRIDOME EFFICACE POUR LA DECOUVERTE D'ANTICORPS THERAPEUTIQUES**

[72] HAZEN, MEREDITH CARROLL, US
[72] LIN, ZHONGHUA, US
[72] SESHASAYEE, DHAYA, US
[71] GENENTECH, INC., US
[85] 2022-02-17
[86] 2020-08-28 (PCT/US2020/048440)
[87] (WO2021/041834)
[30] US (62/894,660) 2019-08-30

[21] **3,148,523**
[13] A1

[51] **Int.Cl. B60C 1/00 (2006.01) C08K 5/375 (2006.01) C08L 9/06 (2006.01)**

[25] FR

[54] **RUBBER COMPOSITION FOR A LARGE-SIZED TIRE**

[54] **COMPOSITION DE CAOUTCHOUC POUR PNEUMATIQUE DE GRANDE DIMENSION**

[72] CABIOCH, JEAN-LUC, FR
[72] MONOD, ANTHONY, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2022-02-17
[86] 2020-09-29 (PCT/FR2020/051699)
[87] (WO2021/064317)
[30] FR (FR1910790) 2019-09-30

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[21] **3,148,526**
[13] A1

[51] **Int.Cl. B23K 9/133 (2006.01) B21C 47/00 (2006.01) B23K 37/02 (2006.01) B65D 85/04 (2006.01) B65D 90/00 (2006.01) B65H 75/14 (2006.01) B65H 75/16 (2006.01)**

[25] EN
[54] **DRUM FOR WELDING WIRE**
[54] **TAMBOUR POUR FIL DE SOUDAGE**

[72] ZANETTI, PAOLO, IT
[71] SPAZZOLPLASTICA S.R.L., IT
[85] 2022-02-17
[86] 2020-07-27 (PCT/IB2020/057060)
[87] (WO2021/044229)
[30] IT (102019000015737) 2019-09-06

[21] **3,148,527**
[13] A1

[51] **Int.Cl. C07K 14/52 (2006.01) A61K 47/68 (2017.01) C07K 14/21 (2006.01) C07K 14/715 (2006.01)**

[25] EN
[54] **FUSION PROTEINS AND USES THEREOF**
[54] **PROTEINES DE FUSION ET LEURS UTILISATIONS**

[72] ROSENKILDE, METTE MARIE, DK
[72] JEPPESEN, MADDS GRAVERS, DK
[72] KLEDAL, THOMAS N., DK
[71] SYNKLINO APS, DK
[85] 2022-02-17
[86] 2020-09-03 (PCT/EP2020/074531)
[87] (WO2021/043863)
[30] EP (19195122.7) 2019-09-03

[21] **3,148,528**
[13] A1

[51] **Int.Cl. A61K 31/4545 (2006.01) A61P 35/00 (2006.01)**

[25] EN
[54] **DESLORATADINE AND/OR LORATADINE FOR TREATMENT AND/OR PROPHYLACTIC TREATMENT OF MELANOMA**
[54] **DESLORATADINE ET/OU LORATADINE POUR LE TRAITEMENT ET/OU LE TRAITEMENT PROPHYLACTIQUE D'UN MELANOME**

[72] OLSSON, HAKAN, SE
[71] BELINA PHARMA AB, SE
[85] 2022-02-17
[86] 2020-08-21 (PCT/SE2020/050805)
[87] (WO2021/040600)
[30] SE (1950968-6) 2019-08-23

[21] **3,148,530**
[13] A1

[51] **Int.Cl. H01M 10/052 (2010.01) H01M 4/1391 (2010.01)**

[25] EN
[54] **STRUCTURED ANODES FOR LITHIUM-BASED ENERGY STORAGE DEVICES**
[54] **ANODES STRUCTUREES POUR DISPOSITIFS DE STOCKAGE D'ENERGIE A BASE DE LITHIUM**

[72] O'TOOLE, TERRENCE R., US
[72] BREWER, JOHN C., US
[71] GRAPHENIX DEVELOPMENT, INC., US
[85] 2022-02-17
[86] 2020-08-19 (PCT/US2020/046970)
[87] (WO2021/034916)
[30] US (62/889,351) 2019-08-20

[21] **3,148,531**
[13] A1

[51] **Int.Cl. B65G 47/91 (2006.01) B25J 15/06 (2006.01)**

[25] EN
[54] **SUCTION UNIT AND SUCTION DEVICE**
[54] **UNITE D'ASPIRATION ET DISPOSITIF D'ASPIRATION**

[72] CARRSACO, CESAR, CH
[71] A O FORMAFLOON SWISS AG, CH
[85] 2022-02-17
[86] 2020-09-07 (PCT/EP2020/074977)
[87] (WO2021/048069)
[30] EP (19196589.6) 2019-09-10
[30] EP (19208051.3) 2019-11-08
[30] EP (20152029.3) 2020-01-15

[21] **3,148,532**
[13] A1

[51] **Int.Cl. E04F 15/02 (2006.01) E04F 15/04 (2006.01) E04F 15/10 (2006.01)**

[25] EN
[54] **SYSTEM FOR FASTENING SLATS**
[54] **SYSTEME DE FIXATION DE LATTES**

[72] PONTAROLO, VALERIO, IT
[72] PONTAROLO, LUCA, IT
[72] DEL RE, DANIELE, IT
[71] PONTAROLO ENGINEERING S.P.A., IT
[85] 2022-02-17
[86] 2020-11-20 (PCT/IB2020/060950)
[87] (WO2021/100002)
[30] IT (102019000021711) 2019-11-20

[21] **3,148,534**
[13] A1

[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/1473 (2006.01) A61B 5/1486 (2006.01)**

[25] EN
[54] **ANALYTE SENSORS AND SENSING METHODS FOR THE DETECTION OF ALCOHOL**
[54] **CAPTEURS D'ANALYTE ET PROCEDES DE DETECTION POUR LA DETECTION D'ALCOOL**

[72] OUYANG, TIANMEI, US
[72] FELDMAN, BENJAMIN J., US
[71] ABBOTT DIABETES CARE, INC., US
[85] 2022-02-17
[86] 2020-08-28 (PCT/US2020/048497)
[87] (WO2021/041875)
[30] US (62/894,306) 2019-08-30

[21] **3,148,535**
[13] A1

[51] **Int.Cl. G06F 16/41 (2019.01)**

[25] EN
[54] **SYSTEM AND METHOD OF BUILDING A DISTRIBUTED NETWORK FOR ESSENCE MANAGEMENT AND ACCESS**
[54] **SYSTEME ET PROCEDE DE CONSTRUCTION D'UN RESEAU DISTRIBUE POUR LA GESTION D'ESSENCE ET L'ACCES AU SUPPORT**

[72] CAIN, JAMES WESTLAND, GB
[72] RUSSELL, BEN, GB
[71] GRASS VALLEY LIMITED, GB
[85] 2022-02-17
[86] 2020-08-21 (PCT/GB2020/052027)
[87] (WO2021/032998)
[30] US (62/890,358) 2019-08-22
[30] US (16/998,226) 2020-08-20

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[21] **3,148,536**
[13] A1

[51] **Int.Cl. C07K 7/08 (2006.01) A61K 38/00 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **COMPSTATIN ANALOGUES AND THEIR MEDICAL USES**
[54] **ANALOGUES DE COMPSTATINE ET LEURS UTILISATIONS MEDICALES**
[72] SHELTON, ANNE PERNILLE TOFTENG, DK
[72] MUNCH, HENRIK FISCHER, DK
[71] ZP SPV 3 K/S, DK
[85] 2022-02-17
[86] 2020-08-26 (PCT/EP2020/073905)
[87] (WO2021/037942)
[30] EP (19193925.5) 2019-08-27
[30] EP (20172189.1) 2020-04-29

[21] **3,148,537**
[13] A1

[51] **Int.Cl. F02C 6/00 (2006.01) F01D 15/10 (2006.01) F02C 7/00 (2006.01) H02K 21/14 (2006.01) H02P 9/04 (2006.01)**
[25] EN
[54] **ELECTRIC GENERATOR AND MULTI-SHAFT GAS TURBINE ENGINE FOR AIRCRAFT EQUIPPED WITH ELECTRIC GENERATOR**
[54] **GENERATEUR D'ELECTRICITE ET MOTEUR A TURBINE A GAZ A ARBRES MULTIPLES D'AERONEF EQUIPE DUDIT GENERATEUR D'ELECTRICITE**
[72] SEKI, NAOKI, JP
[71] IHI CORPORATION, JP
[85] 2022-02-17
[86] 2020-06-18 (PCT/JP2020/023990)
[87] (WO2021/065100)
[30] JP (2019-179771) 2019-09-30

[21] **3,148,539**
[13] A1

[51] **Int.Cl. C08F 122/10 (2006.01) A61K 47/32 (2006.01) C08F 220/14 (2006.01)**
[25] EN
[54] **HYDROGELS AS ORAL DELIVERY DOSAGE FORMS, METHODS OF MAKING AND USING SAME**
[54] **HYDROGELS UTILISES COMME FORMES GALENIQUES A ADMINISTRER PAR VOIE ORALE, LEURS PROCEDES DE PREPARATION ET LEURS METHODES D'UTILISATION**
[72] GODFRIN, PAUL DOUGLAS, US
[71] GODFRIN, PAUL DOUGLAS, US
[85] 2022-02-17
[86] 2020-08-31 (PCT/US2020/048772)
[87] (WO2021/042043)
[30] US (62/893,529) 2019-08-29

[21] **3,148,541**
[13] A1

[51] **Int.Cl. H05H 9/00 (2006.01) G21K 5/04 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICES, AND METHODS FOR HIGH QUALITY ION BEAM FORMATION**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE FORMATION DE FAISCEAU D'IONS DE HAUTE QUALITE**
[72] DUNAEVSKY, ALEXANDER, US
[72] SMIRNOV, ARTEM N., US
[72] IVANOV, ALEXANDR A., US
[72] VEKSELMAN, VLADISLAV, US
[71] TAE TECHNOLOGIES, INC., US
[85] 2022-02-17
[86] 2020-08-28 (PCT/US2020/048416)
[87] (WO2021/045970)
[30] US (62/894,106) 2019-08-30
[30] US (62/894,220) 2019-08-30
[30] US (62/894,290) 2019-08-30
[30] US (62/895,203) 2019-09-03
[30] US (63/044,310) 2020-06-25

[21] **3,148,542**
[13] A1

[51] **Int.Cl. G06T 7/00 (2017.01)**
[25] EN
[54] **UNIVERSAL SLIDE VIEWER**
[54] **VISIONNEUSE UNIVERSELLE DE DIAPOSITIVES**
[72] SCHUEFFLER, PETER, US
[72] FUCHS, THOMAS, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
[85] 2022-02-17
[86] 2020-08-24 (PCT/US2020/047687)
[87] (WO2021/041343)
[30] US (62/890,953) 2019-08-23

[21] **3,148,543**
[13] A1

[51] **Int.Cl. G01S 7/02 (2006.01) G01S 13/93 (2020.01)**
[25] EN
[54] **SIGNAL TRANSMISSION METHOD AND APPARATUS, SIGNAL PROCESSING METHOD AND APPARATUS, AND RADAR SYSTEM**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION DE SIGNAL, PROCEDE ET DISPOSITIF DE TRAITEMENT DE SIGNAL ET SYSTEME RADAR**
[72] LIU, JINNAN, CN
[72] ZHOU, MU, CN
[72] LAO, DAPENG, CN
[72] YANG, CHEN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-02-17
[86] 2019-08-19 (PCT/CN2019/101408)
[87] (WO2021/031076)

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[51] Int.Cl. G06F 16/953 (2019.01) G06F 16/9538 (2019.01) G06Q 30/06 (2012.01)	[51] Int.Cl. H05B 45/14 (2020.01) H05B 45/32 (2020.01)	[51] Int.Cl. H02J 13/00 (2006.01) H04B 10/25 (2013.01) B60L 58/10 (2019.01) B60R 16/023 (2006.01) H05K 10/00 (2006.01)
[25] EN	[25] EN	[25] EN
[54] MULTIPLE PROVIDER SEARCH RESPONSE VERIFICATION AND INTEGRATION	[54] ILLUMINATION CONTROL SYSTEM	[54] REDUNDANT FIBER OPTIC NETWORK AND PROCESSING SYSTEM FOR ELECTRIC ENERGY SOURCE
[54] VERIFICATION ET INTEGRATION DE REPONSE DE RECHERCHE DE PRESTATAIRES MULTIPLES	[54] SYSTEME DE COMMANDE D'ECLAIRAGE	[54] RESEAU DE FIBRES OPTIQUES REDONDANT, SYSTEME DE TRAITEMENT POUR LA GESTION D'UNE SOURCE D'ENERGIE ELECTRIQUE ET METHODES CONNEXES
[72] SHAW, MAXWELL, US	[72] ARCHENHOLD, GEOFFREY	[72] GOURARI, ALEXANDRE, CA
[72] CAFFREY, KEVIN, US	HOWARD GILLET, GB	[72] WOJTKOWICZ, JOHN JOSEPH, CA
[72] FERRENTINO, MARC, US	[71] RADIANT RESEARCH LIMITED, GB	[72] STUBBS, DAVID, CA
[71] YEXT, INC., US	[85] 2022-02-17	[71] NEUTRON AUTOMOTIVE CONTROLS INC., CA
[85] 2022-02-17	[86] 2020-08-21 (PCT/GB2020/052015)	[85] 2022-02-07
[86] 2020-08-19 (PCT/US2020/047004)	[87] (WO2021/032995)	[86] 2021-09-28 (PCT/CA2021/051343)
[87] (WO2021/034936)	[30] GB (1912009.6) 2019-08-21	[87] (3149901)
[30] US (62/888,821) 2019-08-19		[30] US (63/084,977) 2020-09-29
	[21] 3,148,547 [13] A1	
	[51] Int.Cl. H02K 7/09 (2006.01) F16C 32/04 (2006.01)	
	[25] EN	
	[54] ELECTRIC MAGNETIC MOTOR	
	[54] MOTEUR ELECTRIQUE MAGNETIQUE	
	[72] LEE, SHOU-HSUN, CN	
	[72] LI, CHUN-I, CN	
	[71] LEE, SHOU-HSUN, CN	
	[71] LI, CHUN-I, CN	
	[85] 2022-02-17	
	[86] 2019-08-27 (PCT/CN2019/102685)	
	[87] (WO2021/035504)	
[21] 3,148,545 [13] A1		
[51] Int.Cl. A61N 1/372 (2006.01) A61B 5/11 (2006.01) A61N 1/05 (2006.01) A61N 1/08 (2006.01)		
[25] EN		
[54] SECURITY AND IDENTITY VERIFICATION FOR NEUROMODULATION THERAPY IMPLANT DEVICE PROGRAMMING		
[54] VERIFICATION DE SECURITE ET D'IDENTITE POUR PROGRAMMATION DE DISPOSITIF D'IMPLANT DE THERAPIE PAR NEUROMODULATION		
[72] PEPIN, BRIAN MARC, US		
[72] KOTZEV, MIROSLAV TCHAVDAROV, US		
[71] RUNE LABS, INC., US		
[85] 2022-02-17		
[86] 2020-08-20 (PCT/US2020/047241)		
[87] (WO2021/035072)		
[30] US (62/889,214) 2019-08-20		

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[21] **3,150,952**
[13] A1

[51] **Int.Cl. A61K 38/18 (2006.01) A61P 25/00 (2006.01) A61P 43/00 (2006.01) C07K 1/00 (2006.01) C07K 14/505 (2006.01)**

[25] EN

[54] **HUMAN RECOMBINANT HYPOSIALYLATED ERYTHROPOIETIN, METHODS OF PURIFICATION AND THERAPEUTIC USES THEREOF**

[54] **ERYTHROPOIETINE HUMAINE RECOMBINANTE HYPOSYALYLEE, PROCEDES DE PURIFICATION ET SES UTILISATIONS THERAPEUTIQUES**

[72] RODRIGUEZ OBAYA, TERESITA DE JESUS, CU

[72] AMARO GONZALEZ, DANIEL ENRIQUE, CU

[72] GARCIA ARTALEJO, JUDEY AYMED, CU

[72] SOSA TESTE, ILIANA MARIA, CU

[72] SARMIENTO CONDE, YANARA, CU

[72] HERNANDEZ DE LA ROSA, LOURDES, CU

[72] DIAZ GOIRE, DAYLI, CU

[72] GIMENEZ LOPEZ, ESTELA, ES

[71] CENTRO DE INMUNOLOGIA MOLECULAR, CU

[85] 2022-02-14

[86] 2020-02-19 (PCT/CU2020/050001)

[87] (WO2021/043345)

[30] CU (2019-0077) 2019-09-05

[21] **3,151,919**
[13] A1

[51] **Int.Cl. G21D 1/00 (2006.01) B63B 35/50 (2006.01) B63G 9/00 (2006.01) E02B 17/00 (2006.01) E02D 29/063 (2006.01) F41H 11/00 (2006.01) G21C 15/00 (2006.01) G21C 19/07 (2006.01) G21C 19/10 (2006.01) G21C 19/16 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR DEPLOYING COASTAL UNDERWATER POWER GENERATING STATIONS, AND SYSTEMS AND METHODS FOR FUEL HANDLING IN AN OFFSHORE MANUFACTURED NUCLEAR PLATFORM, AND SYSTEMS AND METHODS FOR DEFENSE OF A PREFABRICATED NUCLEAR PLANT**

[54] **SYSTEMES ET PROCEDES DE DEPLOIEMENT DE STATIONS DE PRODUCTION D'ENERGIE SOUS-MARINE COTIERES, SYSTEMES ET PROCEDES DE MANIPULATION DE COMBUSTIBLE DANS UNE PLATEFORME NUCLEAIRE FABRIQUEE EN HAUTE MER, ET SYSTEMES ET PROCEDES POUR LA DEFENSE D'UNE USINE NUCLEAIRE PREFABRIQUEE**

[72] TROJER, MATHIAS, US

[72] LOWREY, JUSTIN BENJAMIN, US

[71] ENERGIE PROPRE PRODIGY LTEE / PRODIGY CLEAN ENERGY LTD., CA

[71] TROJER, MATHIAS, US

[85] 2022-02-18

[86] 2019-08-20 (PCT/US2019/047228)

[87] (WO2020/041285)

[30] US (62/720,803) 2018-08-21

[30] US (62/720,823) 2018-08-21

[30] US (62/720,831) 2018-08-21

[21] **3,152,365**
[13] A1

[51] **Int.Cl. H02M 7/04 (2006.01) H02S 40/32 (2014.01) B60L 50/60 (2019.01) B60L 53/20 (2019.01) H02J 3/38 (2006.01) H02M 3/04 (2006.01) H02M 7/68 (2006.01)**

[25] EN

[54] **MULTIPLE PORT POWER CONVERTER DEVICE**

[54] **DISPOSITIF CONVERTISSEUR DE PUISSANCE A PORTS MULTIPLES**

[72] VAHEDI, HANI, CA

[72] IBRAHIM, PETER, CA

[72] FORGET, MARC-ANDRE, CA

[71] DCBEL INC., CA

[85] 2022-02-25

[86] 2020-03-12 (PCT/CA2020/050334)

[87] (WO2020/181384)

[30] US (62/817,104) 2019-03-12

[21] **3,152,371**
[13] A1

[51] **Int.Cl. A61P 35/00 (2006.01) C07K 16/22 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **COMBINED INHIBITION OF SEMAPHORIN-4D AND TGF.BETA. AND COMPOSITIONS THEREFOR**

[54] **INHIBITION COMBINEE DE SEMAPHORINE-4D ET TGF.B, ET COMPOSITIONS ASSOCIEES**

[72] EVANS, ELIZABETH E., US

[72] BUSSLER, HOLM, US

[71] VACCINEX, INC., US

[85] 2022-02-09

[86] 2020-07-30 (PCT/US2020/044166)

[87] (WO2021/021991)

[30] US (62/881,751) 2019-08-01

Demandes PCT entrant en phase nationale

[21] **3,152,493**
[13] A1

[51] **Int.Cl. A61L 9/20 (2006.01)**
[25] EN
[54] **PROCESS CHAMBER TO TREAT AIRBORNE CHEMICAL AND BIOLOGICAL CONTAMINATION**
[54] **CHAMBRE DE TRAITEMENT PERMETTANT DE TRAITER UNE CONTAMINATION CHIMIQUE ET BIOLOGIQUE DE L'AIR**
[72] PALMER, DAVID W., US
[71] AMERICAN INNOVATIVE RESEARCH CORP., US
[71] TCO SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA, PL
[85] 2022-02-24
[86] 2020-02-19 (PCT/IB2020/051367)
[87] (WO2021/038304)
[30] US (62/892,075) 2019-08-27

[21] **3,152,494**
[13] A1

[51] **Int.Cl. B62D 29/00 (2006.01) B21D 53/88 (2006.01) B60R 19/03 (2006.01) B62D 21/15 (2006.01)**
[25] EN
[54] **REAR STRUCTURE FOR AN ELECTRIC VEHICLE**
[54] **STRUCTURE ARRIERE POUR VEHICULE ELECTRIQUE**
[72] SOTTY, ALEXANDRE, FR
[72] GIBEAU, ELIE, FR
[72] SCHNEIDER, NICOLAS, FR
[72] DROUADAINE, YVES, FR
[71] ARCELORMITTAL, LU
[85] 2022-02-24
[86] 2020-07-31 (PCT/IB2020/057274)
[87] (WO2021/044234)
[30] IB (PCT/IB2019/057481) 2019-09-05

[21] **3,152,495**
[13] A1

[51] **Int.Cl. C04B 33/13 (2006.01) A61L 2/16 (2006.01) C04B 41/85 (2006.01)**
[25] EN
[54] **PHOTOCATALYTIC CERAMIC**
[54] **CERAMIQUE PHOTOCATALYTIQUE**
[72] LESCI, ISIDORO GIORGIO, IT
[71] ITALCER S.P.A., IT
[85] 2022-02-24
[86] 2020-08-12 (PCT/IB2020/057562)
[87] (WO2021/044237)
[30] IT (102019000015677) 2019-09-05

[21] **3,152,496**
[13] A1

[51] **Int.Cl. A61B 17/00 (2006.01) A61B 90/00 (2016.01) A61B 17/04 (2006.01) A61B 17/34 (2006.01)**
[25] EN
[54] **TISSUE ANCHOR AND RELATED METHODS**
[54] **ANCRAGE DE TISSU ET PROCEDES ASSOCIES**
[72] DAGLOW, TERRY, US
[71] JANSSEN BIOTECH, INC., US
[85] 2022-02-24
[86] 2020-08-26 (PCT/IB2020/057991)
[87] (WO2021/038474)
[30] US (62/891,546) 2019-08-26

[21] **3,152,497**
[13] A1

[51] **Int.Cl. A61K 31/655 (2006.01) C07D 413/04 (2006.01)**
[25] EN
[54] **COMPOUNDS USEFUL TO TREAT PAIN**
[54] **COMPOSES UTILES POUR TRAITER LA DOULEUR**
[72] BRAHMKSHATRIYA, PATHIK
[72] SUBHASHCHANDRA, IN
[72] UNADKAT, VISHAL BHARATBHAI, IN
[72] GOSWAMI, VISHALGIRI
[72] GUNVANTGIRI, IN
[72] PANDYA, HETA NISHIL, IN
[72] MEHTA, SANDIP PARESHBHAI, IN
[71] KASHIV BIOSCIENCES, LLC, US
[85] 2022-02-24
[86] 2020-08-27 (PCT/IB2020/058010)
[87] (WO2021/038487)
[30] IN (201921034555) 2019-08-27

[21] **3,152,498**
[13] A1

[51] **Int.Cl. B65D 5/43 (2006.01) B31B 50/81 (2017.01) B65D 5/66 (2006.01) B65D 5/68 (2006.01)**
[25] EN
[54] **CHILD-PROOF PACKAGE, PROCESS OF MAKING THE SAME AND METHOD OF OPENING THE SAME**
[54] **EMBALLAGE A SECURITE-ENFANT, PROCESSUS DE FABRICATION D'UN TEL EMBALLAGE ET PROCEDE D'OUVERTURE DUDIT EMBALLAGE**
[72] BRESSAN, ALESSIO, IT
[72] BRESSAN, MICHEL, IT
[72] GANDOLLA, ALBERTO, IT
[71] I.G.B. S.R.L., IT
[85] 2022-02-24
[86] 2020-08-28 (PCT/IB2020/058038)
[87] (WO2021/044266)
[30] IT (102019000015354) 2019-09-02

[21] **3,152,499**
[13] A1

[51] **Int.Cl. A61K 38/17 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC FUSION PROTEINS**
[54] **PROTEINES DE FUSION THERAPEUTIQUES**
[72] IRIGARAY, SEBASTIEN, CH
[72] KLEIN, LAURENT, CH
[72] SKEGRO, DARKO, CH
[72] VILLANI, MARCO, CH
[72] WELZENBACH, KARL, CH
[71] NOVARTIS AG, CH
[85] 2022-02-24
[86] 2020-09-04 (PCT/IB2020/058250)
[87] (WO2021/044360)
[30] EP (19196045.9) 2019-09-06

PCT Applications Entering the National Phase

[21] **3,152,500**
[13] A1

[51] **Int.Cl. A61K 38/17 (2006.01) A61P 7/00 (2006.01) A61P 29/00 (2006.01) A61P 37/06 (2006.01)**

[25] EN

[54] **THERAPEUTIC FUSION PROTEINS**

[54] **PROTEINES DE FUSION THERAPEUTIQUES**

[72] IRIGARAY, SEBASTIEN, CH

[72] KLEIN, LAURENT, CH

[72] SKEGRO, DARKO, CH

[72] VILLANI, MARCO, CH

[72] WELZENBACH, KARL, CH

[71] NOVARTIS AG, CH

[85] 2022-02-24

[86] 2020-09-04 (PCT/IB2020/058252)

[87] (WO2021/044362)

[30] EP (19196045.9) 2019-09-06

[21] **3,152,501**
[13] A1

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

[25] EN

[54] **SYSTEMS AND METHODS FOR SIGNING OF A MESSAGE**

[54] **SYSTEMES ET PROCEDES PERMETTANT DE SIGNER UN MESSAGE**

[72] SHAMAI, SHAHAR, IL

[72] LAMESH, LIOR, IL

[72] SHALTI, TAL, IL

[72] ORLAND, MATAN, IL

[71] GK8 LTD, IL

[85] 2022-02-24

[86] 2020-09-01 (PCT/IL2020/050949)

[87] (WO2021/044411)

[30] US (16/559,693) 2019-09-04

[21] **3,152,502**
[13] A1

[51] **Int.Cl. E02D 17/16 (2006.01) E02D 27/10 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR REMOVING SOIL FROM A CONDUIT**

[54] **APPAREIL ET PROCEDE DE RETRAIT DE SOL A PARTIR D'UN CONDUIT**

[72] REINAS, LORENTS, NO

[72] SÆTHER, MORTEN, NO

[72] NESSE, HARALD SIGURD, NO

[72] ELLINGSEN, KJELL EINAR, NO

[72] STANGELAND, JONE, NO

[72] FUHR, GEIR GUNDERSEN, NO

[71] EQUINOR ENERGY AS, NO

[85] 2022-02-24

[86] 2020-08-27 (PCT/NO2020/050218)

[87] (WO2021/040534)

[30] GB (1912263.9) 2019-08-27

[21] **3,152,503**
[13] A1

[51] **Int.Cl. B23K 35/30 (2006.01)**

[25] EN

[54] **WIRE FOR GAS-SHIELDED ARC WELDING**

[54] **FIL POUR SOUDAGE A L'ARC SOUS PROTECTION GAZEUSE**

[72] KINASHI, HIKARU, JP

[72] YU, JING, JP

[72] YOKOTA, YASUYUKI, JP

[71] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP

[85] 2022-02-24

[86] 2020-06-10 (PCT/JP2020/022933)

[87] (WO2021/053900)

[30] JP (2019-168877) 2019-09-17

[21] **3,152,504**
[13] A1

[51] **Int.Cl. C12N 5/0797 (2010.01) A61K 35/545 (2015.01) A61K 35/30 (2015.01) A61P 25/00 (2006.01) C12Q 1/02 (2006.01) C12Q 1/04 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING CELL AGGREGATE INCLUDING GLIAL PROGENITOR CELLS**

[54] **PROCEDE DE PRODUCTION D'AGREGAT CELLULAIRE COMPRENANT DES CELLULES PROGENITRICES GLIALES**

[72] KOHYAMA, JUN, JP

[72] KAMATA, YASUHIRO, JP

[72] NAKAMURA, MASAYA, JP

[72] OKANO, HIDEYUKI, JP

[72] SAITO, MIHO, JP

[72] INOUE, MITSUHIRO, JP

[71] KEIO UNIVERSITY, JP

[71] SUMITOMO DAINIPPON PHARMA CO., LTD., JP

[85] 2022-02-24

[86] 2020-09-04 (PCT/JP2020/033677)

[87] (WO2021/045217)

[30] JP (2019-163452) 2019-09-06

[21] **3,152,505**
[13] A1

[51] **Int.Cl. C12N 5/0775 (2010.01) C07K 14/78 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING MESENCHYMAL STEM CELLS FROM LIVING BODY-DERIVED CELL SAMPLE CONTAINING MESENCHYMAL STEM CELLS**

[54] **PROCEDE DE PRODUCTION DE CELLULES SOUCHES MESENCHYMATEUSES A PARTIR D'UN ECHANTILLON DE CELLULES DERIVEES D'UN CORPS VIVANT CONTENANT DES CELLULES SOUCHES MESENCHYMATEUSES**

[72] HARATA, IKUE, JP

[72] HARADA, ERI, JP

[72] TAKAHASHI, KAZUMA, JP

[72] HONKAWA, FUMIE, JP

[71] AJINOMOTO CO., INC., JP

[85] 2022-02-24

[86] 2020-08-28 (PCT/JP2020/032514)

[87] (WO2021/039943)

[30] JP (2019-156537) 2019-08-29

[30] JP (2020-012333) 2020-01-29

Demandes PCT entrant en phase nationale

[21] **3,152,507**
[13] A1

[51] **Int.Cl. G06Q 10/10 (2012.01) G06F 13/00 (2006.01) H04M 3/56 (2006.01) H04M 11/00 (2006.01) H04N 7/15 (2006.01)**

[25] EN

[54] **INFORMATION PROCESSING SYSTEM, INFORMATION PROCESSING APPARATUS, AND PROGRAM**

[54] **SYSTEME DE TRAITEMENT D'INFORMATIONS, DISPOSITIF DE TRAITEMENT D'INFORMATIONS ET PROGRAMME**

[72] JUNG, SAE HYUNG, JP
[72] HASEGAWA, HIROKAZU, JP
[71] OVICE, INC., JP
[85] 2022-02-24
[86] 2021-04-23 (PCT/JP2021/016457)
[87] (WO2021/235172)
[30] JP (2020-087176) 2020-05-19
[30] JP (2020-110871) 2020-06-26
[30] JP (2020-137271) 2020-08-17
[30] JP (2020-172415) 2020-10-13
[30] JP (2020-187756) 2020-11-11

[21] **3,152,508**
[13] A1

[51] **Int.Cl. A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01)**

[25] EN

[54] **PERK INHIBITING PYRROLOPYRIMIDINE COMPOUNDS**

[54] **COMPOSES DE PYRROLOPYRIMIDINE INHIBITEURS DE PERK**

[72] MULVIHILL, MARK J., US
[72] LI, AN-HU, US
[72] SURMAN, MATTHEW DAVID, US
[71] HIBERCELL, INC., US
[85] 2022-02-24
[86] 2020-08-28 (PCT/US2020/048621)
[87] (WO2021/041975)
[30] US (62/893,528) 2019-08-29

[21] **3,152,511**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 39/42 (2006.01) A61P 31/20 (2006.01) C07K 16/08 (2006.01)**

[25] EN

[54] **ANTIBODY COMPOSITIONS AND METHODS FOR TREATING HEPATITIS B VIRUS INFECTION**

[54] **COMPOSITIONS D'ANTICORPS ET METHODES POUR TRAITER UNE INFECTION PAR LE VIRUS DE L'HEPATITE B**

[72] PANG, PHILLIP S., US
[72] MOGALIAN, ERIK, US
[72] CONNOLLY, LYNN E., US
[72] GALL, JONATHAN, US
[71] VIR BIOTECHNOLOGY, INC., US
[85] 2022-02-24
[86] 2020-08-28 (PCT/US2020/048649)
[87] (WO2021/042000)
[30] US (62/893,742) 2019-08-29

[21] **3,152,512**
[13] A1

[51] **Int.Cl. A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 213/73 (2006.01) C07D 213/74 (2006.01) C07D 213/87 (2006.01) C07D 241/28 (2006.01) C07D 401/04 (2006.01) C07D 401/12 (2006.01) C07D 405/12 (2006.01) C07D 487/10 (2006.01)**

[25] EN

[54] **PERK INHIBITING COMPOUNDS**

[54] **COMPOSES D'INHIBITION DE PERK**

[72] MULVIHILL, MARK J., US
[72] LI, AN-HU, US
[72] SURMAN, MATTHEW DAVID, US
[71] HIBERCELL, INC., US
[85] 2022-02-24
[86] 2020-08-28 (PCT/US2020/048619)
[87] (WO2021/041973)
[30] US (62/893,512) 2019-08-29

[21] **3,152,513**
[13] A1

[51] **Int.Cl. C12N 15/11 (2006.01) C12N 15/115 (2010.01)**

[25] EN

[54] **SYSTEM FOR REGULATING GENE EXPRESSION**

[54] **SYSTEME DE REGULATION DE L'EXPRESSION GENIQUE**

[72] YEN, LAISING, US
[72] LUO, LIMING, US
[72] JEA, JOCELYN DUEN-YA, US
[71] BAYLOR COLLEGE OF MEDICINE, US
[85] 2022-02-24
[86] 2020-08-28 (PCT/US2020/048561)
[87] (WO2021/041924)
[30] US (62/894,611) 2019-08-30
[30] US (62/904,635) 2019-09-23
[30] US (63/043,504) 2020-06-24

[21] **3,152,515**
[13] A1

[51] **Int.Cl. B23K 9/10 (2006.01) B23K 9/09 (2006.01) B23K 9/16 (2006.01) B23K 9/23 (2006.01)**

[25] EN

[54] **WELDING POWER SUPPLY WITH A WIRE PREHEATING SYSTEM**

[54] **ALIMENTATION ELECTRIQUE DE SOUDAGE AVEC UN SYSTEME DE PRECHAUFFAGE DE FIL**

[72] MASSEY, STEVEN B., US
[72] HUTCHISON, RICHARD MARTIN, US
[72] UECKER, JAMES LEE, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2022-02-24
[86] 2020-08-28 (PCT/US2020/048480)
[87] (WO2021/041864)
[30] US (62/894,109) 2019-08-30
[30] US (17/004,691) 2020-08-27

PCT Applications Entering the National Phase

[21] **3,152,516**
[13] A1

[51] **Int.Cl. B23K 35/02 (2006.01) B23K 35/26 (2006.01) B23K 35/32 (2006.01) B23K 35/36 (2006.01) B23K 35/40 (2006.01) C22C 21/00 (2006.01) C22C 32/00 (2006.01)**

[25] EN

[54] **ALUMINUM METAL MATRIX COMPOSITE SHEATHS FOR WIRE ELECTRODES**

[54] **GAINES EN COMPOSITE A MATRICE METALLIQUE D'ALUMINIUM POUR FILS-ELECTRODES**

[72] MILLER, ERICK, US

[72] MASSEY, STEVEN, US

[72] LIU, SHUANG, US

[72] BUNDY, JOSEPH, US

[72] KONDAPALLI, SATYA, US

[71] HOBART BROTHERS LLC, US

[85] 2022-02-24

[86] 2020-08-28 (PCT/US2020/048455)

[87] (WO2021/041845)

[30] US (62/894,345) 2019-08-30

[30] US (17/002,459) 2020-08-25

[21] **3,152,517**
[13] A1

[51] **Int.Cl. F16L 1/16 (2006.01) F16L 59/02 (2006.01) F16L 59/14 (2006.01)**

[25] EN

[54] **LOW VISCOSITY SEALANT TO PREVENT CORROSION UNDER INSULATION**

[54] **PRODUIT D'ETANCHEITE A FAIBLE VISCOSITE POUR EMPECHER LA CORROSION SOUS L'ISOLATION**

[72] BADGER, STEVEN R., US

[72] LARSEN, HELEN B., US

[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US

[85] 2022-02-24

[86] 2020-08-28 (PCT/US2020/048421)

[87] (WO2021/041819)

[30] US (62/893,882) 2019-08-30

[21] **3,152,518**
[13] A1

[51] **Int.Cl. B01D 53/32 (2006.01) B01D 53/62 (2006.01)**

[25] EN

[54] **ELECTROCHEMICALLY MEDIATED GAS CAPTURE, INCLUDING FROM LOW CONCENTRATION STREAMS**

[54] **CAPTURE DE GAZ A MEDIATION ELECTROCHIMIQUE, Y COMPRIS A PARTIR DE FLUX A FAIBLE CONCENTRATION**

[72] VOSKIAN, SAHAG, US

[72] HATTON, TREVOR ALAN, US

[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US

[85] 2022-02-24

[86] 2020-08-27 (PCT/US2020/048279)

[87] (WO2021/041732)

[30] US (62/892,962) 2019-08-28

[30] US (16/659,398) 2019-10-21

[30] US (PCT/US2019/057224) 2019-10-21

[21] **3,152,520**
[13] A1

[51] **Int.Cl. A61K 39/08 (2006.01)**

[25] EN

[54] **ANTIMICROBIAL VACCINE COMPOSITIONS**

[54] **COMPOSITIONS DE VACCINS ANTIMICROBIENS**

[72] DABORA, REBECCA, US

[72] DINGLEY, AMY, US

[72] PATEL, SUMAN, US

[72] SWISS, GERALD F., US

[71] ONEBIOPHARMA, INC., US

[85] 2022-02-24

[86] 2020-08-27 (PCT/US2020/048265)

[87] (WO2021/041721)

[30] US (62/892,400) 2019-08-27

[21] **3,152,521**
[13] A1

[51] **Int.Cl. A61K 38/48 (2006.01) A61P 25/28 (2006.01) C12N 9/64 (2006.01)**

[25] EN

[54] **METHODS FOR TREATING CLN2 DISEASE IN PEDIATRIC SUBJECTS**

[54] **METHODES DE TRAITEMENT D'UNE MALADIE DE CLN2 CHEZ DES SUJETS PEDIATRIQUES**

[72] JACOBY, DAVID, US

[72] HENSHAW, JOSHUA, US

[71] BIOMARIN PHARMACEUTICAL INC., US

[85] 2022-02-24

[86] 2020-08-31 (PCT/US2020/048704)

[87] (WO2021/042020)

[30] US (62/893,535) 2019-08-29

[21] **3,152,522**
[13] A1

[51] **Int.Cl. A61K 38/14 (2006.01)**

[25] EN

[54] **METHODS OF GENERATING AND ISOLATING MIDBRAIN DOPAMINE NEURONS**

[54] **PROCEDES DE GENERATION ET D'ISOLATION DE NEURONES DOPAMINERGIQUES MESENCEPHALES**

[72] STUDER, LORENZ, US

[72] KIM, TAEWAN, US

[72] IRION, STEFAN, US

[72] KOO, SO YEON, US

[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US

[85] 2022-02-24

[86] 2020-08-31 (PCT/US2020/048733)

[87] (WO2021/042027)

[30] US (62/893,674) 2019-08-29

Demandes PCT entrant en phase nationale

[21] **3,152,524**
[13] A1

[51] **Int.Cl. G01N 21/27 (2006.01)**
[25] EN
[54] **DETECTABLE ARRAYS FOR DISTINGUISHING ANALYTES AND DIAGNOSIS, AND METHODS AND SYSTEMS RELATED THERETO**
[54] **RESEAUX DETECTABLES POUR DISTINGUER DES ANALYTES ET DIAGNOSTIC, ET PROCEDES ET SYSTEMES ASSOCIES A CEUX-CI**
[72] LIM, FRANCIS BUAN HONG, US
[72] LEI, TINGJUN, US
[72] PILOTO, ABDULIO, US
[72] CHEONG, IAN SHEN-YI, US
[71] ENTOPSIS, INC., US
[85] 2022-02-24
[86] 2020-08-31 (PCT/US2020/048826)
[87] (WO2021/042063)
[30] US (62/893,703) 2019-08-29

[21] **3,152,525**
[13] A1

[51] **Int.Cl. A61K 9/51 (2006.01) C07K 14/705 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **CD24-ASSOCIATED PARTICLES AND RELATED METHODS AND USES THEREOF**
[54] **PARTICULES ASSOCIEES A CD24 ET PROCEDES ASSOCIES ET LEURS UTILISATIONS**
[72] EMMANUEL, AKINOLA OLUMIDE, US
[72] ENNAJDAOUI, HANANE, US
[72] JAIN, SUVI, US
[72] RUZO MATIAS, ALBERTO, US
[72] SHAH, JAGESH V., US
[71] SANA BIOTECHNOLOGY, INC., US
[85] 2022-02-24
[86] 2020-09-02 (PCT/US2020/049087)
[87] (WO2021/046143)
[30] US (62/895,454) 2019-09-03
[30] US (63/056,514) 2020-07-24

[21] **3,152,526**
[13] A1

[51] **Int.Cl. A01G 25/00 (2006.01) A01G 25/16 (2006.01) G05B 13/00 (2006.01) G05B 13/02 (2006.01) G05B 13/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ANALYSIS OF CURRENT AND VOLTAGE LEVELS WITHIN A CENTER PIVOT IRRIGATION SYSTEM**
[54] **SYSTEME ET PROCEDE D'ANALYSE DE NIVEAUX DE COURANT ET DE TENSION A L'IRRIGATION A PIVOT CENTRAL**
[72] THATCHER, TRACY A., US
[71] VALMONT INDUSTRIES, INC., US
[85] 2022-02-24
[86] 2020-09-03 (PCT/US2020/049094)
[87] (WO2021/050341)
[30] US (62/899,174) 2019-09-12

[21] **3,152,528**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 51/10 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01) C12Q 1/00 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **CD8 BINDING AGENTS AND USES THEREOF**
[54] **AGENTS DE LIAISON A CD8 ET LEURS UTILISATIONS**
[72] KOERBER, JAMES THOMAS, US
[72] URRUTIA, ALEJANDRA BEATRICE URPI, US
[72] WILLIAMS, SIMON-PETER, US
[72] DAVIES, CHRISTOPHER WILLIAMSON, US
[72] SRIRAMAN, SHRAVAN KUMAR, US
[72] GILL, HERMAN SINGH, US
[72] KIEFER, JAMES RICHARD, JR., US
[71] GENENTECH, INC., US
[85] 2022-02-24
[86] 2020-09-03 (PCT/US2020/049110)
[87] (WO2021/046159)
[30] US (62/895,865) 2019-09-04

[21] **3,152,529**
[13] A1

[51] **Int.Cl. A61K 47/50 (2017.01) A61K 48/00 (2006.01)**
[25] EN
[54] **ASIALOGLYCOPROTEIN RECEPTOR MEDIATED DELIVERY OF THERAPEUTICALLY ACTIVE CONJUGATES**
[54] **ADMINISTRATION DE CONJUGUES THERAPEUTIQUEMENT ACTIFS MEDIEE PAR UN RECEPTEUR D'ASIALOGLYCOPROTEINE**
[72] RAJAPPAN, KUMAR, US
[72] CHIVUKULA, PADMANABH, US
[72] TACHIKAWA, KIYOSHI, US
[72] TANIS, STEVEN, US
[72] KARMALI, PRIYA, US
[71] ARCTURUS THERAPEUTICS, INC., US
[85] 2022-02-24
[86] 2020-09-03 (PCT/US2020/049261)
[87] (WO2021/046260)
[30] US (62/895,417) 2019-09-03

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[21] **3,152,530**
[13] A1

[51] **Int.Cl. B01D 29/15 (2006.01) B01D 29/19 (2006.01) B01D 46/00 (2022.01) B65D 33/16 (2006.01) B65D 33/24 (2006.01) B65D 45/16 (2006.01)**

[25] EN

[54] **FILTER BASE FOR ELECTRONIC CONNECTION TO MATING FILTER HOUSING ASSEMBLY**

[54] **BASE DE FILTRE POUR CONNEXION ELECTRONIQUE A UN ENSEMBLE BOITIER DE FILTRE D'ACCOUPLLEMENT**

[72] ASTLE, ROBERT, US
[72] LAURI, GEORGE, US
[72] HUDA, STEPHEN P., US
[72] SHERMAN, MICHAEL J., US
[72] HAEHN, STEVEN J., US
[72] KLIMPEL, ERIK R., US
[72] YL, CHONG HUN, US
[72] WEAVER, BRIAN KEITH, US
[72] MOYER, WILLIAM JAMES, US
[72] SKOVIRA, RONALD, US
[72] ALTEMOSE, GARY, US
[72] EMENHEISER, RICHARD BENJAMIN, US
[72] ANNISS, WILL, US
[72] GRANT, WILLARD, US
[72] BARRIOS, RAONY, US
[72] SMALL, WILLIAM, US
[72] MACHADO, MARCELLO CORREA, US
[72] MCCOLLOUGH, THOMAS W., US
[72] ROUSEY, CHRISTOPHER, US
[72] SUBRAMANIAN, RAMESH, US
[71] KX TECHNOLOGIES LLC, US
[85] 2022-02-24
[86] 2020-09-10 (PCT/US2020/050156)
[87] (WO2021/050693)

[21] **3,152,532**
[13] A1

[51] **Int.Cl. A47L 15/46 (2006.01) D06F 33/30 (2020.01) B08B 13/00 (2006.01)**

[25] EN

[54] **CONTROL OF CLEANING MACHINE CYCLES USING MACHINE VISION**

[54] **COMMANDE DE CYCLES DE MACHINE DE NETTOYAGE A L'AIDE DE LA VISION ARTIFICIELLE**

[72] SMITH, CONOR SYLVESTER, US
[72] CHRISTIAN, PAUL DOMINIC, US
[72] HAN, ELIZABETH MINHEE, US
[72] KRAUS, PAUL R., US
[72] RAHN, RACHEL MARIE, US
[71] ECOLAB USA INC., US
[85] 2022-02-24
[86] 2020-09-11 (PCT/US2020/050381)
[87] (WO2021/050858)
[30] US (62/899,592) 2019-09-12

[21] **3,152,537**
[13] A1

[51] **Int.Cl. G01N 33/72 (2006.01) G01N 33/92 (2006.01)**

[25] EN

[54] **ONE STEP METHODS, KITS, AND SYSTEMS FOR THE MEASUREMENT OF CONCENTRATIONS OF UNBOUND BILIRUBIN IN BIOLOGICAL FLUIDS**

[54] **PROCEDES, KITS ET SYSTEMES EN UNE ETAPE POUR LA MESURE DE CONCENTRATIONS DE BILIRUBINE NON LIEE DANS DES LIQUIDES BIOLOGIQUES**

[72] KLEINFELD, ALAN MARC, US
[72] HUBER, ANDREW H., US
[72] KAMEYAMA, HIROTO, US
[72] SUN, TUNG-CHIH, US
[72] SUBRAMONIAN, DIVYA, US
[71] KLEINFELD, ALAN MARC, US
[85] 2022-02-24
[86] 2020-08-27 (PCT/US2020/048264)
[87] (WO2021/041720)
[30] US (62/894,553) 2019-08-30

[21] **3,152,541**
[13] A1

[51] **Int.Cl. C12Q 1/04 (2006.01) C12Q 1/18 (2006.01) G01N 21/64 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR PERFORMING ANTIMICROBIAL SUSCEPTIBILITY TESTING**

[54] **SYSTEMES ET PROCEDES POUR CONDUIRE UN TEST DE SENSIBILITE ANTIMICROBIENNE**

[72] FLENTIE, KELLY, US
[72] STERN, ERIC, US
[71] SELUX DIAGNOSTICS, INC., US
[85] 2022-02-24
[86] 2020-08-27 (PCT/US2020/048242)
[87] (WO2021/041710)
[30] US (62/892,305) 2019-08-27

[21] **3,152,542**
[13] A1

[51] **Int.Cl. G16H 40/20 (2018.01) G06Q 50/22 (2018.01)**

[25] EN

[54] **DEVICES, SYSTEMS, AND METHODS FOR DETERMINING A USE OF UNITS IN MEDICAL PROCEDURES TO ESTABLISH EFFICIENCY AND ALTERNATE PRICING**

[54] **DISPOSITIFS, SYSTEMES ET PROCEDES POUR DETERMINER UNE UTILISATION D'UNITES DANS DES PROCEDURES MEDICALES POUR ETABLIR UNE EFFICACITE ET UNE TARIFICATION ALTERNATIVE**

[72] BARCLAY, BEN, US
[71] BARD PERIPHERAL VASCULAR, INC., US
[85] 2022-02-24
[86] 2019-08-26 (PCT/US2019/048093)
[87] (WO2021/040685)

Demandes PCT entrant en phase nationale

[21] **3,152,544**
[13] A1

[51] **Int.Cl. G01N 33/18 (2006.01)**
[25] EN
[54] **TOTAL ORGANIC CARBON AND CONDUCTIVITY VERIFICATION AND CALIBRATION USING A SINGLE SAMPLE**
[54] **VERIFICATION ET ETALONNAGE DE CARBONE ORGANIQUE TOTAL ET DE CONDUCTIVITE A L'AIDE D'UN SEUL ECHANTILLON**
[72] SWANSON, LUKAS, US
[71] BL TECHNOLOGIES, INC., US
[85] 2022-02-24
[86] 2019-08-30 (PCT/US2019/049023)
[87] (WO2021/040729)

[21] **3,152,545**
[13] A1

[51] **Int.Cl. A61B 8/12 (2006.01)**
[25] EN
[54] **AUTOMATIC VESSEL DETECTION TOOLS AND METHODS**
[54] **OUTILS ET PROCEDES DE DETECTION AUTOMATIQUE DE VAISSEAUX SANGUINS**
[72] PRINCE, MATTHEW J., US
[71] BARD ACCESS SYSTEMS, INC., US
[85] 2022-02-24
[86] 2020-09-14 (PCT/US2020/050733)
[87] (WO2021/055289)
[30] US (62/903,545) 2019-09-20

[21] **3,152,547**
[13] A1

[51] **Int.Cl. C07K 16/00 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS OF PRODUCING ANTIBODY COMPOSITIONS**
[54] **PROCEDES DE PRODUCTION DE COMPOSITIONS D'ANTICORPS**
[72] DUFF, ROBERT J., US
[72] HUANG, ZHE, US
[72] RAMIREZ, JOSE G., US
[71] AMGEN INC., US
[85] 2022-02-24
[86] 2020-09-28 (PCT/US2020/053090)
[87] (WO2021/062372)
[30] US (62/906,709) 2019-09-26

[21] **3,152,549**
[13] A1

[51] **Int.Cl. A61M 5/315 (2006.01) A61M 5/20 (2006.01) A61M 5/24 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **DRUG DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] FINKELSTEIN, EMIL, US
[72] EILERTSEN, LARS, US
[72] SORENSEN, MICHAEL, US
[72] MADURO NORBO, TOBIAS, US
[71] AMGEN INC., US
[85] 2022-02-24
[86] 2020-09-29 (PCT/US2020/053179)
[87] (WO2021/067209)
[30] US (62/908,504) 2019-09-30
[30] US (62/961,006) 2020-01-14
[30] US (62/961,014) 2020-01-14

[21] **3,152,603**
[13] A1

[51] **Int.Cl. A61L 9/22 (2006.01) A61L 2/20 (2006.01) A61L 9/013 (2006.01) A61L 9/014 (2006.01) A61L 9/04 (2006.01)**
[25] EN
[54] **IONIC OXIDATION REFRESHING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE RAFFRAICHISSEMENT PAR OXYDATION IONIQUE**
[72] RAZOUKI, ARAM, US
[71] DRESSFRESH, INC., US
[85] 2021-11-17
[86] 2020-05-14 (PCT/US2020/032984)
[87] (WO2020/236530)
[30] US (62/849,323) 2019-05-17
[30] US (16/874,006) 2020-05-14

[21] **3,152,629**
[13] A1

[51] **Int.Cl. G01N 33/22 (2006.01) G01N 9/36 (2006.01) G01N 9/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR LIVE DETERMINATION OF FLUID ENERGY CONTENT**
[54] **SYSTEMES ET PROCEDES DE DETERMINATION EN DIRECT DE LA TENEUR EN ENERGIE D'UN FLUIDE**
[72] MACDONALD, GEORGE ALEXANDER, GB
[71] MICRO MOTION, INC., US
[85] 2022-02-24
[86] 2019-09-09 (PCT/US2019/050145)
[87] (WO2021/050033)

[21] **3,152,630**
[13] A1

[51] **Int.Cl. A61M 25/00 (2006.01) A61M 25/01 (2006.01) A61M 27/00 (2006.01)**
[25] EN
[54] **SLEEVED HYDROPHILIC MEDICAL PRODUCTS**
[54] **PRODUITS MEDICAUX HYDROPHILES MANCHONNES**
[72] FARRELL, DAVID J., US
[72] PANESAR, SATWINDER S., US
[72] HORKAN, CARLOS, US
[72] MURRAY, MICHAEL G., US
[71] HOLLISTER INCORPORATED, US
[85] 2022-02-24
[86] 2020-08-27 (PCT/US2020/048234)
[87] (WO2021/041703)
[30] US (62/892,301) 2019-08-27
[30] US (62/912,229) 2019-10-08

[21] **3,152,631**
[13] A1

[51] **Int.Cl. A01N 1/02 (2006.01) B01L 3/00 (2006.01) C12M 1/26 (2006.01) C12N 1/04 (2006.01) G01N 15/14 (2006.01) G01N 21/07 (2006.01) G01N 33/68 (2006.01) G02B 21/10 (2006.01) G06K 9/00 (2022.01) G01N 15/10 (2006.01) G01N 21/88 (2006.01)**
[25] EN
[54] **REPRODUCTIVE SPECIMEN PROCESSING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT DE SPECIMEN REPRODUCTEUR**
[72] GORDON, JOSEPH, US
[72] GLABERSON, JOHN, US
[72] EBSWORTH, TARA PRATAP, US
[72] GUTELIUS, PATRICK N., US
[71] COOPERSURGICAL, INC., US
[85] 2022-02-24
[86] 2020-06-24 (PCT/US2020/039306)
[87] (WO2021/040870)
[30] US (62/894,202) 2019-08-30

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[21] **3,152,632**
[13] A1

[51] **Int.Cl. A61K 31/436 (2006.01)**
[25] EN
[54] **SIDE-DELIVERABLE
TRANSCATHETER PROSTHETIC
VALVES AND METHODS FOR
DELIVERING AND ANCHORING
THE SAME**
[54] **VALVULES PROTHETIQUES
TRANSCATHETER A POSE
LATERALE ET PROCEDES POUR
LEURS POSE ET ANCRAGE**
[72] CHRISTIANSON, MARK, US
[72] VIDLUND, ROBERT, US
[72] SAIKRISHNAN, NEELAKANTAN,
US
[72] KRAMER, SCOTT, US
[72] PERRIN, CHAD, US
[72] HARDER, LUCAS, US
[71] VDYNE, INC., US
[85] 2022-02-24
[86] 2020-08-06 (PCT/US2020/045195)
[87] (WO2021/040996)
[30] US (62/891,956) 2019-08-26
[30] US (62/905,932) 2019-09-25
[30] US (PCT/US2019/067010) 2019-12-18
[30] US (PCT/US2020/015231) 2020-01-27
[30] US (63/014,059) 2020-04-22
[30] US (63/016,269) 2020-04-27
[30] US (PCT/US2020/031390) 2020-05-04
[30] US (63/027,345) 2020-05-19

[21] **3,152,633**
[13] A1

[51] **Int.Cl. C07D 307/91 (2006.01) C07C
39/23 (2006.01)**
[25] EN
[54] **METHODS OF SYNTHESIZING
CANNABIELSOIN AND ANALOGS
THEREOF**
[54] **PROCEDES DE SYNTHESE DE
CANNABIELSOIN ET
D'ANALOGUES DE CEUX-CI**
[72] FARD, MAHMOOD AZIZPOUR, CA
[72] GEILING, BEN, CA
[72] HAGHDOOST MANJILI,
MOHAMMADMEHDI, CA
[71] CANOPY GROWTH CORPORATION,
CA
[85] 2022-02-25
[86] 2021-07-26 (PCT/CA2021/051040)
[87] (WO2022/020944)
[30] US (63/057,134) 2020-07-27

[21] **3,152,634**
[13] A1

[51] **Int.Cl. A46B 5/00 (2006.01) A46B
15/00 (2006.01)**
[25] EN
[54] **ERGONOMIC LATERAL MANUAL
SWEEPING DEVICE**
[54] **DISPOSITIF DE BALAYAGE
MANUEL LATERAL
ERGONOMIQUE**
[72] BARNAAL, ERIK, US
[71] BARNAAL, ERIK, US
[85] 2022-02-24
[86] 2020-08-27 (PCT/US2020/048228)
[87] (WO2021/041698)
[30] US (16/552,229) 2019-08-27

[21] **3,152,635**
[13] A1

[51] **Int.Cl. A61K 31/353 (2006.01) A61P
25/00 (2006.01) C07D 493/18
(2006.01)**
[25] EN
[54] **METHODS OF SYNTHESIZING
HIGH-PURITY CANNABICYCLOL
AND ARTIFICIAL RESINS
COMPRISING CANNABICYCLOL**
[54] **PROCEDES DE SYNTHESE DE
CANNABICYCLOL DE HAUTE
PURETE ET RESINES
ARTIFICIELLES COMPRENANT
DE LA CANNABICYCLOL**
[72] BRUMAR, DANIEL, CA
[72] GEILING, BEN, CA
[72] HAGHDOOST MANJILI,
MOHAMMADMEHDI, CA
[72] ZOLKIEWSKI, MARK, CA
[71] CANOPY GROWTH CORPORATION,
CA
[85] 2022-02-25
[86] 2020-12-24 (PCT/CA2020/051801)
[87] (WO2021/127788)
[30] US (62/953,370) 2019-12-24
[30] US (62/987,179) 2020-03-09

[21] **3,152,637**
[13] A1

[51] **Int.Cl. A61K 9/107 (2006.01) A61J
1/00 (2006.01) A61K 31/047 (2006.01)
A61K 47/24 (2006.01) A61K 47/36
(2006.01) A61K 47/38 (2006.01) A61P
27/04 (2006.01)**
[25] EN
[54] **OPHTHALMIC
PHARMACEUTICAL
COMPOSITION, PREPARATION
METHODS AND USES OF SAME**
[54] **COMPOSITION
PHARMACEUTIQUE
OPHTALMIQUE, LEURS
PROCEDES DE PREPARATION ET
LEURS UTILISATIONS**
[72] QUINTANA HAU, JUAN DE DIOS,
MX
[72] PESQUEDA PINEDO, LUCIANO, MX
[72] FIGUEROA PONCE, HUMBERTO,
MX
[72] LINAN SEGURA, ADDY, MX
[71] SOPHIA HOLDINGS, S.A. DE C.V.,
MX
[85] 2022-02-24
[86] 2020-09-04 (PCT/MX2020/050031)
[87] (WO2021/045606)
[30] MX (MX/a/2019/010618) 2019-09-06

[21] **3,152,639**
[13] A1

[51] **Int.Cl. E21B 17/042 (2006.01)**
[25] EN
[54] **THREADED CONNECTION
INCLUDING AND
INTERMEDIATE SHOULDER**
[54] **RACCORD FILETE
COMPRENANT UN EPAULEMENT
INTERMEDIAIRE**
[72] FOTHERGILL, ALAN, FR
[72] DUFRENE, COREY, FR
[72] MARUTA, SATOSHI, JP
[71] VALLOUREC OIL AND GAS
FRANCE, FR
[71] NIPPON STEEL & SUMITOMO
METAL CORPORATION, JP
[85] 2022-02-25
[86] 2020-09-22 (PCT/EP2020/076430)
[87] (WO2021/058481)
[30] EP (19199254.4) 2019-09-24

Demandes PCT entrant en phase nationale

[21] **3,152,640**
[13] A1

[51] **Int.Cl. C09D 167/06 (2006.01) C09D 7/63 (2018.01) B05D 3/02 (2006.01) C09D 4/02 (2006.01) C09D 5/34 (2006.01) B05D 3/06 (2006.01) G03F 7/027 (2006.01) G03F 7/38 (2006.01)**

[25] EN

[54] **METHOD OF COATING A SUBSTRATE USING AN ACCELERATOR-FREE COATING COMPOSITION**

[54] **PROCEDE DE REVETEMENT D'UN SUBSTRAT A L'AIDE D'UNE COMPOSITION DE REVETEMENT SANS ACCELERATEUR**

[72] STRIDH, LARS-ERIK JORGEN, SE

[72] OLSSON KARLBERG, NILS GUSTAV MARTIN, SE

[72] ANDERSSON, NICLAS NILS ERIK, SE

[72] HENRIKSSON, PATRIK BIRGER OTTO, SE

[72] SJODAHL, CLAES GUNNAR STEFAN, SE

[72] RONNERMARK, CARL JOHAN JOACHIM, SE

[71] AKZO NOBEL COATINGS INTERNATIONAL B.V., NL

[85] 2022-02-25

[86] 2020-09-10 (PCT/EP2020/075358)

[87] (WO2021/048293)

[30] EP (19197362.7) 2019-09-13

[21] **3,152,642**
[13] A1

[51] **Int.Cl. C12Q 1/6886 (2018.01) G01N 33/574 (2006.01) G01N 33/68 (2006.01)**

[25] EN

[54] **METHOD OF ISOLATING CIRCULATING NUCLEOSOMES**

[54] **PROCEDE D'ISOLEMENT DE NUCLEOSOMES CIRCULANTS**

[72] ECCLESTON, MARK EDWARD, BE

[72] MICALLEF, JACOB VINCENT, BE

[71] BELGIAN VOLITION SRL, BE

[85] 2022-02-25

[86] 2020-08-27 (PCT/EP2020/074026)

[87] (WO2021/038010)

[30] GB (1912251.4) 2019-08-27

[30] GB (1916735.2) 2019-11-18

[30] GB (2006547.0) 2020-05-04

[21] **3,152,645**
[13] A1

[51] **Int.Cl. C12Q 1/6813 (2018.01) C12Q 1/683 (2018.01) C12Q 1/6876 (2018.01) C12Q 1/6883 (2018.01)**

[25] EN

[54] **DIAGNOSTIC CHROMOSOME MARKER**

[54] **MARQUEUR CHROMOSOMIQUE DE DIAGNOSTIC**

[72] RAMADASS, AROUL SELVAM, GB

[72] HUNTER, EWAN, GB

[72] AKOULITCHEV, ALEXANDRE, GB

[71] OXFORD BIODYNAMICS PLC, GB

[85] 2022-02-25

[86] 2020-09-10 (PCT/GB2020/052171)

[87] (WO2021/048544)

[30] US (62/898,969) 2019-09-11

[21] **3,152,649**
[13] A1

[51] **Int.Cl. E04F 13/14 (2006.01) E04F 13/08 (2006.01)**

[25] EN

[54] **FACADE STRUCTURE**

[54] **STRUCTURE DE FACADE**

[72] TIAN, YISHENG, GB

[72] EVANS, JONATHAN, GB

[71] ASH & LACY HOLDINGS LIMITED, GB

[85] 2022-02-25

[86] 2020-09-04 (PCT/GB2020/052113)

[87] (WO2021/044151)

[30] GB (1912747.1) 2019-09-05

[21] **3,152,653**
[13] A1

[51] **Int.Cl. A61K 31/353 (2006.01) A61P 25/00 (2006.01) C07D 493/18 (2006.01)**

[25] EN

[54] **CANNABICITRAN COMPOSITIONS AND METHODS OF SYNTHESIZING CANNABICITRAN**

[54] **COMPOSITIONS DE CANNABICITRAN ET PROCEDES DE SYNTHESE DE CANNABICITRAN**

[72] BRUMAR, DANIEL, CA

[72] FARD, MAHMOOD AZIZPOUR, CA

[72] GEILING, BEN, CA

[72] HAGHDOOST MANJILI, MOHAMMADMEHDI, CA

[71] CANOPY GROWTH CORPORATION, CA

[85] 2022-02-25

[86] 2020-12-24 (PCT/CA2020/051800)

[87] (WO2021/127787)

[30] US (62/953,374) 2019-12-24

[30] US (63/009,269) 2020-04-13

[21] **3,152,654**
[13] A1

[51] **Int.Cl. H04M 3/56 (2006.01) H04M 11/00 (2006.01) H04N 7/15 (2006.01)**

[25] EN

[54] **INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND PROGRAM**

[54] **DISPOSITIF DE TRAITEMENT D'INFORMATIONS, PROCEDE DE TRAITEMENT D'INFORMATIONS ET PROGRAMME**

[72] JUNG, SAE HYUNG, JP

[72] HASEGAWA, HIROKAZU, JP

[71] OVICE, INC., JP

[85] 2022-02-24

[86] 2021-04-23 (PCT/JP2021/016458)

[87] (WO2021/235173)

[30] JP (2020-087176) 2020-05-19

[30] JP (2020-110871) 2020-06-26

[30] JP (2020-137271) 2020-08-17

[30] JP (2020-172415) 2020-10-13

[30] JP (2020-187756) 2020-11-11

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[21] **3,152,655**

[13] A1

[51] **Int.Cl. G06F 30/00 (2020.01) G01P
5/00 (2006.01) G06N 3/08 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR
AUTOMATICALLY
CALCULATING ARTIFICIAL
INTELLIGENCE-BASED DESIGN
WIND SPEED**

[54] **PROCEDE ET SYSTEME
REPOSANT SUR
L'INTELLIGENCE ARTIFICIELLE
POUR LA DETERMINATION
AUTOMATIQUE D'UNE VITESSE
DE VENT MODELE**

[72] KANG, THOMAS HYUN KOO, KR

[72] JEONG, SEUNG YONG, KR

[72] LEE, DONG HYEOK, KR

[71] SEOUL NATIONAL UNIVERSITY
R&DB FOUNDATION, KR

[85] 2022-02-24

[86] 2019-10-07 (PCT/KR2019/013114)

[87] (WO2020/159034)

[30] KR (10-2019-0012058) 2019-01-30

[21] **3,152,657**

[13] A1

[51] **Int.Cl. G06Q 40/04 (2012.01) G06F
21/31 (2013.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR
MOBILE DIGITAL CURRENCY
FUTURE EXCHANGE**

[54] **SYSTEMES ET PROCEDES
D'ECHANGE FUTUR DE
MONNAIE NUMERIQUE MOBILE**

[72] KIGHT, LAWSON, SG

[72] SCHLENKER, BRANDON, SG

[72] LEVASSEUR, VICTOR, SG

[72] WONG, JINNY, SG

[72] PHILIPPE, JOSHUA, SG

[72] CURRY, MICHAEL, SG

[72] CRUCE, BRADLEY, SG

[71] HDR SG PTE. LTD., SG

[85] 2022-02-25

[86] 2020-09-04 (PCT/IB2020/000711)

[87] (WO2021/044214)

[30] US (62/895,573) 2019-09-04

[30] US (63/054,172) 2020-07-20

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[21] 3,152,658 [13] A1	[21] 3,152,660 [13] A1
<p>[51] Int.Cl. A61K 39/215 (2006.01) A61P 31/14 (2006.01) C12N 7/00 (2006.01) C12N 15/86 (2006.01)</p> <p>[25] EN</p> <p>[54] EXPRESSION VECTOR AGAINST SEVERE ACUTE RESPIRATORY SYNDROME VIRUS SARS-COV-2</p> <p>[54] VECTEUR D'EXPRESSION CONTRE LE CORONAVIRUS DU SYNDROME RESPIRATOIRE AIGU SEVERE 2 (SRAS-COV-2)</p> <p>[72] ZUBKOVA, OLGA VADIMOVNA, RU</p> <p>[72] OZHAROVSKAIA, TATIANA ANDREEVNA, RU</p> <p>[72] DOLZHIKOVA, INNA VADIMOVNA, RU</p> <p>[72] POPOVA, OLGA, RU</p> <p>[72] SHCHEBBLIAKOV, DMITRII VIKTOROVICH, RU</p> <p>[72] GROUSOVA, DARIA MIKHAILOVNA, RU</p> <p>[72] DZHARULLAEVA, ALINA SHAHMIROVNA, RU</p> <p>[72] TUKHVATULIN, AMIR ILDAROVICH, RU</p> <p>[72] TUKHVATULINA, NATALIA MIKHAILOVNA, RU</p> <p>[72] SHCHERBININ, DMITRII NIKOLAEVICH, RU</p> <p>[72] ESMAGAMBETOV, ILIAS BULATOVICH, RU</p> <p>[72] TOKARSKAYA, ELIZAVETA ALEXANDROVNA, RU</p> <p>[72] BOTIKOV, ANDREI GENNADEVICH, RU</p> <p>[72] EROKOVA, ALINA SERGEEVNA, RU</p> <p>[72] NIKITENKO, NATALYA ANATOLEVNA, RU</p> <p>[72] SEMIKHIN, ALEKSANDR SERGEEVICH, RU</p> <p>[72] BORISEVICH, SERGEY VLADIMIROVICH, RU</p> <p>[72] NARODITSKY, BORIS SAVELIEVICH, RU</p> <p>[72] LOGUNOV, DENIS YURIEVICH, RU</p> <p>[72] GINTSBURG, ALEKSANDR LEONIDOVICH, RU</p> <p>[71] FEDERAL STATE BUDGETARY INSTITUTION "NATIONAL RESEARCH CENTRE FOR EPIDEMIOLOGY AND MICROBIOLOGY NAMED AFTER THE HONORARY ACADEMICIAN N.F. GAMALEYA" OF THE MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION, RU</p> <p>[85] 2022-02-24</p> <p>[86] 2020-11-06 (PCT/RU2020/000589)</p> <p>[87] (WO2021/076009)</p>	<p>[51] Int.Cl. B65D 47/20 (2006.01)</p> <p>[25] EN</p> <p>[54] DISPENSING CLOSURE</p> <p>[54] FERMETURE DE DISTRIBUTION</p> <p>[72] CONCEICAO, GUARACI, BR</p> <p>[72] LOPES, CARLOS EDUARDO, BR</p> <p>[72] SIMOES, NIVEA, BR</p> <p>[71] JOHNSON & JOHNSON CONSUMER INC., US</p> <p>[85] 2022-02-25</p> <p>[86] 2020-08-26 (PCT/IB2020/057963)</p> <p>[87] (WO2021/038458)</p> <p>[30] US (62/894,058) 2019-08-30</p>

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[51] Int.Cl. A61K 39/215 (2006.01) A61P 31/14 (2006.01) C12N 7/00 (2006.01) C12N 15/86 (2006.01)	[51] Int.Cl. G01S 17/10 (2020.01) G01S 7/497 (2006.01)	[51] Int.Cl. C07D 401/14 (2006.01) A61K 31/395 (2006.01) A61K 31/495 (2006.01) A61K 31/501 (2006.01) A61P 7/02 (2006.01) A61P 9/10 (2006.01) C07D 401/10 (2006.01) C07D 401/12 (2006.01)
[25] EN	[25] EN	[25] EN
[54] PHARMACEUTICAL AGENT FOR INDUCING SPECIFIC IMMUNITY AGAINST SARS-COV-2	[54] LIDAR SYSTEM AND METHOD FOR DETERMINING DISTANCES OF TARGETS	[54] FXIA INHIBITORS AND PREPARATION METHOD THEREFOR AND PHARMACEUTICAL USE THEREOF
[54] AGENT PHARMACEUTIQUE POUR INDUIRE UNE IMMUNITE SPECIFIQUE CONTRE LE SRAS-COV-2	[54] SYSTEME LIDAR ET PROCEDE DE DETERMINATION DE DISTANCES DE CIBLES	[54] INHIBITEUR DE FXIA, SON PROCEDE DE PREPARATION ET SON UTILISATION PHARMACEUTIQUE
[72] ZUBKOVA, OLGA VADIMOVNA, RU	[72] PITTS, OLIVER JAMES, CA	[72] WU, JUNJUN, CN
[72] OZHAROVSKAIA, TATIANA ANDREEVNA, RU	[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA	[72] LU, YINSUO, CN
[72] DOLZHIKOVA, INNA VADIMOVNA, RU	[85] 2022-02-25	[72] XIAO, YING, CN
[72] POPOVA, OLGA, RU	[86] 2020-08-17 (PCT/IB2020/057736)	[72] HONG, ZEXIN, CN
[72] SHCHEBLYAKOV, DMITRII VIKTOROVICH, RU	[87] (WO2021/038371)	[72] WU, JIANLI, CN
[72] GROUSOVA, DARIA MIKHAILOVNA, RU	[30] US (62/893,280) 2019-08-29	[72] XING, WEI, CN
[72] DZHARULLAEVA, ALINA SHAHMIROVNA, RU		[71] SHENZHEN SALUBRIS PHARMACEUTICALS CO. LTD., CN
[72] TUKHVATULIN, AMIR ILDAROVICH, RU	[21] 3,152,665 [13] A1	[85] 2022-02-25
[72] TUKHVATULINA, NATALIA MIKHAILOVNA, RU	[51] Int.Cl. A61K 38/17 (2006.01) C07K 14/475 (2006.01)	[86] 2020-09-24 (PCT/CN2020/117257)
[72] SHCHERBININ, DMITRII NIKOLAEVICH, RU	[25] EN	[87] (WO2021/057818)
[72] ESMAGAMBETOV, ILIAS BULATOVICH, RU	[54] MODIFIED TFF2 POLYPEPTIDES	[30] CN (201910923960.8) 2019-09-27
[72] TOKARSKAYA, ELIZAVETA ALEXANDROVNA, RU	[54] POLYPEPTIDES TFF2 MODIFIES	[30] CN (201911318870.2) 2019-12-19
[72] BOTIKOV, ANDREI GENNADEVICH, RU	[72] LEDERMAN, SETH, US	[30] CN (202010902000.6) 2020-09-01
[72] EROXOVA, ALINA SERGEEVNA, RU	[72] DAUGHERTY, BRUCE, US	
[72] IZHAeva, FATIMA MAGOMETOVNA, RU	[71] TONIX PHARMA LIMITED, IE	
[72] SEMIKHIN, ALEKSANDR SERGEEVICH, RU	[85] 2022-02-25	
[72] BORISEVICH, SERGEY VLADIMIROVICH, RU	[86] 2020-08-27 (PCT/IB2020/000699)	
[72] NARODITSKIY, BORIS SAVELIEVICH, RU	[87] (WO2021/038296)	
[72] LOGUNOV, DENIS YURYEVICH, RU	[30] US (62/892,520) 2019-08-27	
[72] GINTSBURG, ALEKSANDR LEONIDOVICH, RU	[30] US (62/943,803) 2019-12-04	
[71] FEDERAL STATE BUDGETARY INSTITUTION "NATIONAL RESEARCH CENTRE FOR EPIDEMIOLOGY AND MICROBIOLOGY NAMED AFTER THE HONORARY ACADEMICIAN N.F. GAMALEYA" OF THE MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION, RU	[30] US (63/041,097) 2020-06-18	
[85] 2022-02-24		
[86] 2020-11-09 (PCT/RU2020/000591)		
[87] (WO2021/076010)		

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[21] **3,152,669**
[13] A1

[51] **Int.Cl. G06F 30/27 (2020.01) G06F 17/15 (2006.01) G06F 17/18 (2006.01)**

[25] EN

[54] **RESERVOIR-BASED MODELING METHOD AND DEVICE FOR PORE NETWORK MODEL**

[54] **PROCEDE ET DISPOSITIF DE MODELISATION A BASE DE RESERVOIR POUR MODELE DE RESEAU DE PORES**

[72] WANG, MENG, CN
[72] YANG, YUQING, CN
[72] TANG, YANBING, CN
[72] ZHANG, ZHIQIANG, CN
[72] GAO, YONGDE, CN
[72] YANG, XIN, CN
[72] LIU, HAIBO, CN
[72] LIU, ZHIJIE, CN
[72] LI, MIN, CN
[72] HE, YUCHUN, CN
[71] CHINA OILFIELD SERVICES LIMITED, CN

[85] 2022-02-25
[86] 2020-11-03 (PCT/CN2020/126212)
[87] (WO2022/011893)
[30] CN (202010681232.3) 2020-07-15

[21] **3,152,674**
[13] A1

[51] **Int.Cl. C07D 231/40 (2006.01) A61K 31/415 (2006.01) A61K 31/4155 (2006.01) A61K 31/454 (2006.01) A61K 31/496 (2006.01) A61P 35/00 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01)**

[25] EN

[54] **PYRAZOLE DERIVATIVE FOR FGFR INHIBITOR AND PREPARATION METHOD THEREFOR**

[54] **DERIVE DE PYRAZOLE POUR INHIBITEUR DE FGFR ET SON PROCEDE DE PREPARATION**

[72] ZHENG, QIANGANG, CN
[72] LU, JITING, CN
[72] YAO, JIAQI, CN
[71] ETERN BIOPHARMA (SHANGHAI) CO., LTD., CN

[85] 2022-02-25
[86] 2020-08-28 (PCT/CN2020/112173)
[87] (WO2021/037219)
[30] CN (201910819661.X) 2019-08-31
[30] CN (202010451000.9) 2020-05-25

[21] **3,152,676**
[13] A1

[51] **Int.Cl. C08L 23/26 (2006.01) C08F 8/46 (2006.01) C09D 11/00 (2014.01) C09D 123/26 (2006.01) C09J 123/26 (2006.01) C08F 10/00 (2006.01)**

[25] EN

[54] **MODIFIED POLYOLEFIN RESIN AND DISPERSION COMPOSITION THEREOF**

[54] **RESINE DE POLYOLEFINE MODIFIEE ET COMPOSITION DE DISPERSION**

[72] KOIKE, RYO, JP
[72] SAKAKIBARA, FUMIYASU, JP
[72] SEKIGUCHI, SHUNJI, JP
[72] DOI, RYUJI, JP
[71] NIPPON PAPER INDUSTRIES CO., LTD., JP

[85] 2022-02-25
[86] 2020-08-24 (PCT/JP2020/031862)
[87] (WO2021/039729)
[30] JP (2019-157406) 2019-08-29

[21] **3,152,679**
[13] A1

[51] **Int.Cl. C07K 1/107 (2006.01) C07K 14/195 (2006.01) C07K 16/00 (2006.01) C07K 16/18 (2006.01)**

[25] EN

[54] **ATYPICAL SPLIT INTEINS AND USES THEREOF**

[54] **INTEINES CLIVEES ATYPIQUES ET LEURS UTILISATIONS**

[72] MUIR, TOM W., US
[72] STEVENS, ADAM, US
[72] GRAMESPACHER, JOSEF, US
[72] COWBURN, DAVID, US
[72] SEKAR, GIRIDHAR, US
[71] THE TRUSTEES OF PRINCETON UNIVERSITY, US
[71] ALBERT EINSTEIN COLLEGE OF MEDICINE, US

[85] 2022-02-25
[86] 2019-08-28 (PCT/US2019/048508)
[87] (WO2021/040703)

[21] **3,152,683**
[13] A1

[51] **Int.Cl. A61K 31/722 (2006.01) A61K 47/69 (2017.01) A61K 33/30 (2006.01)**

[25] EN

[54] **PATHOGENIC CONTROL COMPOSITIONS AND METHODS**

[54] **PROCEDES ET COMPOSITIONS DE LUTTE CONTRE LES AGENTS PATHOGENES**

[72] BRACEWELL, JR., JOHN KENNETH, US
[71] SALVEO, INC., US

[85] 2022-02-25
[86] 2019-08-30 (PCT/US2019/049201)
[87] (WO2021/040744)

[21] **3,152,684**
[13] A1

[51] **Int.Cl. B67C 11/02 (2006.01) A47F 13/08 (2006.01) A47J 47/00 (2006.01) B65B 39/00 (2006.01)**

[25] EN

[54] **UTENSIL FOR COLLECTING AND POURING SOLID OR LIQUID PRODUCTS**

[54] **USTENSILE POUR COLLECTER ET VERSER DES PRODUITS SOLIDES OU LIQUIDES**

[72] SPINACCE, EMANUELA, IT
[71] SPINACCE, EMANUELA, IT

[85] 2022-02-25
[86] 2020-07-17 (PCT/IB2020/056728)
[87] (WO2021/069978)
[30] IT (202019000003584) 2019-10-10
[30] IT (20202000000199) 2020-01-17

[21] **3,152,685**
[13] A1

[51] **Int.Cl. A61B 17/80 (2006.01)**

[25] EN

[54] **PLATE CONNECTION**

[54] **RACCORDEMENT DE PLAQUES**

[72] FATONE, PETER, US
[72] DUDE, STEFAN, CH
[71] DEPUY SYNTHES PRODUCTS, INC., US

[85] 2022-02-25
[86] 2020-08-17 (PCT/IB2020/057734)
[87] (WO2021/038370)
[30] US (16/553,676) 2019-08-28

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[21] **3,152,688**
[13] A1

[51] **Int.Cl. G06F 16/24 (2019.01) G06F 21/62 (2013.01)**
[25] EN
[54] **EMPIRICALLY PROVIDING DATA PRIVACY WITH REDUCED NOISE**
[54] **FOURNITURE EMPIRIQUE DE CONFIDENTIALITE DE DONNEES AVEC UN BRUIT REDUIT**
[72] BURCHARD, PAUL, US
[72] DAOU, ANTHONY, US
[72] DOTERRER, DOMINIC, US
[71] GOLDMAN SACHS & CO. LLC, US
[85] 2022-02-25
[86] 2020-08-29 (PCT/IB2020/058078)
[87] (WO2021/038531)
[30] US (62/893,376) 2019-08-29
[30] US (62/897,687) 2019-09-09
[30] US (62/905,657) 2019-09-25
[30] US (62/913,089) 2019-10-09
[30] US (62/933,800) 2019-11-11
[30] US (62/968,742) 2020-01-31
[30] US (17/006,061) 2020-08-28

[21] **3,152,691**
[13] A1

[51] **Int.Cl. F04B 53/10 (2006.01) E21B 43/12 (2006.01) F04B 47/08 (2006.01) F04B 53/12 (2006.01) F04B 53/14 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PRODUCING WELL FLUIDS**
[54] **PROCEDE ET APPAREIL DE PRODUCTION DE FLUIDES DE PUIITS**
[72] JORDAN, JR., HENRY JOE, US
[71] LIQUID ROD LIFT, LLC, US
[85] 2022-02-25
[86] 2020-08-26 (PCT/US2020/047983)
[87] (WO2021/041531)
[30] US (62/893,090) 2019-08-28
[30] US (63/026,548) 2020-05-18
[30] US (17/002,654) 2020-08-25

[21] **3,152,693**
[13] A1

[51] **Int.Cl. A61K 38/18 (2006.01) A61P 27/00 (2006.01) A61P 27/02 (2006.01) C07K 16/22 (2006.01) C07K 16/42 (2006.01)**
[25] EN
[54] **MODIFIED DOSING OF VEGF INHIBITORS FOR OPHTHALMIC USE**
[54] **DOSAGE MODIFIE D'INHIBITEURS DE VEGF POUR UNE UTILISATION OPHTALMIQUE**
[72] BAKHLE, DHANANJAY SADASHIV, IN
[72] SHAH, CHIRAG ANILKUMAR, IN
[72] CHAVAN, PREETAM NIVRUTTI, IN
[71] LUPIN LIMITED, IN
[85] 2022-02-25
[86] 2020-09-10 (PCT/IB2020/058409)
[87] (WO2021/048779)
[30] IN (201921036781) 2019-09-12

[21] **3,152,695**
[13] A1

[51] **Int.Cl. A24F 40/42 (2020.01) A24F 40/50 (2020.01) A24F 40/10 (2020.01)**
[25] EN
[54] **AEROSOL PROVISION SYSTEMS**
[54] **SYSTEMES DE GENERATION D'AEROSOL**
[72] BOHAM, SCOTT GEORGE, GB
[72] HUGHES, STEVE, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-02-25
[86] 2020-08-13 (PCT/GB2020/051928)
[87] (WO2021/038189)
[30] GB (1912477.5) 2019-08-30

[21] **3,152,696**
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **COMPLIANCE METHOD**
[54] **PROCEDE D'OBSERVANCE**
[72] MCEWAN, MICHAEL, GB
[72] HARDIE, GEORGE GRANT, GB
[72] CAMACHO, OSCAR, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-02-25
[86] 2020-08-28 (PCT/GB2020/052066)
[87] (WO2021/038239)
[30] GB (1912520.2) 2019-08-30

[21] **3,152,724**
[13] A1

[51] **Int.Cl. B63B 49/00 (2006.01) F16M 11/04 (2006.01)**
[25] EN
[54] **ADJUSTABLE ELECTRONICS MOUNTING PLATFORM AND RELATED METHODS**
[54] **PLATEFORME DE MONTAGE ELECTRONIQUE AJUSTABLE ET PROCEDES ASSOCIES**
[72] HOUSMAN, GLENN D., US
[72] WOLFE, CHRISTOPHER D., US
[71] ISLA MAPPING LLC, US
[85] 2022-02-25
[86] 2020-08-26 (PCT/US2020/047907)
[87] (WO2021/041483)
[30] US (62/891,478) 2019-08-26
[30] US (17/002,932) 2020-08-26

[21] **3,152,730**
[13] A1

[51] **Int.Cl. F24F 11/39 (2018.01) F24F 11/63 (2018.01) B01D 46/42 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS TO DETECT DIRT LEVEL OF FILTERS**
[54] **SYSTEMES ET PROCEDES DE DETECTION DU NIVEAU DE SALISSURE DE FILTRES**
[72] SONG, ZHEN, US
[72] CONTE, GREGORY, US
[72] WANG, QINPENG, US
[71] SIEMENS INDUSTRY, INC., US
[85] 2022-02-25
[86] 2020-08-20 (PCT/US2020/047087)
[87] (WO2021/041134)
[30] US (16/555,978) 2019-08-29

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[21] **3,152,733**
[13] A1

[51] **Int.Cl. G08B 5/38 (2006.01) G08B 25/04 (2006.01) G08B 29/18 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR MANAGING CURRENT OF A NOTIFICATION APPLIANCE CIRCUIT**

[54] **SYSTEME ET PROCEDE DE GESTION DU COURANT D'UN CIRCUIT D'APPAREIL DE NOTIFICATION**

[72] KRIETE, RICHARD, US

[72] MASTROIANNI, EUGENE, US

[71] SIEMENS INDUSTRY, INC., US

[85] 2022-02-25

[86] 2020-08-20 (PCT/US2020/047100)

[87] (WO2021/041135)

[30] US (16/557,738) 2019-08-30

[21] **3,152,734**
[13] A1

[51] **Int.Cl. A61K 9/48 (2006.01) A61J 3/07 (2006.01) A61K 9/20 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD OF MULTI-DRUG DELIVERY**

[54] **SYSTEME ET METHODE D'ADMINISTRATION DE MULTIPLES MEDICAMENTS**

[72] QIU, YIHONG, US

[72] ZHOU, DELIANG, US

[72] SHEBLEY, MOHAMAD, US

[72] NG, JUKI WING-KEUNG, US

[72] MOHAMED, AHMED, US

[72] HAN, JIAN-HWA, US

[72] METZGER, DAVID, US

[72] RUGGLES, ALEXANDER, US

[72] ZU, HUI, US

[72] SHAO, XI, US

[72] GONG, YUCHUAN, US

[72] CHEN, YISHENG, CN

[72] GONG, JIAN, CN

[72] LI, MIN, CN

[71] ABBVIE INC., US

[85] 2022-02-25

[86] 2020-08-27 (PCT/US2020/048107)

[87] (WO2021/041608)

[30] US (62/893,573) 2019-08-29

[30] US (62/893,567) 2019-08-29

[30] US (62/981,180) 2020-02-25

[30] US (63/022,823) 2020-05-11

[21] **3,152,740**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01)**

[25] EN

[54] **METHODS FOR THE TREATMENT OF THYROID EYE DISEASE**

[54] **PROCEDES POUR LE TRAITEMENT D'UNE MALADIE OCULAIRE THYROIDIENNE**

[72] SHERMAN, JEFFREY, BM

[71] HORIZON THERAPEUTICS IRELAND DAC, IE

[85] 2022-02-25

[86] 2020-08-28 (PCT/US2020/048350)

[87] (WO2021/041773)

[30] US (62/892,849) 2019-08-28

[21] **3,152,760**
[13] A1

[51] **Int.Cl. A61K 9/14 (2006.01) A61K 31/4406 (2006.01) A61K 47/14 (2017.01) A61P 7/00 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01)**

[25] EN

[54] **CHIDAMIDE PHARMACEUTICAL COMPOSITION, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF**

[54] **COMPOSITION PHARMACEUTIQUE DE CHIDAMIDE, PROCEDE DE PREPARATION ET APPLICATION ASSOCIES**

[72] LU, XIANPING, CN

[72] WANG, SHIGANG, CN

[72] SHAN, SONG, CN

[72] ZHAO, CHUANTONG, CN

[72] ZHANG, YU, CN

[72] DENG, XINGYU, CN

[72] PAN, DESI, CN

[71] SHENZHEN CHIPSCREEN BIOSCIENCES CO., LTD., CN

[85] 2022-02-25

[86] 2020-08-27 (PCT/CN2020/111540)

[87] (WO2021/037091)

[30] CN (201910803057.8) 2019-08-28

[21] **3,152,761**
[13] A1

[51] **Int.Cl. B64C 3/54 (2006.01) B64C 1/30 (2006.01) B64C 5/12 (2006.01)**

[25] EN

[54] **VARIABLE-SPAN WING AND ASSOCIATED AIRCRAFT**

[54] **AILE A ENVERGURE VARIABLE ET AERONEF ASSOCIE**

[72] RANDALL, RYAN MICHAEL, US

[72] CHEN, CHUNMEI, CN

[71] RANDALL AERODYNAMIC ENGINEERING, GUANGZHOU, LLC, CN

[71] QINGDAO RANDALL AERODYNAMIC ENGINEERING, LLC, CN

[71] RANDALL, RYAN MICHAEL, US

[71] CHEN, CHUNMEI, CN

[85] 2022-02-25

[86] 2019-08-26 (PCT/CN2019/102471)

[87] (WO2021/035459)

[21] **3,152,762**
[13] A1

[51] **Int.Cl. A61F 2/04 (2013.01) A61L 31/14 (2006.01) A61L 31/16 (2006.01) A61M 31/00 (2006.01)**

[25] EN

[54] **SUBMUCOSAL BIORESORBABLE DRUG ELUTING PLATFORM**

[54] **PLATEFORME D'ELUTION SOUS-MUQUEUSE DE MEDICAMENT BIORESORBABLE**

[72] NGO, TU DUC, US

[72] GARNICA, DIEGO JAVIER, US

[72] STANKUS, JOHN JOSEPH, US

[72] SU, JAMES, US

[72] ABBATE, ANTHONY J., US

[71] INTERSECT ENT, INC., US

[85] 2022-02-25

[86] 2020-08-28 (PCT/US2020/048362)

[87] (WO2021/041779)

[30] US (62/894,113) 2019-08-30

[30] US (17/004,753) 2020-08-27

PCT Applications Entering the National Phase

[21] **3,152,763**
[13] A1

[51] **Int.Cl. C12N 9/20 (2006.01)**
[25] EN
[54] **ENGINEERED LIPASE VARIANTS VARIANTS DE LIPASE MODIFIES**
[72] CHNG, CHINPING, US
[72] HALLOWS, WILLIAM, CASEY, US
[72] VIDUYA, JUDY, VICTORIA ANTONIO, US
[72] DELLAS, NIKKI, US
[72] GALANIE, STEPHANIE, SUE, US
[72] VALLIEU, KRISTEN, JEAN, US
[71] CODEXIS, INC., US
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-02-25
[86] 2020-08-28 (PCT/US2020/048405)
[87] (WO2021/041809)
[30] US (62/894,019) 2019-08-30

[21] **3,152,764**
[13] A1

[51] **Int.Cl. A01H 6/46 (2018.01)**
[25] EN
[54] **TRANSFORMED PLANTS AND METHODS FOR MAKING AND USING THE SAME**
[54] **PLANTES TRANSFORMEES ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] MARQUESS, FOLEY L.S., CA
[72] DEFOOR, PAUL J., US
[71] RELICA GENOMICS INC., CA
[85] 2022-02-25
[86] 2020-08-27 (PCT/US2020/048294)
[87] (WO2021/041743)
[30] US (62/892,219) 2019-08-27

[21] **3,152,765**
[13] A1

[51] **Int.Cl. B65B 25/02 (2006.01) B31B 70/62 (2017.01) B31B 70/82 (2017.01) B31B 70/83 (2017.01) B65B 5/02 (2006.01) B65B 9/08 (2012.01) B65B 9/20 (2012.01) B65B 41/12 (2006.01) B65B 51/10 (2006.01) B65B 61/00 (2006.01) B65D 33/04 (2006.01)**
[25] EN
[54] **RECYCLABLE COMPOSTABLE PAPER BAG**
[54] **SAC EN PAPIER RECYCLABLE COMPOSTABLE**
[72] RESCH, MARK, US
[72] BRETL, NEIL, US
[71] THE PAPER PEOPLE LLC, US
[85] 2022-02-25
[86] 2020-08-28 (PCT/US2020/048432)
[87] (WO2021/041827)
[30] US (62/893,345) 2019-08-29

[21] **3,152,766**
[13] A1

[51] **Int.Cl. F03D 17/00 (2016.01) F03D 7/00 (2006.01)**
[25] EN
[54] **DETECTION OF ABNORMAL CONDITIONS ON A WIND TURBINE GENERATOR**
[54] **DETECTION DE CONDITIONS ANORMALES SUR UN AEROGENERATEUR**
[72] LUBKER, POUL ANKER SKAARUP, CH
[72] MINGALIEV, SHAVKAT, AT
[72] BEYREM, KHALFAOUI, AT
[72] IQBAL, HASSAN, AT
[72] TENCALIEC, PATRICIA, AT
[72] TOLRON, XAVIER, AT
[71] VENTUS ENGINEERING GMBH, AT
[85] 2022-02-17
[86] 2020-08-21 (PCT/EP2020/073542)
[87] (WO2021/037751)
[30] EP (19193364.7) 2019-08-23

[21] **3,152,767**
[13] A1

[51] **Int.Cl. A47C 27/10 (2006.01) A47C 27/08 (2006.01) A47C 31/12 (2006.01) A61B 5/103 (2006.01) A61B 5/11 (2006.01) A61G 7/057 (2006.01)**
[25] EN
[54] **SMART MATTRESS SYSTEM AND METHODS FOR PATIENT MONITORING AND REPOSITIONING**
[54] **SYSTEME DE MATELAS INTELLIGENT ET PROCEDES DE SURVEILLANCE ET DE REPOSITIONNEMENT DE PATIENT**
[72] LEE, JONG WOO, US
[72] RODRIGUEZ, ANDRES, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[71] RODRIGUEZ, ANDRES, US
[85] 2022-02-25
[86] 2020-08-27 (PCT/US2020/048298)
[87] (WO2021/041747)
[30] US (62/893,236) 2019-08-29

[21] **3,152,769**
[13] A1

[51] **Int.Cl. F25B 27/02 (2006.01) F24F 1/08 (2011.01) F24F 1/022 (2019.01) B60H 1/32 (2006.01) F25B 1/02 (2006.01) F25B 6/00 (2006.01) F25B 49/02 (2006.01)**
[25] EN
[54] **HEAT-DRIVEN VAPOR-COMPRESSION SYSTEM FOR AIR-CONDITIONING AND REFRIGERATION**
[54] **SYSTEME DE COMPRESSION DE VAPEUR ENTRAINE PAR LA CHALEUR POUR CLIMATISATION ET REFRIGERATION**
[72] GENTRY, TODD, US
[71] HYPERBOREAN, INC., US
[85] 2022-02-25
[86] 2020-08-31 (PCT/US2020/048805)
[87] (WO2021/042056)
[30] US (62/894,422) 2019-08-30

Demandes PCT entrant en phase nationale

[21] **3,152,770**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 519/00 (2006.01)**

[25] EN

[54] **N-(2-AMINOPHENYL)-PROP-2-ENAMIDE DERIVATIVES, AND USES THEREOF IN THE TREATMENT OF CANCER**

[54] **DERIVES DE N-(2-AMINOPHENYL)-PROP-2-ENAMIDE, ET LEURS UTILISATIONS DANS LE TRAITEMENT D'UN CANCER**

[72] RADHAKRISHNAN, SRIDHAR, SG

[72] TENEN, DANIEL G., SG

[72] LIU, BEE HUI, SG

[72] VU LE, KIM ANH, SG

[72] GO, MEI LIN, SG

[72] CHAI, LI, US

[72] GAO, CHONG, US

[72] KAMAL, AHMED, IN

[72] SUNKARI, SATISH, IN

[72] AYINAMPUDI, VENKATA SUBBARAO, IN

[72] SYED, RIYAZ, IN

[71] NATIONAL UNIVERSITY OF SINGAPORE, SG

[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC, US

[71] INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY, IN

[85] 2022-02-25

[86] 2020-08-28 (PCT/US2020/048477)

[87] (WO2021/041861)

[30] US (62/894,189) 2019-08-30

[21] **3,152,771**
[13] A1

[51] **Int.Cl. A01H 1/02 (2006.01) A01H 1/00 (2006.01) A01H 6/46 (2018.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR TIME OF POLLINATING CEREAL CROPS**

[54] **PROCEDE ET SYSTEME CONCERNANT LE TEMPS DE POLLINISATION DE CULTURES CEREALIERES**

[72] VALVERDE, FEDERICO, US

[72] TRECKER, ELIZABETH ANN, US

[72] LAUER, MICHAEL J., US

[72] GEE, MARK, US

[72] SINGLETARY, GEORGE, US

[72] KRONE, TODD, US

[72] COPE, JASON, US

[72] KRAMER, CHASE, US

[72] STEFANI, ANTHONY, US

[71] ACCELERATED AG TECHNOLOGIES, LLC, US

[85] 2022-02-25

[86] 2020-08-28 (PCT/US2020/048337)

[87] (WO2021/041767)

[30] US (62/894,354) 2019-08-30

[21] **3,152,772**
[13] A1

[51] **Int.Cl. G01N 21/01 (2006.01) G01N 21/63 (2006.01) G01N 21/75 (2006.01) G01N 21/77 (2006.01) G01N 21/84 (2006.01) G01N 30/74 (2006.01)**

[25] EN

[54] **TEST DEVICE, ASSEMBLY, AND METHOD**

[54] **DISPOSITIF DE TEST, ENSEMBLE ET PROCEDE**

[72] GRAHAM, PAUL, US

[72] MARKOVSKY, ROBERT J., US

[71] CHARM SCIENCES, INC., US

[85] 2022-02-26

[86] 2020-09-03 (PCT/US2020/049116)

[87] (WO2021/046164)

[30] US (62/895,165) 2019-09-03

[30] US (62/932,124) 2019-11-07

[21] **3,152,775**
[13] A1

[51] **Int.Cl. G06F 9/448 (2018.01) G06F 8/41 (2018.01) G06F 9/54 (2006.01)**

[25] EN

[54] **TECHNIQUES FOR INTERFACING BETWEEN MEDIA PROCESSING WORKFLOWS AND SERVERLESS FUNCTIONS**

[54] **TECHNIQUES D'INTERFACAGE ENTRE DES FLUX DE TRAVAIL DE TRAITEMENT DE SUPPORTS ET DES FONCTIONS SANS SERVEUR**

[72] SAN MIGUEL, FRANCISCO J., US

[72] VASANI, AMEYA, US

[72] VASILYEV, DMITRY, US

[72] LIN, CHIH HAO, US

[72] LIU, XIAOMEI, US

[72] MAREDDY, NAVEEN, US

[72] YE, GUANHUA, US

[72] MANOHARA, MEGHA, US

[72] MOORTHY, ANUSH, US

[71] NETFLIX, INC., US

[85] 2022-02-25

[86] 2020-08-31 (PCT/US2020/048809)

[87] (WO2021/045997)

[30] US (62/895,474) 2019-09-03

[30] US (16/690,071) 2019-11-20

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[21] **3,152,776**
[13] A1

[51] **Int.Cl. C07K 16/32 (2006.01) C07K 14/30 (2006.01) C07K 14/82 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL FORMULATIONS AND DOSAGE REGIMENS FOR MULTI-SPECIFIC BINDING PROTEINS THAT BIND HER2, NKG2D, AND CD16 FOR CANCER TREATMENT**

[54] **FORMULATIONS PHARMACEUTIQUES ET SCHEMAS POSOLOGIQUES POUR DES PROTEINES DE LIAISON MULTI-SPECIFIQUES QUI SE LIENT A HER2, NKG2D ET CD16 POUR LE TRAITEMENT DU CANCER**

[72] CHANG, GREGORY, P., US
[72] CHEUNG, ANN, F., US
[72] CUIILLEROT, JEAN-MARIE, US
[72] GRINBERG, ASYA, US
[72] HANEY, WILLIAM, US
[72] MORGAN, CHRISTOPHER, RYAN, US
[72] NAILL, MICHAEL, C., US
[72] WAGTMANN, NICOLAI, US
[72] FALLON, DANIEL, US
[72] O'NEIL, STEVEN, US
[72] WEI, RONNIE, US
[71] DRAGONFLY THERAPEUTICS, INC., US
[85] 2022-02-25
[86] 2020-08-28 (PCT/US2020/048500)
[87] (WO2021/041878)
[30] US (62/894,047) 2019-08-30
[30] US (62/895,320) 2019-09-03
[30] US (62/916,935) 2019-10-18

[21] **3,152,777**
[13] A1

[51] **Int.Cl. G08B 13/183 (2006.01) G08B 21/08 (2006.01) G08B 25/10 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR AUTOMATICALLY DETECTING UNAUTHORIZED ENTRY INTO A POOL**

[54] **SYSTEME ET PROCEDE DE DETECTION AUTOMATIQUE D'ENTREE NON AUTORISEE DANS UNE PISCINE**

[72] VEGLIANTE, PAUL, US
[71] CUTTING EDGE PACKAGING SOLUTIONS, US
[85] 2022-02-25
[86] 2020-09-01 (PCT/US2020/048882)
[87] (WO2021/046016)
[30] US (16/561,586) 2019-09-05

[21] **3,152,778**
[13] A1

[51] **Int.Cl. B01D 53/32 (2006.01) B01D 53/50 (2006.01) B01D 53/56 (2006.01) B01D 53/62 (2006.01)**

[25] EN

[54] **ELECTROCHEMICAL CAPTURE OF LEWIS ACID GASES**

[54] **CAPTURE ELECTROCHIMIQUE DE GAZ ACIDES DE LEWIS**

[72] VOSKIAN, SAHAG, US
[72] HATTON, TREVOR ALAN, US
[72] HALLIDAY, CAMERON G., GB
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2022-02-25
[86] 2020-08-27 (PCT/US2020/048281)
[87] (WO2021/041734)
[30] US (62/892,975) 2019-08-28
[30] US (62/988,851) 2020-03-12

[21] **3,152,779**
[13] A1

[51] **Int.Cl. A61K 35/76 (2015.01) A61K 35/768 (2015.01) A61K 38/00 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **A NEW ONCOLYTIC VIRUS PLATFORM TO TREAT CANCERS WITH MYXOMA VIRUS**

[54] **NOUVELLE PLATE-FORME DE VIRUS ONCOLYTIQUE POUR TRAITER DES CANCERS A L'AIDE D'UN VIRUS DU MYXOME**

[72] MCFADDEN, DOUGLAS GRANT, US
[72] RAHMAN, MOHAMMED MASMUDUR, US
[72] VILLA, NANCY, US
[72] TORRES-DOMINGUEZ, LINO, US
[72] FRANCO ACHURY, LINA, US
[72] SHARP, LESLIE LYNNE, US
[71] ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY, US
[71] ONCOMYX THERAPEUTICS, INC., US
[85] 2022-02-25
[86] 2020-09-02 (PCT/US2020/049061)
[87] (WO2021/046125)
[30] US (62/894,925) 2019-09-02
[30] US (62/944,233) 2019-12-05

[21] **3,152,780**
[13] A1

[51] **Int.Cl. C12N 5/00 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR THE MODIFICATION AND DELIVERY OF LYMPHOCYTES**

[54] **METHODES ET COMPOSITIONS POUR LA MODIFICATION ET L'ADMINISTRATION DE LYMPHOCYTES**

[72] FROST, GREGORY IAN, US
[72] ONUFFER, JAMES JOSEPH, US
[72] HAERIZADEH, FARZAD, US
[72] VIGANT, FREDERIC, US
[72] KUNDU, ANIRBAN, US
[71] EXUMA BIOTECH CORP., US
[85] 2022-02-25
[86] 2020-08-31 (PCT/US2020/048843)
[87] (WO2021/042072)
[30] US (62/894,849) 2019-09-01
[30] US (62/894,852) 2019-09-01
[30] US (62/894,853) 2019-09-01
[30] US (62/894,926) 2019-09-02
[30] US (PCT/US2019/049259) 2019-09-02
[30] US (62/943,207) 2019-12-03
[30] US (62/985,741) 2020-03-05

[21] **3,152,781**
[13] A1

[51] **Int.Cl. A61K 31/727 (2006.01) C12N 5/0787 (2010.01) C12N 5/09 (2010.01) C08B 37/00 (2006.01)**

[25] EN

[54] **HEPARIN AND HEPARAN SULFATE FROM MODIFIED MST CELLS AND METHODS OF MAKING AND USING**

[54] **HEPARINE ET SULFATE D'HEPARANE ISSUS DE CELLULES MST MODIFIEES ET PROCEDES DE FABRICATION ET D'UTILISATION**

[72] GLASS, CHARLES, US
[72] THACKER, BRYAN, US
[72] ESKO, JEFFREY D., US
[71] TEGA THERAPEUTICS, INC., US
[85] 2022-02-25
[86] 2020-08-27 (PCT/US2020/048243)
[87] (WO2021/041711)
[30] US (62/892,477) 2019-08-27
[30] US (63/005,146) 2020-04-03

Demandes PCT entrant en phase nationale

[21] **3,152,782**
[13] A1

[51] **Int.Cl. A61K 8/9794 (2017.01) A61K 8/35 (2006.01) A61K 8/67 (2006.01) A61K 8/73 (2006.01) A61K 8/99 (2017.01) A61Q 11/00 (2006.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01)**

[25] EN

[54] **ENHANCED TOOTHPASTE AND KITS**

[54] **DENTIFRICE AMELIORE ET KITS**

[72] DEBAUN, DENISE, US

[71] BEAUTYPASTE LLC, US

[85] 2022-02-25

[86] 2020-09-01 (PCT/US2020/048929)

[87] (WO2021/046047)

[30] US (62/896,685) 2019-09-06

[21] **3,152,784**
[13] A1

[51] **Int.Cl. G01N 21/84 (2006.01) G01N 27/327 (2006.01) G01N 33/487 (2006.01) G01N 33/49 (2006.01) G01N 33/50 (2006.01) G01N 35/00 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD TO EVALUATE A FLUID SAMPLE ON A SINGLE-USE MULTIANALYTE CONSUMABLE**

[54] **DISPOSITIF ET PROCEDURE POUR EVALUER UN ECHANTILLON DE FLUIDE SUR UN CONSOMMABLE A MULTIPLES SUBSTANCES A ANALYSER A USAGE UNIQUE**

[72] SAMPRONI, JENNIFER, US

[71] SIEMENS HEALTHCARE DIAGNOSTICS INC., US

[85] 2022-02-25

[86] 2020-08-27 (PCT/US2020/048105)

[87] (WO2021/041607)

[30] US (62/893,357) 2019-08-29

[21] **3,152,785**
[13] A1

[51] **Int.Cl. C11D 1/14 (2006.01) C11D 1/22 (2006.01) C11D 1/24 (2006.01)**

[25] EN

[54] **CLEANING COMPOSITIONS CONTAINING GUM AND METHODS OF USE THEREWITH**

[54] **COMPOSITIONS DE NETTOYAGE COMPRENANT UNE GOMME ET PROCEDES D'UTILISATION ASSOCIES**

[72] MANASSRA, ADNAN RASHID, US

[72] SMITH, CHRISTOPHER WAYNE, US

[71] HARRIS RESEARCH, INC., US

[85] 2022-02-25

[86] 2020-09-15 (PCT/US2020/050860)

[87] (WO2021/055346)

[30] US (62/901,163) 2019-09-16

[30] US (17/020,924) 2020-09-15

[21] **3,152,786**
[13] A1

[51] **Int.Cl. C12N 5/078 (2010.01) C12N 5/0783 (2010.01) C12N 5/0789 (2010.01) C12N 15/113 (2010.01) C07K 14/725 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/10 (2006.01) C12P 21/00 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR MODULATING CELLULAR AGING**

[54] **PROCEDES ET COMPOSITIONS POUR LA MODULATION DU VIEILLISSEMENT CELLULAIRE**

[72] NICOLIS DI ROBILANT, BENEDETTA, US

[72] ADORNO, MADDALENA, US

[71] DORIAN THERAPEUTICS, INC., US

[85] 2022-02-25

[86] 2020-08-31 (PCT/US2020/048844)

[87] (WO2021/042073)

[30] US (62/893,618) 2019-08-29

[21] **3,152,787**
[13] A1

[51] **Int.Cl. A61K 35/768 (2015.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) C12N 7/00 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR IMPROVING ONCOLYTIC VIRUS INFECTION FOR NONPERMISSIVE CANCERS**

[54] **METHODES ET COMPOSITIONS POUR AMELIORER UNE INFECTION PAR LE VIRUS ONCOLYTIQUE POUR DES CANCERS NON PERMISSIFS**

[72] MCFADDEN, DOUGLAS GRANT, US

[72] RAHMAN, MOHAMMED MASMUDUR, US

[71] ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY, US

[85] 2022-02-25

[86] 2020-09-01 (PCT/US2020/048932)

[87] (WO2021/046048)

[21] **3,152,788**
[13] A1

[51] **Int.Cl. C07K 14/195 (2006.01) C07K 19/00 (2006.01) C12N 9/22 (2006.01)**

[25] EN

[54] **NOVEL CRISPR DNA TARGETING ENZYMES AND SYSTEMS**

[54] **NOUVEAUX ENZYMES ET SYSTEMES CIBLANT L'ADN CRISPR**

[72] SCOTT, DAVID A., US

[72] CHENG, DAVID R., US

[72] YAN, WINSTON X., US

[72] DITOMMASO, TIA M., US

[71] ARBOR BIOTECHNOLOGIES, INC., US

[85] 2022-02-25

[86] 2020-08-26 (PCT/US2020/048037)

[87] (WO2021/041569)

[30] US (62/892,446) 2019-08-27

[30] US (62/892,390) 2019-08-27

[30] US (62/892,358) 2019-08-27

[30] US (62/892,434) 2019-08-27

[30] US (62/892,382) 2019-08-27

[30] US (62/893,059) 2019-08-28

[30] US (62/893,064) 2019-08-28

[30] US (62/896,277) 2019-09-05

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[21] **3,152,789**
[13] A1

[51] **Int.Cl. C07K 14/575 (2006.01)**
[25] EN
[54] **CONJUGATED HEPCIDIN MIMETICS**
[54] **MIMETIQUES D'HEPCIDINE CONJUGUES**
[72] LIU, DAVID Y., US
[72] BOURNE, GREGORY THOMAS, AU
[72] TARANATH, ROOPA, US
[72] GUPTA, SUNEEL KUMAR, US
[72] MODI, NISHIT BACHULAL, US
[71] PROTAGONIST THERAPEUTICS, INC., US
[85] 2022-02-25
[86] 2020-09-03 (PCT/US2020/049244)
[87] (WO2021/046246)
[30] US (62/895,201) 2019-09-03
[30] US (62/983,515) 2020-02-28
[30] US (63/020,945) 2020-05-06
[30] US (63/059,747) 2020-07-31

[21] **3,152,792**
[13] A1

[51] **Int.Cl. A61K 8/49 (2006.01) A61K 36/539 (2006.01)**
[25] EN
[54] **PLANT ACTIVES AND THEIR ANTI-POLLUTION EFFECTS THEREOF**
[54] **PRINCIPES ACTIFS VEGETAUX ET LEURS EFFETS ANTI-POLLUTION**
[72] MAJEED, MUHAMMED, IN
[72] NAGABHUSHANAM, KALYANAM, US
[72] MUNDKUR, LAKSHMI, IN
[71] SAMI-SABINSA GROUP LIMITED, IN
[85] 2022-02-25
[86] 2020-08-26 (PCT/US2020/048022)
[87] (WO2021/041559)
[30] US (62/891,913) 2019-08-26

[21] **3,152,794**
[13] A1

[51] **Int.Cl. E21B 43/12 (2006.01) E21B 43/14 (2006.01)**
[25] EN
[54] **DOWNHOLE PUMP AND METHOD FOR PRODUCING WELL FLUIDS**
[54] **POMPE DE FOND DE TROU ET PROCEDE DE PRODUCTION DE FLUIDES DE PUIITS**
[72] JORDAN, JR., HENRY JOE, US
[72] WARD, RYAN MATTHEW, US
[72] ATILANO, CHRISTIAN, US
[71] LIQUID ROD LIFT, LLC, US
[85] 2022-02-25
[86] 2020-08-26 (PCT/US2020/047980)
[87] (WO2021/041528)
[30] US (62/893,090) 2019-08-28
[30] US (63/026,548) 2020-05-18
[30] US (17/002,637) 2020-08-25

[21] **3,152,790**
[13] A1

[51] **Int.Cl. A24F 40/50 (2020.01) A24F 40/10 (2020.01) A24F 40/40 (2020.01)**
[25] EN
[54] **VAPORIZATION DEVICE WITH LIQUID MANAGEMENT**
[54] **DISPOSITIF DE VAPORISATION A GESTION DE LIQUIDE**
[72] ALSAYAR, MAX, CA
[72] WOODS, PATRICK, CA
[71] HEXO OPERATIONS INC., CA
[85] 2022-02-28
[86] 2020-08-27 (PCT/CA2020/051169)
[87] (WO2021/042201)
[30] US (62/896,225) 2019-09-05

[21] **3,152,793**
[13] A1

[51] **Int.Cl. A61P 13/12 (2006.01) C07K 16/00 (2006.01) C12Q 1/00 (2006.01) G01N 33/53 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **NONINVASIVE METHOD TO QUANTIFY KIDNEY FUNCTION AND FUNCTIONAL DECLINE**
[54] **METHODE NON INVASIVE POUR QUANTIFIER LA FONCTION ET LE DECLIN FONCTIONNEL RENAUX**
[72] SARWAL, MINNIE M., US
[72] YANG, JOSHUA Y., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2022-02-25
[86] 2020-09-04 (PCT/US2020/049387)
[87] (WO2021/046339)
[30] US (62/896,296) 2019-09-05

[21] **3,152,796**
[13] A1

[51] **Int.Cl. A61K 39/12 (2006.01) A61K 35/768 (2015.01) A61K 38/19 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS FOR INDUCING AN IMMUNE RESPONSE AGAINST NEOANTIGENS**
[54] **PROCEDES POUR INDUIRE UNE REPOSE IMMUNITAIRE CONTRE DES NEO-ANTIGENES**
[72] STOJDL, DAVID, CA
[72] LYNN, GEOFFREY MARTIN, US
[72] ISHIZUKA, ANDREW SCOTT, US
[71] TURNSTONE BIOLOGICS CORP., US
[85] 2022-02-25
[86] 2020-08-26 (PCT/US2020/047962)
[87] (WO2021/041518)
[30] US (62/892,534) 2019-08-27

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[21] **3,152,797**
[13] A1

[51] **Int.Cl. G06Q 40/00 (2012.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR SUBMITTING AND/OR PROCESSING INSURANCE CLAIMS FOR DAMAGED MOTOR VEHICLE GLASS**

[54] **PROCEDES ET SYSTEMES DE SOUMISSION ET/OU DE TRAITEMENT DE DECLARATIONS D'ASSURANCE POUR VITRE DE VEHICULE A MOTEUR ENDOMMAGEE**

[72] LARSON, JIM, US
[72] ZABASAJA, EDWARD, US
[72] MULLEN, CRAIG, US
[72] NELSON, DOUGLAS J., US
[71] NEURAL CLAIM SYSTEM, INC., US
[85] 2022-02-25
[86] 2020-09-09 (PCT/US2020/049978)
[87] (WO2021/050573)
[30] US (62/897,746) 2019-09-09

[21] **3,152,798**
[13] A1

[51] **Int.Cl. B65D 25/50 (2006.01) B65D 47/06 (2006.01)**
[25] EN
[54] **REVERSIBLE SPOUT RETAINING CAP FOR A CONTAINER WITH AIR PASSAGEWAY TO PREVENT AIR-LOCK IN SPOUT DURING STORAGE IN THE CONTAINER**

[54] **BOUCHON DE RETENUE DE BEC VERSEUR REVERSIBLE POUR RECIPIENT A PASSAGE D'AIR POUR EMPECHER UN PIEGEAGE D'AIR DANS LE BEC VERSEUR PENDANT LE STOCKAGE DANS LE RECIPIENT**

[72] MCKAY, IAN BOYD, CA
[71] MCKAY, IAN BOYD, CA
[85] 2022-02-28
[86] 2020-08-21 (PCT/CA2020/051138)
[87] (WO2021/035337)
[30] US (62/893,538) 2019-08-29

[21] **3,152,800**
[13] A1

[51] **Int.Cl. G07F 17/32 (2006.01) G06Q 50/34 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING PERSONALIZED WAGER OPPORTUNITIES BASED ON A FANTASY SPORTS CONTEST**

[54] **SYSTEMES ET PROCEDES POUR GENERER DES OPPORTUNITES DE PARI PERSONNALISEES SUR LA BASE D'UNE COMPETITION SPORTIVE VIRTUELLE**

[72] WARREN, RYAN C., US
[71] WARREN, RYAN C., US
[85] 2022-02-25
[86] 2020-08-26 (PCT/US2020/047868)
[87] (WO2021/041457)
[30] US (16/550,838) 2019-08-26

[21] **3,152,801**
[13] A1

[51] **Int.Cl. G01V 3/26 (2006.01)**
[25] EN
[54] **METHOD FOR REMOVING THE EFFECT OF NEAR SURFACE GALVANIC DISTORTION IN SURFACE TO BOREHOLE EM MEASUREMENTS**

[54] **PROCEDE D'ELIMINATION DE L'EFFET DE DISTORSION GALVANIQUE PROCHE DE LA SURFACE DE MESURES EM SURFACE-TROU DE FORAGE**

[72] MCNEICE, GARY WAYNE, SA
[72] COLOMBO, DANIELE, SA
[72] CUEVAS, NESTOR H., IT
[72] PEZZOLI, MAURO, IT
[71] SAUDI ARABIAN OIL COMPANY, SA
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2022-02-25
[86] 2020-08-25 (PCT/US2020/047721)
[87] (WO2021/041364)
[30] US (16/550,955) 2019-08-26

[21] **3,152,802**
[13] A1

[51] **Int.Cl. B05C 11/10 (2006.01) A61B 1/00 (2006.01) A61J 1/00 (2006.01) A61M 25/00 (2006.01) B05C 5/02 (2006.01) B05C 17/005 (2006.01) B05C 17/10 (2006.01)**
[25] EN
[54] **MEDICAL LUBRICANT APPLICATOR**

[54] **APPLICATEUR DE LUBRIFIANT MEDICAL**

[72] GLASBEY, TREVOR, AU
[72] WHITELEY, GREGORY, AU
[71] WHITELEY CORPORATION PTY LTD, AU
[85] 2022-02-28
[86] 2020-08-21 (PCT/AU2020/050872)
[87] (WO2021/046591)
[30] AU (2019903370) 2019-09-11

[21] **3,152,803**
[13] A1

[51] **Int.Cl. C12N 15/53 (2006.01) C12Q 1/6897 (2018.01) C12N 1/19 (2006.01) C12N 9/02 (2006.01) C12N 15/52 (2006.01) C12N 15/63 (2006.01) C12P 7/22 (2006.01) C12P 7/42 (2006.01) C12P 17/06 (2006.01) C12Q 1/00 (2006.01)**
[25] EN
[54] **OPTIMIZED TETRAHYDROCANNABINOLIC ACID (THCA) SYNTHASE POLYPEPTIDES**

[54] **POLYPEPTIDES OPTIMISES DE L'ACIDE TETRAHYDROCANNABIDIOLIQU E (THCA) SYNTHASE**

[72] HORWITZ, ANDREW, US
[72] WONG, JEFF, US
[72] PLATT, DARREN, US
[72] UBERSAX, JEFF, US
[71] DEMETRIX, INC., US
[85] 2022-02-25
[86] 2020-09-17 (PCT/US2020/051261)
[87] (WO2021/055597)
[30] US (62/902,300) 2019-09-18

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[21] **3,152,805**
[13] A1

[51] **Int.Cl. A61K 31/506 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **VS-6063 IN COMBINATION WITH CH5126766 FOR THE TREATMENT OF CANCER**
[54] **VS-6063 EN COMBINAISON AVEC CH5126766 POUR LE TRAITEMENT DU CANCER**
[72] BANERJI, UDAI, GB
[71] THE INSTITUTE OF CANCER RESEARCH: ROYAL CANCER HOSPITAL, GB
[85] 2022-02-28
[86] 2020-03-12 (PCT/EP2020/056642)
[87] (WO2021/047798)
[30] EP (PCT/EP2019/074565) 2019-09-13

[21] **3,152,806**
[13] A1

[51] **Int.Cl. A61K 31/05 (2006.01) A61K 31/08 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR THE TREATMENT OR PREVENTION OF TRAUMATIC BRAIN INJURY**
[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT OU LA PREVENTION D'UN TRAUMATISME CRANIEN**
[72] AGARWAL, SUDHANSHU, AU
[72] LATHAM, JOEL BRADLEY, AU
[72] BLEACKLEY, MARK ROBERT, AU
[71] INCANNEX HEALTHCARE LIMITED, AU
[85] 2022-02-28
[86] 2020-10-02 (PCT/AU2020/051056)
[87] (WO2021/062481)
[30] AU (2019903734) 2019-10-04

[21] **3,152,807**
[13] A1

[51] **Int.Cl. A61K 31/555 (2006.01)**
[25] EN
[54] **CUPTSM FOR THE TREATMENT OF NEURODEGENERATIVE DISORDERS**
[54] **CUPTSM POUR LE TRAITEMENT DE TROUBLES NEURODEGENERATIFS**
[72] PERRIN, STEVEN, US
[72] VIEIRA, FERNANDO G., US
[72] GILL, ALAN, US
[72] HATZIPETROS, THEO, US
[72] DENTON, KYLE, US
[72] LUKASHEV, MATVEY, US
[71] ALS THERAPY DEVELOPMENT INSTITUTE, US
[85] 2022-02-25
[86] 2020-07-24 (PCT/US2020/043479)
[87] (WO2021/016554)
[30] US (62/878,581) 2019-07-25

[21] **3,152,808**
[13] A1

[51] **Int.Cl. B23Q 1/66 (2006.01) B23Q 7/14 (2006.01) B21D 43/14 (2006.01)**
[25] EN
[54] **DEVICE FOR PIVOTING, TURNING AND EXCHANGING WORKPIECE PALLETS, AND HORIZONTAL MACHINING CENTER**
[54] **DISPOSITIF DE PIVOTEMENT, DE RETOURNEMENT ET D'ECHANGE DE PALETTES DE PIECES, ET CENTRE D'USINAGE HORIZONTAL**
[72] ZELL, WERNER, DE
[71] BAVIUS TECHNOLOGIE GMBH, DE
[85] 2022-02-28
[86] 2020-08-10 (PCT/EP2020/072337)
[87] (WO2021/047836)
[30] DE (10 2019 213 870.5) 2019-09-11

[21] **3,152,809**
[13] A1

[51] **Int.Cl. G16H 30/20 (2018.01) G06T 19/00 (2011.01) G06Q 10/10 (2012.01) A61B 34/10 (2016.01)**
[25] EN
[54] **METHOD FOR ANALYSING MEDICAL IMAGE DATA IN A VIRTUAL MULTI-USER COLLABORATION, A COMPUTER PROGRAM, A USER INTERFACE AND A SYSTEM**
[54] **PROCEDE D'ANALYSE DE DONNEES D'IMAGES MEDICALES DANS UNE COLLABORATION VIRTUELLE MULTI-UTILISATEUR, PROGRAMME INFORMATIQUE, INTERFACE UTILISATEUR ET SYSTEME**
[72] SCHRECKENBERG, MARCUS, NL
[72] HITSCHRICH, NIKLAS, NL
[72] SCHUMMERS, GEORG, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2022-02-28
[86] 2020-08-28 (PCT/EP2020/074132)
[87] (WO2021/043684)
[30] EP (19195018.7) 2019-09-03

[21] **3,152,810**
[13] A1

[25] EN
[54] **CONNECTING WEB PUBLISHER INVENTORY TO PROGRAMMATIC EXCHANGES WITHOUT THIRD-PARTY COOKIES**
[54] **CONNEXION DE STOCK D'EDITEUR WEB A DES ECHANGES PROGRAMMATIQUES SANS COOKIES TIERS**
[72] SONAWALLA, AZIM, US
[72] MEYERS, IAN, US
[72] DAY, ANDREW K., US
[71] LIVERAMP, INC., US
[85] 2022-02-25
[86] 2020-06-09 (PCT/US2020/036836)
[87] (WO2021/040833)
[30] US (62/894,349) 2019-08-30

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[21] **3,152,812**
[13] A1

[51] **Int.Cl. G06K 9/00 (2022.01)**
[25] EN
[54] **FACIAL RECOGNITION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE RECONNAISSANCE FACIALE**
[72] HAN, YU, CN
[72] HANG, XIN, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-02-28
[86] 2020-06-19 (PCT/CN2020/096992)
[87] (WO2021/036436)
[30] CN (201910793283.2) 2019-08-26

[21] **3,152,813**
[13] A1

[51] **Int.Cl. E21B 21/06 (2006.01) B01D 21/00 (2006.01) E21B 43/34 (2006.01) E21B 43/40 (2006.01) C09K 8/00 (2006.01)**
[25] EN
[54] **CAVITATION OF POLYMER-CONTAINING FLUIDS FOR USE IN SUBTERRANEAN FORMATIONS**
[54] **CAVITATION DE FLUIDES CONTENANT UN POLYMERE POUR UNE UTILISATION DANS DES FORMATIONS SOUTERRAINES**
[72] MAY, PRESTON ANDREW, US
[72] SHUMWAY, WILLIAM WALTER, US
[72] JAMISON, DALE, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-02-25
[86] 2019-12-05 (PCT/US2019/064675)
[87] (WO2021/112853)
[30] US (16/703,804) 2019-12-04

[21] **3,152,816**
[13] A1

[51] **Int.Cl. B63B 21/26 (2006.01) E02D 5/54 (2006.01) E02D 27/52 (2006.01)**
[25] EN
[54] **WEAK SOIL ANCHOR DEVICE TO ANCHOR ONE OR SEVERAL STRUCTURES AND METHOD TO ARRANGE AN ANCHOR IN WEAK SOIL**
[54] **DISPOSITIF D'ANCRAGE DE SOL FAIBLE SERVANT A ANCRER AU MOINS UNE STRUCTURE ET PROCEDE D'AGENCEMENT D'ANCRAGE DANS UN SOL FAIBLE**
[72] LANDBO, TROND, NO
[72] HERMSTAD, JON, NO
[71] DR. TECHN. OLAV OLSEN AS, NO
[85] 2022-02-25
[86] 2020-08-28 (PCT/NO2020/050220)
[87] (WO2021/045626)
[30] NO (20191069) 2019-09-05

[21] **3,152,817**
[13] A1

[51] **Int.Cl. E02D 27/52 (2006.01) B63B 21/27 (2006.01) E21B 33/035 (2006.01) E21B 41/10 (2006.01)**
[25] EN
[54] **SUBSEA FOUNDATION AND METHOD OF INSTALLING**
[54] **FONDATION SOUS-MARINE ET PROCEDE D'INSTALLATION**
[72] ELLINGSEN, KJELL EINAR, NO
[72] STANGELAND, JONE, NO
[71] EQUINOR ENERGY AS, NO
[85] 2022-02-25
[86] 2020-08-27 (PCT/NO2020/050217)
[87] (WO2021/040533)
[30] GB (1912265.4) 2019-08-27

[21] **3,152,818**
[13] A1

[51] **Int.Cl. A61K 31/4704 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **REBAMIPIDE FOR USE IN PROPHYLAXIS AND TREATMENT OF CANCER**
[54] **REBAMIPIDE DESTINE A ETRE UTILISE DANS LA PROPHYLAXIE ET LE TRAITEMENT DU CANCER**
[72] DANEK, IVAN, CZ
[71] SQUARE POWER LTD, GB
[85] 2022-02-28
[86] 2020-09-02 (PCT/EP2020/074494)
[87] (WO2021/043840)
[30] EP (19020505.4) 2019-09-03

[21] **3,152,819**
[13] A1

[51] **Int.Cl. C12P 7/56 (2006.01) C12N 1/15 (2006.01) C12N 9/00 (2006.01) C12N 9/04 (2006.01) C12N 9/40 (2006.01) C12N 15/52 (2006.01) C12N 15/53 (2006.01) C12N 15/56 (2006.01) C12N 15/80 (2006.01)**
[25] EN
[54] **A GENETICALLY MODIFIED FUNGUS AND METHODS AND USES RELATED THERETO**
[54] **CHAMPIGNON GENETIQUEMENT MODIFIE ET PROCEDES ET UTILISATIONS ASSOCIES**
[72] ELLILAE, SIMO, FI
[72] ILMEN, MARJA, FI
[72] VEHKOMAEMI, MAIJA-LEENA, FI
[71] FF-FUTURE OY, FI
[85] 2022-02-25
[86] 2020-08-28 (PCT/FI2020/050557)
[87] (WO2021/038135)
[30] FI (20195716) 2019-08-30

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[21] **3,152,823**
[13] A1

[51] **Int.Cl. E04F 15/02 (2006.01) E04F 13/08 (2006.01) E04F 15/18 (2006.01)**
[25] EN
[54] **BUILDING PANEL**
[54] **PANNEAU DE CONSTRUCTION**
[72] YLIKANGAS, ROGER, SE
[72] NILSSON, ANDERS, SE
[72] QUIST, KARL, SE
[71] VALINGE INNOVATION AB, SE
[85] 2022-02-28
[86] 2020-09-23 (PCT/EP2020/076573)
[87] (WO2021/058568)
[30] EP (19199234.6) 2019-09-24
[30] EP (PCT/EP2020/050442) 2020-01-09

[21] **3,152,824**
[13] A1

[51] **Int.Cl. H01M 8/04 (2016.01)**
[25] EN
[54] **FUEL CELL POWER MODULE AND AIR HANDLING SYSTEM TO ENABLE ROBUST EXHAUST ENERGY EXTRACTION FOR HIGH ALTITUDE OPERATIONS**
[54] **MODULE DE PUISSANCE DE PILE A COMBUSTIBLE ET SYSTEME DE TRAITEMENT D'AIR POUR PERMETTRE UNE EXTRACTION D'ENERGIE EMISE ROBUSTE POUR DES FONCTIONNEMENTS EN HAUTE ALTITUDE**
[72] ANCIMER, RICHARD J., US
[72] RANIERI, SALVATORE, CA
[72] JOOS, NATHANIEL IAN, CA
[71] CUMMINS INC., US
[71] HYDROGENICS CORPORATION, CA
[85] 2022-02-25
[86] 2020-11-04 (PCT/US2020/058895)
[87] (WO2021/092021)
[30] US (62/930,859) 2019-11-05
[30] US (63/069,463) 2020-08-24

[21] **3,152,826**
[13] A1

[51] **Int.Cl. A61M 1/06 (2006.01)**
[25] EN
[54] **ELECTRIC BREAST PUMP**
[54] **POMPE TIRE-LAIT ELECTRIQUE**
[72] HESEN, ROBERTUS GERARDUS JOHANNES ANTONIUS, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2022-02-28
[86] 2020-08-31 (PCT/EP2020/074198)
[87] (WO2021/043710)
[30] EP (19195099.7) 2019-09-03

[21] **3,152,829**
[13] A1

[51] **Int.Cl. G06F 16/25 (2019.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PROCESSING BUSINESS DATA BASED ON FLINK ENGINE**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE DONNEES DE SERVICE REPOSANT SUR UN MOTEUR FLINK**
[72] WANG, JUN, CN
[72] SUN, QIAN, CN
[72] ZHANG, YI, CN
[72] WANG, GUANGBANG, CN
[72] CHEN, HUI, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-02-28
[86] 2020-06-24 (PCT/CN2020/097832)
[87] (WO2021/036447)
[30] CN (201910789458.2) 2019-08-26

[21] **3,152,831**
[13] A1

[51] **Int.Cl. H04N 19/117 (2014.01) H04N 19/132 (2014.01) H04N 19/137 (2014.01) H04N 19/186 (2014.01) H04N 19/70 (2014.01) H04N 19/82 (2014.01) H04N 19/96 (2014.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CODING IMAGE**
[54] **APPAREIL ET PROCEDE DE CODAGE D'IMAGES**
[72] CHOI, JANGWON, KR
[72] NAM, JUNGHAK, KR
[71] LG ELECTRONICS INC., KR
[85] 2022-02-25
[86] 2020-08-31 (PCT/KR2020/011600)
[87] (WO2021/040483)
[30] US (62/893,757) 2019-08-29

[21] **3,152,832**
[13] A1

[51] **Int.Cl. A24F 40/42 (2020.01) A24F 40/50 (2020.01) A24F 40/10 (2020.01)**
[25] EN
[54] **AEROSOL PROVISION SYSTEMS**
[54] **SYSTEMES DE FOURNITURE D'AEROSOL**
[72] BOHAM, SCOTT GEORGE, GB
[72] HUGHES, STEVE, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-02-28
[86] 2020-08-13 (PCT/GB2020/051932)
[87] (WO2021/038192)
[30] GB (1912477.5) 2019-08-30

[21] **3,152,833**
[13] A1

[51] **Int.Cl. G06F 40/186 (2020.01)**
[25] EN
[54] **WEBPAGE EDITING METHOD AND DEVICE**
[54] **PROCEDE ET APPAREIL D'EDITION DE PAGE WEB**
[72] SUN, HAITAO, CN
[72] SHI, YAQIU, CN
[72] DING, YIMING, CN
[72] YANG, CHENGYING, CN
[72] SUN, QIAN, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-02-28
[86] 2020-06-24 (PCT/CN2020/097833)
[87] (WO2021/036448)
[30] CN (201910790524.8) 2019-08-26

[21] **3,152,834**
[13] A1

[51] **Int.Cl. H04N 19/117 (2014.01) H04N 19/132 (2014.01) H04N 19/186 (2014.01) H04N 19/82 (2014.01) H04N 19/96 (2014.01)**
[25] EN
[54] **CROSS-COMPONENT ADAPTIVE LOOP FILTERING-BASED IMAGE CODING APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE CODAGE D'IMAGE A BASE DE FILTRAGE DE BOUCLE ADAPTATIF A COMPOSANTE TRANSVERSALE**
[72] CHOI, JANGWON, KR
[72] NAM, JUNGHAK, KR
[71] LG ELECTRONICS INC., KR
[85] 2022-02-25
[86] 2020-08-31 (PCT/KR2020/011601)
[87] (WO2021/040484)
[30] US (62/893,760) 2019-08-29

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<p style="text-align: right;">[21] 3,152,835 [13] A1</p> <p>[51] Int.Cl. G06F 16/28 (2019.01) G06F 16/21 (2019.01)</p> <p>[25] EN</p> <p>[54] DIMENSION DATA PROCESSING METHOD AND APPARATUS, COMPUTER DEVICE, AND STORAGE MEDIUM</p> <p>[54] PROCEDE ET APPAREIL DE TRAITEMENT DE DONNEES DE DIMENSION, DISPOSITIF INFORMATIQUE ET SUPPORT DE STOCKAGE</p> <p>[72] WANG, FUPING, CN [72] ZHAI, XIAOQING, CN [72] YANG, SHENG, CN [72] CHEN, NAISHUAL, CN [72] SUN, QIAN, CN [71] 10353744 CANADA LTD., CA [85] 2022-02-28 [86] 2020-06-24 (PCT/CN2020/097835) [87] (WO2021/036449) [30] CN (201910798079.X) 2019-08-27</p>	<p style="text-align: right;">[21] 3,152,837 [13] A1</p> <p>[51] Int.Cl. G06F 21/55 (2013.01)</p> <p>[25] EN</p> <p>[54] SIMULATOR DETECTION METHOD AND SYSTEM</p> <p>[54] PROCEDE ET SYSTEME DE DETECTION DE SIMULATEUR</p> <p>[72] ZHANG, CHENG, CN [72] CHEN, HAITAO, CN [72] YE, GUOHUA, CN [72] LIU, JIAJIN, CN [72] WANG, XIAOPENG, CN [71] 10353744 CANADA LTD., CA [85] 2022-02-28 [86] 2020-06-24 (PCT/CN2020/097836) [87] (WO2021/036450) [30] CN (201910797103.8) 2019-08-27</p>	<p style="text-align: right;">[21] 3,152,840 [13] A1</p> <p>[51] Int.Cl. A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)</p> <p>[25] EN</p> <p>[54] USE OF AN MDM2 INHIBITOR FOR THE TREATMENT OF MYELOFIBROSIS</p> <p>[54] UTILISATION D'UN INHIBITEUR DE MDM2 POUR LE TRAITEMENT DE LA MYELOFIBROSE</p> <p>[72] ELIASSON, ASA, CH [72] GUERREIRO, NELSON, CH [72] MEILLE, CHRISTOPHE, CH [72] MENSSSEN, HANS, CH [72] WROCLAWSKA, MONIKA, CH [72] VANASSE, K GARY J, US [71] NOVARTIS AG, CH [85] 2022-02-28 [86] 2020-09-14 (PCT/IB2020/058515) [87] (WO2021/053489) [30] US (62/900,931) 2019-09-16</p>
<p style="text-align: right;">[21] 3,152,836 [13] A1</p> <p>[51] Int.Cl. A61K 31/17 (2006.01) A61K 31/397 (2006.01) A61K 31/40 (2006.01) A61K 31/415 (2006.01) A61K 31/44 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07C 275/34 (2006.01) C07D 205/04 (2006.01) C07D 207/08 (2006.01) C07D 207/12 (2006.01) C07D 213/75 (2006.01) C07D 231/40 (2006.01) C07D 295/215 (2006.01) C07D 401/12 (2006.01)</p> <p>[25] EN</p> <p>[54] SUBSTITUTED UREA DIHYDROOROTATE DEHYDROGENASE INHIBITORS</p> <p>[54] INHIBITEURS DE LA DIHYDROOROTATE DESHYDROGENASE A BASE D'UREE SUBSTITUEE</p> <p>[72] KUDUK, SCOTT, US [72] DERATT, LINDSEY, US [71] JANSSEN BIOTECH, INC., US [85] 2022-02-25 [86] 2020-08-27 (PCT/IB2020/058015) [87] (WO2021/038490) [30] US (62/893,204) 2019-08-29</p>	<p style="text-align: right;">[21] 3,152,838 [13] A1</p> <p>[51] Int.Cl. A61K 39/395 (2006.01) A61K 9/00 (2006.01) A61K 47/10 (2017.01) A61K 47/18 (2017.01) A61K 47/24 (2006.01)</p> <p>[25] EN</p> <p>[54] NOVEL FORMULATION OF HIGHLY CONCENTRATED PHARMACOLOGICALLY ACTIVE ANTIBODY</p> <p>[54] NOUVELLE FORMULATION D'ANTICORPS PHARMACOLOGIQUEMENT ACTIF HAUTEMENT CONCENTRE</p> <p>[72] WEAVER, BRUCE, US [72] NARAYAN, OM, IN [72] SHAH, SUMIT MAHESHKUMAR, IN [71] KASHIV BIOSCIENCES, LLC, US [85] 2022-02-28 [86] 2020-08-29 (PCT/IB2020/058080) [87] (WO2021/038532) [30] IN (201921035059) 2019-08-30</p>	<p style="text-align: right;">[21] 3,152,842 [13] A1</p> <p>[51] Int.Cl. G06F 9/50 (2006.01)</p> <p>[25] EN</p> <p>[54] REAL-TIME COMMUNICATION METHOD AND APPARATUS FOR DISTRIBUTED SYSTEM, AND DISTRIBUTED SYSTEM</p> <p>[54] PROCEDE ET APPAREIL DE COMMUNICATION EN TEMPS REEL POUR SYSTEME DISTRIBUE, ET SYSTEME DISTRIBUE</p> <p>[72] DONG, BANGFA, CN [71] 10353744 CANADA LTD., CA [85] 2022-02-28 [86] 2020-06-24 (PCT/CN2020/097838) [87] (WO2021/036451) [30] CN (201910796708.5) 2019-08-27</p>

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[21] **3,152,844**
[13] A1

[51] **Int.Cl. G06F 16/2455 (2019.01)**
[25] EN
[54] **REAL-TIME DATA
DEDUPLICATION COUNTING
METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE
COMPTAGE DE DEDUPLICATION
DE DONNEES EN TEMPS REEL**
[72] WANG, KAI, CN
[72] ZHANG, PANPAN, CN
[72] HAN, ZHENXU, CN
[72] LI, CHENG, CN
[72] SUN, QIAN, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-02-28
[86] 2020-06-24 (PCT/CN2020/097839)
[87] (WO2021/036452)
[30] CN (201910795939.4) 2019-08-27

[21] **3,152,848**
[13] A1

[51] **Int.Cl. G06Q 30/06 (2012.01)**
[25] EN
[54] **USER IDENTIFYING METHOD
AND DEVICE, AND COMPUTER
EQUIPMENT**
[54] **PROCEDE ET DISPOSITIF
D'IDENTIFICATION
D'UTILISATEUR, ET DISPOSITIF
INFORMATIQUE**
[72] FANG, SHUZHONG, CN
[72] YE, GUOHUA, CN
[72] LIU, JIAJIN, CN
[72] XIAO, XIAO, CN
[72] SHAO, YAN, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-02-28
[86] 2020-06-24 (PCT/CN2020/097853)
[87] (WO2021/036453)
[30] CN (201910801967.2) 2019-08-28

[21] **3,152,854**
[13] A1

[51] **Int.Cl. G06K 9/62 (2022.01) G06Q
30/06 (2012.01)**
[25] EN
[54] **HUMAN-COMPUTER SIMILAR
TRAJECTORY DETECTION
METHOD AND APPARATUS
BASED ON SCREEN
SEGMENTATION**
[54] **PROCEDE ET APPAREIL DE
DETECTION DE TRAJECTOIRES
SIMILAIRES HOMME-MACHINE
BASES SUR LA SEGMENTATION
D'ECRAN**
[72] PEI, YINYIN, CN
[72] YE, GUOHUA, CN
[72] FANG, SHUZHONG, CN
[72] WEN, YEWEL, CN
[72] HE, HONGXUE, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-02-28
[86] 2020-06-24 (PCT/CN2020/097854)
[87] (WO2021/036454)
[30] CN (201910811578.8) 2019-08-29

[21] **3,152,857**
[13] A1

[51] **Int.Cl. E04H 17/26 (2006.01) B21F
9/00 (2006.01) B25B 25/00 (2006.01)
F16G 11/12 (2006.01)**
[25] EN
[54] **A TENSION BOARD FOR
STRAINING WIRE NETTING**
[54] **PLANCHE DE TENSION
PERMETTANT DE TENDRE UN
GRILLAGE**
[72] LOWREY, IAN, AU
[71] WIREMAN PTY LIMITED, AU
[85] 2021-08-10
[86] 2020-03-03 (PCT/AU2020/050196)
[87] (WO2020/176936)
[30] AU (2019900745) 2019-03-07
[30] AU (2019902537) 2019-07-18

[21] **3,152,858**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **LINK-BASED RISK USER
IDENTIFICATION METHOD AND
DEVICE**
[54] **PROCEDE ET DISPOSITIF
D'IDENTIFICATION
D'UTILISATEUR A RISQUE SUR
LA BASE DE LIENS**
[72] WANG, CHUANDUI, CN
[72] YE, GUOHUA, CN
[72] LIU, JIAJIN, CN
[72] YAO, LIFEI, CN
[72] WU, LIANG, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-02-28
[86] 2020-06-24 (PCT/CN2020/097855)
[87] (WO2021/036455)
[30] CN (201910808683.6) 2019-08-29

[21] **3,152,860**
[13] A1

[51] **Int.Cl. C07K 16/38 (2006.01) A61K
39/395 (2006.01) A61P 7/04 (2006.01)**
[25] EN
[54] **ANTI-TFPI MONOCLONAL
ANTIBODIES**
[54] **ANTICORPS MONOCLONAL
CIBLANT TFPI**
[72] XU, TING, CN
[72] WANG, XIAOXIAO, CN
[72] FAN, YING, CN
[72] DONG, YANRONG, CN
[72] CHEN, LIPING, CN
[72] JI, JIANYUN, CN
[71] SUZHOU ALPHAMAB CO., LTD.,
CN
[85] 2022-02-28
[86] 2020-08-28 (PCT/CN2020/112057)
[87] (WO2021/037197)
[30] CN (201910805428.6) 2019-08-29

Demandes PCT entrant en phase nationale

[21] **3,152,861**
[13] A1

[51] **Int.Cl. C12N 15/11 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR EDITING A MUTATION TO PERMIT TRANSCRIPTION OR EXPRESSION**

[54] **COMPOSITIONS ET PROCEDES PERMETTANT L'EDITION D'UNE MUTATION AFIN DE PERMETTRE UNE TRANSCRIPTION OU UNE EXPRESSION**

[72] GEHRKE, JASON MICHAEL, US
[72] BARRERA, LUIS, US
[72] MESSANA, ANGELICA, US
[71] BEAM THERAPEUTICS INC., US
[85] 2022-02-17
[86] 2020-08-28 (PCT/US2020/048510)
[87] (WO2021/041885)
[30] US (62/893,638) 2019-08-29

[21] **3,152,889**
[13] A1

[51] **Int.Cl. E21B 43/12 (2006.01) E21B 47/008 (2012.01) E21B 21/08 (2006.01) E21B 34/02 (2006.01) E21B 41/00 (2006.01) E21B 47/06 (2012.01)**

[25] EN

[54] **AUTOMATED METHOD FOR GAS LIFT OPERATIONS**

[54] **PROCEDE AUTOMATISE POUR DES OPERATIONS D'EXTRACTION AU GAZ**

[72] TALTON, BROOKS MIMS, III, US
[72] BAKER, AARON, US
[72] PERRY, ERIC, US
[72] MUNDING, PAUL, US
[72] HUDSON, JOHN D., US
[71] FLOGISTIX, LP, US
[85] 2022-02-28
[86] 2020-08-19 (PCT/US2020/047014)
[87] (WO2020/252494)
[30] US (62/893,976) 2019-08-30

[21] **3,152,936**
[13] A1

[51] **Int.Cl. C12N 5/10 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C12N 15/13 (2006.01) C12N 15/62 (2006.01)**

[25] EN

[54] **ENGINEERED T CELLS AND METHODS OF PRODUCING THEREOF**

[54] **LYMPHOCYTES T MODIFIES ET LEURS PROCEDES DE PRODUCTION**

[72] FAN, XIAOHU, CA
[72] ZHAO, YUNCHENG, CN
[72] WANG, BING, CN
[72] YU, DAWEI, CN
[72] HUANG, XIN, CN
[72] WANG, PINGYAN, CN
[72] ZHUANG, QIUCHUAN, CN
[71] NANJING LEGEND BIOTECH CO., LTD., CN
[85] 2022-02-28
[86] 2020-08-28 (PCT/CN2020/112182)
[87] (WO2021/037222)
[30] CN (PCT/CN2019/103041) 2019-08-28
[30] CN (PCT/CN2019/125681) 2019-12-16

[21] **3,152,868**
[13] A1

[51] **Int.Cl. A61K 31/616 (2006.01) A61K 31/495 (2006.01) A61K 45/00 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01) A61P 9/10 (2006.01) A61P 27/00 (2006.01)**

[25] EN

[54] **COMPOSITION USED FOR COMBATING METABOLIC DISEASES AND USES OF COMPOSITION**

[54] **COMPOSITION UTILISEE POUR LUTTER CONTRE DES MALADIES METABOLIQUES ET UTILISATIONS DE LA COMPOSITION**

[72] NG, SHYH CHANG, CN
[72] MA, SHI LIN, CN
[71] INSTITUTE OF ZOOLOGY, CHINESE ACADEMY OF SCIENCES, CN
[85] 2022-02-28
[86] 2020-08-28 (PCT/CN2020/112143)
[87] (WO2021/037212)
[30] CN (PCT/CN2019/103677) 2019-08-30

[21] **3,152,935**
[13] A1

[51] **Int.Cl. A23L 5/00 (2016.01) A23L 7/109 (2016.01) A23L 11/00 (2021.01) A23L 29/206 (2016.01) A23L 33/17 (2016.01) A23L 33/21 (2016.01) A23P 30/20 (2016.01)**

[25] EN

[54] **SOLID PASTE COMPOSITION FOR COOKING AND METHOD FOR PRODUCING SAME**

[54] **COMPOSITION DE PATE SOLIDE POUR LA CUISSON ET SON PROCEDE DE PRODUCTION**

[72] SUZUKI, MAKOTO, JP
[72] ENDO, KIYOSHI, JP
[72] TANGE, YUSUKE, JP
[72] HIBI, NARUHIRO, JP
[72] NAKAYAMA, TAKUYA, JP
[72] OGASAWARA, YASUSHI, JP
[72] KAWAMURA, YUKIKO, JP
[72] IHARA, JUNICHIRO, JP
[71] MIZKAN HOLDINGS CO., LTD., JP
[85] 2022-02-25
[86] 2020-08-19 (PCT/JP2020/031309)
[87] (WO2021/039544)
[30] JP (2019-158330) 2019-08-30
[30] JP (PCT/JP2020/012135) 2020-03-18

[21] **3,152,937**
[13] A1

[51] **Int.Cl. A01D 41/14 (2006.01) A01D 41/127 (2006.01)**

[25] EN

[54] **HARVESTING HEADERS HAVING LEADING SENSORS, AGRICULTURAL MACHINES CARRYING SUCH HEADERS, AND RELATED METHODS**

[54] **TETES DE RECOLTE AYANT DES CAPTEURS AVANT, MACHINES AGRICOLES PORTANT DE TELLES TETES DE RECOLTE, ET PROCEDES ASSOCIES**

[72] RACCHELLA, FABIO, IT
[72] BASSO, PAOLO, IT
[71] AGCO INTERNATIONAL GMBH, CH
[85] 2022-02-28
[86] 2020-04-16 (PCT/EP2020/060767)
[87] (WO2021/047799)
[30] GB (1913215.8) 2019-09-13

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[21] **3,152,938**
[13] A1

[51] **Int.Cl. B29C 55/14 (2006.01) B29D 7/01 (2006.01)**
[25] EN
[54] **BIAXIALLY ORIENTED MDPE FILM**
[54] **FILM MDPE A ORIENTATION BIAXIALE**
[72] AUBEE, NORMAN, CA
[72] LIGHTBODY, OWEN, CA
[72] FEREDDOON, MARYAM, CA
[72] GILLON, BRONWYN, CA
[72] LAM, PATRICK, CA
[72] GOYAL, SHIVENDRA, CA
[71] NOVA CHEMICALS CORPORATION, CA
[85] 2022-02-28
[86] 2020-10-19 (PCT/IB2020/059816)
[87] (WO2021/079255)
[30] US (62/924,833) 2019-10-23
[30] US (63/045,383) 2020-06-29

[21] **3,152,939**
[13] A1

[51] **Int.Cl. A61K 31/4155 (2006.01) A61K 31/4439 (2006.01) A61K 31/497 (2006.01) A61K 31/501 (2006.01) A61K 31/506 (2006.01) A61K 45/00 (2006.01) A61P 13/12 (2006.01) C07D 401/14 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01)**
[25] EN
[54] **CHRONIC KIDNEY DISEASE TREATMENT OR PREVENTION METHOD**
[54] **PROCEDE DE TRAITEMENT OU DE PREVENTION DES INSUFFISANCES RENALES CHRONIQUES**
[72] SANO, RYUHEI, JP
[72] YAMANAKA, MASAO, JP
[72] OHTA, TAKESHI, JP
[71] JAPAN TOBACCO INC., JP
[85] 2022-02-28
[86] 2020-09-03 (PCT/JP2020/033466)
[87] (WO2021/045161)
[30] JP (2019-161527) 2019-09-04

[21] **3,152,940**
[13] A1

[51] **Int.Cl. A01C 1/06 (2006.01) A01H 4/00 (2006.01) G01N 23/223 (2006.01)**
[25] EN
[54] **TRACEABLE COMPOSITE FOR MARKING SEEDS AND PLANTS**
[54] **COMPOSITE TRACABLE POUR MARQUER DES GRAINES ET DES PLANTES**
[72] GROF, YAIR, IL
[72] TAL, NATALY, IL
[72] KAPLINSKY, MOR, IL
[72] DAFNI, RON, IL
[72] BAREKET, YIFAT, IL
[72] FIRSTENBERG, MICHAL, IL
[72] NAHUM, TEHILA, IL
[72] SADE, HAGIT, IL
[72] YORAN, NADAV, IL
[72] ALON, HAGGAL, IL
[71] SECURITY MATTERS LTD., IL
[85] 2022-02-28
[86] 2020-09-02 (PCT/IL2020/050956)
[87] (WO2021/044416)
[30] US (62/894,892) 2019-09-02

[21] **3,152,941**
[13] A1

[51] **Int.Cl. C11D 1/831 (2006.01) A61L 2/18 (2006.01) C11D 1/14 (2006.01) C11D 1/72 (2006.01) C11D 3/20 (2006.01) C11D 1/75 (2006.01)**
[25] EN
[54] **LIQUID ACID CLEANING AGENT COMPOSITIONS FOR HARD SURFACES**
[54] **COMPOSITION LIQUIDE D'AGENT NETTOYANT ACIDE POUR SURFACES DURES**
[72] NEVERMANN, JAN, DE
[72] ZERLING, WOLFGANG, DE
[71] MENNO-CHEMIE VERTRIEB GMBH, DE
[85] 2022-02-28
[86] 2020-09-02 (PCT/EP2020/074431)
[87] (WO2021/063619)
[30] EP (19200807.6) 2019-10-01

[21] **3,152,942**
[13] A1

[51] **Int.Cl. A61B 18/00 (2006.01) A61B 18/14 (2006.01) A61N 1/05 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **ELECTRODE DEVICE FOR WRAPPING VESSEL IN THE BODY AND METHOD THEREOF**
[54] **DISPOSITIF D'ELECTRODE DESTINE A ETRE ENROULE AUTOUR DE VAISSEAUX DANS UN CORPS, ET SON PROCEDE**
[72] JEONG, CHANG WOOK, KR
[72] PARK, SUNG MIN, KR
[72] BAIK, JIN HWAN, KR
[72] YIM, DONG HYUN, KR
[72] BACH, DU JIN, KR
[71] DEEPPURE INC., KR
[85] 2022-02-28
[86] 2020-08-27 (PCT/KR2020/011484)
[87] (WO2021/040431)
[30] KR (10-2019-0106495) 2019-08-29
[30] KR (10-2020-0108605) 2020-08-27

[21] **3,152,943**
[13] A1

[51] **Int.Cl. G06Q 30/06 (2012.01) G06Q 50/12 (2012.01)**
[25] EN
[54] **QOS-BASED MOBILE ORDER PROCESSING METHOD USING SHOP ARRIVAL IDENTIFICATION**
[54] **PROCEDE DE TRAITEMENT DE COMMANDE MOBILE BASE SUR LA QUALITE DE SERVICE METTANT EN ŒUVRE UNE IDENTIFICATION D'ARRIVEE AU MAGASIN**
[72] KIM, KYUNG HOON, KR
[72] CHOI, IN CHAN, KR
[72] YOON, JU NO, KR
[72] LEE, HYUN MIN, KR
[72] CHOI, JIN HEE, KR
[72] CHO, HANG WON, KR
[71] YAP COMPANY INC., KR
[85] 2022-02-28
[86] 2019-08-31 (PCT/KR2019/011229)
[87] (WO2020/050560)
[30] KR (10-2018-0107158) 2018-09-07

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[21] 3,152,944 [13] A1	[21] 3,152,946 [13] A1	[21] 3,152,948 [13] A1
<p>[51] Int.Cl. A61K 47/68 (2017.01) A61K 9/00 (2006.01) A61K 38/20 (2006.01) A61K 38/57 (2006.01) A61K 45/06 (2006.01) A61P 1/00 (2006.01) A61P 1/12 (2006.01)</p> <p>[25] EN</p> <p>[54] IL-22 ORAL, INTRA-RECTAL, OR OTHER GUT-RELATED COMPOSITIONS AND METHODS OF USE THEREOF</p> <p>[54] COMPOSITIONS D'IL-22 ORALES, INTRARECTALES, OU AUTRES COMPOSITIONS ASSOCIEES A L'INTESTIN ET PROCEDES D'UTILISATION DE CELLES-CI</p> <p>[72] HSU, HAILING, US</p> <p>[71] AMGEN INC., US</p> <p>[85] 2022-02-28</p> <p>[86] 2020-09-02 (PCT/US2020/049073)</p> <p>[87] (WO2021/046133)</p> <p>[30] US (62/895,179) 2019-09-03</p>	<p>[51] Int.Cl. A61P 35/00 (2006.01) C07K 16/06 (2006.01) C07K 16/28 (2006.01)</p> <p>[25] EN</p> <p>[54] PURIFICATION METHOD FOR BISPECIFIC ANTIGEN-BINDING POLYPEPTIDES WITH ENHANCED PROTEIN L CAPTURE DYNAMIC BINDING CAPACITY</p> <p>[54] PROCEDE DE PURIFICATION DE POLYPEPTIDES DE LIAISON A UN ANTIGENE BISPECIFIQUE PRESENTANT UNE CAPACITE DE LIAISON DYNAMIQUE DE CAPTURE DE PROTEINE L AMELIOREE</p> <p>[72] SHARMA, ASHISH, US</p> <p>[72] THANGARAJ, BALAKUMAR, US</p> <p>[71] AMGEN INC., US</p> <p>[85] 2022-02-28</p> <p>[86] 2020-09-10 (PCT/US2020/050063)</p> <p>[87] (WO2021/050640)</p> <p>[30] US (62/898,495) 2019-09-10</p>	<p>[51] Int.Cl. E04B 1/62 (2006.01) E04B 1/68 (2006.01)</p> <p>[25] EN</p> <p>[54] LIQUID APPLIED ROOFING SYSTEMS AND METHODS FOR FORMING ROOFS</p> <p>[54] SYSTEMES DE COUVERTURE APPLIQUEE LIQUIDE ET PROCEDES DE FORMATION DE COUVERTURES</p> <p>[72] ZHENG, YAN, US</p> <p>[72] XIAO, YIXI, US</p> <p>[72] BOSS, DANIEL, E., US</p> <p>[72] CHICH, ADEM, US</p> <p>[71] BMIC LLC, US</p> <p>[85] 2022-02-28</p> <p>[86] 2020-09-29 (PCT/US2020/053328)</p> <p>[87] (WO2021/067305)</p> <p>[30] US (62/908,131) 2019-09-30</p> <p>[30] US (62/908,765) 2019-10-01</p> <p>[30] US (62/908,679) 2019-10-01</p>
<p style="text-align: center;">[21] 3,152,945 [13] A1</p> <p>[51] Int.Cl. A61H 3/00 (2006.01) A61B 5/11 (2006.01)</p> <p>[25] EN</p> <p>[54] KINOPED LOWER EXTREMITY PERFORMANCE IMPROVEMENT, INJURY PREVENTION, AND REHABILITATION SYSTEM</p> <p>[54] SYSTEME D'AMELIORATION DE LA PERFORMANCE DES MEMBRES INFERIEURS, DE PREVENTION DES BLESSURES ET DE READAPTATION KINOPED</p> <p>[72] FOUCAULT, ANDRE, CA</p> <p>[72] NICCUM, DAN, US</p> <p>[72] MORIN, PHILIPPE, CA</p> <p>[71] FOUCAULT, ANDRE, CA</p> <p>[85] 2022-02-28</p> <p>[86] 2020-09-04 (PCT/US2020/049583)</p> <p>[87] (WO2021/046482)</p> <p>[30] US (16/562,040) 2019-09-05</p>	<p style="text-align: center;">[21] 3,152,947 [13] A1</p> <p>[51] Int.Cl. C12Q 1/686 (2018.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) C12N 9/88 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPOSITIONS AND METHODS FOR THE DETECTION OF A CHROMOSOMAL TRANSLOCATION IN BRASSICA NAPUS</p> <p>[54] COMPOSITIONS ET PROCEDES POUR LA DETECTION D'UNE TRANSLOCATION CHROMOSOMIQUE DANS BRASSICA NAPUS</p> <p>[72] CHARNE, DAVID GEORGE, US</p> <p>[72] FENGLER, KEVIN A, US</p> <p>[72] JETTY, SIVA S AMMIRAJU, US</p> <p>[72] JOBGEN, SCOTT CHARLES, US</p> <p>[71] PIONEER HI-BRED INTERNATIONAL, INC., US</p> <p>[85] 2022-02-28</p> <p>[86] 2020-09-24 (PCT/US2020/052443)</p> <p>[87] (WO2021/061948)</p> <p>[30] US (62/906,352) 2019-09-26</p>	<p style="text-align: center;">[21] 3,152,949 [13] A1</p> <p>[51] Int.Cl. G06Q 10/06 (2012.01) G06Q 50/02 (2012.01) H04W 4/029 (2018.01) H04W 4/80 (2018.01) G06N 20/00 (2019.01) A01K 5/02 (2006.01) A01K 29/00 (2006.01)</p> <p>[25] EN</p> <p>[54] LIVESTOCK AND FEEDLOT DATA COLLECTION AND PROCESSING USING UHF-BAND INTERROGATION OF RADIO FREQUENCY IDENTIFICATION TAGS FOR FEEDLOT ARRIVAL AND RISK ASSESSMENT</p> <p>[54] COLLECTE ET TRAITEMENT DE DONNEES DE BETAIL ET DE PARC D'ENGRAISSEMENT A L'AIDE D'UNE INTERROGATION DE BANDE UHF D'ETIQUETTES D'IDENTIFICATION RADIOFREQUENCE D'ARRIVEE EN PARC D'ENGRAISSEMENT ET D'EVALUATION DE RISQUE</p> <p>[72] KUPER, DANE T., US</p> <p>[72] BALSLEY, DUSTIN C., US</p> <p>[72] GRAY, PAUL, US</p> <p>[72] SEXTEN, WILLIAM JUSTIN, US</p> <p>[71] PERFORMANCE LIVESTOCK ANALYTICS, INC., US</p> <p>[85] 2022-02-28</p> <p>[86] 2020-09-10 (PCT/US2020/050257)</p> <p>[87] (WO2021/050775)</p> <p>[30] US (16/569,503) 2019-09-12</p>

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[21] **3,152,950**
[13] A1

[51] **Int.Cl. A61K 31/4704 (2006.01) A61P 1/00 (2006.01) A61K 31/573 (2006.01)**

[25] EN

[54] **REBAMIPIDE FOR USE IN PREVENTION AND TREATMENT OF CROHN'S DISEASE**

[54] **REBAMIPIDE DESTINE A ETRE UTILISE DANS LA PREVENTION ET LE TRAITEMENT DE LA MALADIE DE CROHN**

[72] DANEK, IVAN, CZ

[71] SQUARE POWER LTD, GB

[85] 2022-02-28

[86] 2020-09-02 (PCT/EP2020/074501)

[87] (WO2021/043846)

[30] EP (19020504.7) 2019-09-03

[21] **3,152,951**
[13] A1

[51] **Int.Cl. D01D 5/22 (2006.01) D01F 8/14 (2006.01) D06N 7/00 (2006.01)**

[25] EN

[54] **CARPET MADE FROM SELF-BULKING PTT-CONTAINING BICOMPONENT FIBERS**

[54] **TAPIS FABRIQUE A PARTIR DE FIBRES A DEUX COMPOSANTS CONTENANT DU PTT DU TYPE AUTO-GONFLANT**

[72] MADELEINE, DENNIS GERARD, US

[71] DUPONT INDUSTRIAL BIOSCIENCES USA, LLC, US

[85] 2022-02-28

[86] 2020-12-08 (PCT/US2020/063758)

[87] (WO2021/118985)

[30] US (62/946,091) 2019-12-10

[21] **3,152,952**
[13] A1

[51] **Int.Cl. C12N 9/24 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 9/00 (2006.01) C12N 9/98 (2006.01) C12N 15/56 (2006.01) C12P 7/06 (2006.01) C12P 19/14 (2006.01)**

[25] EN

[54] **POLYPEPTIDES HAVING BETA-GLUCANASE ACTIVITY AND POLYNUCLEOTIDES ENCODING SAME**

[54] **POLYPEPTIDES DOTES D'UNE ACTIVITE BETA-GLUCANASE ET POLYNUCLEOTIDES CODANT POUR CES POLYPEPTIDES**

[72] LIU, JIYIN, US

[72] HUANG, HONG ZHI, CN

[72] XU, HUI, CN

[72] VLASENKO, ELENA, US

[72] MCBRAYER, BRETT, US

[72] LIU, YE, CN

[72] TANG, LAN, CN

[72] HUFFMAN, JAMES RON, US

[72] SPODSBERG, NIKOLAJ, DK

[71] NOVOZYMES A/S, DK

[85] 2022-02-28

[86] 2020-09-16 (PCT/US2020/050958)

[87] (WO2021/055395)

[30] CN (PCT/CN2019/105905) 2019-09-16

[30] CN (PCT/CN2019/124568) 2019-12-11

[30] CN (PCT/CN2019/124571) 2019-12-11

[30] CN (PCT/CN2020/071436) 2020-01-10

[30] CN (PCT/CN2020/107055) 2020-08-05

[21] **3,152,954**
[13] A1

[51] **Int.Cl. H04N 19/117 (2014.01) H04N 19/132 (2014.01) H04N 19/186 (2014.01) H04N 19/70 (2014.01) H04N 19/82 (2014.01)**

[25] EN

[54] **DEVICE AND METHOD FOR CODING VIDEO ON BASIS OF FILTERING**

[54] **DISPOSITIF ET PROCEDE POUR CODER UNE VIDEO SUR LA BASE D'UN FILTRAGE**

[72] CHOI, JANGWON, KR

[72] NAM, JUNGHAK, KR

[71] LG ELECTRONICS INC., KR

[85] 2022-02-25

[86] 2020-08-31 (PCT/KR2020/011591)

[87] (WO2021/040479)

[30] US (62/893,754) 2019-08-29

[21] **3,152,955**
[13] A1

[51] **Int.Cl. G01S 7/02 (2006.01) G01S 7/481 (2006.01) G01S 7/521 (2006.01)**

[25] EN

[54] **MAGNETIC ULTRASOUND TESTING SYSTEM**

[54] **SYSTEME D'ESSAI A ULTRASON MAGNETIQUE**

[72] STEWART, DAVID, CA

[71] SIMPLY AUT LTD., CA

[85] 2022-03-01

[86] 2021-04-16 (PCT/CA2021/050517)

[87] (WO2021/212213)

[30] US (63/013,998) 2020-04-22

[21] **3,152,956**
[13] A1

[51] **Int.Cl. F04D 29/42 (2006.01) F04D 15/00 (2006.01) F04D 29/46 (2006.01)**

[25] EN

[54] **ADAPTIVE VOLUTES FOR CENTRIFUGAL PUMPS**

[54] **VOLUTES ADAPTATIVES POUR POMPES CENTRIFUGES**

[72] JOHNSON, HILARY A., US

[72] SLOCUM, ALEXANDER H., US

[72] SIMON, KEVIN P., US

[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US

[85] 2022-02-28

[86] 2020-09-18 (PCT/US2020/051668)

[87] (WO2021/055879)

[30] US (62/902,027) 2019-09-18

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[21] **3,152,957**
[13] A1

[51] **Int.Cl. A61K 39/145 (2006.01) A61P 31/16 (2006.01) C07K 14/11 (2006.01)**
[25] EN
[54] **INFLUENZA VIRUS VACCINES AND USES THEREOF**
[54] **VACCINS CONTRE LE VIRUS DE LA GRIPPE ET LEURS UTILISATIONS**
[72] JONGENELEN, MANDY ANTONIA CATHARINA, NL
[72] RITSCHHEL, TINA, NL
[72] MILDER, FERDINAND JACOBUS, NL
[72] KING, INDIGO, NL
[72] SONG, YIFAN, NL
[72] LANGEDIJK, JOHANNES PETRUS MARIA, NL
[72] BRANDENBURG, BOERRIES, NL
[71] JANSSEN VACCINES & PREVENTION B.V., NL
[85] 2022-02-28
[86] 2020-09-03 (PCT/EP2020/074539)
[87] (WO2021/043869)
[30] US (62/896,244) 2019-09-05

[21] **3,152,958**
[13] A1

[51] **Int.Cl. G06F 40/289 (2020.01) G06F 40/58 (2020.01)**
[25] EN
[54] **AUTOMATIC PREPROCESSING FOR BLACK BOX TRANSLATION**
[54] **PRETRAITEMENT AUTOMATIQUE POUR TRADUCTION DE BOITE NOIRE**
[72] MEHTA, SNEHA, US
[72] BIHANI, BALLAV, US
[72] BONACI, VICTORIA, US
[72] CHEN, BORIS ANTHONY, US
[72] KUMAR, RITWIK KAILASH, US
[72] MISRA, VINITH, US
[72] SALUJA, AVNEESH SINGH, US
[72] SEMENIAKIN, MARIANNA, US
[71] NETFLIX, INC., US
[85] 2022-02-28
[86] 2020-09-04 (PCT/US2020/049481)
[87] (WO2021/046403)
[30] US (62/896,552) 2019-09-05
[30] US (17/011,960) 2020-09-03

[21] **3,152,959**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **ANTI-CXCR2 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-CXCR2 ET LEURS UTILISATIONS**
[72] YANG, GUANG, CN
[72] SHI, XIAOJIE, CN
[72] LERNER, RICHARD, CN
[71] SHANGHAITECH UNIVERSITY, CN
[85] 2022-03-01
[86] 2020-09-03 (PCT/CN2020/113197)
[87] (WO2021/043203)
[30] CN (PCT/CN2019/104336) 2019-09-04

[21] **3,152,961**
[13] A1

[51] **Int.Cl. A61K 31/4704 (2006.01) A61P 9/04 (2006.01) A61P 9/10 (2006.01) A61P 9/12 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **REBAMIPIDE FOR USE IN PREVENTION AND/OR TREATMENT OF ARTERIAL STIFFNESS**
[54] **REBAMIPIDE DESTINE A ETRE UTILISE DANS LA PREVENTION ET/OU LE TRAITEMENT DE LA RIGIDITE ARTERIELLE**
[72] DANEK, IVAN, CZ
[71] SQUARE POWER LTD, GB
[85] 2022-02-28
[86] 2020-09-10 (PCT/EP2020/075399)
[87] (WO2021/048314)
[30] EP (19020528.6) 2019-09-11

[21] **3,152,962**
[13] A1

[51] **Int.Cl. G05B 23/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ARTIFICIAL INTELLIGENCE-BASED MAINTENANCE OF AN AIR CONDITIONING SYSTEM**
[54] **SYSTEMES ET PROCEDES D'ENTRETIEN BASE SUR L'INTELLIGENCE ARTIFICIELLE D'UN SYSTEME DE CLIMATISATION**
[72] CASA, ANDREA, IT
[71] ALISEA S.R.L., IT
[85] 2022-03-01
[86] 2020-09-02 (PCT/EP2020/074459)
[87] (WO2021/047975)
[30] EP (19425063.5) 2019-09-09

[21] **3,152,963**
[13] A1

[51] **Int.Cl. C12N 5/0775 (2010.01) A61K 35/28 (2015.01) A61P 9/10 (2006.01)**
[25] EN
[54] **ACTIVATED MESENCHYMAL STEM CELLS FOR TREATING LIMB ISCHEMIA**
[54] **CELLULES SOUCHES MESENCHYMATEUSES ACTIVEES POUR LE TRAITEMENT DE L'ISCHEMIE DES MEMBRES**
[72] LOOG, ANDRUS, EE
[72] KAZANTSEVA, JEKATERINA, EE
[72] VASAR, OLAVI, EE
[72] MEREN, TIIT, EE
[72] VASAR, TRIIN, EE
[72] RAIK, MART, EE
[71] CELLIN TECHNOLOGIES OU, EE
[71] TAASTAVA KIRURGIA KLIINIK AS, EE
[85] 2022-02-28
[86] 2019-08-27 (PCT/IB2019/057182)
[87] (WO2021/038275)

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[21] **3,152,965**
[13] A1

[51] **Int.Cl. A61K 35/761 (2015.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TREATMENT OF TUMORS BY A COMBINATION OF AN ONCOLYTIC ADENOVIRUS, A CDK4/6 INHIBITOR AND A FURTHER THERAPEUTICALLY ACTIVE AGENT**
[54] **TRAITEMENT DE TUMEURS PAR UNE ASSOCIATION D'UN ADENOVIRUS ONCOLYTIQUE, D'UN INHIBITEUR DE CDK4/6 ET D'UN AUTRE AGENT THERAPEUTIQUEMENT ACTIF**
[72] HOLM, PER SONNE, DE
[72] NAWROTH, ROMAN, DE
[71] KLINIKUM RECHTS DER ISAR DER TECHNISCHEN UNIVERSITAT MUNCHEN, DE
[85] 2022-03-01
[86] 2020-09-07 (PCT/EP2020/074980)
[87] (WO2021/044061)
[30] EP (19000396.2) 2019-09-05
[30] EP (19000406.9) 2019-09-12

[21] **3,152,967**
[13] A1

[51] **Int.Cl. A61C 13/00 (2006.01) G05B 19/404 (2006.01)**
[25] EN
[54] **METHOD OF MACHINING A DENTAL RESTORATION WITH REDUCED CONTOUR FALSIFICATION**
[54] **PROCEDE D'USINAGE D'UNE RESTAURATION DENTAIRE AVEC UNE FALSIFICATION DE CONTOUR REDUITE**
[72] SCHNEIDER, HANS-CHRISTIAN, DE
[72] BASLER, FRANZ, DE
[72] WEISS, DANIEL, DE
[71] DENTSPLY SIRONA INC., US
[71] SIRONA DENTAL SYSTEMS GMBH, DE
[85] 2022-03-01
[86] 2020-09-21 (PCT/EP2020/076235)
[87] (WO2021/058417)
[30] EP (19199323.7) 2019-09-24

[21] **3,152,969**
[13] A1

[51] **Int.Cl. B62J 1/08 (2006.01) B62J 9/12 (2020.01) B62J 9/14 (2020.01) B62H 5/00 (2006.01) B62K 19/40 (2006.01) B62K 21/12 (2006.01)**
[25] EN
[54] **SEAT POST**
[54] **PORTE-SELLE**
[72] PRESS, ULRICH, DE
[71] PRESS, ULRICH, DE
[85] 2022-02-28
[86] 2020-08-25 (PCT/EP2020/073712)
[87] (WO2021/037832)
[30] DE (10 2019 213 136.0) 2019-08-30

[21] **3,152,970**
[13] A1

[51] **Int.Cl. A61K 36/41 (2006.01) A23L 33/105 (2016.01) A23F 3/14 (2006.01) A23F 3/34 (2006.01) A61K 36/315 (2006.01) A61K 36/342 (2006.01) A61P 31/12 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **TEA COMPOSITION HAVING EFFICACY FOR PREVENTING OR IMPROVING RESPIRATORY DISEASES, AND PHARMACEUTICAL COMPOSITION COMPRISING SAME**
[54] **COMPOSITION DE THE EFFICACE POUR PREVENIR OU AMELIORER DES MALADIES RESPIRATOIRES, ET COMPOSITION PHARMACEUTIQUE LA COMPRENANT**
[72] NAM, JONG HYUN, KR
[71] NAM, JONG HYUN, KR
[85] 2022-02-25
[86] 2020-12-02 (PCT/KR2020/017454)
[87] (WO2021/177553)
[30] KR (10-2020-0027724) 2020-03-05

[21] **3,152,971**
[13] A1

[51] **Int.Cl. A61C 13/00 (2006.01)**
[25] EN
[54] **METHOD OF MANUFACTURING A DENTAL RESTORATION**
[54] **PROCEDE DE FABRICATION D'UNE RESTAURATION DENTAIRE**
[72] WEISS, DANIEL, DE
[72] NOWARRA, OLIVER, DE
[72] FORNOFF, PETER, DE
[71] DENTSPLY SIRONA INC., US
[71] SIRONA DENTAL SYSTEMS GMBH, DE
[85] 2022-03-01
[86] 2020-09-21 (PCT/EP2020/076237)
[87] (WO2021/058418)
[30] EP (19199319.5) 2019-09-24

[21] **3,152,972**
[13] A1

[51] **Int.Cl. A61C 13/00 (2006.01) B23Q 39/02 (2006.01) B24B 27/00 (2006.01)**
[25] EN
[54] **METHOD OF PLANNING FREE-FORM TOOL PATHS FOR SIMULTANEOUS TWO-SIDED MACHINING WITH KINEMATIC AXIS COUPLING**
[54] **PROCEDE DE PLANIFICATION DE TRAJECTOIRES D'OUTILS DE FORME LIBRE POUR L'USINAGE BILATERAL SIMULTANE AVEC COUPLAGE D'AXE CINEMATIQUE**
[72] FALTIN, PETER, DE
[72] NOWARRA, OLIVER, DE
[71] DENTSPLY SIRONA INC., US
[71] SIRONA DENTAL SYSTEMS GMBH, DE
[85] 2022-03-01
[86] 2020-09-21 (PCT/EP2020/076238)
[87] (WO2021/058419)
[30] EP (19199316.1) 2019-09-24

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<p style="text-align: center;">[21] 3,152,973 [13] A1</p> <p>[51] Int.Cl. A61K 35/768 (2015.01) A61K 31/17 (2006.01) A61K 31/454 (2006.01) A61K 31/4985 (2006.01) A61K 31/519 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)</p> <p>[25] EN</p> <p>[54] PHARMACEUTICAL COMPOSITION FOR TREATING CANCER, COMPRISING VACCINIA VIRUS AND GRANULOPOIESIS INHIBITOR AS ACTIVE INGREDIENTS</p> <p>[54] COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT DU CANCER, COMPRENANT LE VIRUS DE LA VACCINE ET UN INHIBITEUR DE GRANULOPOIESE COMME PRINCIPES ACTIFS</p> <p>[72] HWANG, TAE-HO, KR [72] CHO, MONG, KR [72] KIM, JAE-JOON, KR [71] BIONOXX INC., KR [85] 2022-02-25 [86] 2020-08-31 (PCT/KR2020/011648) [87] (WO2021/040496) [30] KR (10-2019-0106736) 2019-08-29</p>	<p style="text-align: center;">[21] 3,152,975 [13] A1</p> <p>[51] Int.Cl. C10M 163/00 (2006.01) C10M 135/02 (2006.01) C10M 135/36 (2006.01) C10M 137/10 (2006.01) C10M 159/22 (2006.01)</p> <p>[25] EN</p> <p>[54] LUBRICATING OIL COMPOSITIONS</p> <p>[54] COMPOSITIONS D'HUILE LUBRIFIANTE</p> <p>[72] CHOMMELOUX, CLAIRE, US [72] MILLER, JOHN ROBERT, US [72] SKELTON, SHELBY A., US [72] SZTENDEROWICZ, MARK, US [72] BOFFA, ALEXANDER, US [72] TANAKA, ISAO, US [71] CHEVRON ORONITE COMPANY LLC, US [71] CHEVRON JAPAN LTD., JP [85] 2022-03-01 [86] 2020-09-03 (PCT/IB2020/058193) [87] (WO2021/044326) [30] US (62/896,373) 2019-09-05</p>	<p style="text-align: center;">[21] 3,152,979 [13] A1</p> <p>[51] Int.Cl. B05D 1/40 (2006.01) B05D 7/24 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS AND SYSTEMS FOR IMPARTING VISUAL FEATURES TO LIQUID APPLIED RESIDENTIAL ROOFS</p> <p>[54] PROCEDES ET SYSTEMES POUR CONFERER DES CARACTERISTIQUES VISUELLES A DES TOITS DE RESIDENCES APPLIQUES SOUS FORME LIQUIDE</p> <p>[72] ZHENG, YAN, US [72] XIAO, YIXI, US [72] BOSS, DANIEL E., US [72] CHICH, ADEM, US [71] BMIC LLC, US [85] 2022-02-28 [86] 2020-09-29 (PCT/US2020/053331) [87] (WO2021/067307) [30] US (62/907,947) 2019-09-30</p>
<p style="text-align: center;">[21] 3,152,974 [13] A1</p> <p>[51] Int.Cl. A61C 1/14 (2006.01) A61C 3/00 (2006.01)</p> <p>[25] EN</p> <p>[54] DENTAL TOOL HAVING A MINIATURIZED RFID TAG AND DENTAL CNC MILLING / GRINDING MACHINE USING THE SAME</p> <p>[54] OUTIL DENTAIRE AVEC ETIQUETTE RFID MINIATURISEE ET MACHINE DE BROYAGE/MEULAGE CNC DENTAIRE L'UTILISANT</p> <p>[72] SCHAEFER, ANDREAS, DE [72] NOWARRA, OLIVER, DE [72] TURZER, MICHAEL, DE [72] FORNOFF, PETER, DE [71] DENTSPLY SIRONA INC., US [71] SIRONA DENTAL SYSTEMS GMBH, DE [85] 2022-03-01 [86] 2020-09-24 (PCT/EP2020/076660) [87] (WO2021/058622) [30] EP (19199321.1) 2019-09-24</p>	<p style="text-align: center;">[21] 3,152,977 [13] A1</p> <p>[51] Int.Cl. A61B 5/00 (2006.01) A61B 5/11 (2006.01) A63B 24/00 (2006.01) A63B 69/36 (2006.01) G09B 19/00 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR WEARABLE DEVICES THAT DETERMINE BALANCE INDICES</p> <p>[54] SYSTEMES ET PROCEDES POUR DISPOSITIFS VESTIMENTAIRES DETERMINANT DES INDICES D'EQUILIBRE</p> <p>[72] DOUGLAS, JOHN, US [72] FORNARI, FRANK, US [71] BIOMECH SENSOR LLC, US [85] 2022-02-25 [86] 2020-08-28 (PCT/US2020/048428) [87] (WO2021/041823) [30] US (16/558,019) 2019-08-30 [30] US (16/993,518) 2020-08-14</p>	<p style="text-align: center;">[21] 3,152,982 [13] A1</p> <p>[51] Int.Cl. G01B 11/00 (2006.01) A01M 1/02 (2006.01) G01M 1/00 (2006.01) G01S 5/16 (2006.01) G01S 17/46 (2006.01)</p> <p>[25] EN</p> <p>[54] AUTONOMOUS LASER WEED ERADICATION</p> <p>[54] ERADICATION DE MAUVAISES HERBES PAR LASER AUTONOME</p> <p>[72] MIKESELL, PAUL, US [72] MEY, JONATHAN, US [72] GABRIELSEN, CORY, US [71] CARBON AUTONOMOUS ROBOTICS SYSTEMS INC., US [85] 2022-02-25 [86] 2020-09-16 (PCT/US2020/051081) [87] (WO2021/055485) [30] US (62/901,641) 2019-09-17</p>

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[21] **3,152,983**
[13] A1

[51] **Int.Cl. C10L 1/18 (2006.01) C10L 1/185 (2006.01) C10L 10/08 (2006.01)**

[25] EN

[54] **REDUCING FRICTION IN COMBUSTION ENGINES THROUGH FUEL ADDITIVES**

[54] **REDUCTION DU FROTTEMENT DANS DES MOTEURS A COMBUSTION PAR L'INTERMEDIAIRE D'ADDITIFS DE CARBURANT**

[72] CHERPECK, RICHARD EUGENE, US
[72] MARIA, AMIR GAMAL, US
[72] GUNAWAN, THERESA LIANG, US
[71] CHEVRON ORONITE COMPANY LLC, US
[71] CHEVRON U.S.A. INC., US
[85] 2022-03-01
[86] 2020-08-31 (PCT/IB2020/058090)
[87] (WO2021/048677)
[30] US (62/898,398) 2019-09-10

[21] **3,152,984**
[13] A1

[51] **Int.Cl. A61K 38/12 (2006.01) A61K 45/06 (2006.01) A61K 49/00 (2006.01)**

[25] EN

[54] **SYNTHETIC ANTIMICROBIAL PEPTIDES**

[54] **PEPTIDES ANTIMICROBIENS SYNTHETIQUES**

[72] PARANG, KEYKAVOUS, US
[72] TIWARI, RAKESH, US
[72] LOHAN, SANDEEP, US
[72] MOHAMMED, EMAN, EG
[72] MANDAL, DINDYAL, US
[71] AJK BIOPHARMACEUTICAL, LLC, US
[85] 2022-02-28
[86] 2020-08-31 (PCT/US2020/048761)
[87] (WO2021/042039)
[30] US (62/893,633) 2019-08-29

[21] **3,152,985**
[13] A1

[51] **Int.Cl. E01F 9/40 (2016.01) E01F 15/04 (2006.01) F21V 33/00 (2006.01)**

[25] EN

[54] **A SYSTEM FOR ILLUMINATING A CARRIAGEWAY IN A CASE OF FOG**

[54] **SYSTEME D'ECLAIRAGE DE CHAUSSEE EN CAS DE BROUILLARD**

[72] IMPERO, PASQUALE, IT
[72] LAUDANTE, GIOVANNI, IT
[72] MUSONE, VINCENZO, IT
[72] BELLESINI, ALVISE, IT
[71] IMPERO, PASQUALE, IT
[85] 2022-03-01
[86] 2020-08-03 (PCT/IB2020/057315)
[87] (WO2021/024155)
[30] IT (102019000014115) 2019-08-06

[21] **3,152,987**
[13] A1

[51] **Int.Cl. B65D 50/02 (2006.01) B65D 5/66 (2006.01) B65D 5/68 (2006.01)**

[25] EN

[54] **CHILD-PROOF PACKAGE AND PROCESS OF MAKING THE SAME, METHOD FOR CLOSING AND OPENING SAID PACKAGE**

[54] **EMBALLAGE A L'EPREUVE DES ENFANTS ET SON PROCEDE DE FABRICATION, PROCEDE DE FERMETURE ET D'OUVERTURE DUDIT EMBALLAGE**

[72] BRESSAN, ALESSIO, IT
[72] BRESSAN, MICHEL, IT
[72] GANDOLLA, ALBERTO, IT
[71] I.G.B. S.R.L., IT
[85] 2022-03-01
[86] 2020-08-28 (PCT/IB2020/058041)
[87] (WO2021/044267)
[30] IT (102019000015410) 2019-09-02

[21] **3,152,988**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 38/095 (2019.01) A61K 9/08 (2006.01) A61P 25/00 (2006.01) A61P 25/18 (2006.01) A61P 43/00 (2006.01)**

[25] EN

[54] **OXYTOCIN COMPOSITIONS FOR TREATMENT OF TINNITUS**

[54] **COMPOSITIONS D'OXYTOCINE POUR LE TRAITEMENT DE L'ACOUPHENE**

[72] NEWMAN, LAWRENCE C., US
[72] CRAMER, JAMES, US
[71] NEW YORK UNIVERSITY, US
[85] 2022-02-28
[86] 2020-08-31 (PCT/US2020/048736)
[87] (WO2021/042029)
[30] US (62/893,363) 2019-08-29

[21] **3,152,989**
[13] A1

[51] **Int.Cl. A23L 2/00 (2006.01) A23L 2/52 (2006.01) A23L 2/54 (2006.01) A23L 2/68 (2006.01)**

[25] EN

[54] **CARBONATED BEVERAGE, METHOD FOR PRODUCING SAME, AND METHOD FOR IMPROVING COOLING SENSATION OF CARBONATED BEVERAGE**

[54] **BOISSON GAZEUSE, SON PROCEDE DE PRODUCTION ET PROCEDE D'AMELIORATION DE LA SENSATION DE RAFRAICHISSEMENT D'UNE BOISSON GAZEUSE**

[72] YOSHII, TAKAAKI, JP
[72] HATA, YUTO, JP
[72] NAKAHARA, KOICHI, JP
[72] UEMURA, MASAHIDE, JP
[71] SUNTORY HOLDINGS LIMITED, JP
[85] 2022-03-01
[86] 2020-04-03 (PCT/JP2020/015376)
[87] (WO2021/049074)
[30] JP (2019-167505) 2019-09-13

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[21] **3,152,990**
[13] A1

[51] **Int.Cl. A61K 38/17 (2006.01) A61P 3/00 (2006.01) A61P 43/00 (2006.01)**

[25] EN

[54] **THERAPEUTIC FUSION PROTEINS**

[54] **PROTEINES DE FUSION THERAPEUTIQUES**

[72] IRIGARAY, SEBASTIEN, CH

[72] KLEIN, LAURENT, CH

[72] SKEGRO, DARKO, CH

[72] VILLANI, MARCO, CH

[72] WELZENBACH, KARL, CH

[71] NOVARTIS AG, CH

[85] 2022-03-01

[86] 2020-09-04 (PCT/IB2020/058251)

[87] (WO2021/044361)

[30] EP (19196045.9) 2019-09-06

[21] **3,152,991**
[13] A1

[51] **Int.Cl. B01J 8/04 (2006.01) B01J 8/06 (2006.01) B01J 27/198 (2006.01) C07D 307/60 (2006.01)**

[25] EN

[54] **NEW CATALYST SYSTEM FOR PRODUCING MALEIC ANHYDRIDE BY MEANS OF THE CATALYTIC OXIDATION OF N-BUTANE**

[54] **NOUVEAU SYSTEME CATALYSEUR POUR LA PRODUCTION D'ANHYDRIDE MALEIQUE PAR OXYDATION CATALYTIQUE DE N-BUTANE**

[72] BOECKLEIN, SEBASTIAN, DE

[72] MESTL, GERHARD, DE

[72] ADLER (GEB. WALDSCHUETZ), ANNA, DE

[72] KUTSCHERAUER, MARTIN, DE

[71] CLARIANT INTERNATIONAL LTD, CH

[85] 2022-03-01

[86] 2020-10-09 (PCT/EP2020/078408)

[87] (WO2021/074029)

[30] DE (10 2019 127 790.6) 2019-10-15

[21] **3,152,992**
[13] A1

[51] **Int.Cl. F28D 1/047 (2006.01) F28F 9/00 (2006.01)**

[25] EN

[54] **HEAT EXCHANGING APPARATUS**

[54] **DISPOSITIF D'ECHANGE DE CHALEUR**

[72] HATAMOTO, HIROSHI, JP

[72] MITSUYASU, TADASHI, JP

[71] HATAMOTO, HIROSHI, JP

[71] LONOVEGE CO., LTD., JP

[85] 2022-03-01

[86] 2020-07-15 (PCT/JP2020/027466)

[87] (WO2021/044738)

[30] JP (2019-162877) 2019-09-06

[21] **3,152,993**
[13] A1

[51] **Int.Cl. E21B 19/15 (2006.01) E21B 19/00 (2006.01) E21B 19/16 (2006.01)**

[25] EN

[54] **COMPENSATED DRILL FLOOR**

[54] **PLANCHER DE FORAGE COMPENSE**

[72] VU, VAN VAN, US

[71] ENSCO INTERNATIONAL INCORPORATED, US

[85] 2022-02-28

[86] 2020-08-28 (PCT/US2020/048598)

[87] (WO2021/041957)

[30] US (62/893,741) 2019-08-29

[21] **3,152,995**
[13] A1

[51] **Int.Cl. H01F 27/24 (2006.01) H01F 27/245 (2006.01)**

[25] EN

[54] **WOUND CORE**

[54] **NOYAU ENROULE**

[72] MOGI, HISASHI, JP

[72] MIZUMURA, TAKAHITO, JP

[72] TAMAKI, TERUYUKI, JP

[72] FUJIMURA, HIROSHI, JP

[72] HIRAYAMA, RYU, JP

[71] NIPPON STEEL CORPORATION, JP

[85] 2022-03-01

[86] 2020-09-03 (PCT/JP2020/033491)

[87] (WO2021/045169)

[30] JP (2019-160544) 2019-09-03

[21] **3,152,996**
[13] A1

[51] **Int.Cl. G06K 9/00 (2022.01) G06K 9/62 (2022.01)**

[25] EN

[54] **A METHOD FOR OBTAINING DATA FROM AN IMAGE OF AN OBJECT OF A USER THAT HAS A BIOMETRIC CHARACTERISTIC OF THE USER**

[54] **PROCEDE D'OBTENTION DE DONNEES A PARTIR D'UNE IMAGE D'UN OBJET D'UN UTILISATEUR COMPORTANT UN INDICATEUR BIOMETRIQUE DE L'UTILISATEUR**

[72] GUPTA, HARDIK, IN

[72] MURUGAN, SATHEESH, IN

[72] BHASKARAN, SANEESH, IN

[71] IDENTITY INC., US

[85] 2022-03-01

[86] 2020-09-10 (PCT/IB2020/058405)

[87] (WO2021/048777)

[30] IN (201941036800) 2019-09-12

[21] **3,152,997**
[13] A1

[51] **Int.Cl. G01R 31/392 (2019.01) G01R 31/36 (2020.01) H01M 10/44 (2006.01) H01M 10/48 (2006.01) H02J 7/00 (2006.01) H02J 7/04 (2006.01)**

[25] EN

[54] **BATTERY MODULE WITH SMART ELECTRONIC ISOLATION SYSTEMS**

[54] **MODULE DE BATTERIE AVEC SYSTEMES D'ISOLATION ELECTRONIQUE INTELLIGENTS**

[72] WHITNEY, RICHARD, US

[72] ELLIS, CHRISTOPHER R., US

[71] SPARKCHARGE, INC., US

[85] 2022-02-28

[86] 2020-08-28 (PCT/US2020/048556)

[87] (WO2021/041919)

[30] US (62/892,809) 2019-08-28

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[21] **3,152,998**
[13] A1

- [51] **Int.Cl. G16H 20/10 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING AN APPROPRIATE DOSE OF A PRODUCT**
[54] **SYSTEME ET PROCEDE DE DETERMINATION DE DOSE APPROPRIEE D'UN PRODUIT**
[72] KEENAN, JOSEPH FRANCIS, US
[72] WOODBINE, JOHN JESSE, US
[72] CALFEE, PETER WILLIAM, US
[71] GOFIRE INC., US
[85] 2022-03-01
[86] 2019-09-06 (PCT/US2019/050067)
[87] (WO2021/045784)
[30] US (16/559,556) 2019-09-03

[21] **3,152,999**
[13] A1

- [51] **Int.Cl. A61B 5/11 (2006.01) A61B 5/00 (2006.01) A61B 5/103 (2006.01) A63B 21/00 (2006.01) A63B 24/00 (2006.01)**
[25] EN
[54] **QUANTIFICATION OF SYMMETRY AND REPEATABILITY IN LIMB MOTION FOR TREATMENT OF ABNORMAL MOTION PATTERNS**
[54] **QUANTIFICATION DE SYMETRIE ET DE REPETABILITE DANS LE MOUVEMENT D'UN MEMBRE, PERMETTANT LE TRAITEMENT DE MOTIFS DE MOUVEMENT ANORMAUX**
[72] GAILEY, ROBERT, US
[72] KIM, KYOUNG JAE, US
[71] UNIVERSITY OF MIAMI, US
[85] 2022-03-01
[86] 2020-09-04 (PCT/US2020/049509)
[87] (WO2021/046423)
[30] US (62/896,672) 2019-09-06

[21] **3,153,000**
[13] A1

- [51] **Int.Cl. H01M 10/02 (2006.01) H01M 10/42 (2006.01) H01M 10/44 (2006.01) H02H 3/02 (2006.01) H02H 3/20 (2006.01) H02J 7/04 (2006.01)**
[25] EN
[54] **BATTERY MODULE**
[54] **MODULE DE BATTERIE**
[72] ELLIS, CHRISTOPHER R., US
[72] WHITNEY, RICHARD, US
[71] SPARKCHARGE, INC., US
[85] 2022-02-28
[86] 2020-08-28 (PCT/US2020/048549)
[87] (WO2021/041914)
[30] US (62/892,804) 2019-08-28

[21] **3,153,001**
[13] A1

- [51] **Int.Cl. B60L 53/00 (2019.01) B60L 58/00 (2019.01) B60K 6/00 (2007.10) H02J 5/00 (2016.01) H02J 7/00 (2006.01)**
[25] EN
[54] **ELECTRIC VEHICLE CHARGING APPARATUS, SYSTEM AND METHODS**
[54] **APPAREIL, SYSTEME ET PROCEDES DE CHARGE DE VEHICULE ELECTRIQUE**
[72] ELLIS, CHRISTOPHER R., US
[72] WHITNEY, RICHARD, US
[71] SPARKCHARGE, INC., US
[85] 2022-02-28
[86] 2020-08-28 (PCT/US2020/048413)
[87] (WO2021/041814)
[30] US (62/892,800) 2019-08-28

[21] **3,153,002**
[13] A1

- [51] **Int.Cl. C10M 161/00 (2006.01) C10M 129/00 (2006.01) C10M 145/26 (2006.01)**
[25] EN
[54] **LUBRICATING OIL COMPOSITION FOR HYBRID VEHICLES**
[54] **COMPOSITION D'HUILE LUBRIFIANTE POUR VEHICULES HYBRIDES**
[72] HOGENDOORN, RICHARD, NL
[72] TANAKA, ISAO, JP
[72] LEEUWEN, JEROEN VAN, NL
[71] CHEVRON ORONITE TECHNOLOGY B.V., NL
[71] CHEVRON JAPAN LTD., JP
[85] 2022-03-01
[86] 2020-09-22 (PCT/IB2020/058814)
[87] (WO2021/059115)
[30] US (62/905,777) 2019-09-25

[21] **3,153,003**
[13] A1

- [51] **Int.Cl. A01N 43/66 (2006.01)**
[25] EN
[54] **HERBICIDAL COMPOSITIONS FOR ANIMAL GRAZELANDS AND METHODS FOR APPLYING THE SAME**
[54] **COMPOSITIONS HERBICIDES POUR PATURAGES D'ANIMAUX ET LEURS METHODES D'APPLICATION**
[72] QUICKE, HAROLD, US
[72] SPAK, DAVID R., US
[72] SEBASTIAN, DEREK JAMES, US
[72] MAYNARD, ROLAND, US
[71] BAYER CROPSCIENCE LP, US
[85] 2022-03-01
[86] 2019-11-21 (PCT/US2019/062634)
[87] (WO2020/112491)
[30] US (62/773,037) 2018-11-29

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[21] **3,153,004**
[13] A1

[51] **Int.Cl. A61K 9/16 (2006.01) A61K 31/315 (2006.01) A61K 47/26 (2006.01) A61K 47/38 (2006.01) A61P 3/00 (2006.01)**

[25] EN

[54] **GRANULE HAVING MASKED UNPLEASANT TASTE AND METHOD FOR PRODUCING SAME**

[54] **GRANULE AYANT UN GOUT DESAGREABLE CACHE ET SON PROCEDE DE PRODUCTION**

[72] NOMURA, TATSUO, JP
[72] YASUZAWA, TORU, JP
[71] NOBELPHARMA CO., LTD., JP
[85] 2022-03-01
[86] 2020-09-24 (PCT/JP2020/035883)
[87] (WO2021/060304)
[30] JP (2019-173744) 2019-09-25

[21] **3,153,005**
[13] A1

[51] **Int.Cl. C07K 14/195 (2006.01) C12N 5/09 (2010.01) C12N 9/00 (2006.01) C12N 9/22 (2006.01) C12N 15/11 (2006.01) C12N 15/90 (2006.01)**

[25] EN

[54] **NOVEL CRISPR DNA TARGETING ENZYMES AND SYSTEMS**

[54] **NOUVEAUX ENZYMES ET SYSTEMES CIBLANT L'ADN CRISPR**

[72] SCOTT, DAVID A., US
[72] CHENG, DAVID R., US
[72] YAN, WINSTON X., US
[72] DITOMMASO, TIA M., US
[71] ARBOR BIOTECHNOLOGIES, INC., US
[85] 2022-03-01
[86] 2020-09-04 (PCT/US2020/049534)
[87] (WO2021/046442)
[30] US (62/896,308) 2019-09-05

[21] **3,153,006**
[13] A1

[51] **Int.Cl. A61P 25/20 (2006.01) A61P 25/24 (2006.01) C07C 15/12 (2006.01)**

[25] EN

[54] **MODULATORS OF CIRCADIAN RHYTHMS AND USES THEREOF**

[54] **MODULATEURS DES RHYTHMES CIRCADIENS ET LEURS UTILISATIONS**

[72] SHOICHET, BRIAN K., US
[72] STEIN, REED M., US
[72] DUBOCOVICH, MARGARITA L., US
[72] GLATFELTER, GRANT C., US
[72] ROTH, BRYAN L., US
[72] KANG, HYE JIN, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[71] THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, US
[85] 2022-02-28
[86] 2020-08-27 (PCT/US2020/048233)
[87] (WO2021/041702)
[30] US (62/893,115) 2019-08-28

[21] **3,153,008**
[13] A1

[51] **Int.Cl. E21B 4/02 (2006.01) E21B 21/08 (2006.01) F01C 1/107 (2006.01)**

[25] EN

[54] **MUD MOTOR CATCH WITH CATCH INDICATION AND ANTI-MILLING**

[54] **DISPOSITIF D'ARRET DE MOTEUR A BOUE AVEC INDICATION D'ARRET ET ANTI-BROYAGE**

[72] LEUNG, PHILIP PARK-HUNG, CA
[72] BELL, STEVEN GRAHAM, US
[72] PARK, STEVEN, CA
[72] MOURAD, MOHAMED, CA
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-03-01
[86] 2020-06-10 (PCT/US2020/037058)
[87] (WO2021/112919)
[30] US (62/943,372) 2019-12-04
[30] US (16/879,076) 2020-05-20

[21] **3,153,009**
[13] A1

[51] **Int.Cl. E05B 1/00 (2006.01) F21S 9/02 (2006.01) F21V 23/04 (2006.01)**

[25] EN

[54] **DOOR-ILLUMINATING HANDLE**

[54] **POIGNEE D'ECLAIRAGE DE PORTE**

[72] WATSON, AIDA K. N., US
[72] RYALS, MADELINE, US
[72] UPTON, NICHOLAS, US
[72] SNIDER, CHRIS R., US
[71] SCHLAGE LOCK COMPANY LLC, US
[85] 2022-02-28
[86] 2020-08-27 (PCT/US2020/048209)
[87] (WO2021/041682)
[30] US (16/552,573) 2019-08-27

[21] **3,153,010**
[13] A1

[51] **Int.Cl. C12Q 1/6883 (2018.01) G01N 33/68 (2006.01)**

[25] EN

[54] **METHODS OF SCREENING FOR CONDENSATE-ASSOCIATED SPECIFICITY AND USES THEREOF**

[54] **PROCEDES DE CRIBLAGE DE SPECIFICITE ASSOCIEE A UN CONDENSAT ET LEURS UTILISATIONS**

[72] SZEWCZAK, ALEXANDER, US
[72] POSER, INA, DE
[72] MURCKO, MARK ANDREW, US
[72] HALE, STEPHEN PAUL, US
[72] BEUTEL, BRUCE AARON, US
[71] DEWPOINT THERAPEUTICS, INC., US
[85] 2022-03-01
[86] 2020-09-17 (PCT/US2020/051331)
[87] (WO2021/055644)
[30] US (62/902,316) 2019-09-18

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[21] **3,153,011**
[13] A1

[51] **Int.Cl. G06Q 20/08 (2012.01) H04L 9/32 (2006.01)**
[25] EN
[54] **DISTRIBUTED BLOCKCHAIN-TYPE IMPLEMENTATIONS CONFIGURED TO MANAGE TOKENIZED DIGITAL ASSETS AND IMPROVED ELECTRONIC WALLETS, AND METHODS OF USE THEREOF**
[54] **MISES EN OEUVRE DE TYPE CHAINE DE BLOCS DISTRIBUES CONCUES POUR GERER DES BIENS NUMERIQUES SEGMENTES ET DES PORTEFEUILLES ELECTRONIQUES AMELIORES, ET LEURS PROCEDES D'UTILISATION**
[72] PROKOPENYA, VIKTOR, GI
[72] MIKHASIOU, ARTSIOM, GI
[72] FOMENOK, IL'YA, GI
[72] KOTSELEU, ALIAKSANDR, GI
[72] SINILA, SIARHEI, GI
[71] CURRENCY COM LIMITED, GI
[85] 2022-03-01
[86] 2020-09-10 (PCT/IB2020/000820)
[87] (WO2021/053404)
[30] US (62/898,017) 2019-09-10
[30] US (62/898,015) 2019-09-10

[21] **3,153,012**
[13] A1

[51] **Int.Cl. A61M 5/172 (2006.01) A61B 5/0205 (2006.01) A61B 5/021 (2006.01) A61B 5/024 (2006.01) A61B 5/145 (2006.01) A61K 38/18 (2006.01) A61M 5/142 (2006.01) G01L 1/16 (2006.01)**
[25] EN
[54] **CONNECTED DRUG DELIVERY SYSTEM FOR ERYTHROPOIETIN STIMULATING AGENTS**
[54] **SYSTEME D'ADMINISTRATION DE MEDICAMENT CONNECTE POUR DES AGENTS DE STIMULATION DE L'ERYTHROPOIETINE**
[72] YUDS, DAVID, US
[72] PEESAPATI, SAMEER, US
[71] FRESSENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2022-03-01
[86] 2020-09-16 (PCT/US2020/051060)
[87] (WO2021/133440)
[30] US (62/952,828) 2019-12-23

[21] **3,153,015**
[13] A1

[51] **Int.Cl. E06B 3/663 (2006.01)**
[25] EN
[54] **COMPRESSION FIT GROOVED SPACER**
[54] **INTERCALAIRE RAINURE A AJUSTEMENT PAR COMPRESSION**
[72] BUCHANAN, RONALD ELLSWORTH, US
[72] SEATS, DYLAN THOMAS, US
[72] FLORIO, JOSEPH DONATO, US
[72] MCPEEK, DAVID ALLEN, US
[72] MOLINARO, MARK CHRISTOPHER, US
[72] HUMMEL, SEAN JOSEPH, US
[72] ERB, JOE B., US
[71] QUANEX IG SYSTEMS, INC., US
[85] 2022-03-01
[86] 2020-09-16 (PCT/US2020/051035)
[87] (WO2021/055447)
[30] US (62/901,120) 2019-09-16

[21] **3,153,016**
[13] A1

[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01) H01F 7/00 (2006.01)**
[25] EN
[54] **MAGNETIC SUTURE**
[54] **SUTURE MAGNETIQUE**
[72] WILLIAMS, DEREK M., US
[72] PHILIPS, GRANT WESLEY, US
[72] JACKSON, MICHELLE, US
[72] PICHA, GEORGE J., US
[71] APPLIED MEDICAL TECHNOLOGY, INC., US
[85] 2022-03-01
[86] 2020-09-03 (PCT/US2020/049112)
[87] (WO2021/046160)
[30] US (62/895,564) 2019-09-04

[21] **3,153,017**
[13] A1

[51] **Int.Cl. H01R 13/64 (2006.01) A21B 1/40 (2006.01) H01R 13/52 (2006.01)**
[25] EN
[54] **MAGNETIC CONNECTOR**
[54] **CONNECTEUR MAGNETIQUE**
[72] WHEAR, BENOIT, CA
[71] EXCELTEC CANADA INC., CA
[85] 2022-03-02
[86] 2020-09-01 (PCT/CA2020/051192)
[87] (WO2021/042206)
[30] US (62/896,098) 2019-09-05

[21] **3,153,019**
[13] A1

[51] **Int.Cl. B01D 53/14 (2006.01) C05C 3/00 (2006.01)**
[25] EN
[54] **METHODS FOR ABSORBING A TARGETED COMPOUND FROM A GAS STREAM FOR SUBSEQUENT PROCESSING OR USE**
[54] **PROCEDES D'ABSORPTION D'UN COMPOSE CIBLE A PARTIR D'UN COURANT GAZEUX POUR UN TRAITEMENT OU UNE UTILISATION ULTERIEURS**
[72] TEMPLE, STEPHEN R., US
[72] TEMPLE, BJORN, US
[71] STEEN RESEARCH, LLC, US
[85] 2022-02-28
[86] 2020-08-27 (PCT/US2020/048161)
[87] (WO2021/041645)
[30] US (62/892,828) 2019-08-28

[21] **3,153,020**
[13] A1

[51] **Int.Cl. C12Q 1/6897 (2018.01) A23L 33/135 (2016.01) A61P 1/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR CHARACTERIZING A MICROBIOME**
[54] **COMPOSITIONS ET PROCEDES DE CARACTERISATION D'UN MICROBIOME**
[72] GOVINDAN, JOTHI AMARANATH, US
[72] JAYAMANI, ELAMPARITHI, US
[72] CHATTER, PRITHI H., US
[72] CHATTER, MUKESH, US
[71] MARVELBIOME, INC., US
[85] 2022-03-01
[86] 2020-09-11 (PCT/US2020/050585)
[87] (WO2021/051020)
[30] US (62/899,718) 2019-09-12
[30] US (62/988,132) 2020-03-11

Demandes PCT entrant en phase nationale

[21] **3,153,022**
[13] A1

[51] **Int.Cl. A61M 25/10 (2013.01) A61M 25/00 (2006.01) A61M 29/00 (2006.01) A61M 31/00 (2006.01) A61M 37/00 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR DELIVERY OF CELL THERAPIES**

[54] **METHODE ET APPAREIL POUR L'ADMINISTRATION DE THERAPIES CELLULAIRES**

[72] CARPENTER, JUDITH T., US

[72] CARPENTER, JEFFREY P., US

[72] BROWN, SPENCER, US

[72] SATTELL, JACK B., US

[72] REZAC, DAVID A., US

[72] MARR, DEVIN H., US

[72] GARRETT, CAMRON, US

[71] STEMLANT LLC, US

[85] 2022-03-01

[86] 2020-08-31 (PCT/US2020/048832)

[87] (WO2021/046001)

[30] US (62/894,862) 2019-09-02

[21] **3,153,023**
[13] A1

[51] **Int.Cl. A01G 7/04 (2006.01) A01G 9/24 (2006.01)**

[25] EN

[54] **HORTICULTURAL LUMINAIRE WITH A DOWNWARD BATWING LIGHT DISTRIBUTION**

[54] **LUMINAIRE HORTICOLE AYANT UNE DISTRIBUTION DE LUMIERE EN EVENTAIL VERS LE BAS**

[72] SCHMIDT, JONATHAN BECKER, US

[71] FLUENCE BIOENGINEERING, INC., US

[85] 2022-02-28

[86] 2020-08-25 (PCT/US2020/047740)

[87] (WO2021/041377)

[30] US (62/894,670) 2019-08-30

[30] US (16/589,128) 2019-09-30

[30] US (16/589,155) 2019-10-01

[30] US (16/589,153) 2019-10-01

[30] US (16/882,371) 2020-05-22

[21] **3,153,027**
[13] A1

[51] **Int.Cl. G06F 13/00 (2006.01)**

[25] EN

[54] **AN AVIONIC COMPUTER ARCHITECTURE**

[54] **ARCHITECTURE D'ORDINATEUR AVIONIQUE**

[72] KAZANBAS, MEHMET CEMIL, TR

[72] SAYARLAR, MEHMET FATIH, TR

[71] TUSAS- TURK HAVACILIK VE UZAY SANAYII ANONIM SIRKETI, TR

[85] 2022-02-28

[86] 2020-08-24 (PCT/TR2020/050742)

[87] (WO2021/040652)

[30] TR (2019/13054) 2019-08-28

[21] **3,153,028**
[13] A1

[51] **Int.Cl. G06N 20/00 (2019.01)**

[25] EN

[54] **CLASSIFYING BUSINESS SUMMARIES AGAINST A HIERARCHICAL INDUSTRY CLASSIFICATION STRUCTURE USING SUPERVISED MACHINE LEARNING**

[54] **CLASSIFICATION DE RESUMES COMMERCIAUX ADOSSEE A UNE STRUCTURE DE CLASSIFICATION D'INDUSTRIE HIERARCHIQUE A L'AIDE D'UN APPRENTISSAGE MACHINE SUPERVISE**

[72] ZHILTSOV, NIKITA, US

[71] THE DUN & BRADSTREET CORPORATION, US

[85] 2022-03-01

[86] 2020-09-03 (PCT/US2020/049158)

[87] (WO2021/046191)

[30] US (16/559,963) 2019-09-04

[21] **3,153,030**
[13] A1

[51] **Int.Cl. G06F 13/10 (2006.01) G06F 13/00 (2006.01) G06F 13/28 (2006.01)**

[25] EN

[54] **FLEXIBLE DATAPATH OFFLOAD CHAINING**

[54] **CHAINAGE DE DECHARGEMENT DE CHEMIN DE DONNEES FLEXIBLE**

[72] RAMAN, PIRABHU, US

[72] QUOC, TUYEN VAN, US

[72] MATHISON, PAUL, US

[72] TIRUVAYAPADI, MOHANKUMAR R., US

[71] PENSANDO SYSTEMS INC., US

[85] 2022-03-01

[86] 2020-09-02 (PCT/US2020/049028)

[87] (WO2021/046102)

[30] US (16/559,381) 2019-09-03

[21] **3,153,031**
[13] A1

[51] **Int.Cl. A01C 11/02 (2006.01) A01B 79/00 (2006.01)**

[25] EN

[54] **PLANTING SYSTEM**

[54] **SYSTEME DE PLANTATION**

[72] ARVIDSSON, HANS, SE

[72] ARVIDSSON, TOBIAS, SE

[71] PLANTMA AB, SE

[85] 2022-03-01

[86] 2020-09-02 (PCT/SE2020/050829)

[87] (WO2021/045666)

[30] SE (1950997-5) 2019-09-02

[21] **3,153,033**
[13] A1

[51] **Int.Cl. B65G 43/00 (2006.01) G05B 19/4155 (2006.01) G06F 9/44 (2018.01)**

[25] EN

[54] **SYSTEMS, APPARATUS, AND METHODS OF CONVEYOR BELT PROCESSING**

[54] **SYSTEMES, APPAREIL ET PROCEDES DE TRAITEMENT DE COURROIE TRANSPORTEUSE**

[72] SHLAIMOUN, ZIA, US

[72] SHLAIMOUN, NICO, US

[71] HEXACORE, INC., US

[85] 2022-03-01

[86] 2020-09-04 (PCT/US2020/070502)

[87] (WO2021/046581)

[30] US (62/896,682) 2019-09-06

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[21] **3,153,034**
[13] A1

[51] **Int.Cl. F16K 17/04 (2006.01)**
[25] EN
[54] **PRV-PRESSURE RELIEF VALVE**
[54] **SOUPAPE DE SURPRESSION**
(PRV)
[72] TUTEK, MUSTAFA SERDAR, TR
[71] SERDAR PLASTIK SANAYI VE
TICARET ANONIM SIRKETI, TR
[85] 2022-03-01
[86] 2020-09-01 (PCT/TR2020/050791)
[87] (WO2021/040668)
[30] TR (2019/13173) 2019-09-01

[21] **3,153,038**
[13] A1

[51] **Int.Cl. A63F 13/00 (2014.01)**
[25] EN
[54] **APPARATUS AND PROCESS FOR**
DETECTING, IDENTIFYING, AND
ESTIMATING USER EXPERIENCE
OF ONLINE GAMES
[54] **APPAREIL ET PROCEDE DE**
DETECTION, D'IDENTIFICATION
ET D'ESTIMATION DE
L'EXPERIENCE UTILISATEUR DE
JEUX EN LIGNE
[72] MADANAPALLI, SHARAT
CHANDRA, AU
[72] GHARAKHEILI, HASSAN HABIBI,
AU
[72] SIVARAMAN, VIJAY, AU
[71] CANOPUS NETWORKS PTY LTD,
AU
[85] 2022-03-02
[86] 2020-09-04 (PCT/AU2020/050935)
[87] (WO2021/042173)
[30] AU (2019903276) 2019-09-05

[21] **3,153,041**
[13] A1

[51] **Int.Cl. B65G 1/137 (2006.01) G06Q**
10/08 (2012.01) B65G 17/20 (2006.01)
B65G 17/48 (2006.01) E04H 14/00
(2006.01)
[25] EN
[54] **ORDER DELIVERY SYSTEM AND**
METHOD
[54] **SYSTEME DE REMISE D'UNE**
COMMANDE ET PROCEDE
CORRESPONDANT
[72] MOULIN, ROMAIN, FR
[72] HEITZ, RENAUD, FR
[72] BAULARD, GILLES, FR
[71] EXOTEC, FR
[85] 2022-03-02
[86] 2020-09-02 (PCT/EP2020/074474)
[87] (WO2021/043828)
[30] FR (FR1909641) 2019-09-02

[21] **3,153,042**
[13] A1

[51] **Int.Cl. A63B 21/005 (2006.01) A63B**
21/06 (2006.01) A63B 22/00 (2006.01)
A63B 23/035 (2006.01) A63B 24/00
(2006.01)
[25] EN
[54] **FITNESS TRAINING APPARATUS**
AND SYSTEM
[54] **APPAREIL ET SYSTEME**
D'ENTRAINEMENT DE
CONDITION PHYSIQUE
[72] GREGORY, JONATHAN CHARLES,
AU
[71] VITRUVIAN INVESTMENTS PTY
LTD, AU
[85] 2022-03-02
[86] 2020-09-09 (PCT/AU2020/050950)
[87] (WO2021/046596)
[30] AU (2019903351) 2019-09-10

[21] **3,153,043**
[13] A1

[51] **Int.Cl. B65G 65/23 (2006.01) H01L**
21/67 (2006.01) H01L 21/673
(2006.01) H01L 21/677 (2006.01)
H01L 21/68 (2006.01) H01L 21/683
(2006.01) H01L 21/687 (2006.01)
[25] EN
[54] **TRAY EXCHANGE AND**
DISPOSITIONING SYSTEMS,
METHODS, AND APPARATUSSES
[54] **SYSTEMES, PROCEDES ET**
APPAREILS DE DISPOSITION ET
D'ECHANGE DE PLATEAUX
[72] MILLER, ADAM QUINN, US
[72] TIPTON, THOMAS WAYNE, US
[72] BATTEN, ROBERT D., US
[72] BAKER, MARK LAURIN, US
[72] GAROUTTE, ROY DANIEL, US
[71] DWFRITZ AUTOMATION, INC., US
[85] 2022-03-01
[86] 2020-09-03 (PCT/US2020/049265)
[87] (WO2021/046264)
[30] US (62/895,345) 2019-09-03

[21] **3,153,044**
[13] A1

[51] **Int.Cl. B29C 65/08 (2006.01) H01R**
13/504 (2006.01) H01R 13/516
(2006.01) H01R 13/52 (2006.01) H01R
13/74 (2006.01)
[25] EN
[54] **ELECTRICAL PLUG**
CONNECTOR
[54] **CONNECTEUR ELECTRIQUE**
[72] JUTZ, BERNHARD, AT
[71] NEUTRIK AG, LI
[85] 2022-03-02
[86] 2020-09-11 (PCT/EP2020/025412)
[87] (WO2021/052625)
[30] AT (A50805/2019) 2019-09-17

[21] **3,153,045**
[13] A1

[51] **Int.Cl. G06F 13/42 (2006.01) B41J**
2/175 (2006.01)
[25] EN
[54] **LOGIC CIRCUITRY**
[54] **CIRCUIT LOGIQUE**
[72] PANSWIN, STEPHEN D., US
[72] LINN, SCOTT A., US
[71] HEWLETT-PACKARD
DEVELOPMENT COMPANY, L.P.,
US
[85] 2022-03-01
[86] 2019-02-11 (PCT/US2019/017511)
[87] (WO2020/117297)
[30] US (PCT/US2018/063633) 2018-12-03

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[21] **3,153,046**
[13] A1

[51] **Int.Cl. A23L 33/00 (2016.01) A23L 33/115 (2016.01) A23L 33/125 (2016.01) A23L 33/17 (2016.01) A23L 33/175 (2016.01) A23L 33/18 (2016.01) A23C 9/152 (2006.01)**

[25] EN
[54] **INFANT FORMULA PREPARATION POUR NOURRISSONS**

[72] KUSLYS, MARTINAS JURGIS, CH
[72] HEINE, RALF, GUNTER, DE
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-03-02
[86] 2020-10-16 (PCT/EP2020/079206)
[87] (WO2021/074375)
[30] EP (19203860.2) 2019-10-17

[21] **3,153,048**
[13] A1

[51] **Int.Cl. G06F 13/38 (2006.01)**

[25] EN
[54] **PROTECTED POWER AND DATA BUS CONNECTION OF PERIPHERAL DEVICE AND HOST DEVICE**

[54] **CONNEXION PROTEGEE D'UN BUS DE PUISSANCE ET DE DONNEES D'UN DISPOSITIF PERIPHERIQUE ET D'UN DISPOSITIF HOTE**

[72] TRAINOR, JOHN J., US
[72] TAYLOR, RUSSELL JOHN, US
[71] HITACHI ENERGY SWITZERLAND AG, CH
[85] 2022-03-02
[86] 2021-03-23 (PCT/EP2021/057492)
[87] (WO2021/191238)
[30] US (16/828,065) 2020-03-24

[21] **3,153,051**
[13] A1

[51] **Int.Cl. C08L 101/12 (2006.01) B27N 1/02 (2006.01) C08J 3/18 (2006.01) C08K 3/22 (2006.01) C08K 5/053 (2006.01) C08L 3/02 (2006.01) C08L 89/00 (2006.01)**

[25] EN
[54] **COMPOSITION COMPRISING GROUND PLANT SEED, PROTEIN ISOLATE, STARCH OR A MIXTURE THEREOF, METAL OXIDE AND PLASTICIZER**

[54] **COMPOSITION COMPRENANT UNE GRAINE DE PLANTE BROYEE, UN ISOLAT DE PROTEINE, DE L'AMIDON OU UN MELANGE DE CEUX-CI, OXYDE METALLIQUE ET PLASTIFIANT**

[72] MANGEON PASTORI, CARINE, FR
[72] FLORES, FABRICE, FR
[71] EVERTREE, FR
[85] 2022-03-01
[86] 2020-10-29 (PCT/EP2020/080448)
[87] (WO2021/084031)
[30] EP (19306410.2) 2019-10-29
[30] EP (20305236.0) 2020-03-05

[21] **3,153,053**
[13] A1

[51] **Int.Cl. B62D 25/20 (2006.01) B21D 22/02 (2006.01) B21D 35/00 (2006.01) B21D 53/88 (2006.01) B62D 29/00 (2006.01)**

[25] EN
[54] **VEHICLE FLOOR AND CORRESPONDING PRODUCTION METHOD**

[54] **PLANCHER DE VEHICULE ET PROCEDE DE PRODUCTION CORRESPONDANT**

[72] MARQUEZ DURAN, SERGI, ES
[72] HERRANZ TOMAS, JORDI, ES
[72] LINARES CAYERO, GUILLERMO, ES
[71] AUTOTECH ENGINEERING, S.L., ES
[85] 2022-03-02
[86] 2020-11-11 (PCT/EP2020/081809)
[87] (WO2021/094405)
[30] EP (19382991.8) 2019-11-12

[21] **3,153,058**
[13] A1

[51] **Int.Cl. B65B 11/02 (2006.01) B65B 11/04 (2006.01)**

[25] EN
[54] **WRAPPING HEAD FOR WRAPPING LOADS, PARTICULARLY PALLETIZED LOADS, AND METHOD OF OPERATION THEREOF**

[54] **TETE D'EMBALLAGE POUR L'EMBALLAGE DE CHARGES, EN PARTICULIER DE CHARGES PALETTISEES, ET SON PROCEDE DE FONCTIONNEMENT**

[72] BALZANI, DAVIDE, IT
[71] E80 GROUP S.P.A., IT
[85] 2022-03-02
[86] 2020-09-04 (PCT/IB2020/058261)
[87] (WO2021/044368)
[30] IT (102019000015842) 2019-09-06

[21] **3,153,061**
[13] A1

[51] **Int.Cl. B65D 90/22 (2006.01) G01N 17/00 (2006.01)**

[25] EN
[54] **WALL AND METHOD OF FABRICATING SUCH WALL**

[54] **PAROI ET PROCEDE DE FABRICATION D'UNE TELLE PAROI**

[72] HARITOU, CHRISTOS, GB
[72] FADA, ALAN, GB
[71] HARITOU, CHRISTOS, GB
[71] FADA, ALAN, GB
[85] 2022-03-01
[86] 2020-09-07 (PCT/GB2020/052145)
[87] (WO2021/044174)
[30] GB (PCT/GB2019/052471) 2019-09-05
[30] GB (1913737.1) 2019-09-24

PCT Applications Entering the National Phase

[21] **3,153,063**
[13] A1

[51] **Int.Cl. A61K 35/17 (2015.01) A61K 48/00 (2006.01) C07K 14/55 (2006.01) C12N 15/86 (2006.01)**

[25] EN
[54] **NOVEL METHOD**
[54] **NOUVELLE METHODE**
[72] HOLT, MATTHEW, GB
[72] LISTON, ADRIAN, GB
[72] DOOLEY, JAMES, GB
[71] BABRAHAM INSTITUTE, GB
[71] VIB VZW, BE
[71] KATHOLIEKE UNIVERSITEIT LEUVEN, K.U. LEUVEN R&D, BE

[85] 2022-03-01
[86] 2020-09-07 (PCT/GB2020/052148)
[87] (WO2021/044175)
[30] GB (1912863.6) 2019-09-06

[21] **3,153,067**
[13] A1

[51] **Int.Cl. G06T 5/00 (2006.01)**

[25] EN
[54] **PICTURE-DETECTING METHOD AND APPARATUS**
[54] **PROCEDE ET DISPOSITIF DE TEST D'IMAGE**
[72] MU, CHONG, CN
[72] ZHOU, XUYANG, CN
[72] LIU, ERLONG, CN
[72] HAN, MINGXIU, CN
[71] 10353744 CANADA LTD., CA

[85] 2022-03-02
[86] 2020-06-24 (PCT/CN2020/097857)
[87] (WO2021/042823)
[30] CN (201910826006.7) 2019-09-02

[21] **3,153,068**
[13] A1

[51] **Int.Cl. B23Q 7/14 (2006.01) B23Q 1/00 (2006.01)**

[25] EN
[54] **DEVICE FOR SWIVELLING, TURNING AND CHANGING WORKPIECE PALLETS ON A HORIZONTAL MACHINING CENTER, AS WELL AS PALLET CARRIERS**
[54] **APPAREIL POUR FAIRE PIVOTER, TOURNER ET CHANGER DES PALETTES DE PIECE A TRAVAILLER SUR UN CENTRE DE TRAITEMENT HORIZONTAL, ET PORTE-PALETTE**
[72] BADER, SIMON, DE
[71] BAVIUS TECHNOLOGIE GMBH, DE

[85] 2022-03-02
[86] 2020-08-10 (PCT/EP2020/072338)
[87] (WO2021/047837)
[30] DE (10 2019 213 871.3) 2019-09-11

[21] **3,153,069**
[13] A1

[51] **Int.Cl. A61K 47/68 (2017.01) A61K 31/5517 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**

[25] EN
[54] **ANTIBODY-DRUG CONJUGATE COMPRISING ANTIBODY AGAINST HUMAN ROR1, AND USE FOR THE SAME**
[54] **CONJUGUE ANTICORPS-MEDICAMENT COMPRENANT UN ANTICORPS CONTRE LE ROR1 HUMAIN, ET SON UTILISATION**
[72] PARK, YUN HEE, KR
[72] SONG, HO YOUNG, KR
[72] RYU, HYUN MIN, KR
[72] KIM, SUNG MIN, KR
[72] BAEK, JU YUEL, KR
[72] OH, JI HYE, KR
[72] HAN, NARA, KR
[72] KIM, HYOUNG RAE, KR
[72] PARK, KYUNG EUN, KR
[72] LEE, HYEUN JOUNG, KR
[72] LEE, JU YOUNG, KR
[72] KANG, DAE HYUCK, KR
[72] YANG, YOUNG-JAE, KR
[72] YOU, JI-NA, KR
[72] KIM, YONG ZU, KR
[72] LEE, CHANG SUN, KR
[72] CHAE, JEIWOOK, KR
[72] JUNG, JINWON, KR
[72] KIM, JUHEE, KR
[72] LEE, BORA, KR
[72] SONG, DAEHAE, KR
[72] SUNG, BYUNGJE, KR
[72] YEOM, DONGHOON, KR
[72] EOM, JAEHYUN, KR
[72] HONG, YOUNGEUN, KR
[72] AHN, JINHYUNG, KR
[72] LEE, YANGSOON, KR
[72] PARK, KYUNGJIN, KR
[72] YOO, JISEON, KR
[72] PARK, MINJI, KR
[71] LEGOCHEM BIOSCIENCES, INC., KR
[71] ABL BIO, INC., KR

[85] 2022-03-01
[86] 2020-07-27 (PCT/IB2020/000649)
[87] (WO2021/044208)
[30] KR (10-2019-0109807) 2019-09-04
[30] KR (10-2020-0041527) 2020-04-06

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<p style="text-align: center;">[21] 3,153,071 [13] A1</p> <p>[51] Int.Cl. B01L 3/00 (2006.01) C12Q 1/6813 (2018.01) C12Q 1/6844 (2018.01) C12Q 1/6876 (2018.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS, METHODS, AND COMPOSITIONS FOR THE RAPID EARLY-DETECTION OF HOST RNA BIOMARKERS OF INFECTION AND EARLY IDENTIFICATION OF COVID-19 CORONAVIRUS INFECTION IN HUMANS</p> <p>[54] SYSTEMES, METHODES ET COMPOSITIONS POUR LA DETECTION PRECOCE RAPIDE DE BIOMARQUEURS D'ARN HOTE D'INFECTION ET L'IDENTIFICATION PRECOCE D'UNE INFECTION A CORONAVIRUS COVID-19 CHEZ LES ETRES HUMAINS</p> <p>[72] SAWYER, SARA L., US</p> <p>[72] MEYERSON, NICHOLAS R., US</p> <p>[72] PAIGE, CAMILE L., US</p> <p>[72] YANG, QING, US</p> <p>[72] DOWELL, ROBIN, US</p> <p>[71] THE REGENTS OF THE UNIVERSITY OF COLORADO A BODY CORPORATE, US</p> <p>[71] SAWYER, SARA L., US</p> <p>[85] 2022-03-01</p> <p>[86] 2020-09-03 (PCT/US2020/049290)</p> <p>[87] (WO2021/046278)</p> <p>[30] US (62/895,387) 2019-09-03</p> <p>[30] US (62/934,754) 2019-11-13</p> <p>[30] US (63/006,570) 2020-04-07</p>	<p style="text-align: center;">[21] 3,153,076 [13] A1</p> <p>[51] Int.Cl. A61K 31/519 (2006.01)</p> <p>[25] EN</p> <p>[54] RUXOLITINIB FORMULATION FOR REDUCTION OF ITCH IN ATOPIC DERMATITIS</p> <p>[54] FORMULATION DE RUXOLITINIB POUR LA REDUCTION DES DEMANGEAISONS DANS LA DERMATITE ATOPIQUE</p> <p>[72] KULIGOWSKI, MICHAEL, US</p> <p>[72] SUN, KANG, US</p> <p>[72] HOWELL, MICHAEL, US</p> <p>[72] VENTURANZA, MAY GRACE E., US</p> <p>[72] LEE, JIM, US</p> <p>[71] INCYTE CORPORATION, US</p> <p>[85] 2022-03-01</p> <p>[86] 2020-09-04 (PCT/US2020/049404)</p> <p>[87] (WO2021/046350)</p> <p>[30] US (62/896,421) 2019-09-05</p> <p>[30] US (62/897,059) 2019-09-06</p> <p>[30] US (62/898,873) 2019-09-11</p> <p>[30] US (62/983,252) 2020-02-28</p> <p>[30] US (63/020,668) 2020-05-06</p>	<p style="text-align: center;">[21] 3,153,079 [13] A1</p> <p>[51] Int.Cl. A01K 14/00 (2006.01) A01K 43/00 (2006.01) A01K 45/00 (2006.01)</p> <p>[25] EN</p> <p>[54] NOVEL COMPOSITIONS FOR DISRUPTING BIOFILMS</p> <p>[54] NOUVELLES COMPOSITIONS DE RUPTURE DE BIOFILMS</p> <p>[72] SEN, CHANDAN K., US</p> <p>[72] GHATAK, SUBHADIP, US</p> <p>[71] THE TRUSTEES OF INDIANA UNIVERSITY, US</p> <p>[85] 2022-03-01</p> <p>[86] 2020-09-04 (PCT/US2020/049433)</p> <p>[87] (WO2021/046369)</p> <p>[30] US (62/896,767) 2019-09-06</p> <p>[30] US (62/898,205) 2019-09-10</p>
	<p style="text-align: center;">[21] 3,153,077 [13] A1</p> <p>[51] Int.Cl. A23L 33/00 (2016.01) A23L 33/115 (2016.01) A23L 33/18 (2016.01)</p> <p>[25] EN</p> <p>[54] EXTENSIVELY HYDROLYSED INFANT FORMULA</p> <p>[54] ALIMENT POUR NOURRISSONS LARGEMENT HYDROLYSE</p> <p>[72] KUSLYS, MARTINAS JURGIS, CH</p> <p>[72] STEENHOUT, PHILIPPE, CH</p> <p>[72] JARVI, ANETTE, CH</p> <p>[72] ACKERMANN, EVA, CH</p> <p>[71] SOCIETE DES PRODUITS NESTLE S.A., CH</p> <p>[85] 2022-03-02</p> <p>[86] 2020-10-16 (PCT/EP2020/079205)</p> <p>[87] (WO2021/074374)</p> <p>[30] EP (19203863.6) 2019-10-17</p>	<p style="text-align: center;">[21] 3,153,084 [13] A1</p> <p>[51] Int.Cl. H04W 8/00 (2009.01)</p> <p>[25] EN</p> <p>[54] MESSAGE TRANSMISSION METHOD AND TERMINAL</p> <p>[54] PROCEDE ET TERMINAL DE TRANSMISSION DE MESSAGE</p> <p>[72] LIANG, JING, CN</p> <p>[71] VIVO MOBILE COMMUNICATION CO., LTD., CN</p> <p>[85] 2022-03-02</p> <p>[86] 2020-09-04 (PCT/CN2020/113551)</p> <p>[87] (WO2021/043276)</p> <p>[30] CN (201910843890.5) 2019-09-06</p>

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[21] **3,153,085**
[13] A1

[51] **Int.Cl. C07K 16/46 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **ANTIBODIES BINDING TO CD3 AND CD19**

[54] **ANTICORPS SE LIANT A CD3 ET CD19**

[72] FREIMOSER-GRUNDSCHOBER, ANNE, CH

[72] GONZALEZ NICOLINI, MARIA VALERIA, CH

[72] HOSSE, RALF, CH

[72] KLEIN, CHRISTIAN, CH

[72] KNAUPP, ALEXANDER, DE

[72] MOESSNER, EKKEHARD, CH

[72] RICHTER, WOLFGANG, CH

[72] TROCHANOWSKA, HALINA, CH

[72] UMANA, PABLO, CH

[72] WALDHAUER, INJA, CH

[71] F. HOFFMANN-LA ROCHE AG, CH

[85] 2022-03-02

[86] 2021-06-17 (PCT/EP2021/066366)

[87] (WO2021/255155)

[30] EP (20181056.1) 2020-06-19

[21] **3,153,091**
[13] A1

[51] **Int.Cl. A61B 5/107 (2006.01) A61B 5/01 (2006.01) A61F 5/01 (2006.01) A61B 5/00 (2006.01)**

[25] EN

[54] **PRODUCT FOR GENERATING A THREE-DIMENSIONAL SHAPE AND ITS USE IN THE FABRICATION OF CUSTOM ORTHOSIS**

[54] **PRODUIT DE GENERATION D'UNE FORME TRIDIMENSIONNELLE ET SON UTILISATION DANS LA FABRICATION D'UNE ORTHESE PERSONNALISEE**

[72] PORTER, STEPHEN, GB

[72] MUNZENRIEDER, NIKO, GB

[72] ROGGEN, DANIEL, GB

[72] LUGODA, PASINDU, GB

[72] GARCIA-GARCIA, LEONARDO, GB

[72] COSTA, JULIO, GB

[71] JOHN FLORENCE LIMITED, GB

[71] THE UNIVERSITY OF SUSSEX, GB

[85] 2022-03-02

[86] 2020-09-09 (PCT/GB2020/052160)

[87] (WO2021/048538)

[30] GB (1913032.7) 2019-09-10

[21] **3,153,093**
[13] A1

[51] **Int.Cl. H04R 1/10 (2006.01)**

[25] EN

[54] **ACOUSTIC OUTPUT DEVICE**

[54] **DISPOSITIF DE SORTIE ACOUSTIQUE**

[72] FU, JUNJIANG, CN

[72] ZHANG, LEI, CN

[72] QI, XIN, CN

[72] LIAO, FENGYUN, CN

[71] SHENZHEN SHOKZ CO., LTD., CN

[85] 2022-03-02

[86] 2020-09-18 (PCT/CN2020/116319)

[87] (WO2021/052485)

[30] CN (201910888067.6) 2019-09-19

[30] CN (201910888762.2) 2019-09-19

[21] **3,153,094**
[13] A1

[51] **Int.Cl. B25J 15/12 (2006.01) B25J 9/00 (2006.01)**

[25] EN

[54] **ADAPTIVE GRIPPER FINGER, GRIPPER DEVICE AND METHOD OF USING ADAPTIVE GRIPPER DEVICE**

[54] **DOIGT PREHENSEUR ADAPTATIF, DISPOSITIF PREHENSEUR ET PROCEDE D'UTILISATION D'UN DISPOSITIF PREHENSEUR ADAPTATIF**

[72] MILOJEVIC, ANDRIJA, FI

[72] LINSS, SEBASTIAN, DE

[72] HANDROOS, HEIKKI, FI

[71] THE HUMAN TOUCH ROBOTICS OY, FI

[85] 2022-03-02

[86] 2020-08-31 (PCT/FI2020/050564)

[87] (WO2021/044079)

[30] FI (20195724) 2019-09-02

[21] **3,153,099**
[13] A1

[51] **Int.Cl. A61K 9/08 (2006.01) A61K 9/14 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 31/137 (2006.01) A61K 31/335 (2006.01) A61K 31/407 (2006.01) A61K 31/451 (2006.01) A61K 31/4535 (2006.01) A61K 31/519 (2006.01) A61K 31/5415 (2006.01) A61K 31/55 (2006.01) A61K 31/5513 (2006.01) A61K 31/554 (2006.01) A61P 25/08 (2006.01)**

[25] EN

[54] **METHODS OF TREATING EPILEPTIC PATIENTS WITH FENFLURAMINE**

[54] **METHODES DE TRAITEMENT DE PATIENTS EPILEPTIQUES A L'AIDE DE FENFLURAMINE**

[72] REEDER, THADD, GB

[72] MORRISON, GLENN, GB

[72] FARFEL, GAIL M., GB

[72] MARTIN, PARTHENA M., GB

[71] ZOGENIX INTERNATIONAL LIMITED, GB

[85] 2022-03-02

[86] 2020-09-17 (PCT/IB2020/000748)

[87] (WO2021/053389)

[30] US (62/901,514) 2019-09-17

[30] US (63/044,932) 2020-06-26

[21] **3,153,101**
[13] A1

[51] **Int.Cl. A61J 3/07 (2006.01)**

[25] EN

[54] **PLUNGER FOR A SYRINGE-TYPE PUMP FOR A MACHINE FOR ENCAPSULATION OF SOFT CAPSULES, AND SYRINGE-TYPE PUMP COMPRISING ONE OR MORE OF SAID PLUNGERS**

[54] **PISTON POUR UNE POMPE DE TYPE SERINGUE POUR UNE MACHINE D'ENCAPSULATION DE CAPSULES MOLLES, ET POMPE DE TYPE SERINGUE COMPRENANT UN OU PLUSIEURS DESDITS PISTONS**

[72] D'ANGELO, GIOVANNI, CH

[72] PONTIGGIA, MARCO, CH

[72] CARUCCI, SIMONE, CH

[72] RUSSO, PAOLO, CH

[71] ALTERGON SA, CH

[85] 2022-03-02

[86] 2020-09-22 (PCT/IB2020/058816)

[87] (WO2021/059117)

[30] IT (102019000016925) 2019-09-23

Demandes PCT entrant en phase nationale

[21] **3,153,103**
[13] A1

[51] **Int.Cl. A61K 8/64 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **PERSONAL DENTAL CARE PRODUCT FOR PREVENTING DEMINERALISATION**
[54] **PRODUIT DE SOINS DENTAIRE PERSONNELS PERMETTANT DE PREVENIR LA DEMINERALISATION**
[72] HUG, MICHAEL, CH
[72] LYSEK, DOMINIKUS AMADEUS, CH
[71] CREDENTIS AG, CH
[85] 2022-03-02
[86] 2020-12-04 (PCT/EP2020/084650)
[87] (WO2021/110923)
[30] EP (19213470.8) 2019-12-04

[21] **3,153,105**
[13] A1

[51] **Int.Cl. A45C 7/00 (2006.01)**
[25] EN
[54] **FOLDABLE SUITCASE**
[54] **VALISE PLIABLE**
[72] FRAIMAN, ZVIKA, IL
[72] HOROVITZ, NADIN DANIEL, IL
[72] SCHNITZER, ORIT, IL
[72] AZOULAY, EYAL, IL
[71] ROLLINK SMART PRODUCTS LTD, IL
[85] 2022-03-02
[86] 2020-09-09 (PCT/IL2020/050980)
[87] (WO2021/048843)
[30] IL (269221) 2019-09-09

[21] **3,153,106**
[13] A1

[51] **Int.Cl. B01J 23/75 (2006.01) B01J 35/00 (2006.01) B01J 35/10 (2006.01) B01J 37/00 (2006.01) B01J 37/02 (2006.01) B01J 37/08 (2006.01) C10G 2/00 (2006.01)**
[25] EN
[54] **MESOPOROUS CARBON MATERIAL LOADED COBALT-BASED CATALYST AND PREPARATION METHOD THEREFOR**
[54] **CATALYSEUR A BASE DE COBALT CHARGE DE MATERIAU DE CARBONE MESOPOREUX ET SON PROCEDE DE PREPARATION**
[72] BAI, JIRONG, CN
[72] WANG, ZHILEI, CN
[72] XU, PENG, CN
[72] DENG, YAOYAO, CN
[72] ZHOU, QUANFA, CN
[71] CHANGZHOU INSTITUTE OF TECHNOLOGY, CN
[85] 2022-03-02
[86] 2020-12-09 (PCT/CN2020/134712)
[87] (WO2021/121088)
[30] CN (201911322315.7) 2019-12-20

[21] **3,153,107**
[13] A1

[51] **Int.Cl. B23Q 7/14 (2006.01) B23Q 7/10 (2006.01) B65G 1/04 (2006.01)**
[25] EN
[54] **CELL AND METHOD FOR OPERATING A CELL OF AT LEAST TWO LINKED HORIZONTAL MACHINING CENTERS**
[54] **CELLULE ET PROCEDE DE FONCTIONNEMENT D'UNE CELLULE COMPOSEE D'AU MOINS DEUX CENTRES DE TRAITEMENT HORIZONTALS RELIES ENTRE EUX**
[72] ZELL, WERNER, DE
[71] BAVIUS TECHNOLOGIE GMBH, DE
[85] 2022-03-02
[86] 2020-08-10 (PCT/EP2020/072339)
[87] (WO2021/047838)
[30] DE (10 2019 213 872.1) 2019-09-11

[21] **3,153,109**
[13] A1

[51] **Int.Cl. B65G 1/137 (2006.01) G06Q 10/08 (2012.01) B65G 17/20 (2006.01) B65G 17/48 (2006.01) E04H 14/00 (2006.01)**
[25] EN
[54] **ORDER DELIVERY SYSTEM AND METHOD**
[54] **SYSTEME DE REMISE D'UNE COMMANDE ET PROCEDE CORRESPONDANT**
[72] MOULIN, ROMAIN, FR
[72] HEITZ, RENAUD, FR
[72] BAULARD, GILLES, FR
[71] EXOTEC, FR
[85] 2022-03-02
[86] 2020-09-02 (PCT/EP2020/074489)
[87] (WO2021/043837)
[30] FR (FR1909641) 2019-09-02
[30] FR (FR1912642) 2019-11-12

[21] **3,153,110**
[13] A1

[51] **Int.Cl. C12N 9/04 (2006.01) C12N 15/77 (2006.01) C12P 13/04 (2006.01)**
[25] EN
[54] **NOVEL PROMOTER AND METHOD FOR PRODUCING DESIRED SUBSTANCE USING SAME**
[54] **NOUVEAU PROMOTEUR ET PROCEDE DE PRODUCTION D'UNE SUBSTANCE SOUHAITEE L'UTILISANT**
[72] YOON, BYOUNG HOON, KR
[72] CHANG, JIN SOOK, KR
[72] KIM, SEON HYE, KR
[72] LEE, JI HYE, KR
[72] CHOI, SUN HYOUNG, KR
[72] KIM, KYUNGRIM, KR
[72] KIM, HYUNG JOON, KR
[71] CJ CHEILJEDANG CORPORATION, KR
[85] 2022-03-02
[86] 2020-09-01 (PCT/KR2020/011679)
[87] (WO2021/045472)
[30] KR (10-2019-0108263) 2019-09-02

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[21] **3,153,111**
[13] A1

[51] **Int.Cl. A61K 6/60 (2020.01) A61K 6/20 (2020.01) A61K 6/30 (2020.01) A61K 6/40 (2020.01) A61K 6/54 (2020.01) A61K 6/62 (2020.01) A61K 6/887 (2020.01)**

[25] EN
[54] **DENTAL COMPOSITION**
[54] **COMPOSITION DENTAIRE**
[72] KLEE, JOACHIM E., DE
[72] SZILLAT, FLORIAN, DE
[72] LALEVEE, JACQUES, FR
[72] KIRSCHNER, JULIE, FR
[72] MORLET-SCARY, FABRICE, FR
[71] DENTSPLY SIRONA INC., US
[71] DENTSPLY DE TREY GMBH, DE
[85] 2022-03-02
[86] 2020-09-10 (PCT/EP2020/075397)
[87] (WO2021/048313)
[30] EP (19197251.2) 2019-09-13

[21] **3,153,112**
[13] A1

[51] **Int.Cl. E04F 15/02 (2006.01) E04C 2/40 (2006.01)**

[25] EN
[54] **SET OF PANELS WITH MECHANICALLY LOCKING EDGES**
[54] **ENSEMBLE DE PANNEAUX DOTES DE BORDS DE VERROUILLAGE MECANIQUE**
[72] NILSSON, ANDERS, SE
[72] QUIST, KARL, SE
[72] YLIKANGAS, ROGER, SE
[72] BOO, FREDRIK, SE
[71] VALINGE INNOVATION AB, SE
[85] 2022-03-02
[86] 2020-09-23 (PCT/EP2020/076547)
[87] (WO2021/058551)
[30] EP (19199250.2) 2019-09-24

[21] **3,153,113**
[13] A1

[51] **Int.Cl. F16B 37/04 (2006.01) E04B 1/18 (2006.01) E04B 1/41 (2006.01) F16B 5/02 (2006.01) F16B 33/02 (2006.01) F16B 35/04 (2006.01)**

[25] EN
[54] **PRESS-FIT NUT FOR ASSEMBLY, PRESS-FIT NUT-BOLT ASSEMBLY, AND METHOD OF CONSTRUCTING STEEL-CONCRETE COMPOSITE STRUCTURE USING SAME**
[54] **ECROU A AJUSTEMENT SERRE POUR UN ENSEMBLE, ENSEMBLE BOULON-ECROU A AJUSTEMENT SERRE ET PROCEDE DE CONSTRUCTION D'UNE STRUCTURE COMPOSITE ACIER-BETON LES UTILISANT**
[72] KIM, DONG JOON, KR
[72] PARK, KOO YUN, KR
[72] JIN, JOO HO, KR
[72] SEO, HEE SUN, KR
[71] GAURIAN CORPORATION, KR
[85] 2022-03-02
[86] 2020-09-17 (PCT/KR2020/012570)
[87] (WO2021/054744)
[30] KR (10-2019-0113932) 2019-09-17
[30] KR (10-2019-0113933) 2019-09-17

[21] **3,153,115**
[13] A1

[51] **Int.Cl. A61K 31/519 (2006.01) A61P 11/00 (2006.01) C07D 495/04 (2006.01) C07D 495/14 (2006.01)**

[25] EN
[54] **THIENOPYRIMIDONES AS TRPA1 INHIBITORS**
[54] **THIENOPYRIMIDONES EN TANT QU'INHIBITEURS DE TRPA1**
[72] FLECK, MARTIN THOMAS, DE
[72] BINDER, FLORIAN PAUL CHRISTIAN, DE
[72] DAHMANN, GEORG, DE
[72] HEHN, JOERG P., DE
[72] HEIMANN, ANNEKATRIN CHARLOTTE, DE
[72] LESSEL, UTA FRIEDERIKE, DE
[72] WILLWACHER, JENS, DE
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2022-03-02
[86] 2020-10-14 (PCT/EP2020/078855)
[87] (WO2021/074197)
[30] EP (19203173.0) 2019-10-15

[21] **3,153,116**
[13] A1

[51] **Int.Cl. A23L 5/20 (2016.01) A23L 5/30 (2016.01) A23L 19/00 (2016.01) A23L 19/10 (2016.01) A23L 33/00 (2016.01) A23B 7/015 (2006.01) A23B 7/02 (2006.01) A23B 7/153 (2006.01)**

[25] EN
[54] **A METHOD OF PROCESSING SUGAR BEET AND ITS VARIETIES INTO A PRODUCT USABLE IN THE FOOD-PROCESSING INDUSTRY, THE PRODUCT OBTAINED IN THIS WAY AND FOOD CONTAINING THIS PRODUCT**
[54] **PROCEDE DE TRAITEMENT DE BETTERAVE SUCRIERE ET DE SES VARIETES POUR OBTENIR UN PRODUIT UTILISABLE DANS L'INDUSTRIE AGRO-ALIMENTAIRE, PRODUIT AINSI OBTENU ET ALIMENT CONTENANT CE P RODUIT**
[72] ZITNY, BORIS, SK
[71] ZITNY, BORIS, SK
[85] 2022-03-02
[86] 2020-09-02 (PCT/SK2020/050014)
[87] (WO2021/045695)
[30] SK (PCT/SK2019/050010) 2019-09-03
[30] SK (PP 50011-2020) 2020-03-04

[21] **3,153,117**
[13] A1

[51] **Int.Cl. E21D 9/12 (2006.01) E21F 13/02 (2006.01) E21F 13/04 (2006.01) E21F 13/06 (2006.01)**

[25] EN
[54] **MINING APPARATUS AND METHODS**
[54] **APPAREIL D'EXPLOITATION MINIERE ET PROCEDES**
[72] LOYER, HAROLD BERNARD, US
[72] STANFORD, FREDERICK MCLAE, CA
[71] TOREX GOLD RESOURCES INC., CA
[85] 2022-03-02
[86] 2019-09-03 (PCT/US2019/049307)
[87] (WO2021/045722)

Demandes PCT entrant en phase nationale

[21] **3,153,120**
[13] A1

[51] **Int.Cl. A61K 8/73 (2006.01) A61Q 1/00 (2006.01) C08B 5/14 (2006.01) D06M 13/256 (2006.01) D21H 11/20 (2006.01)**

[25] EN

[54] **SULFONATED FINE CELLULOSE FIBERS AND METHOD FOR PRODUCING SAME**

[54] **MICROFIBRES DE CELLULOSE SULFONEE ET PROCEDE DE PRODUCTION DESDITES MICROFIBRES**

[72] HIASA, SHOU, JP

[72] NISHIYAMA, SEIJI, JP

[71] MARUSUMI PAPER CO., LTD., JP

[85] 2022-03-02

[86] 2020-09-10 (PCT/JP2020/034293)

[87] (WO2021/049571)

[30] JP (2019-165599) 2019-09-11

[30] JP (2020-151595) 2020-09-09

[21] **3,153,123**
[13] A1

[51] **Int.Cl. A61B 34/10 (2016.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR TARGETED ALIGNMENT AND SAGITTAL PLANE POSITIONING FOR HIP REPLACEMENT SURGERY**

[54] **PROCEDES ET SYSTEMES D'ALIGNEMENT CIBLE ET DE POSITIONNEMENT DE PLAN SAGITTAL PENDANT UNE CHIRURGIE DE REMPLACEMENT DE LA HANCHE**

[72] BODNER, RUSSELL J., US

[71] BODNER, RUSSELL J., US

[85] 2022-03-02

[86] 2020-09-03 (PCT/US2020/049275)

[87] (WO2021/046268)

[30] US (62/895,085) 2019-09-03

[21] **3,153,125**
[13] A1

[51] **Int.Cl. F26B 17/20 (2006.01) F26B 23/06 (2006.01) F27B 9/06 (2006.01) F27B 9/24 (2006.01) F27B 9/36 (2006.01) F27D 3/08 (2006.01) F27D 11/02 (2006.01)**

[25] FR

[54] **DEVICE FOR HEAT TREATMENT OF A PRODUCT COMPRISING AT LEAST ONE HEATING ELEMENT AND CORRESPONDING METHOD**

[54] **DISPOSITIF DE TRAITEMENT THERMIQUE D'UN PRODUIT COMPRENANT AU MOINS UN ELEMENT CHAUFFANT ET PROCEDE CORRESPONDANT**

[72] LEPEZ, OLIVIER, FR

[72] SAJET, PHILIPPE, FR

[71] E.T.I.A. - EVALUATION TECHNOLOGIQUE, INGENIERIE ET APPLICATIONS, FR

[85] 2022-03-03

[86] 2020-06-23 (PCT/EP2020/067397)

[87] (WO2021/069111)

[30] FR (FR1911157) 2019-10-08

[21] **3,153,127**
[13] A1

[51] **Int.Cl. G01J 1/02 (2006.01) G01N 21/39 (2006.01) G01N 21/88 (2006.01) G01N 21/89 (2006.01)**

[25] EN

[54] **HIGH SPEED SCANNING SYSTEMS FOR SUPER RESOLUTION IMAGING**

[54] **SYSTEMES DE BALAYAGE A GRANDE VITESSE POUR IMAGERIE A SUPER-RESOLUTION**

[72] OWENS, WINDSOR, US

[72] STAKER, BRYAN, US

[72] HARTLAGE, ROBERT, US

[72] ZIZMINSKAS, EDVINAS, US

[72] HEILMAN, PAUL, US

[72] JAHNCKE, JIM, US

[71] APTON BIOSYSTEMS, INC., US

[85] 2022-03-02

[86] 2020-09-04 (PCT/US2020/049446)

[87] (WO2021/046378)

[30] US (62/896,541) 2019-09-05

[21] **3,153,131**
[13] A1

[51] **Int.Cl. A61C 13/00 (2006.01) G16H 30/40 (2018.01) A61C 9/00 (2006.01) G06N 3/02 (2006.01)**

[25] EN

[54] **AUTOMATED DETECTION, GENERATION AND/OR CORRECTION OF DENTAL FEATURES IN DIGITAL MODELS**

[54] **DETECTION, GENERATION ET/OU CORRECTION AUTOMATISEES DE CARACTERISTIQUES DENTAIREES DANS DES MODELES NUMERIQUES**

[72] MAKIEWSKY, IGOR, IL

[72] WEISS, ASSAF, IL

[72] VOLGIN, MAXIM, RU

[72] AGNIASHVILI, PAVEL, RU

[72] BROWN, CHAD CLAYTON, US

[72] RASKHODCHIKOV, ALEXANDER, RU

[72] KOPELMAN, AVI, US

[72] SABINA, MICHAEL, US

[72] BEN-DOV, MOTI, IL

[72] FARKASH, SHAI, IL

[72] MOSHE, MAAYAN, IL

[72] SAPHIER, OFER, IL

[71] ALIGN TECHNOLOGY, INC., US

[85] 2022-03-02

[86] 2020-09-04 (PCT/US2020/049523)

[87] (WO2021/046434)

[30] US (62/895,905) 2019-09-04

[30] US (17/011,930) 2020-09-03

[21] **3,153,134**
[13] A1

[51] **Int.Cl. A01N 1/02 (2006.01) A61J 1/00 (2006.01)**

[25] EN

[54] **ORGAN CONTAINER WITH OXYGENATION OPTION**

[54] **RECIPIENT D'ORGANE A OPTION D'OXYGENATION**

[72] DE MUYLDER, PETER, US

[72] KRAVITZ, DAVID, US

[72] STEINMAN, CHRISTOPHER P., US

[72] PETTINATO, DAVID, US

[72] THEUNIS, BERNARD, US

[71] LIFELINE SCIENTIFIC, INC., US

[85] 2022-03-02

[86] 2020-09-09 (PCT/US2020/049958)

[87] (WO2021/050557)

[30] US (62/900,131) 2019-09-13

PCT Applications Entering the National Phase

[21] **3,153,136**
[13] A1

[51] **Int.Cl. D21F 7/00 (2006.01) D03D 13/00 (2006.01) D03D 25/00 (2006.01) D21F 1/00 (2006.01) D21F 9/02 (2006.01)**

[25] EN

[54] **MULTI-LAYER WARP BOUND PAPERMAKER'S FORMING FABRICS**

[54] **TOILES DE FORMATION DE PAPETERIE LIEES A UNE CHAINE MULTICOUCHE**

[72] GLEICH, RENATE, DE

[71] HUYCK LICENSCO INC., US

[85] 2022-03-02

[86] 2020-09-15 (PCT/US2020/050849)

[87] (WO2021/055340)

[30] US (62/901,937) 2019-09-18

[21] **3,153,139**
[13] A1

[51] **Int.Cl. A61N 1/18 (2006.01) H01B 11/02 (2006.01) H01B 11/18 (2006.01) H03K 3/00 (2006.01) H03K 3/017 (2006.01) H03K 3/02 (2006.01) H03K 3/64 (2006.01)**

[25] EN

[54] **APPARATUSES AND METHODS FOR LIMITING LOAD CURRENT IN NANOSECOND PULSED POWER SOURCES**

[54] **APPAREILS ET PROCEDES POUR LIMITER LE COURANT DE CHARGE DANS DES SOURCES D'ENERGIE PULSEE NANOSECONDE**

[72] HUANG, CHAOFENG, US

[72] SCHAADT, GREGORY P., US

[72] KRIEG, KENNETH R., US

[71] PULSE BIOSCIENCES, INC., US

[85] 2022-03-02

[86] 2020-09-29 (PCT/US2020/053248)

[87] (WO2021/067255)

[30] US (62/909,187) 2019-10-01

[21] **3,153,141**
[13] A1

[51] **Int.Cl. C12N 15/85 (2006.01) C12Q 1/6897 (2018.01) A01K 67/027 (2006.01) C07K 14/47 (2006.01) C12N 15/10 (2006.01) C12N 15/12 (2006.01) C12N 15/90 (2006.01) C12Q 1/00 (2006.01)**

[25] EN

[54] **A CRNN LOSS OF FUNCTION RODENT MODEL**

[54] **MODELE DE RONGEUR A PERTE DE FONCTION CRNN**

[72] GONZAGA-JAUREGUI, CLAUDIA, US

[72] HAXHINASTO, SOKOL, US

[72] HOVHANNISYAN, ZARUHI, US

[72] PRAVEEN, KAVITA, US

[71] REGENERON PHARMACEUTICALS, INC., US

[85] 2022-03-02

[86] 2020-10-02 (PCT/US2020/053994)

[87] (WO2021/067740)

[30] US (62/909,982) 2019-10-03

[21] **3,153,146**
[13] A1

[51] **Int.Cl. G06N 3/08 (2006.01) G06V 30/10 (2022.01) G06N 3/04 (2006.01)**

[25] EN

[54] **ADVERSARIAL NETWORK FOR TRANSFORMING HANDWRITTEN TEXT**

[54] **RESEAU ADVERSE POUR LA TRANSFORMATION DE TEXTE MANUSCRIT**

[72] KARIMI, MOSTAFA, US

[72] VENI, GOPALKRISHNA BALKRISHNA, US

[72] YU, YEN-YUN, US

[71] ANCESTRY.COM OPERATIONS INC., US

[85] 2022-03-02

[86] 2020-10-08 (PCT/US2020/054713)

[87] (WO2021/072029)

[30] US (62/912,833) 2019-10-09

[21] **3,153,150**
[13] A1

[51] **Int.Cl. E01F 15/04 (2006.01) E01F 15/14 (2006.01)**

[25] EN

[54] **CRASH IMPACT ATTENUATOR SYSTEMS AND METHODS**

[54] **SYSTEMES ET PROCEDES D'ATTENUATEUR D'IMPACT DE COLLISION**

[72] MAUS, GEOFFREY B., US

[72] ALMANZA, FELIPE, US

[72] KULP, JACK H., US

[71] TRAFFIX DEVICES, INC., US

[85] 2022-03-02

[86] 2020-10-15 (PCT/US2020/055797)

[87] (WO2021/076767)

[30] US (62/915,592) 2019-10-15

[30] US (63/054,911) 2020-07-22

[21] **3,153,153**
[13] A1

[51] **Int.Cl. G01V 1/48 (2006.01) G06N 3/02 (2006.01)**

[25] EN

[54] **UNSUPERVISED WELL LOG RECONSTRUCTION AND OUTLIER DETECTION**

[54] **RECONSTRUCTION DE DIAGRAPHIE DE PUIT ET DETECTION DE VALEURS ABERRANTES NON SUPERVISEES**

[72] CHEN, XIAOLI, US

[72] MANIAR, HIREN, US

[72] ABUBAKAR, ARIA, US

[71] SCHLUMBERGER CANADA LIMITED, CA

[85] 2022-03-02

[86] 2020-09-03 (PCT/US2020/070494)

[87] (WO2021/046576)

[30] US (62/897,088) 2019-09-06

Demandes PCT entrant en phase nationale

[21] **3,153,155**
[13] A1

[51] **Int.Cl. A47F 10/00 (2006.01) A21B 7/00 (2006.01) A21C 14/00 (2006.01) A47F 3/02 (2006.01) A47F 7/00 (2006.01) G07F 17/00 (2006.01)**

[25] EN
[54] **BAKED PRODUCT KIOSK**
[54] **KIOSQUE DE PRODUITS CUIITS**
[72] BRANDAUER, PAUL WILBUR HEISEY, US
[72] WILKINSON, ERIC JAMES, US
[72] WILKINSON, RANDALL EUGENE, US
[72] WILKINSON, DENVER ALLAN, US
[72] WILKINSON, RONALD JAY, US
[72] MANN, THOMAS RICHARD, US
[71] THE WILKINSON GROUP LLC, US
[85] 2022-03-02
[86] 2020-09-04 (PCT/US2020/070505)
[87] (WO2021/046584)
[30] US (62/896,570) 2019-09-05

[21] **3,153,166**
[13] A1

[51] **Int.Cl. C07D 249/04 (2006.01) C05G 3/90 (2020.01) C05C 1/02 (2006.01) C05C 3/00 (2006.01) C05C 9/00 (2006.01) C07D 403/06 (2006.01)**

[25] EN
[54] **NITRIFICATION INHIBITORS**
[54] **INHIBITEURS DE NITRIFICATION**
[72] TAGGERT, BETHANY ISABEL, AU
[72] WILLE, UTA, AU
[72] CHEN, DELI, AU
[71] THE UNIVERSITY OF MELBOURNE, AU
[85] 2022-03-03
[86] 2020-09-04 (PCT/AU2020/050929)
[87] (WO2021/042169)
[30] AU (2019903269) 2019-09-05

[21] **3,153,167**
[13] A1

[51] **Int.Cl. G01N 21/25 (2006.01) G01N 21/359 (2014.01) A61B 5/1455 (2006.01) A61B 6/00 (2006.01)**

[25] EN
[54] **METHODS AND APPARATUS FOR NEAR INFRARED SPECTROSCOPY**
[54] **PROCEDES ET APPAREIL DE SPECTROSCOPIE PROCHE INFRAROUGE**
[72] SHADGAN, BABAK, CA
[72] KWON, BRIAN, CA
[72] SERVATI, PEYMAN, CA
[72] MOLAVI, BEHNAM, CA
[72] ASKARI, SHAHBAZ, CA
[72] SERVATI, AMIR, CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2022-03-03
[86] 2020-09-04 (PCT/CA2020/051202)
[87] (WO2021/042215)
[30] US (62/897,182) 2019-09-06

[21] **3,153,176**
[13] A1

[51] **Int.Cl. A61K 31/352 (2006.01) A61K 9/10 (2006.01) A61K 31/015 (2006.01) A61K 31/7048 (2006.01) A61K 31/728 (2006.01) A61K 36/185 (2006.01) A61K 36/886 (2006.01) A61P 17/02 (2006.01) C07C 13/32 (2006.01) C07D 311/74 (2006.01) C07D 311/80 (2006.01) C07H 17/07 (2006.01) C08J 3/075 (2006.01) C08L 5/08 (2006.01)**

[25] EN
[54] **TOPICAL FORMULATIONS AND INSTILLATES, KITS, AND METHODS FOR TREATING INTEGUMENTARY WOUNDS, AND USES THEREOF**
[54] **FORMULATIONS TOPIQUES ET PRODUITS D'INSTILLATION, KITS ET PROCEDES DE TRAITEMENT DE PLAIES TEGUMENTAIRES, ET UTILISATIONS ASSOCIEES**
[72] MAIDA, VINCENZO, CA
[71] VINSAN THERAPEUTICS INC., CA
[85] 2022-03-03
[86] 2020-10-02 (PCT/CA2020/051326)
[87] (WO2021/062555)
[30] CA (3057647) 2019-10-03

[21] **3,153,179**
[13] A1

[51] **Int.Cl. A61K 9/107 (2006.01) A61K 47/24 (2006.01) A61K 47/26 (2006.01) A61K 47/28 (2006.01) A61K 47/44 (2017.01)**

[25] EN
[54] **OIL-IN-WATER EMULSION FORMULATIONS FOR DELIVERY OF ACTIVE OR THERAPEUTIC AGENTS**
[54] **FORMULATIONS D'EMULSION A PHASE CONTINUE AQUEUSE POUR L'ADMINISTRATION D'AGENTS ACTIFS OU THERAPEUTIQUES**
[72] RAJAGOPALAN, RAJKANNAN, CA
[72] STANFORD, MARIANNE, CA
[72] TORREY, HEATHER, CA
[71] IMMUNOVACCINE TECHNOLOGIES INC., CA
[85] 2022-03-03
[86] 2020-10-15 (PCT/CA2020/051377)
[87] (WO2021/072535)
[30] US (62/915,696) 2019-10-16

[21] **3,153,182**
[13] A1

[51] **Int.Cl. A61C 13/00 (2006.01) A61C 8/00 (2006.01)**

[25] EN
[54] **METHOD FOR PRODUCING A COMPUTER MODEL FOR AN ABUTMENT AND FOR PRODUCING AN ABUTMENT**
[54] **PROCEDE DE FABRICATION D'UN MODELE INFORMATIQUE DE BUTEE, ET DE FABRICATION D'UNE BUTEE**
[72] KERN, MARIO, AT
[71] EAP PRODUKTIONS- UND PATENTVERWERTUNGS- GMBH, AT
[85] 2022-03-03
[86] 2020-09-02 (PCT/AT2020/060328)
[87] (WO2021/042149)
[30] AT (A 50767/2019) 2019-09-03

PCT Applications Entering the National Phase

[21] **3,153,186**
[13] A1

[51] **Int.Cl. B23P 19/04 (2006.01) B02C 17/22 (2006.01) B02C 23/00 (2006.01) B23P 19/06 (2006.01) B25J 9/00 (2006.01) B25J 9/02 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR CHANGING A MILL LINER, CONFIGURED TO ALLOW THE FULLY AUTOMATED AND ROBOTIC MANIPULATION OF THE METHOD**

[54] **SYSTEME ET PROCEDE POUR LE CHANGEMENT DE REVETEMENT D'UN MOULIN DONT LA CONFIGURATION PERMET LA MANIPULATION ROBOTIQUE ET AUTOMATISEE COMPLETE DE CE PROCEDE**

[72] SALAMANCA POBLETE, HUGO CESAR, CL

[72] BAEZA RAMIREZ, LUIS ALEJANDRO, CL

[71] MI ROBOTIC SOLUTIONS S.A., CL

[85] 2022-03-03

[86] 2019-09-03 (PCT/CL2019/050082)

[87] (WO2021/042219)

[21] **3,153,189**
[13] A1

[51] **Int.Cl. B02C 17/22 (2006.01) B02C 23/00 (2006.01) B23P 19/04 (2006.01) B23P 19/06 (2006.01) B25J 13/00 (2006.01) B25J 19/00 (2006.01)**

[25] EN

[54] **DEVICE OR TOOL FOR GRIPPING A LINER TO REMOVE SAME FROM AND INSTALL SAME IN THE SHELL OF A MILL; METHOD FOR INSTALLING A LINER; METHOD FOR REMOVING A LINER**

[54] **DISPOSITIF OU OUTIL POUR LA SAISIE D'UN REVETEMENT POUR SON EXTRACTION ET INSTALLATION DEPUIS LA COQUE D'UN BROYEUR ; PROCEDE D'INSTALLATION D'UN REVETEMENT ; PROCEDE D'EXTRACTION D'UN REVETEMENT**

[72] ELIAS CABRERA, IGOR SEBASTIAN, CL

[72] MUNOZ ROSAS, CARLOS ROBERTO, CL

[72] POBLETE GUTIERREZ, MARIO FRANCISCO, CL

[71] MI ROBOTIC SOLUTIONS S.A., CL

[85] 2022-03-03

[86] 2019-09-03 (PCT/CL2019/050083)

[87] (WO2021/042220)

[21] **3,153,192**
[13] A1

[51] **Int.Cl. B66F 17/00 (2006.01) B66F 11/04 (2006.01)**

[25] EN

[54] **ANTI-SQUEEZING DEVICE FOR MOBILE CONSOLE, PUSHER-TYPE ANTI-SQUEEZING DEVICE AND AERIAL WORK MACHINE**

[54] **DISPOSITIF ANTI-EXTRUSION POUR PLATEFORME D'ACTIONNEMENT MOBILE, DISPOSITIF ANTI-EXTRUSION DE TYPE TIGE-POUSSOIR, ET MACHINE DE FONCTIONNEMENT A HAUTE ALTITUDE**

[72] REN, HUILI, CN

[72] ZHONG, YI, CN

[72] XU, YUNHAI, CN

[72] LONG, YEGUO, CN

[72] GU, JUNJIE, CN

[72] XIONG, LU, CN

[71] ZOOMLION INTELLIGENT ACCESS MACHINERY CO., LTD., CN

[85] 2022-03-03

[86] 2019-12-20 (PCT/CN2019/126986)

[87] (WO2021/062952)

[30] CN (201910941318.2) 2019-09-30

[30] CN (201910941314.4) 2019-09-30

[21] **3,153,200**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/145 (2006.01) A61B 5/1455 (2006.01) A61B 5/1486 (2006.01)**

[25] EN

[54] **IMPLANTABLE ELECTRONIC SENSING SYSTEM FOR MEASURING AND MONITORING MEDICAL PARAMETERS**

[54] **SYSTEME DE DETECTION ELECTRONIQUE IMPLANTABLE POUR MESURER ET SURVEILLER DES PARAMETRES MEDICAUX**

[72] IVORRA CANO, ANTONI, ES

[72] CASTELLVI FERNANDEZ, QUIM, ES

[72] BECERRA FAJARDO, LAURA, ES

[71] UNIVERSITAT POMPEU FABRA, ES

[85] 2022-03-03

[86] 2020-07-13 (PCT/EP2020/069688)

[87] (WO2021/043481)

[30] EP (19382757.3) 2019-09-04

Demandes PCT entrant en phase nationale

[21] **3,153,203**
[13] A1

[51] **Int.Cl. C12N 1/12 (2006.01) C12P 23/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING ASTAXANTHIN BY HETEROTROPHIC CULTURE OF HAEMATOCOCCUS PLUVIALIS**
[54] **PROCEDE DE PRODUCTION D'ASTAXANTHINE PAR CULTURE HETEROTROPHE D'HAEMATOCOCCUS PLUVIALIS**
[72] ZHENG, YUBIN, CN
[72] LIU, SHUAISHUAI, CN
[72] CAO, PEIXIN, CN
[72] DAI, YUNFA, CN
[72] XIE, SHIYI, CN
[71] BIOALGO (WF) CO., LTD, CN
[71] BIOALGO (CY) CO., LTD, CN
[85] 2022-03-03
[86] 2020-09-22 (PCT/CN2020/116777)
[87] (WO2021/057711)
[30] CN (201910901712.3) 2019-09-23

[21] **3,153,212**
[13] A1

[51] **Int.Cl. G01H 1/00 (2006.01) G01H 17/00 (2006.01) G08B 3/10 (2006.01) G08B 5/36 (2006.01)**
[25] EN
[54] **A MACHINE TEST MECHANISM**
[54] **MECANISME DE TEST DE MACHINE**
[72] OZDEMIR, CENK, TR
[72] AKER, ALPER BAHRI, TR
[71] TUSAS- TURK HAVACILIK VE UZAY SANAYII ANONIM SIRKETI, TR
[85] 2022-02-28
[86] 2020-08-24 (PCT/TR2020/050748)
[87] (WO2021/040655)
[30] TR (2019/13066) 2019-08-28

[21] **3,153,213**
[13] A1

[51] **Int.Cl. C07K 16/40 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTI-CD73 ANTIBODIES**
[54] **ANTICORPS ANTI-CD73**
[72] GRANDAL, MICHAEL MONRAD, DK
[72] GJETTING, TORBEN, DK
[72] LANTTO, JOHAN, SE
[72] JAKOBSEN, JANUS SCHOU, DK
[72] HANSEN, RANDI WESTH, DK
[72] FROHLICH, CAMILLA, DK
[71] SYMPHOGEN A/S, DK
[85] 2022-03-03
[86] 2020-09-04 (PCT/EP2020/074804)
[87] (WO2021/044005)
[30] US (62/896,908) 2019-09-06

[21] **3,153,214**
[13] A1

[51] **Int.Cl. C12N 1/12 (2006.01) C12P 23/00 (2006.01)**
[25] EN
[54] **METHOD FOR CULTURING HAEMATOCOCCUS PLUVIALIS TO PRODUCE ASTAXANTHIN**
[54] **PROCEDE DE CULTURE D'HAEMATOCOCCUS PLUVIALIS POUR PRODUIRE DE L'ASTAXANTHINE**
[72] ZHENG, YUBIN, CN
[72] CAO, PEIXIN, CN
[72] LIU, SHUAISHUAI, CN
[72] WANG, HUA, CN
[72] CHEN, FANGJIAN, CN
[72] XIE, SHIYI, CN
[71] BIOALGO (WF) CO., LTD, CN
[71] BIOALGO (CY) CO., LTD, CN
[85] 2022-03-03
[86] 2020-09-22 (PCT/CN2020/116775)
[87] (WO2021/057709)
[30] CN (201910900994.5) 2019-09-23

[21] **3,153,215**
[13] A1

[51] **Int.Cl. A01M 21/04 (2006.01)**
[25] EN
[54] **AN APPARATUS AND METHOD FOR COMBATING CROPS WITH A HEATED AIR FLOW**
[54] **APPAREIL ET PROCEDE POUR COMBATTRE DES CULTURES AU MOYEN D'UN FLUX D'AIR CHAUFFE**
[72] POLLEUNIS, MARC GUY, BE
[71] AGROFROST NV, BE
[85] 2022-03-03
[86] 2020-09-18 (PCT/EP2020/076201)
[87] (WO2021/053202)
[30] BE (BE2019/5617) 2019-09-19

[21] **3,153,216**
[13] A1

[51] **Int.Cl. B29C 70/52 (2006.01)**
[25] EN
[54] **PULTRUSION DEVICE FOR CURVED PROFILED ARTICLES**
[54] **DISPOSITIF DE PULTRUSION POUR ARTICLES PROFILES COURBES**
[72] SCHMIDHUBER, SEBASTIAN, DE
[71] KRAUSSMAFFEI TECHNOLOGIES GMBH, DE
[85] 2022-03-03
[86] 2020-09-09 (PCT/EP2020/075189)
[87] (WO2021/069170)
[30] DE (10 2019 127 025.1) 2019-10-08

[21] **3,153,217**
[13] A1

[51] **Int.Cl. G01N 33/564 (2006.01) G01N 33/94 (2006.01)**
[25] EN
[54] **IMPROVED DETECTION OF NMDA RECEPTOR AUTOANTIBODIES**
[54] **DETECTION AMELIOREE DES AUTO-ANTICORPS DU RECEPTEUR NMDA**
[72] PROBST, CHRISTIAN, DE
[72] MINDORF, SWANTJE, DE
[72] DETTMANN, INGA-MADELEINE, DE
[71] EUROIMMUN MEDIZINISCHE LABORDIAGNOSTIKA AG, DE
[85] 2022-03-03
[86] 2020-09-10 (PCT/EP2020/075300)
[87] (WO2021/048263)
[30] EP (19197278.5) 2019-09-13

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[21] **3,153,218**
[13] A1

[51] **Int.Cl. A61M 39/18 (2006.01) A61M 39/12 (2006.01) A61M 39/20 (2006.01)**
[25] EN
[54] **MEDICAL CONNECTOR WITH AUTOMATIC SEALING UPON DISCONNECTION**
[54] **RACCORD MEDICAL A ETANCHEITE AUTOMATIQUE LORS DU DEBRANCHEMENT**
[72] WEBER, TOBIAS, DE
[72] BERLICH, ROBERT, DE
[71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
[85] 2022-03-03
[86] 2020-09-01 (PCT/EP2020/074284)
[87] (WO2021/043737)
[30] DE (10 2019 123 806.4) 2019-09-05

[21] **3,153,219**
[13] A1

[51] **Int.Cl. A24F 40/53 (2020.01) A24F 40/40 (2020.01)**
[25] EN
[54] **AEROSOL DELIVERY SYSTEM**
[54] **SYSTEME DE DISTRIBUTION D'AEROSOL**
[72] MOLONEY, PATRICK, GB
[72] KALJURA, KARL, GB
[72] THORNTON, ANDREW, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-03-03
[86] 2020-09-04 (PCT/GB2020/052116)
[87] (WO2021/044152)
[30] GB (1912834.7) 2019-09-06

[21] **3,153,220**
[13] A1

[51] **Int.Cl. A45D 20/50 (2006.01) A46B 9/02 (2006.01)**
[25] EN
[54] **HAIR STYLING DEVICE**
[54] **DISPOSITIF DE COIFFURE**
[72] PULFREY, SHAUN, GB
[72] OWENS, AUSTIN, GB
[72] PERRETT, DAN, GB
[72] GIORDANO, ELIO, GB
[71] TANGLE TEEZER LIMITED, GB
[85] 2022-03-03
[86] 2020-09-23 (PCT/GB2020/052292)
[87] (WO2021/058944)
[30] GB (1913655.5) 2019-09-23
[30] GB (1913654.8) 2019-09-23
[30] GB (1913656.3) 2019-09-23

[21] **3,153,221**
[13] A1

[51] **Int.Cl. A61F 2/46 (2006.01) A61B 17/16 (2006.01) A61F 2/28 (2006.01) A61F 2/38 (2006.01)**
[25] EN
[54] **TRIAL RADIAL HEAD IMPLANT**
[54] **IMPLANT DE TETE DU RADIUS EXPERIMENTAL**
[72] HODOREK, BRIAN C., CH
[72] PURDY, MATT J., CH
[72] WIATER, J. MICHAEL, CH
[72] MURTHI, ANAND M., CH
[72] SMITH, MATTHEW J., CH
[72] CUFF, DEREK J., CH
[72] JAWA, ANDREW, CH
[71] SYNTHES GMBH, CH
[85] 2022-03-03
[86] 2020-09-02 (PCT/EP2020/074504)
[87] (WO2021/043848)
[30] US (16/560,221) 2019-09-04

[21] **3,153,222**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/14 (2006.01) A61K 9/16 (2006.01) A61K 38/00 (2006.01)**
[25] EN
[54] **EXTRUDED DEPOT FORM FOR CONTROLLED ACTIVE SUBSTANCE RELEASE**
[54] **FORME DE DEPOT EXTRUDEE POUR LA LIBERATION CONTROLEE DE SUBSTANCE ACTIVE**
[72] RITTER, ELISABETH, DE
[72] FEUERSINGER, ALEXANDRA, DE
[72] OLIV, LUKAS, DE
[72] RADDATZ, KLAUS, DE
[72] BARTH, DIRK, DE
[71] AMW GMBH, DE
[85] 2022-03-03
[86] 2020-09-18 (PCT/EP2020/076148)
[87] (WO2021/053167)
[30] DE (10 2019 125 208.3) 2019-09-19

[21] **3,153,224**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/14 (2006.01) A61K 9/16 (2006.01) A61K 38/00 (2006.01)**
[25] EN
[54] **EXTRUDED DEPOT FORM FOR CONTROLLED ACTIVE SUBSTANCE RELEASE**
[54] **FORME DE DEPOT EXTRUDEE POUR LA LIBERATION CONTROLEE DE SUBSTANCE ACTIVE**
[72] RITTER, ELISABETH, DE
[72] FEUERSINGER, ALEXANDRA, DE
[72] OLIV, LUKAS, DE
[72] RADDATZ, KLAUS, DE
[72] BARTH, DIRK, DE
[71] AMW GMBH, DE
[85] 2022-03-03
[86] 2020-09-18 (PCT/EP2020/076155)
[87] (WO2021/053171)
[30] DE (10 2019 125 208.3) 2019-09-19

[21] **3,153,225**
[13] A1

[51] **Int.Cl. H04N 19/70 (2014.01)**
[25] EN
[54] **CONFIGURABLE NAL AND SLICE CODE POINT MECHANISM FOR STREAM MERGING**
[54] **MECANISME DE POINT DE CODE DE TRANCHE ET NAL CONFIGURABLE POUR FUSION DE FLUX**
[72] SANCHEZ DE LA FUENTE, YAGO, DE
[72] SUHRING, KARSTEN, DE
[72] HELLGE, CORNELIUS, DE
[72] SCHIERL, THOMAS, DE
[72] SKUPIN, ROBERT, DE
[72] WIEGAND, THOMAS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2022-03-03
[86] 2020-09-03 (PCT/EP2020/074619)
[87] (WO2021/043914)
[30] EP (19195198.7) 2019-09-03

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[21] **3,153,226**
[13] A1

[51] **Int.Cl. B61L 15/00 (2006.01) B61L 25/02 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR MONITORING THE CONFIGURATION OF A TRAIN**
[54] **PROCEDE ET DISPOSITIF DE SURVEILLANCE DE LA CONFIGURATION D'UN TRAIN**
[72] RONSE, FREDERICK, BE
[71] OVINTO CVBA, BE
[85] 2022-03-03
[86] 2020-09-04 (PCT/EP2020/074763)
[87] (WO2021/043977)
[30] EP (19195436.1) 2019-09-04

[21] **3,153,229**
[13] A1

[51] **Int.Cl. B01J 8/00 (2006.01) B01J 15/00 (2006.01) B01J 19/24 (2006.01) B01J 35/00 (2006.01) C01B 3/40 (2006.01)**
[25] EN
[54] **SYNTHESIS GAS ON DEMAND**
[54] **GAZ DE SYNTHESE A LA DEMANDE**
[72] MORTENSEN, PETER MOLGAARD, DK
[72] LARSEN, KASPER EMIL, DK
[72] AASBERG-PETERSEN, KIM, DK
[71] HALDOR TOPSOE A/S, DK
[85] 2022-03-03
[86] 2020-09-24 (PCT/EP2020/076695)
[87] (WO2021/063792)
[30] DK (PA 2019 01145) 2019-10-01

[21] **3,153,230**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) B33Y 70/00 (2020.01) A61K 9/14 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 47/02 (2006.01) A61K 47/12 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01)**
[25] EN
[54] **FAST CONSOLIDATING COMPOUNDS**
[54] **COMPOSES DE CONSOLIDATION RAPIDE**
[72] GRIESSER, ULRICH, AT
[72] SCHONEMANN, MAGDALENA SONJA, DE
[72] NOISTERNIG, MICHAEL F., AT
[72] BRAUN, DORIS ELFRIDE, AT
[71] UNIVERSITAT INNSBRUCK, AT
[85] 2022-03-03
[86] 2020-09-07 (PCT/EP2020/074957)
[87] (WO2021/044058)
[30] EP (19195674.7) 2019-09-05

[21] **3,153,231**
[13] A1

[51] **Int.Cl. G06F 17/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF CONNECTED DRIVING BASED ON DYNAMIC CONTEXTUAL FACTORS**
[54] **SYSTEMES ET PROCEDES DE CONDUITE CONNECTEE SUR LA BASE DE FACTEURS CONTEXTUELS DYNAMIQUES**
[72] HAYES, HOWARD, US
[72] CHINTAKINDI, SUNIL, US
[72] GIBSON, TIM, US
[71] ALLSTATE INSURANCE COMPANY, US
[85] 2022-03-03
[86] 2020-09-02 (PCT/US2020/049029)
[87] (WO2021/046103)
[30] US (62/895,390) 2019-09-03
[30] US (63/043,561) 2020-06-24
[30] US (17/009,228) 2020-09-01

[21] **3,153,232**
[13] A1

[25] FR
[54] **ENSEMBLE DE DETECTION DE DEFAUTS SUR UNE CARROSSERIE D'UN VEHICULE AUTOMOBILE**
[54] **ASSEMBLY FOR DETECTING DEFECTS ON A MOTOR VEHICLE BODYWORK**
[72] TISSANDIER, GABRIEL, FR
[72] BERNARD, CEDRIC, FR
[72] PERRET-MEYER, ALEXANDRE, FR
[71] PROOV STATION, FR
[85] 2022-03-03
[86] 2020-09-07 (PCT/EP2020/074974)
[87] (WO2021/048066)
[30] EP (19196820.5) 2019-09-11

[21] **3,153,233**
[13] A1

[51] **Int.Cl. A61B 10/00 (2006.01) G01N 22/00 (2006.01) G01N 22/02 (2006.01) G01S 7/02 (2006.01) G01S 13/89 (2006.01)**
[25] EN
[54] **SCATTERING TOMOGRAPHY DEVICE AND SCATTERING TOMOGRAPHY METHOD**
[54] **DISPOSITIF DE TOMOGRAPHIE PAR DIFFUSION ET PROCEDE DE TOMOGRAPHIE PAR DIFFUSION**
[72] KIMURA, NORIAKI, JP
[72] KIMURA, KENJIRO, JP
[71] INTEGRAL GEOMETRY SCIENCE INC., JP
[85] 2022-03-03
[86] 2020-07-28 (PCT/JP2020/028886)
[87] (WO2021/053971)
[30] JP (2019-168675) 2019-09-17

[21] **3,153,234**
[13] A1

[51] **Int.Cl. G06F 13/36 (2006.01) G05D 23/00 (2006.01) G06F 13/00 (2006.01) G06F 13/14 (2006.01) G06F 13/37 (2006.01)**
[25] EN
[54] **SUBSIDIARY INTERACTION OF CONTROLLERS**
[54] **INTERACTION AUXILIAIRE DE DISPOSITIFS DE COMMANDE**
[72] CHOQUET, PASCAL, DE
[71] BARKSDALE, INC., US
[85] 2022-03-03
[86] 2020-09-03 (PCT/US2020/049199)
[87] (WO2021/046219)
[30] US (62/896,055) 2019-09-05

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[21] **3,153,236**
[13] A1

[51] **Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/6869 (2018.01)**
[25] EN
[54] **METHOD FOR SEQUENCING RNA OLIGONUCLEOTIDES**
[54] **PROCEDE DE SEQUENCAGE D'OLIGONUCLEOTIDES D'ARN**
[72] DATLINGER, PAUL, AT
[72] BOCK, CHRISTOPH, AT
[71] CEMM-FORSCHUNGSZENTRUM FUR MOLEKULARE MEDIZIN GMBH, AT
[85] 2022-03-03
[86] 2020-09-07 (PCT/EP2020/074985)
[87] (WO2021/044063)
[30] EP (19196008.7) 2019-09-06
[30] EP (19216696.5) 2019-12-16

[21] **3,153,237**
[13] A1

[51] **Int.Cl. C12N 5/0775 (2010.01) A61K 35/545 (2015.01) A61K 35/28 (2015.01) A61P 9/04 (2006.01)**
[25] EN
[54] **THERAPEUTIC AGENT FOR MYOCARDITIS**
[54] **AGENT THERAPEUTIQUE CONTRE LA MYOCARDITE**
[72] DEZAWA, MARI, JP
[72] SAIKI, YOSHIKATSU, JP
[72] TAKAYA, HIROKI, JP
[71] TOHOKU UNIVERSITY, JP
[71] LIFE SCIENCE INSTITUTE, INC., JP
[85] 2022-03-03
[86] 2020-09-04 (PCT/JP2020/033577)
[87] (WO2021/045190)
[30] JP (2019-162264) 2019-09-05

[21] **3,153,238**
[13] A1

[25] EN
[54] **TECHNIQUES FOR STEERING NETWORK TRAFFIC TO REGIONS OF A CLOUD COMPUTING SYSTEM**
[54] **TECHNIQUES POUR DIRIGER LE TRAFIC RESEAU VERS DES REGIONS D'UN SYSTEME INFONUAGIQUE**
[72] FEDOROV, SERGEY, US
[72] WILLIAMS, PHELPS WATSON, US
[72] BEHNAM, NIOSHA, US
[71] NETFLIX, INC., US
[85] 2022-03-03
[86] 2020-09-03 (PCT/US2020/049264)
[87] (WO2021/046263)
[30] US (62/897,116) 2019-09-06
[30] US (16/693,180) 2019-11-22

[21] **3,153,239**
[13] A1

[51] **Int.Cl. A61K 31/706 (2006.01) A61K 31/7084 (2006.01) A61K 45/06 (2006.01) A61P 29/00 (2006.01) A61P 29/02 (2006.01)**
[25] FR
[54] **UTILISATION DE NMN POUR LA PREVENTION ET/OU LE TRAITEMENT DE LA DOULEURNET COMPOSITIONS CORRESPONDANTES**
[54] **USE OF NMN FOR THE PREVENTION AND/OR TREATMENT OF PAIN, AND CORRESPONDING COMPOSITIONS**
[72] BERMOND, GUILLAUME, CH
[72] GARCON, LAURENT, CH
[71] NUVAMID SA, CH
[85] 2022-03-03
[86] 2020-09-08 (PCT/EP2020/075085)
[87] (WO2021/048129)
[30] FR (FR1909896) 2019-09-09
[30] EP (19218817.5) 2019-12-20

[21] **3,153,240**
[13] A1

[51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/32 (2006.01) A61M 3/02 (2006.01)**
[25] EN
[54] **SLEEVE FOR ROTARY SURGICAL INSTRUMENT**
[54] **MANCHON POUR INSTRUMENT CHIRURGICAL ROTATIF**
[72] CUSHEN, PATRICK, IE
[72] CONNOLLY, EOIN, IE
[71] STRYKER EUROPEAN OPERATIONS LIMITED, IE
[85] 2022-03-03
[86] 2020-09-03 (PCT/IB2020/058223)
[87] (WO2021/044347)
[30] US (62/896,056) 2019-09-05

[21] **3,153,241**
[13] A1

[51] **Int.Cl. G01S 13/02 (2006.01) H04B 1/00 (2006.01)**
[25] EN
[54] **METHOD FOR SAMPLING AN ULTRA WIDE BAND SIGNAL**
[54] **PROCEDE D'ECHANTILLONNAGE D'UN SIGNAL A BANDE ULTRA-LARGE**
[72] MANACORDA, GUIDO, IT
[72] PASCULLI, DAVIDE, IT
[72] SIMI, ALESSANDRO, IT
[71] IDS GEORADAR S.R.L., IT
[85] 2022-03-03
[86] 2020-09-17 (PCT/IB2020/058661)
[87] (WO2021/053567)
[30] IT (102019000016562) 2019-09-17

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[21] **3,153,243**
[13] A1

[51] **Int.Cl. A23L 2/00 (2006.01) C12C 3/04 (2006.01) C12C 5/02 (2006.01)**

[25] EN

[54] **WHISKEY REPLICAS PRODUCED FROM INDIVIDUAL COMPONENTS**

[54] **COPIES DE WHISKY PRODUITES A PARTIR DE COMPOSANTS INDIVIDUELS**

[72] SHULMAN, TAYLOR, US
[72] BESWICK, ETHAN CHARLES, US
[72] DECOLONGON, JOSHUA CANARIA, US
[72] JASTRZEMBSKI, JILLIAN ANGELA, US
[72] SILVA, LESLIE P., US
[72] LUNDQUIST, JOSHUA, US
[72] BILODEAU, ERICA NICOLE, US
[72] LEE, ALEC KREMONIC, US
[72] CHUA, MARDONN CARL, US
[71] AVA FOOD LABS, INC., US
[85] 2022-03-03
[86] 2019-10-01 (PCT/US2019/054156)
[87] (WO2020/072555)
[30] US (62/739,675) 2018-10-01
[30] US (62/890,766) 2019-08-23

[21] **3,153,244**
[13] A1

[51] **Int.Cl. A23L 2/00 (2006.01) C12C 5/02 (2006.01) C12G 3/04 (2019.01)**

[25] EN

[54] **BOURBON REPLICAS PRODUCED FROM INDIVIDUAL COMPONENTS**

[54] **COPIES DE BOURBON PRODUITES A PARTIR DE COMPOSANTS INDIVIDUELS**

[72] SHULMAN, TAYLOR, US
[72] BESWICK, ETHAN CHARLES, US
[72] DECOLONGON, JOSHUA CANARIA, US
[72] JASTRZEMBSKI, JILLIAN ANGELA, US
[72] SILVA, LESLIE P., US
[72] LUNDQUIST, JOSHUA, US
[72] BILODEAU, ERICA NICOLE, US
[72] LEE, ALEC KREMONIC, US
[72] CHUA, MARDONN CARL, US
[71] AVA FOOD LABS, INC., US
[85] 2022-03-03
[86] 2019-10-01 (PCT/US2019/054163)
[87] (WO2020/072557)
[30] US (62/739,763) 2018-10-01
[30] US (62/890,777) 2019-08-23

[21] **3,153,246**
[13] A1

[51] **Int.Cl. A01G 13/00 (2006.01) A01K 67/033 (2006.01)**

[25] EN

[54] **NOVEL METHODS FOR REARING AND CONTROLLED RELEASE OF PREDATORY MITES**

[54] **NOUVEAUX PROCEDES D'ELEVAGE ET DE LIBERATION REGULEE D'ACARIENS PREDATEURS**

[72] TABIC, ARNON, IL
[72] KATZ, TOM, IL
[72] GROSMAN, AMIR, NL
[72] STEINBERG, SHIMON, IL
[71] BIO-BEE SDE ELIYAHU LTD., IL
[85] 2022-03-03
[86] 2019-09-03 (PCT/IL2019/050982)
[87] (WO2021/044404)

[21] **3,153,248**
[13] A1

[51] **Int.Cl. A23L 2/00 (2006.01) C12C 5/02 (2006.01) C12G 3/04 (2019.01)**

[25] EN

[54] **SCOTCH REPLICAS PRODUCED FROM INDIVIDUAL COMPONENTS**

[54] **COPIES DE SCOTCH PRODUITES A PARTIR DE COMPOSANTS INDIVIDUELS**

[72] SHULMAN, TAYLOR, US
[72] BESWICK, ETHAN CHARLES, US
[72] DECOLONGON, JOSHUA CANARIA, US
[72] JASTRZEMBSKI, JILLIAN ANGELA, US
[72] SILVA, LESLIE P., US
[72] LUNDQUIST, JOSHUA, US
[72] BILODEAU, ERICA NICOLE, US
[72] LEE, ALEC KREMONIC, US
[72] CHUA, MARDONN CARL, US
[71] AVA FOOD LABS, INC., US
[85] 2022-03-03
[86] 2019-10-01 (PCT/US2019/054165)
[87] (WO2020/072559)
[30] US (62/739,682) 2018-10-01
[30] US (62/890,781) 2019-08-23

[21] **3,153,249**
[13] A1

[51] **Int.Cl. F16M 11/04 (2006.01) F16M 11/06 (2006.01) G06F 1/16 (2006.01) H04M 1/14 (2006.01)**

[25] EN

[54] **MAGNET BALL TABLE TOP SWIVEL TILT STAND FOR ELECTRONIC DISPLAYS**

[54] **SUPPORT D'INCLINAISON PIVOTANT SUPERIEUR DE TABLE A BILLES MAGNETIQUES POUR DISPOSITIFS D'AFFICHAGE ELECTRONIQUES**

[72] KOLZ, JUSTIN, US
[71] LEGRAND AV INC., US
[85] 2022-03-03
[86] 2020-08-31 (PCT/US2020/048815)
[87] (WO2021/045999)
[30] US (62/895,929) 2019-09-04

[21] **3,153,250**
[13] A1

[51] **Int.Cl. E21B 43/12 (2006.01) H01B 7/02 (2006.01) H01B 7/04 (2006.01) H01B 7/18 (2006.01) H01B 7/24 (2006.01) H01B 7/282 (2006.01) H01B 13/22 (2006.01)**

[25] EN

[54] **CABLES FOR CABLE DEPLOYED ELECTRIC SUBMERSIBLE PUMPS**

[54] **CABLES POUR POMPES SUBMERSIBLES ELECTRIQUES DEPLOYEES PAR CABLE**

[72] MATLACK, BRADLEY, US
[72] NYAYADHISH, VARUN VINAYKUMAR, US
[72] MANKE, GREGORY HOWARD, US
[72] MA, PATRICK ZHIYUAN, US
[72] HOLZMUELLER, JASON, US
[72] GERSTNER, VINCENT, US
[72] GOERTZEN, WILLIAM, US
[72] PIPCHUK, DOUGLAS, GB
[72] VARKEY, JOSEPH, US
[72] AMADO, JUAN, US
[72] WIJNBERG, WILLEM, US
[72] GRISANTI, MARIA, US
[72] REN, XIAOHONG, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2022-03-03
[86] 2020-09-03 (PCT/US2020/049108)
[87] (WO2021/046158)
[30] US (62/895,113) 2019-09-03

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[21] **3,153,256**

[13] A1

[51] **Int.Cl. C12Q 1/686 (2018.01) C12Q
1/6844 (2018.01) C12Q 1/6855
(2018.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR
RNA-SEQ PROFILING**

[54] **METHODES ET SYSTEMES POUR
LE PROFILAGE DE SEQUENCE
D'ARN**

[72] GIERAHN, TODD, US

[71] HONEYCOMB BIOTECHNOLOGIES,
INC., US

[85] 2022-03-03

[86] 2020-09-04 (PCT/US2020/049558)

[87] (WO2021/046462)

[30] US (62/897,003) 2019-09-06

[21] **3,153,258**

[13] A1

[51] **Int.Cl. G10L 19/008 (2013.01) G10L
19/012 (2013.01) G10L 19/02
(2013.01) G10L 19/032 (2013.01)**

[25] EN

[54] **LOW-LATENCY, LOW-
FREQUENCY EFFECTS CODEC**

[54] **CODEC D'EFFETS DE BASSES
FREQUENCES, FAIBLE LATENCE**

[72] TYAGI, RISHABH, US

[72] MCGRATH, DAVID, US

[71] DOLBY LABORATORIES
LICENSING CORPORATION, US

[85] 2022-02-28

[86] 2020-09-01 (PCT/US2020/048954)

[87] (WO2021/046060)

[30] US (62/895,049) 2019-09-03

[30] US (63/069,420) 2020-08-24

[21] **3,153,263**

[13] A1

[51] **Int.Cl. H02H 3/42 (2006.01) H02J 3/14
(2006.01)**

[25] EN

[54] **ADAPTIVE CONTROL OF
ELECTRICITY CONSUMPTION**

[54] **COMMANDE ADAPTATIVE DE LA
CONSOMMATION
D'ELECTRICITE**

[72] CHOQUET, PASCAL, DE

[71] BARKSDALE, INC., US

[85] 2022-03-03

[86] 2020-09-03 (PCT/US2020/049204)

[87] (WO2021/046222)

[30] US (62/896,087) 2019-09-05

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[21] 3,132,712 [13] A1	[21] 3,151,342 [13] A1	[21] 3,151,430 [13] A1
[51] Int.Cl. A61C 1/00 (2006.01) A61C 5/40 (2017.01) A61C 1/08 (2006.01) A61C 17/02 (2006.01) A61C 17/024 (2006.01) A61C 17/028 (2006.01) [25] EN [54] DENTAL TREATMENT SYSTEM [54] [72] BERGHEIM, BJARNE, US [72] KHAKPOUR, MEHRZAD, US [72] CHEN, JENNIFER, US [72] DECHELETTE, ALEXIS, US [71] SONENDO, INC., US [22] 2014-02-04 [41] 2014-08-07 [62] 2,900,252 [30] US (61/767,746) 2013-02-21 [30] US (61/767,741) 2013-02-21 [30] US (61/805,110) 2013-03-25 [30] US (61/864,393) 2013-08-09 [30] US (61/760,620) 2013-02-04	[25] EN [54] SYSTEM AND TOOLS FOR ENHANCED 3D AUDIO AUTHORIZING AND RENDERING [54] SYSTEME ET OUTILS POUR LA CREATION ET LE RENDU DE SON MULTICANAUX AMELIORE [72] ROBINSON, CHARLES Q., US [72] SCHARPF, JURGEN W., US [72] TSINGOS, NICOLAS R., US [71] DOLBY LABORATORIES LICENSING CORPORATION, US [22] 2012-06-27 [41] 2013-01-10 [62] 3,134,353 [30] US (61/504005) 2011-07-01 [30] US (61/636102) 2012-04-20	[25] EN [54] OPTIMIZED ROUTING OF INTERACTIONS TO CONTACT CENTER AGENTS BASED ON MACHINE LEARNING [54] ACHEMINEMENT OPTIMISE D'INTERACTIONS VERS DES AGENTS DE CENTRE D'APPELS SUR LA BASE D'UN APPRENTISSAGE MACHINE [72] ARAVAMUDHAN, BHARATH, US [72] DUCLOS, GREGORY, US [72] KONIG, YOCHAI, US [72] MAKAGON, PETR, US [72] MCGANN, CONOR, US [72] PELEMIS, DAMJAN, CA [72] RISTOCK, HERBERT WILLI ARTUR, US [72] ZHAKOV, VYACHESLAV, US [71] GREENEDEN U.S. HOLDINGS II, LLC, US [22] 2016-10-18 [41] 2017-04-27 [62] 3,009,944 [30] US (14/887,310) 2015-10-19 [30] US (14/887,318) 2015-10-19 [30] US (14/887,276) 2015-10-19 [30] US (14/887,297) 2015-10-19
[21] 3,150,666 [13] A1	[21] 3,151,401 [13] A1	[21] 3,151,502 [13] A1
[51] Int.Cl. G10L 19/022 (2013.01) [25] EN [54] DOWNSCALED DECODING [54] [72] SCHNELL, MARKUS, DE [72] LUTZKY, MANFRED, DE [72] FOTOPOULOU, ELENI, DE [72] SCHMIDT, KONSTANTIN, DE [72] BENNDORF, CONRAD, DE [72] TOMASEK, ADRIAN, DE [72] ALBERT, TOBIAS, DE [72] SEIDL, TIMON, DE [71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE [22] 2016-06-10 [41] 2016-12-22 [62] 2,989,252 [30] EP (15172282.4) 2015-06-16 [30] EP (15189398.9) 2015-10-12	[25] EN [54] WEAR ASSEMBLY REMOVAL AND INSTALLATION [54] RETRAIT ET INSTALLATION D'ENSEMBLE D'USURE [72] BEWLEY, ERIC L., US [72] BLOMBERG, JOSEPH E., US [72] CARPENTER, CHRISTOPHER M., US [72] CARPENTER, RYAN J., US [72] CLARKE, ROD, AU [72] COWGILL, NOAH, US [72] FINLEY, TAYLOR M., US [71] ESCO GROUP LLC, US [22] 2014-10-20 [41] 2015-04-30 [62] 2,928,485 [30] US (61/893,833) 2013-10-21	[25] EN [54] SOFT MAGNETIC POWDER, FE-BASED NANOCRYSTALLINE ALLOY POWDER, MAGNETIC COMPONENT, AND DUST CORE [54] [72] YAMAMOTO, NAOKI, JP [72] TAKASHITA, TAKUYA, JP [72] NAKASEKO, MAKOTO, JP [72] KOBAYASHI, AKIO, JP [72] URATA, AKIRI, JP [72] CHIBA, MIHO, JP [71] JFE STEEL CORPORATION, JP [22] 2019-07-25 [41] 2020-02-06 [62] 3,106,959 [30] JP (2018-144278) 2018-07-31

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[21] **3,151,507**
[13] A1

[25] EN
[54] **USE OF PRIDOPIDINE FOR TREATING FUNCTIONAL DECLINE**
[54]
[72] HAYDEN, MICHAEL, IL
[72] PAPAPETROPOULOS, SPYRIDON, US
[72] SAVOLA, JUHA-MATTI, CH
[72] EYAL, ELI, IL
[72] BOROWSKY, BETH, US
[72] GRACHEV, IGOR D., US
[71] PRILENIA NEUROTHERAPEUTICS LTD., IL
[22] 2017-08-24
[41] 2018-03-01
[62] 3,035,092
[30] US (62/379,175) 2016-08-24
[30] US (62/395,263) 2016-09-15
[30] US (62/411,511) 2016-10-21
[30] US (62/416,685) 2016-11-02

[21] **3,151,541**
[13] A1

[25] EN
[54] **PROPERTY MANAGEMENT ON A SMARTPHONE**
[54]
[72] PERSHING, CHRIS, US
[71] EAGLE VIEW TECHNOLOGIES, INC., US
[22] 2014-02-27
[41] 2014-09-25
[62] 2,902,481
[30] US (13/844,552) 2013-03-15

[21] **3,151,554**
[13] A1

[51] **Int.Cl. A01N 1/02 (2006.01) A61B 10/00 (2006.01) A61B 10/02 (2006.01) B65D 81/38 (2006.01)**
[25] EN
[54] **SYSTEM FOR COLLECTING AND PRESERVING TISSUE CORES**
[54] **SYSTEME POUR RECUEILLIR ET CONSERVER DES NOYAUX DE TISSU**
[72] MARK, JOSEPH L., US
[72] TROMPEN, MICK, US
[72] DOUGHERTY, BRIAN C., US
[71] NICO CORPORATION, US
[22] 2014-02-06
[41] 2014-09-18
[62] 2,901,876
[30] US (13/835,813) 2013-03-15

[21] **3,151,555**
[13] A1

[25] EN
[54] **NONSTEROIDAL AND STEROIDAL COMPOUNDS WITH POTENT ANDROGEN RECEPTOR DOWN-REGULATION AND ANTI PROSTATE CANCER ACTIVITY**
[54] **COMPOSES NON-STEROIDIENS ET STEROIDIENS PUISSANTS EN TERMES DE REGULATION A LA BAISSSE DU RECEPTEUR DES ANDROGENES ET D'ACTIVITE CONTRE LE CANCER DE LA PROSTATE**
[72] NJAR, VINCENT C.O., US
[72] PURANIK, PURUSHOTTAMACHAR, US
[71] UNIVERSITY OF MARYLAND, BALTIMORE, US
[22] 2014-04-04
[41] 2014-10-09
[62] 2,908,577
[30] US (61/808,345) 2013-04-04
[30] US (61/808,902) 2013-04-05

[21] **3,151,575**
[13] A1

[25] EN
[54] **IMPROVED MANUFACTURING FOR VIRTUAL AND AUGMENTED REALITY SYSTEMS AND COMPONENTS**
[54] **FABRICATION AMELIOREE POUR SYSTEMES ET COMPOSANTS DE REALITE VIRTUELLE ET AUGMENTEE**
[72] TEKOLSTE, ROBERT D., US
[72] KLUG, MICHAEL A., US
[72] GRECO, PAUL M., US
[72] SCHOWENGERDT, BRIAN T., US
[71] MAGIC LEAP, INC., US
[22] 2016-03-05
[41] 2016-09-09
[62] 2,976,955
[30] US (62/128,925) 2015-03-05
[30] US (15/007,117) 2016-01-26

[21] **3,151,595**
[13] A1

[25] EN
[54] **MODULATORS OF 5'-NUCLEOTIDASE, ECTO AND THE USE THEREOF**
[54] **MODULATEURS DE L'ECTO-5'-NUCLEOTIDASE ET LEUR UTILISATION**
[72] DEBIEN, LAURENT, PIERRE PAUL, US
[72] JAEN, JUAN, CARLOS, US
[72] KALISIAK, JAROSLAW, US
[72] LAWSON, KENNETH V., US
[72] LELETI, MANMOHAN REDDY, US
[72] LINDSEY, ERICK, ALLEN, US
[72] MILES, DILLON HARDING, US
[72] NEWCOMB, ERIC, US
[72] POWERS, JAY PATRICK, US
[72] ROSEN, BRANDON REID, US
[72] SHARIF, EHESAN UL, US
[71] ARCUS BIOSCIENCES, INC., US
[22] 2017-01-06
[41] 2017-07-13
[62] 3,009,196
[30] US (62/276,564) 2016-01-08
[30] US (62/324,077) 2016-04-18

[21] **3,151,665**
[13] A1

[25] EN
[54] **METHODS AND SYSTEMS FOR DISPLAYING ACCOUNT INFORMATION**
[54] **PROCEDES ET SYSTEMES PERMETTANT D'AFFICHER DES INFORMATIONS BANCAIRES**
[72] KOEPPPEL, ADAM R., US
[72] NIDERBERG, ALEX LEO, US
[72] KELLY, KEVIN, US
[72] MITTAL, MILI, US
[72] CALANDRO, SARAH, US
[72] TURFBOER, JONATHAN R., US
[71] CAPITAL ONE FINANCIAL CORPORATION, US
[22] 2015-08-26
[41] 2016-03-03
[62] 2,959,344
[30] US (62/041,864) 2014-08-26

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[21] **3,151,679**
[13] A1

[25] EN
[54] **SUBSEA FLUID STORAGE SYSTEM**
[54] **SYSTEME DE STOCKAGE DE FLUIDE SOUS-MARIN**
[72] PRIMM, BENJAMIN, US
[72] LEON, CHRISTOPHER, US
[72] SCHULZ, EARL, US
[71] OCEANEERING INTERNATIONAL, INC., US
[22] 2017-09-13
[41] 2018-03-22
[62] 3,033,005
[30] US (62/393,792) 2016-09-13

[21] **3,151,685**
[13] A1

[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING ANEMIA**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE L'ANEMIE**
[72] SHALWITZ, ROBERT, US
[72] HARTMAN, CHARLOTTE, US
[72] BUCH, AKSHAY, US
[72] SHALWITZ, ISAAH, US
[72] JANUSZ, JOHN, US
[72] GARDNER, JOSEPH, US
[71] AKEBIA THERAPEUTICS, INC., US
[22] 2014-06-04
[41] 2014-12-18
[62] 2,914,662
[30] US (61/834,808) 2013-06-13
[30] US (61/889,478) 2013-10-10
[30] US (61/898,885) 2013-11-01
[30] US (61/898,890) 2013-11-01
[30] US (61/912,185) 2013-12-05

[21] **3,151,709**
[13] A1

[51] **Int.Cl. H01M 50/293 (2021.01)**
[25] EN
[54] **ELECTRIC CELL POTTING COMPOUND AND METHOD OF MAKING**
[54] **COMPOSE D'ENROBAGE DE CELLULES ELECTRIQUES ET SON PROCEDE DE FABRICATION**
[72] GIORGINI, ALBERT M., US
[71] H.B. FULLER COMPANY, US
[22] 2019-02-15
[41] 2019-08-22
[62] 3,145,583
[30] US (62/631,584) 2018-02-16

[21] **3,151,722**
[13] A1

[25] EN
[54] **OPTIMIZED ROUTING OF INTERACTIONS TO CONTACT CENTER AGENTS BASED ON MACHINE LEARNING**
[54] **ACHEMINEMENT OPTIMISE D'INTERACTIONS VERS DES AGENTS DE CENTRE D'APPELS SUR LA BASE D'UN APPRENTISSAGE MACHINE**
[72] ARAVAMUDHAN, BHARATH, US
[72] DUCLOS, GREGORY, US
[72] KONIG, YOCHAI, US
[72] MAKAGON, PETR, US
[72] MCGANN, CONOR, US
[72] PELEMIS, DAMJAN, CA
[72] RISTOCK, HERBERT WILLI ARTUR, US
[72] ZHAKOV, VYACHESLAV, US
[71] GREENEDEN U.S. HOLDINGS II, LLC, US
[22] 2016-10-18
[41] 2017-04-27
[62] 3,009,944
[30] US (14/887,310) 2015-10-19
[30] US (14/887,318) 2015-10-19
[30] US (14/887,276) 2015-10-19
[30] US (14/887,297) 2015-10-19

[21] **3,151,736**
[13] A1

[51] **Int.Cl. A61F 2/26 (2006.01) A61F 5/41 (2006.01) A61K 9/00 (2006.01) A61M 5/142 (2006.01) A61P 15/10 (2006.01)**
[25] EN
[54] **INFUSION OF DRUGS**
[54]
[72] FORSELL, PETER, CH
[71] MEDICALTREE PATENT LTD., MT
[22] 2009-10-09
[41] 2010-04-15
[62] 3,047,697
[30] US (61/136892) 2008-10-10

[21] **3,151,750**
[13] A1

[25] EN
[54] **POWERED REAMING DEVICE**
[54]
[72] PRILL, JONATHAN RYAN, CA
[72] EDDISON, ALAN MARTYN, GB
[71] NATIONAL OILWELL VARCO, L.P., US
[22] 2015-06-09
[41] 2015-12-30
[62] 2,950,439
[30] US (14/312,580) 2014-06-23

[21] **3,151,810**
[13] A1

[25] EN
[54] **COMBINATION LOCK**
[54] **DISPOSITIF DE VERROUILLAGE A COMBINAISON**
[72] RAMAKRISHNA, MANJUNATHA, IN
[72] TOWNSEND, ROBERT, US
[72] KAVYA, M., IN
[71] SCHLAGE LOCK COMPANY LLC, US
[22] 2018-07-09
[41] 2019-01-10
[62] 3,070,873
[30] US (15/643,549) 2017-07-07

[21] **3,151,813**
[13] A1

[51] **Int.Cl. F21K 9/61 (2016.01) F21K 9/66 (2016.01)**
[25] EN
[54] **WIRELESS CONTROL DEVICE HAVING AN ANTENNA ILLUMINATED WITH VISIBLE LIGHT**
[54] **DISPOSITIF DE COMMANDE SANS FIL COMPRENANT UNE ANTENNE ECLAIREE PAR DE LA LUMIERE VISIBLE**
[72] COURTNEY, BRIAN MICHAEL, US
[72] MCDONALD, MATTHEW PHILLIP, US
[71] LUTRON ELECTRONICS CO., INC., US
[22] 2016-10-28
[41] 2017-05-04
[62] 3,002,658
[30] US (62/248,754) 2015-10-30
[30] US (15/337,543) 2016-10-28

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[21] **3,151,885**
[13] A1

[51] **Int.Cl. A61B 5/24 (2021.01) A61B 5/0538 (2021.01) A61B 5/287 (2021.01) A61B 5/296 (2021.01) A61B 5/367 (2021.01)**

[25] EN

[54] **CONTROLLED SYMPATHECTOMY AND MICRO-ABLATION SYSTEMS AND METHODS**

[54] **SYSTEMES ET METHODES DE SYMPATHECTOMIE ET DE MICRO-ABLATION CONTROLEES**

[72] TOH, LANDY, US

[72] SCHWARTZ, ROBERT, US

[71] AUTONOMIX MEDICAL, INC., US

[22] 2013-01-25

[41] 2013-08-01

[62] 2,862,862

[30] US (61/590,812) 2012-01-26

[30] US (61/613,097) 2012-03-20

[21] **3,151,888**
[13] A1

[51] **Int.Cl. B63B 29/04 (2006.01)**

[25] EN

[54] **SEAT ENCLOSURE**

[54] **ENCEINTE DE SIEGE**

[72] BARTELSMEYER, ROBERT, US

[72] DAVIS, CHANCE, US

[72] BYRD, MICHAEL, US

[72] ALEXANDER, JON, US

[71] DOWCO, INC., US

[22] 2019-01-22

[41] 2019-07-31

[62] 3,031,125

[30] US (62/624,322) 2018-01-31

[21] **3,151,894**
[13] A1

[51] **Int.Cl. B63B 29/04 (2006.01) B63B 3/68 (2006.01) B63B 17/04 (2006.01)**

[25] EN

[54] **SEAT ENCLOSURE**

[54]

[72] BARTELSMEYER, ROBERT, US

[72] DAVIS, CHANCE, US

[72] BYRD, MICHAEL, US

[72] ALEXANDER, JON, US

[71] DOWCO, INC., US

[22] 2019-01-22

[41] 2019-07-31

[62] 3,031,125

[30] US (62/624,322) 2018-01-31

[21] **3,151,939**
[13] A1

[51] **Int.Cl. A61B 5/157 (2006.01) A61B 5/145 (2006.01) A61B 5/1468 (2006.01)**

[25] EN

[54] **GLUCOSE-MEASUREMENT SYSTEMS AND METHODS PRESENTING ICONS**

[54] **SYSTEMES DE MESURE DU GLUCOSE ET METHODES DE PRESENTATION D'ICONES**

[72] MORALES, CARLOS OMAR, US

[72] BERVEN, SHAWN, US

[71] ANIMAS CORPORATION, US

[22] 2014-06-13

[41] 2014-12-31

[62] 2,916,409

[30] US (13/926,246) 2013-06-25

[21] **3,151,947**
[13] A1

[25] EN

[54] **LOW MOLECULAR WEIGHT DRUG CONJUGATES FOR BINDING TO CARBONIC ANHYDRASE IX**

[54] **CONJUGUES DE MEDICAMENT A FAIBLE POIDS MOLECULAIRE SERVANT A LA LIAISON A L'ANHYDRASE IX CARBONIQUE**

[72] KRALL, NIKOLAUS, AT

[72] DECURTINS, WILLY, CH

[72] NERI, DARIO, CH

[72] SCHEUERMANN, JORG, CH

[72] WICHERT, MORENO, CH

[71] EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH, CH

[22] 2015-02-03

[41] 2015-08-06

[62] 3,051,737

[30] GB (1401819.6) 2014-02-03

[30] GB (1407530.3) 2014-04-29

[30] GB (1419994.7) 2014-11-10

[21] **3,151,965**
[13] A1

[25] EN

[54] **EXTENDED DICER SUBSTRATE AGENTS AND METHODS FOR THE SPECIFIC INHIBITION OF GENE EXPRESSION**

[54] **AGENTS ALLONGES SERVANT DE SUBSTRATS DE DICER ET PROCEDES D'INHIBITION SPECIFIQUE DE L'EXPRESSION D'UN GENE**

[72] BROWN, BOB, US

[71] DICERNA PHARMACEUTICALS, INC., US

[22] 2009-12-18

[41] 2010-07-15

[62] 2,747,013

[30] US (61/138,946) 2008-12-18

[30] US (61/166,227) 2009-04-02

[30] US (61/173,514) 2009-04-28

[30] US (61/173,556) 2009-04-28

[30] US (61/173,532) 2009-04-28

[30] US (61/173,521) 2009-04-28

[30] US (61/173,558) 2009-04-28

[30] US (61/173,563) 2009-04-28

[30] US (61/173,549) 2009-04-28

[30] US (61/173,544) 2009-04-28

[30] US (61/173,538) 2009-04-28

[30] US (61/173,505) 2009-04-28

[30] US (61/173,525) 2009-04-28

[30] US (61/173,554) 2009-04-28

[21] **3,151,969**
[13] A1

[25] EN

[54] **ROADWAY MAINTENANCE STRIPING APPARATUS**

[54] **APPAREIL DE TRACAGE DE BANDE POUR ENTRETIEN DE LA CHAUSSEE**

[72] DOLINAR, DOUGLAS D., US

[72] HALLER, WILLIAM R., US

[71] LIMNTECH LLC, US

[22] 2015-02-23

[41] 2015-08-27

[62] 2,940,247

[30] US (61/942,847) 2014-02-21

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demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,151,977**
[13] A1

[51] **Int.Cl. B65D 33/16 (2006.01) B65D 55/02 (2006.01)**
[25] EN
[54] **RE-CLOSABLE, TAMPER-RESISTANT, STAND-UP PACKAGE**
[54] **EMBALLAGE VERTICAL, INVIOLENT ET REFERMABLE**
[72] CONRAD, RACHEL P., US
[71] SEALSTRIP CORPORATION, US
[22] 2016-09-27
[41] 2017-03-27
[62] 2,943,261
[30] US (14/866,982) 2015-09-27

[21] **3,152,081**
[13] A1

[51] **Int.Cl. A61K 47/60 (2017.01) A61K 31/513 (2006.01) A61K 31/7068 (2006.01) A61K 38/47 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY WITH AN ANTI-HYALURONAN AGENT AND A TUMOR-TARGETED TAXANE**
[54]
[72] MANEVAL, DANIEL C., US
[72] SHEPARD, H. MICHAEL, US
[72] THOMPSON, CURTIS B., US
[71] HALOZYME, INC., US
[22] 2013-03-15
[41] 2013-10-10
[62] 2,986,512
[30] US (61/686429) 2012-04-04
[30] US (61/714719) 2012-10-16

[21] **3,152,120**
[13] A1

[25] EN
[54] **SYSTEM AND METHOD FOR WIRELESS COMMUNICATION OF GLUCOSE DATA**
[54] **SYSTEME ET PROCEDURE DESTINEE A LA COMMUNICATION SANS FIL DE DONNEES SUR LE GLUCOSE**
[72] MANDAPAKA, ADITYA, US
[72] VALDES, JORGE, US
[72] WEDEKIND, JEFFREY R., US
[72] COHEN, ERIC, US
[72] BURNETTE, DOUGLAS WILLIAM, US
[72] PASCUAL, FRANCIS, US
[72] HAMPAPURAM, HARI, US
[72] DERVAES, MARK, US
[72] MENSINGER, MICHAEL, US
[71] DEXCOM, INC., US
[22] 2017-07-17
[41] 2018-01-25
[62] 3,029,378
[30] US (62/364,771) 2016-07-20

[21] **3,152,131**
[13] A1

[51] **Int.Cl. A61B 5/145 (2006.01) A61M 5/172 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING GLYCEMIC VARIABILITY**
[54] **SYSTEMES ET PROCEDES POUR GERER LA VARIABILITE GLYCEMIQUE**
[72] BHAVARAJU, NARESH C., US
[72] GARCIA, ARTURO, US
[72] MAYOU, PHIL, US
[72] PEYSER, THOMAS A., US
[72] KAMATH, APURV ULLAS, US
[72] MAHALINGHAM, AARTHI, US
[72] SAYER, KEVIN, US
[72] HALL, THOMAS, US
[72] MENSINGER, MICHAEL, US
[72] HAMPAPURAM, HARI, US
[72] PRICE, DAVID, US
[72] VALDES, JORGE, US
[72] KAZALBASH, MURRAD, US
[71] DEXCOM, INC., US
[22] 2013-10-28
[41] 2014-05-15
[62] 2,885,062
[30] US (61/723,642) 2012-11-07
[30] US (13/790,281) 2013-03-08

[21] **3,152,133**
[13] A1

[25] EN
[54] **DASHBOARD SCREEN FOR DOCKED SMART DEVICE**
[54] **ECRAN DE TABLEAU DE BORD POUR DISPOSITIF INTELLIGENT SUR POSTE D'ACCUEIL**
[72] GIRAUD, DAMON JAY, CA
[72] KWONG, DOMINIQUE, CA
[72] LEUNG, RAYMOND C.L., CA
[71] DAMON MOTORS INC., CA
[22] 2019-06-06
[41] 2019-12-12
[62] 3,148,368
[30] US (62/681,835) 2018-06-07

[21] **3,152,138**
[13] A1

[25] EN
[54] **VEHICLE OPERATION WITH SERVER-CONNECTED SMART DEVICE**
[54] **OPERATION DE VEHICULE AVEC UN DISPOSITIF INTELLIGENT BRANCHE A UN SERVEUR**
[72] GIRAUD, DAMON JAY, CA
[72] KWONG, DOMINIQUE, CA
[72] LEUNG, RAYMOND C.L., CA
[71] DAMON MOTORS INC., CA
[22] 2019-06-06
[41] 2019-12-12
[62] 3,148,368
[30] US (62/681,835) 2018-06-07

[21] **3,152,227**
[13] A1

[25] EN
[54] **UNIVERSAL COVER**
[54]
[72] BAIRD, DAVID, US
[72] STITH, CALEB, US
[71] DOWCO, INC., US
[22] 2019-10-10
[41] 2021-04-09
[62] 3,058,300
[30] US (16/597,823) 2019-10-09

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] **3,152,234**
[13] A1

[51] **Int.Cl. B63B 17/00 (2006.01) B32B 3/08 (2006.01) B63B 23/64 (2006.01) D06N 7/00 (2006.01)**

[25] EN
[54] **UNIVERSAL COVER**

[54]
[72] BAIRD, DAVID, US
[72] STITH, CALEB, US
[71] DOWCO, INC., US
[22] 2019-10-10
[41] 2021-04-09
[62] 3,058,300
[30] US (16/597,823) 2019-10-09

[21] **3,152,249**
[13] A1

[51] **Int.Cl. B63B 17/00 (2006.01) B32B 3/08 (2006.01) B63B 23/64 (2006.01) D06N 7/00 (2006.01)**

[25] EN
[54] **UNIVERSAL COVER**

[54]
[72] BAIRD, DAVID, US
[72] STITH, CALEB, US
[71] DOWCO, INC., US
[22] 2019-10-10
[41] 2021-04-09
[62] 3,058,300
[30] US (16/597,823) 2019-10-09

[21] **3,152,262**
[13] A1

[25] EN
[54] **INTEGRATION OF HIGH FREQUENCY RECONSTRUCTION TECHNIQUES WITH REDUCED POST-PROCESSING DELAY**

[54] **INTEGRATION DE TECHNIQUES DE RECONSTRUCTION HAUTE FREQUENCE A RETARD POST-TRAITEMENT REDUIT**

[72] KJOERLING, KRISTOFER, US
[72] VILLEMOS, LARS, US
[72] PURNHAGEN, HEIKO, US
[72] EKSTRAND, PER, US
[71] DOLBY INTERNATIONAL AB, NL
[22] 2019-04-25
[41] 2019-10-31
[62] 3,098,295
[30] US (62/662,296) 2018-04-25

[21] **3,152,266**
[13] A1

[51] **Int.Cl. C12N 1/19 (2006.01) C12N 9/00 (2006.01) C12N 9/24 (2006.01) C12N 15/52 (2006.01) C12N 15/56 (2006.01) C12N 15/80 (2006.01) C12P 1/02 (2006.01) C12P 7/06 (2006.01) C12P 19/00 (2006.01) C12P 19/14 (2006.01)**

[25] EN
[54] **YEAST EXPRESSING SACCHAROLYTIC ENZYMES FOR CONSOLIDATED BIOPROCESSING USING STARCH AND CELLULOSE**

[54] **LEVURE A EXPRESSION D'ENZYMES SACCHAROLYTIQUES POUR LA TRANSFORMATION BIOLOGIQUE CONSOLIDEE AU MOYEN D'AMIDON ET DE CELLULOSE**

[72] BREVNOVA, ELENA, US
[72] MCBRIDE, JOHN E., US
[72] WISWALL, ERIN, US
[72] WENGER, KEVIN S., US
[72] CAIAZZA, NICKY, US
[72] HAU, HEIDI H., US
[72] ARGYROS, AARON, US
[72] AGBOGBO, FRANK, US
[72] RICE, CHARLES F., US
[72] BARRETT, TRISHA, US
[72] BARDSLEY, JOHN S., US
[72] FOSTER, ABIGAIL S., US
[72] WARNER, ANNE K., US
[72] MELLON, MARK, US
[72] SKINNER, RYAN, US
[72] SHIKHARE, INDRANEEL, US
[72] DEN HAAN, RIAAN, US
[72] GANDHI, CHHAYAL V., US
[72] BELCHER, ALAN, US
[72] RAJGARHIA, VINEET B., US
[72] FROEHLICH, ALLAN C., US
[72] DELEAULT, KRISTEN M., US
[72] STONEHOUSE, EMILY, US
[72] TRIPATHI, SHITAL A., US
[72] GOSSELIN, JENNIFER, US
[72] CHIU, YIN-YING, US
[72] XU, HAOWEN, US
[71] LALLEMAND HUNGARY LIQUIDITY MANAGEMENT LLC, HU
[71] STELLENBOSCH UNIVERSITY, ZA
[22] 2011-06-03
[41] 2011-12-08
[62] 2,801,577
[30] US (61/351,165) 2010-06-03
[30] US (61/420,142) 2010-12-06

[21] **3,152,286**
[13] A1

[51] **Int.Cl. A61B 5/055 (2006.01) A61B 5/08 (2006.01)**

[25] EN
[54] **SYSTEMS AND METHODS FOR ASSESSING PULMONARY GAS TRANSFER USING HYPERPOLARIZED 129XE MRI**

[54] **SYSTEMES ET PROCEDES PERMETTANT D'EVALUER LE TRANSFERT GAZEUX PULMONAIRE PAR IRM AVEC DU 129XE HYPERPOLARISE**

[72] DRIEHUYS, BASTIAAN, US
[72] COFER, GARY PRICE, US
[71] DUKE UNIVERSITY, US
[22] 2007-10-02
[41] 2008-04-10
[62] 3,065,182
[30] US (60/827,983) 2006-10-03

[21] **3,152,410**
[13] A1

[25] EN
[54] **3,3-DISUBSTITUTED 19-NOR PREGNANE COMPOUNDS, COMPOSITIONS, AND USES THEREOF FOR THE TREATMENT OF CNS RELATED DISORDERS**

[54]
[72] UPASANI, RAVINDRA, B., US
[72] ASKEW, BENNY C., US
[72] HARRISON, BOYD, L., US
[72] SALITURO, FRANCESCO, G., US
[72] ROBICHAUD, ALBERT, J., US
[71] SAGE THERAPEUTICS, INC., US
[22] 2012-10-12
[41] 2013-04-18
[62] 2,852,057
[30] US (61/547,291) 2011-10-14
[30] US (61/698,204) 2012-09-07

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,152,571**

[13] A1

[51] **Int.Cl. A23L 33/185 (2016.01) A23L 5/20 (2016.01) A23L 33/10 (2016.01) A23L 33/115 (2016.01) A23D 7/00 (2006.01) A23G 1/32 (2006.01) A23G 1/48 (2006.01) A23J 1/00 (2006.01) A23J 3/14 (2006.01) A23J 3/22 (2006.01) A23L 2/66 (2006.01) A23L 3/3526 (2006.01) C12G 3/00 (2019.01) A23L 13/00 (2016.01) C07K 14/37 (2006.01) C07K 14/415 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR CONSUMABLES**

[54]

[72] VRLJIC, MARIJA, US

[72] SOLOMATIN, SERGEY, US

[72] FRASER, RACHEL, US

[72] BROWN, PATRICK O'REILLY, US

[72] KARR, JESSICA, US

[72] HOLZ-SCHIETINGER, CELESTE, US

[72] EISEN, MICHAEL, US

[72] VARADAN, RANJANI, US

[71] IMPOSSIBLE FOODS INC., US

[22] 2014-01-13

[41] 2014-07-17

[62] 2,897,602

[30] US (61/751,816) 2013-01-11

[30] US (13/941,211) 2013-07-12

[30] US (61/908,634) 2013-11-25

[21] **3,152,606**

[13] A1

[25] EN

[54] **VARIABLE DOSE DISPENSING SYSTEM**

[54] **DISTRIBUTION DE DOSE VARIABLE DE MEDICAMENT**

[72] UTECH, THOMAS, US

[72] DAVIS, KIM E., US

[72] JASKELA, MARIA C., US

[71] CAREFUSION 303, INC., US

[22] 2014-01-22

[41] 2014-08-07

[62] 2,899,012

[30] US (13/754,724) 2013-01-30

[21] **3,152,700**

[13] A1

[25] EN

[54] **DYE DISPENSING SYSTEM**

[54] **SYSTEME DE DISTRIBUTION DE COLORANT**

[72] MACEDO, LEILANI M., US

[72] BROWN, CHARLES D., US

[72] MACEDO, JEFFREY F., US

[72] D'ALESSANDRO, STUART, US

[72] MUNZ, CHRISTOPHER, US

[72] PLOETNER, JEFFREY S., US

[71] CLICS, LLC, US

[22] 2019-04-17

[41] 2019-10-24

[62] 3,097,132

[30] US (15/956,490) 2018-04-18

[21] **3,152,856**

[13] A1

[51] **Int.Cl. F42B 10/46 (2006.01) F42B 10/22 (2006.01) F42B 10/42 (2006.01) F42B 12/06 (2006.01)**

[25] EN

[54] **PROJECTILE WITH ENHANCED BALLISTICS**

[54] **PROJECTILE A BALISTIQUE AMELIOREE**

[72] MAHNKE, JOSHUA, US

[71] G9 HOLDINGS, LLC, US

[22] 2015-04-30

[41] 2016-01-14

[62] 2,982,305

[30] US (61/986,296) 2014-04-30

[30] US (62/145,814) 2015-04-10

[21] **3,153,317**

[13] A1

[25] EN

[54] **A DEVICE FOR TRAVERSING AN OBJECT**

[54]

[72] HAYDEN, GARY JAMES, AU

[71] WHITE PUMA PTY LIMITED, AU

[22] 2011-10-19

[41] 2012-04-26

[62] 3,049,879

[30] US (61/394,764) 2010-10-19

Index of Canadian Patents Issued

April 12, 2022

Index des brevets canadiens délivrés

12 avril 2022

10353744 CANADA LTD.	3,061,225	ALON, ALEX	2,939,664	ASSA ABLOY ACCESSORIES	
15 SECONDS OF FAME, INC.	3,029,973	ALPA LUMBER INC.	2,851,461	AND DOOR CONTROLS	
1VALET CORP.	3,115,844	AMAZON TECHNOLOGIES, INC.	2,919,839	GROUP, INC.	3,020,942
3M INNOVATIVE PROPERTIES COMPANY	2,934,647	AMAZON TECHNOLOGIES, INC.	2,980,590	ASSELIN, EDOUARD	3,032,992
3M INNOVATIVE PROPERTIES COMPANY	2,960,595	AMAZON TECHNOLOGIES, INC.	3,132,019	ASSOCIATION POUR LA	
A.H.M.S., INC.	3,007,302	AMGEN INC.	2,904,725	RECHERCHE ET LE	
A.K. TECHNICAL LABORATORY, INC.	2,981,967	AN, HYE JIN	3,066,717	DEVELOPPEMENT DES	
ABB SCHWEIZ AG	3,065,791	ANASTASAKOS, TASOS	2,913,735	METHODES ET	
ABBADI, AMINE	2,998,666	ANDERSON, ANDREW G.	2,901,002	PROCESSUS	2,939,133
ABBVIE BIOTECHNOLOGY LTD.	3,032,974	ANDERSON, BLAKE ANDREW	3,027,536	ASTELLAS PHARMA INC.	2,927,518
ACCELOVANT TECHNOLOGIES CORPORATION	3,117,948	ANDERSON, BRUCE J.	2,860,960	ASTRAZENECA AB	2,928,004
ACCUTECH, INC.	3,043,524	ANDERSON, DOUGLAS	2,971,909	ATOMIC ENERGY OF	
ACHARD, PATRICK	2,939,133	ANDERSON, ERIC R.	2,912,748	CANADA LIMITED /	
ADAMS, MARK	3,037,854	ANDERSON, IAN	2,919,195	ENERGIE ATOMIQUE DU	
ADEFRIS, NEGUS B.	2,934,647	ANDERSON, LEX AARON	3,049,531	CANADA LIMITEE	2,933,265
ADEKA CORPORATION	2,978,401	ANDERSON, MICHAEL KIM	3,067,900	AUBEE, NORMAN	2,973,184
ADEL WIGGINS GROUP, A DIVISION OF TRANSDIGM, INC.	3,003,412	ANDERSON, PHILIP D.	3,032,974	AUFFRAY, CLEMENTINE	3,084,884
ADVANCED FILTRATION SYSTEMS, INC.	3,092,446	ANDERSON, RICHARD N.	3,072,088	AUSTIN ENGINEERING USA	
ADVANCED NEW TECHNOLOGIES CO., LTD.	3,058,225	ANDRITZ AG	2,946,456	SERVICES, INC.	2,846,981
ADVANCED NEW TECHNOLOGIES CO., LTD.	3,061,783	ANGHILERI, MARCO	2,952,778	AUSTRUY, JULIEN MICHEL	
ADVANCED NEW TECHNOLOGIES CO., LTD.	3,110,589	ANGLO AMERICAN TECHNICAL & SUSTAINABILITY SERVICES LTD	3,082,348	PATRICK CHRISTIAN	2,936,046
AFINITI, LTD.	3,061,637	ANGUIANO IGEEA, M SOLEDAD F	2,950,478	AUTONOMOUS MARINE SYSTEMS, INC.	2,907,568
AGOSTINI, FRANCESCO	3,065,791	ANQUETIL, JEROME	2,913,261	AUVRAY, CHRISTIAN	2,932,450
AHLSTROM-MUNKSJO OYJ	3,049,829	AOKI, MASASHI	3,080,031	AUZILLON, PIERRE	
AIRBUS DEFENCE AND SPACE SAS	3,128,728	AOKI, SHIGETO	2,981,967	GUILLAUME	2,955,738
AIRCELLE	2,921,915	AOKI, TETSUYA	2,978,689	AYAL, SHARON	3,021,575
AIRCLEAN SYSTEMS	3,088,680	APPLIED GRAPHENE MATERIALS UK LIMITED	3,146,492	AYDIN, BAYRAM	2,924,730
AIRWAY TECHNOLOGIES, LLC	3,081,381	ARAKANE, TORU	2,940,435	BACALLAO, ROBERT	2,959,189
AJINOMOTO CO., INC.	2,899,818	ARATANA THERAPEUTICS, INC.	3,074,794	BACKSTROM, JOHAN U.	3,055,430
ALDRICH, CHRIS	3,065,353	ARCHAMBAULT, MICHAEL	3,015,844	BAHR, DAVE WAYNE	3,077,967
ALEXANDER, DANIEL JOHN	3,082,348	ARCTIC CAT INC.	2,887,275	BAIAZITOV, RAMIL	2,922,657
ALLEN, GARY ROBERT	2,923,187	ARCTIC CAT INC.	3,042,811	BAKER, THOMAS R.	2,792,798
ALLERGAN, INC.	2,967,401	ARGYROS, AARON	2,807,561	BAKER, THOMAS R.	2,809,713
ALLOTT, MARK T.	3,092,446	ARMSTRONG, BRUCE A.	3,074,327	BALAKRISHNAN, HARI	3,030,826
ALLSTATE INSURANCE COMPANY	3,033,961	ARMSTRONG, PATRICIA M.	3,075,359	BALASUBRAMANIAN, SUNDAR	2,938,883
ALLSTATE SOLUTIONS PRIVATE LIMITED	3,039,495	ARRIS ENTERPRISES LLC	3,049,531	BALESTRA, MICHAEL	2,928,004
		ARTAMO, ARVI	2,936,021	BALLESTAD, ANDERS	2,890,373
		ARTERIAL STIFFNESS INC	2,846,650	BANIK, ROBERT	3,050,103
		AS AMERICA, INC.	3,077,076	BARAN, ZYGMUNT	3,098,314
		ASCENDIS PHARMA ENDOCRINOLOGY DIVISION A/S	3,004,716	BARIBEAU, FRANCOIS	2,995,292
		ASCENSIA DIABETES CARE HOLDINGS AG	2,557,690	BARKHOUSE, AARON	3,061,443
		ASHILI, SRINIVAS	2,937,417	BARNES, GAVIN A.	2,991,636
				BARSOUM, WAEL K.	3,054,709
				BARTHIPUDI, VENKATA NAGA MANOJ	3,049,671
				BASF PLANT SCIENCE GMBH	2,998,666
				BASF SE	2,924,730
				BASSI, CORRADO	3,046,364
				BATES, JAMES	3,050,103
				BATTELLE MEMORIAL INSTITUTE	3,089,222
				BAUDUIN, LIONEL	2,945,728

Index des brevets canadiens délivrés

12 avril 2022

BAUER, JORG	2,998,666	BOATO INTERNATIONAL		CAI, ZHIJUN	3,066,273
BAUER, WALTER JACOB	3,123,322	S.P.A. A SOCIO UNICO	2,937,082	CAILLOUX, ROBIN	3,132,842
BAUM, DAVID	2,926,271	BOCKS, STEFAN	2,944,932	CAIMI, RENATO	2,941,833
BAYER		BODEN, JOHN T.	2,934,647	CAIMI, RENATO	2,943,735
AKTIENGESELLSCHAFT	2,941,901	BOEHRINGER INGELHEIM		CAIROLI, PIETRO	3,065,791
BEACH, RYAN	2,992,236	VETMEDICA GMBH	2,913,828	CALL, RAYMOND LEE II	3,024,116
BEARNE, PETER DAVID		BOERGER, JAMES C.	3,044,114	CAMBRIDGE MOBILE	
ALEXANDER	2,919,449	BOGDANOV, VICTOR	3,026,702	TELEMATICS, INC.	3,030,826
BEAULIEU, ANDREW	2,953,389	BOHM, SEBASTIAN	3,075,140	CAMMISH, NEIL BENTLEY	2,919,195
BEAVIS, ANDREW	3,042,811	BOIES, DANIEL	2,913,735	CAMPAGNA, MATTHEW	
BEAVIS, RUSSELL H.	3,059,992	BOLENDER, OLIVER	3,073,120	JOHN	2,980,590
BECH, LENE MOLSKOV	2,744,836	BOLIN, LORI	2,809,713	CANADIAN ENERGY	
BECKHOFF AUTOMATION		BOND, TIMOTHY TYLER	3,096,769	SERVICES L.P.	2,869,176
GMBH	3,106,715	BONTU, CHANDRA SEK HAR	3,066,273	CANON KABUSHIKI KAISHA	2,946,499
BECTON, DICKINSON AND		BORDENAVE, NICOLAS	2,938,883	CARBAUGH, ERIC	2,886,832
COMPANY	3,050,103	BORSE, NITIN	2,973,184	CARDAMONE, DAVID P.	3,020,858
BECTON, DICKINSON AND		BOTEK		CAREFUSION 303, INC.	2,931,970
COMPANY	3,066,834	PRAZISIONSBOHRTECHN		CAREGEN CO., LTD.	3,074,800
BECTON, DICKINSON AND		IK GMBH	3,102,415	CAREY, DANE	2,882,204
COMPANY	3,076,077	BOUCHARD, ANDRE	3,053,067	CAREY, STEPHEN DANE	2,885,942
BEERS, WILLIAM WINDER	2,923,187	BOUCHARD, ANNIE	3,039,596	CARLSBERG BREWERIES A/S	2,744,836
BEHAN, NIALL	3,063,081	BOUDEBIZA, TEWFIK	2,936,046	CARNEY, JOHN JOSEPH	2,922,934
BEIER, MARKUS	3,111,870	BOULET, DANIEL A.	2,860,960	CARPIN MANUFACTURING,	
BEIJING DIDI INFINITY		BOUMSELLEK, SAID	2,901,002	INC.	3,004,647
TECHNOLOGY AND		BOURASSA, GUY	3,083,136	CARPINELLA, RALPH	3,004,647
DEVELOPMENT CO., LTD.	3,027,921	BOURASSA, KENNETH C.	3,044,114	CARRIER CORPORATION	3,071,170
BELDEN INC.	2,956,027	BOYLE, GLEN MATHEW	2,909,653	CARRIER, GAETAN	3,070,134
BELGRADER, PHILLIP	3,075,139	BRADLEY, WILLIAM		CARRIERE, CELINE	2,871,184
BELL, A	3,146,492	FRANCIS	3,030,826	CARTER, PAMELA J.	3,042,814
BENE, ERIC	3,066,834	BRADY, ANDREW	3,033,291	CARTER, WILLIAM	3,042,814
BENE, ERIC	3,076,077	BRAGG, CHARLES	3,060,164	CARTER, WILLIAM	3,061,385
BENICHO, NETANEL	3,059,201	BRAINLAB AG	3,056,260	CARVAJAL, GUSTAVO	2,879,773
BENNETT, IAN ROBERT	3,065,249	BRANDT, SCOTT A.	2,799,505	CATALYST RECOVERY	
BENNETT, NATHAN L.	3,042,418	BREDDAM, KLAUS	2,744,836	EUROPE S.A.	2,943,868
BENNI, LUCA	2,950,243	BREEBAART, DIRK J.	3,043,057	CATERPILLAR INC.	3,092,446
BENTFELD, LUKAS	3,106,715	BRENNEKE, DOUGLAS		CATOVIC, ENEJ	3,032,729
BERCEAU, PAUL	3,128,728	DAVID	2,956,027	CESKA ZBROJOVKA A.S.	3,020,353
BERKELEY LIGHTS, INC.	2,945,395	BRIDEN, NEIL ANTHONY	2,933,265	CETTI, JONATHAN ROBERT	3,065,591
BERLIANT, IGOR	2,976,275	BRINKMANN, ROLF	3,106,715	CHANG GUNG UNIVERSITY	3,049,487
BERNSTEIN, PETER ROBERT	2,928,004	BRIOSCHI, SERGIO	2,940,492	CHANG, CHUN-CHIEH	3,002,650
BERRY, LEANNE	2,990,929	BROOKS, ANDREW	3,044,114	CHANG, TSUN YU	3,002,650
BERTELLI & PARTNERS S.R.L.	3,036,267	BROSSETTE, STEPHEN E.	2,931,970	CHANGS ASCENDING	
BERTELLI, PIERLUIGI	3,036,267	BROUILLAC, NICOLAS	3,070,134	ENTERPRISE CO., LTD.	3,002,650
BESPAK EUROPE LIMITED	2,919,195	BROUILLETTE, MARC	2,886,617	CHAPELAIN, LOIC	2,921,915
BETSER, ALEXANDER	3,029,973	BROWN, BOB DALE	2,804,214	CHAPPELL, RON	2,882,204
BEURDEN, JASON VAN	3,011,836	BRUEHWILER, MICHEL	3,050,103	CHAPPELL, RONALD	2,885,942
BHAT, MANISHA	3,042,814	BRUGGER, JEROME	3,080,082	CHARBONNEAU, MATHIEU	3,083,136
BHATTACHARYA,		BRUNI, GIUSEPPE	3,079,084	CHARIER, GILLES ALAIN	2,936,046
MANOJEET	3,093,236	BRYAN, JASON A.	3,054,709	CHARIGNON, SEBASTIEN	3,049,829
BI, BAOYUN	3,050,486	BRYANT, ROBERT J., JR.	3,075,359	CHARRIER, CEDRIC	2,821,032
BIAN, HAIYAN	2,978,158	BUCHER, CHRISTOPHE	3,077,076	CHAUHAN, ABHISHEK	3,112,002
BIANCHI, ROBERTO	2,974,890	BUCHINE, BRENT	2,905,207	CHAUHAN, SANJEEV	3,042,814
BIBIENNE, THOMAS	3,083,136	BUILDING MATERIALS		CHEN, JIE	3,007,302
BIERI, KURT	2,967,289	INVESTMENT		CHEN, JIMENG	3,120,214
BIERI, KURT	2,970,634	CORPORATION	2,912,748	CHEN, SHEBIAO	3,068,896
BIESBROUCK, LOUIS	2,978,088	BUNCH, ABDU Y.	3,003,621	CHEN, TONGWEN	3,055,430
BIO-RAD LABORATORIES,		BURD, SAMUEL	3,075,139	CHEN, WANSHI	3,060,451
INC.	3,075,139	BURGERT, STEPHANE	3,132,842	CHEN, XI	3,077,238
BIOHAVEN THERAPEUTICS		BURRUS, CHRIS L.	3,060,159	CHEN, XIANG	3,077,238
LTD.	2,978,158	BURTON, DAVID	2,937,972	CHENG, PENG	3,060,451
BIOSYNTH S.R.L.	2,897,272	CABRIT, SEBASTIEN	3,109,307	CHENG, XI	3,066,680
BLACKBERRY LIMITED	3,066,273	CABRIT, SEBASTIEN	3,128,969	CHERNOV-HARAEV, ARTEM	
BLEAU, ALEXANDRE	3,015,844	CADABAM, NAGESH		NICOLAEVICH	3,044,824
BLOMSMA, ERWIN	3,074,794	PRADHAN	3,132,019	CHEVIGNY, ALAIN	2,886,617

Index of Canadian Patents Issued April 12, 2022

CHEVRON U.S.A. INC.	3,055,030	CULPEPPER, PATRICK M.	2,992,236	DEXCOM, INC.	3,075,140
CHHUOY, HUN	3,038,805	CUNNINGHAM, DAN	3,074,327	DI GIACOMO, VALERIA	2,952,778
CHIKOSHA, LYNN	3,146,492	CURLIER, AUGUSTIN	2,936,046	DIBER, ALEX	3,021,575
CHIOU, HENRY C.	3,051,089	CURLIER, AUGUSTIN	2,947,121	DICERNA	
CHISHTI, ZIA	3,061,637	CUTRIN GOMEZ, M ELENA	2,950,478	PHARMACEUTICALS,	
CHIYODA CORPORATION	2,941,705	CUTSFORTH, INC.	3,020,927	INC.	2,804,214
CHOI, SOONGYU	3,081,033	CUTSFORTH, ROBERT S.	3,020,927	DICKSON24 INC.	3,116,904
CHONG, JONATHAN WUN		CVP CLEAN VALUE		DIETL, HARALD	2,924,730
SHIUNG	2,980,731	PLASTICS GMBH	2,898,339	DIETZ, WOLFGANG	2,951,862
CHONG, KOWIT-YU	3,049,487	CYTEC INDUSTRIES INC.	2,968,266	DIJKMAN, HENDRIK	2,923,057
CHOW, SEAN	3,059,201	DAEWOO		DIMET, DOTAN	3,021,575
CHRIST, ALEXANDER	2,913,828	PHARMACEUTICAL CO.,		DIPPENAAR, ANDRIES	
CHUJO, IWAO	3,080,031	LTD.	3,081,033	PETRUS JOHANNES	2,919,839
CHUMAKOV, ILYA	2,940,442	DAHER AEROSPACE	2,929,383	DIXON, DAVID	3,032,992
CHUNG, HAE YOUNG	3,066,717	DAHLSTRAND, CHRISTIAN	2,933,848	DOBBYN, GREGORY J.	3,088,680
CHUNG, YONG JI	3,074,800	DALE, ASHLYNNE	3,109,307	DOBLER, DANIEL	2,945,844
CHW AS	3,026,636	DAMAGHI, DANIEL	3,095,203	DOLBY LABORATORIES	
CICCOLA, GABRIELE F.	3,074,090	DAMBACH, STEFAN	2,924,730	LICENSING	
CIECHA, HERNAN	2,925,666	DAMBERG, GERWIN	2,890,373	CORPORATION	3,043,057
CIRPUS, PETRA	2,998,666	DARNELL, IAN	2,919,195	DOLLE, MICKAEL	3,083,136
CISNEROS, MARIA	3,051,089	DASHAMERICA, INC. D.B.A.		DOMERGUE, FREDERIC	2,998,666
CITRIX SYSTEMS, INC.	3,112,002	PEARL IZUMI USA, INC.	3,073,339	DONALD, SEAN MATTHEW	3,058,181
CLARK EQUIPMENT		DAVIDSON, GRANT A.	3,043,057	DONALDSON COMPANY, INC.	3,092,446
COMPANY	2,929,820	DAVIS, RONALD V.	2,959,584	DONG, LIYUN	3,061,783
CLARK, WILLIAM THOMAS	2,956,027	DE BRUIJN, SERGE	3,074,794	DONOVAN, BRIDGET	3,047,243
CLAUSEN, JEFFERY RONALD	3,058,181	DE GRISARD, BENJAMIN	2,939,133	DOUCE, NORMAN	2,918,434
CLEAR RUSH CORPORATION	3,065,353	DE LUCA OVEN		DOUGHERTY, BRIAN C.	3,010,024
CLERE, GERARD	2,921,915	TECHNOLOGIES, LLC	2,989,426	DOYLE, TIMOTHY P.	3,074,090
CMECH (GUANGZHOU) LTD.	3,063,382	DE LUCA, NICHOLAS P.	2,989,426	DRAGER, RALF	2,941,848
CNC INDUSTRIES LTD.	2,886,832	DE ROSSI, UMBERTO	3,073,120	DRAKE, FRANK	3,025,861
COBRA FIXATIONS CIE LTEE		DE SOUSA, LUIS	2,945,221	DREZGA, DANIJEL	2,951,862
- COBRA ANCHORS CO.		DEAN, H. DAVID	3,070,619	DU, WU	2,922,657
LTD.	3,053,067	DEANGELIS, DOUGLAS J.	3,062,128	DUBOIS, ZERLINA GUZDAR	3,065,591
COE, WILLIAM B.	3,094,383	DEBAD, JEFF D.	3,006,231	DUDEK, HENRYK T.	2,804,214
COHEN, DANIEL	2,940,442	DEBNATH, RATAN	3,061,443	DUFFEY, KEAN	2,926,795
COKONAJ, VALERIJAN	2,945,995	DECK, CHRIS	2,949,181	DUNCAN, DAVID	2,857,326
COLE, RUSSELL	3,076,077	DEEDRICH, DENNIS M.	3,092,446	DUONG, HA V.	2,998,798
COLGATE-PALMOLIVE		DEEG, JUERGEN	3,102,415	DURVASULA, SREENIVAS	3,049,671
COMPANY	2,967,289	DEGOTT, PIERRE	2,951,851	DZHURINSKIY, DMITRY	3,098,314
COLGATE-PALMOLIVE		DEHAVEN, J. GREGORY	3,060,159	ECOLAB USA INC.	2,959,584
COMPANY	2,970,634	DEHEZ, BRUNO	2,943,848	EDMUNDS, ANDREW	2,934,780
COLOPLAST A/S	3,063,081	DEIRMENGIAN, CARL R.	3,020,858	EDWARDS LIFESCIENCES	
COLSTON, BILLY WAYNE, JR.	3,075,139	DEKA PRODUCTS LIMITED		CORPORATION	3,059,201
COMRIE, DOUGLAS C.	3,059,168	PARTNERSHIP	3,059,992	EINSPANIER, ALMUTH	3,009,282
COMTOIS, MARK C.	3,026,696	DEKA PRODUCTS LIMITED		EISENMENGER, RICHARD J.	3,092,446
CONDER, RYAN	3,065,274	PARTNERSHIP	3,075,359	EISNER, NOAH ANTHONY	3,132,019
CONGDON, THOMAS W.	3,060,524	DEL'GUIDICE, THOMAS	2,981,716	EKMAN, MATT	2,919,195
CONSTANTINEAU, COLE	3,050,103	DEMATIC CORP.	2,954,055	ELECTRONIC WARFARE	
CONTINI, VINCENT J.	3,089,222	DEPARTMENT OF VETERANS		ASSOCIATES, INC.	3,000,710
COOKE, DONALD P., JR.	3,060,159	AFFAIRS	3,099,852	ELEDA S.R.L.	2,941,833
COOPER, DAVID M.	3,043,057	DERENZY, DAVID	3,075,140	ELEDA S.R.L.	2,943,735
COOPER, STEVE JOHN	2,897,186	DERMALIQ THERAPEUTICS,		ELI LILLY AND COMPANY	3,071,383
CORDEIRO, MICHAEL	3,053,184	INC.	3,111,870	ELLEGAARD, MERETHE	2,929,638
CORDILL, CRAIG RICHARD	3,067,900	DESALLAIS, LUCILLE	2,843,665	ELLSON, RICHARD N.	3,077,972
CORPORATION GENACOL		DESHPANDE, GIRISH		EMMANUEL, EYAL	3,021,575
CANADA INC.	2,950,096	VISHNUKANT	2,968,266	ENDERT, GUIDO	2,913,828
CORRIGAN, SEAN	3,032,974	DESHPANDE, SACHIN G.	2,977,718	ENDOGENE LIMITED	3,044,824
COSCIA, ANTONIO	3,032,683	DESPLAND, CLAUDE-ALAIN	2,951,851	ENG, HANS PETTER	3,016,225
COURTADE, SERGIO FABIO	2,920,511	DESPOIS, AUDE	3,046,364	ENG, HANS PETTER	3,107,921
COUTURE, PIERRE-ANDRE	3,015,844	DETNET SOUTH AFRICA		EREZ, ADI	3,075,033
COX, MICHAEL JOHN HENRI	2,919,449	(PTY) LTD	2,978,108	EREZ, ODED	3,075,033
CRAMER, GUY	3,086,351	DETNET SOUTH AFRICA		ERGANG, NICHOLAS S.	2,959,584
CRAYCRAFT, BRIAN T.	3,060,159	(PTY) LTD	2,985,865	ERICKSON, DENNIS	2,846,740
CULLER, SCOTT R.	2,934,647	DEVLOO, GERARD	2,960,677	ESPINASSE, PHILIPPE	2,947,785

**Index des brevets canadiens délivrés
12 avril 2022**

ETHIER, ADRIENNE LYNN MCKAY	2,933,265	G2 TURFTOOLS, INC.	3,099,064	GOSS, RICHARD	2,930,492
EUT EDELSTAHL UMFORMTECHNIK GMBH	3,076,442	GAAL, PETER	3,060,451	GOTO, TAKAYUKI	2,927,518
EVANS, AMY PATRICE	3,059,554	GAID, ABDELKADER	2,951,100	GRAY, JASON	2,869,176
EVANSEN, EDWARD G.	3,062,128	GAL, ELI	3,059,554	GRAY, LARRY B.	3,059,992
EVELEIGH, ROBERT B.	2,809,713	GALEN, PETER	3,036,207	GREEN CROSS CORPORATION	3,081,033
EVOGENE LTD.	3,021,575	GALKIN, MAXIM	2,931,672	GREENFIELD, JAMES ALFRED GORDON	2,919,839
EYESENSE AG	2,920,699	GALSWORTHY, DAVID ANDREW	3,027,536	GRILLENBERGER, RALF	3,111,870
F. HOFFMANN-LA ROCHE AG	2,901,832	GANG, MICHAEL	3,021,575	GRIMBERG, BRIAN T.	3,036,207
F. HOFFMANN-LA ROCHE AG	2,926,893	GAREIS, GALEN MARK	2,956,027	GRIMES, ERIC	3,053,184
F. HOFFMANN-LA ROCHE AG	2,997,037	GARNAAT, CARL W.	2,992,347	GRISOLIA, ANTHONY	3,056,823
FAN, ZHAOPENG	2,846,650	GARROW, JAMES WILLIAM WILTSHIRE	3,117,948	GRONBACH K.S.	2,944,932
FANTINI, SERGIO	2,934,869	GATTI, RICCARDO	2,974,890	GROSSE-VEHNE, KLEMENS	2,960,421
FARHADIROUSHAN, MAHMOUD	3,055,030	GENENTECH, INC.	2,990,929	GROVER, DAVID	3,077,076
FAVERO, CEDRICK	2,946,467	GENENTECH, INC.	3,088,612	GRUPP, DANIEL E.	3,036,207
FEIT ELECTRIC COMPANY, INC.	3,021,693	GENERAL DYNAMICS ORDNANCE AND TACTICAL SYSTEMS - CANADA, INC.	2,945,221	GU, JIE	3,066,680
FELDAN BIO INC.	2,981,716	GENERAL ELECTRIC COMPANY	3,049,204	GU, QU-MING	3,011,572
FENG, PAUL C. C.	2,992,347	GENERAL ELECTRIC COMPANY	3,064,882	GUAN, YUNFENG	3,004,650
FENNELL, ROBERT PHIL	2,968,266	GEORGE, PAUL E.	3,089,222	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	3,068,896
FERGUSON, ANDREW M.	2,986,438	GEOSPECTRUM TECHNOLOGIES INC	3,074,327	GUANGZHOU MAXINOVEL PHARMACEUTICALS CO., LTD.	2,993,096
FERRARO, DAVID	3,004,647	GEOTECH TECHNOLOGIES LTD.	3,075,033	GUAY, DAVID	2,981,716
FIENUP, WILLIAM	3,032,974	GERACI, ANDREW S.	3,026,702	GUERRERO, GHISLAIN	3,097,249
FILMER, ANTHONY OWEN	3,082,348	GERASIMOS, KONSTANTATOS	3,061,443	GUGLIELMINO, SCOTT	2,974,890
FIRIS, JAMES WILLIAM	3,060,082	GERCKE, ALEXANDER	2,898,339	GUILLEMONT, MAXENCE	2,945,728
FISHER & PAYKEL HEALTHCARE LIMITED	2,919,449	GERMAIN, CHRISTOPHER	2,930,492	GUILLOIS, DENIS	2,921,915
FISHER & PAYKEL HEALTHCARE LIMITED	3,011,836	GERRESHEIMER GLASS INC.	3,083,229	GUO, SHUCHUN	3,077,238
FISHER, JOHN P.	3,070,619	GIBSON, TIMOTHY W.	3,033,961	GUPTA, RIJUL	3,064,427
FISS, ELLEN H.	2,901,832	GILL, PARAMDEEP	2,886,832	GUPTA, UMUT ATAKAN	3,036,207
FLASINSKI, STANISLAW	3,062,341	GILLET, KEVIN	3,132,019	GUTIERREZ, ISMAEL	3,001,602
FLAUM, ISER B.	3,000,710	GINDELE, GREG	3,038,805	GV ENGINEERING GMBH	2,960,421
FLECHTNER, KEN-DOMINIC	3,069,050	GINGRAS, DAVID	3,015,844	GYRUS MEDICAL LIMITED	2,907,701
FLOREY, GUILLAUME	3,046,364	GIROD, LEWIS DAVID	3,030,826	HAAPALAHTI, TEUVO	2,906,721
FLOSSMANN, SVEN	3,056,260	GIRONDI, GIORGIO	2,939,422	HAARER, STEVEN R.	3,072,088
FLOWERVE MANAGEMENT COMPANY	2,982,470	GIVANT, ARIEL	2,928,999	HACK, HARVEY P.	3,056,624
FLSMIDTH A/S	2,940,492	GLATTBACH, JOACHIM	3,044,120	HACKER, JOHN R.	3,092,446
FONSECA, AGUSTIN E.	2,992,347	GLEZER, ELI N.	3,006,231	HADDAD, YARIV	2,939,664
FONTEM HOLDINGS 1 B.V.	3,065,482	GLINA, YAN	2,945,663	HAGEN, ROBERT	2,926,679
FORBES MICHAEL	3,055,430	GLOBAL ORTHOPAEDIC TECHNOLOGY PTY LIMITED	2,923,305	HALAC, JASON	3,075,140
FORG, CHRISTIAN	2,950,235	GLOBAL TONIC LLC (D/B/A THE PERIOGEN COMPANY)	2,971,909	HALAHMI, IZHAR	3,075,033
FORUM US, INC.	3,064,992	GODLEY, EWAN	2,960,746	HALE, JONATHAN ROBERT	2,869,176
FORUM US, INC.	3,065,001	GOELTZ, JOHN	2,926,795	HALLIBURTON ENERGY SERVICES, INC.	3,065,497
FRAIWAN, ARWA	3,036,207	GOLD, EVGENIA	3,021,575	HALLIBURTON ENERGY SERVICES, INC.	3,076,596
FRAUNHOFER- GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	3,024,819	GOLDSTEIN, MICHAEL WILLIAM	3,117,948	HALLIWELL, BRIAN	3,021,693
FREEMAN, RICHARD S.	3,057,723	GOLM, MICHAEL	3,027,360	HAMAGUCHI, WATARU	2,927,518
FRETTS, JOEL	2,951,032	GOMEZ AMOZA, JOSE LUIS	2,950,478	HAMBRAEUS, GUSTAV	2,744,836
FREY, STEPHAN-MICHAEL	2,997,037	GOMMERMAN, JENNIFER	3,086,661	HAMILTON, CRAIG JAMES	2,944,328
FRIDRICH, HEINZ	2,952,729	GORDON, GREGORY	3,019,295	HAMROCK, STEVEN J.	2,960,595
FRYE, CHRISTOPHER CARL	3,071,383	GORDON, NEIL	2,954,115	HANGZHOU WEBEN PHARMACEUTICALS INC	2,977,559
FUCHS ALAMEDA, STEFANIE	2,964,281	GORDON, VICTORIA ANNE	2,909,653	HAPPELL, SCOTT	2,960,746
FUH, GERMAINE	3,088,612	GORTZ, RAINER	3,064,669	HARATA, IKUE	2,899,818
FUJIKURA LTD.	3,071,356			HARDEN, DANIEL KENDALL	3,096,769
FUNAMOTO, SEIICHI	2,978,401			HARDER, DAVID B.	3,092,446
FURUKAWA, TOSHIKI	2,941,705			HARKNESS, DAVID H.	2,961,303
				HARKNESS, LAURA	2,938,883
				HARLANDER, FLORIAN	2,944,932
				HARLEV, OHAD	3,095,203

Index of Canadian Patents Issued April 12, 2022

HARMA, HARRI	2,928,992	HONG, SUNGRYONG	3,068,668	IRWIN, STEVE	3,076,077
HARTELL, WILLIAM DAVID	2,897,186	HONJO, ERIKO	2,927,518	ISAKA, HISASHI	3,044,199
HASAN, MUHAMMAD NOMAN	3,036,207	HOPFENSPERGER, ALEX J.	2,940,502	ISHIHARA SANGYO KAISHA, LTD.	2,943,031
HATCH, SCOTT	2,958,569	HORIZON GLOBAL AMERICAS, INC.	3,025,861	ISOLYNX, LLC	3,062,128
HAUSEN, DORIS	3,008,936	HORST, NICOLAS	3,132,842	ISPOT. TV, INC.	2,960,746
HAYER & BOECKER OHG	2,974,226	HOSHII, HIROAKI	2,927,518	ITOH, MASAYUKI	3,044,199
HAYAMA, HIROKI	2,956,631	HOU, JILEI	3,060,451	IVANOVA, ELENA	2,923,305
HE, DAZHI	3,004,650	HOVE, DARREN	3,060,524	IVASHIN, DMITRIY V.	2,901,002
HE, NING	3,055,430	HOVERTER, LORI	3,073,339	IVECO MAGIRUS AG	2,943,158
HE, WAN	3,077,238	HOWARD, RYAN JUSTIN	3,095,203	JACOBSEN, JOSEPH O.	3,096,769
HECK, LARRY	2,913,735	HOWDEN, TREVOR LORNE	3,066,386	JACOBSON, AARON	3,003,621
HECK, WOLFGANG	2,997,037	HOWMET AEROSPACE INC.	3,074,090	JANES, JOHN H.	3,060,159
HECKER, FRIEDRICH	2,951,964	HOYLE, MARK	2,998,798	JANG, SAMUEL M.	3,032,974
HECKMAN, GREGORY S.	2,845,897	HOYT, JOSHUA KING	3,036,207	JANSEN, MAURICE JEAN ROBERT	3,069,050
HEIBENTHAL, RANDALL W.	3,092,446	HSIEH, MONGJAN	2,938,883	JANSSEN BIOTECH, INC.	2,984,541
HEINEKEN SUPPLY CHAIN B.V.	2,744,836	HU, KAILIANG	3,110,589	JANSSEN, KELLY	3,053,943
HEINZ, ERNST	2,998,666	HUANG, DONG	3,077,238	JARRETT, ROBERT JAMES	2,908,006
HELBING, KYLE	3,078,701	HUANG, JIANLONG	3,061,783	JASMIN, SIMON	3,094,417
HELSON, LAWRENCE	3,039,596	HUANG, JINTAI	2,992,347	JCM AMERICAN CORPORATION	3,037,854
HEMEX HEALTH, INC.	3,036,207	HUESTIS, E. MICHAEL	3,029,973	JEFFREY-COKER, BANDELE	3,006,231
HEMSTOCK, CHRISTOPHER A.	3,006,558	HUGHES NETWORK SYSTEMS, LLC	3,108,786	JENKINS, BRIAN DENNIS	2,933,856
HENKE, KRISTOFER	2,886,832	HULIN, JEREMY	3,128,728	JENOSKI, RAYMOND	3,053,184
HERAEUS DEUTSCHLAND GMBH & CO. KG	2,964,281	HUNT, BARRY F	3,053,184	JEONG, HONG-SIL	3,001,602
HEREDIA, OSCAR	2,992,347	HUNTER DOUGLAS INC.	3,072,088	JETTI RESOURCES, LLC	3,032,992
HERSCHKOVITZ, YOAV	3,021,575	HUTCHINS, VIRGINIA TZUNG-HWEI	3,065,591	JEVTIC, JOVAN	2,905,929
HERSEL, ULRICH	3,004,716	HYDROVENT LLC	2,957,360	JFE STEEL CORPORATION	3,100,302
HESTER, JONATHAN	2,956,631	HYMEL, PATRICK A., JR.	2,931,970	JIA, DONGLIN	3,061,783
HIBBS, DEREK	2,951,032	HYPERSCIENCES, INC.	2,985,573	JIANGSU ATOM BIOSCIENCE AND PHARMACEUTICAL CO., LTD.	3,066,680
HIGAMI, TETSUYA	2,978,401	HYPERSTEALTH BIOTECHNOLOGY CORPORATION	3,086,351	JIMENEZ, EDUARDO J.	2,967,289
HILLE & MULLER GMBH	3,069,050	HYUNDAI MOTOR COMPANY	2,933,221	JIMENEZ, EDUARDO J.	2,970,634
HILLIAHO, ESA	2,906,721	I.M.A. INDUSTRIA MACCHINE AUTOMATICHE S.P.A.	2,950,243	JOHNSON, NOAH JOE	3,117,948
HILTI AKTIENGESSELLSCHAFT	2,950,235	IANNOTTI, JOSEPH P.	3,054,709	JOHNSTONE, JAMES	2,928,992
HILTON, THOMAS	3,089,791	IBACOS, INC.	3,056,823	JONES, JESSE	2,958,569
HINDSON, BENJAMIN JOSEPH	3,075,139	IDAN, ANAT	3,021,575	JONES, MEREDITH	3,051,089
HIRATA, KEI	2,942,256	IHLE, NATHAN	3,051,090	JORDAN, RACHEL LISA	2,938,883
HITCHCOCK, BRYAN WILLIAM	2,938,883	IKEDA, OSAMU	2,941,705	JORDAN, RICHARD K.	2,945,663
HITT, BRIAN J.	3,027,536	ILLINOIS TOOL WORKS INC.	3,047,590	JORNA, ANTONIUS JOHANNES	2,923,057
HIWATARI, KEN-ICHIRO	2,978,401	INDIANA UNIVERSITY RESEARCH & TECHNOLOGY CORPORATION	2,959,189	JOSHPE, BRETT TERRY	3,029,973
HOBSON, NICHOLAS ALEXANDER	3,011,836	INFINEUM INTERNATIONAL LIMITED	2,893,419	JUDD, CLINTON	2,904,725
HOCHEGGER, URSULA	2,946,456	INFOBRIDGE PTE. LTD.	3,092,392	JUHOLA, PENTTI	2,936,021
HOCHSTEIN, ALLAN H.	3,044,114	INNOVATED TRANSPORT SYSTEMS UG (HAFTUNGSBESCHRANK T)	2,928,797	JULIAN, JOSEPH F.	3,032,974
HODEL, JEREMY	3,077,929	INNOVATION HAMMER LLC	3,060,707	KADAM, SHASHIKANT	2,923,305
HODEL, JEREMY	3,077,931	INOSE, KEITA	3,064,361	KADAMUS, CHRIS	2,937,417
HOEKS, WILHELMUS ADOLFUS JOHANNES MARIE	2,907,797	INSTITUT DR. FOERSTER GMBH & CO. KG	2,951,964	KAJAK, PAWEL	2,983,496
HOFMANN, MICHAEL	2,898,339	INSTITUT NATIONAL D'OPTIQUE	2,995,292	KALA, SHARAD	3,132,019
HOGDIN, KATHARINA	2,928,004	INTERROLL HOLDING AG	3,025,202	KALOS, MICHAEL DEWAIN	3,071,383
HOGEMANN, THOMAS	3,008,936	INVIDI TECHNOLOGIES CORPORATION	2,860,960	KAMEN, DEAN	3,059,992
HOGSETT, DAVID A.	2,807,561	IROBOT CORPORATION	2,953,389	KANSAI PAINT CO., LTD.	3,044,199
HOLEMANS, WALTER	2,907,568			KAPLUN, MARINA M.	2,960,595
HOLLINGER, SCOTT A.	3,057,723			KARNAS, RYAN	3,042,814
HOLOGIC, INC.	3,053,184			KASEL, DENNIS	3,016,568
HOLT, JASON	2,921,608			KASHIMA, TAKAYUKI	2,943,031
HOLVERSON, ANDREW	2,940,502			KASSAN, AMIN	3,010,024
HON, LIK	3,065,482			KASSEN, ALLEN	3,038,965
HONEYWELL LIMITED	3,055,430			KAT2BIZ AB	2,931,672
				KATCHABA IMPORTS INC.	2,948,970
				KAWASH, SAMEER	2,951,032

**Index des brevets canadiens délivrés
12 avril 2022**

KAWASH, SAMEER	2,960,803	KOTANIDES, HELEN	3,071,383	LEE, CHINGWEI V.	3,088,612
KEBA INDUSTRIAL AUTOMATION GERMANY GMBH	2,892,211	KRALL, JOSEPH G.	2,958,569	LEE, TAE HEE	2,933,221
KEENAN, DAVID	2,846,650	KRAMER, ILLAN	3,061,443	LEESON, PAUL KENYON	2,933,265
KEIPERT, STEVEN J.	2,934,647	KRIEGEL, ROBERT M.	2,922,287	LEFEVRE, GERALD	2,846,650
KELLEY, ROBERT F.	3,088,612	KRISHNABABU, SENTHIL	3,079,084	LEGRAND AV INC.	2,926,679
KELLY, REBECCA A.	2,992,347	KRIVANEK, ROLAND	2,920,699	LEHMUSTO, MIRVA	2,928,992
KEMIRA OYJ	2,928,992	KRUGER, MICHIEL JACOBUS	2,978,108	LEHTONEN, MARKKU	2,906,721
KENNEALLY, COREY JAMES	3,051,596	KRUGER, MICHIEL JACOBUS	2,985,865	LEICHT, PAUL MURRAY	3,059,554
KENNEDY, DANA	3,051,090	KUBAJAK, DAVID	3,037,854	LEIDOS SECURITY DETECTION & AUTOMATION, INC.	2,901,002
KERNEMP, IRWIN	2,921,915	KUBBA, RAJEEV	3,108,786	LEMARCHAND, KEVIN MORGANE	2,947,121
KERS, ANNIKA	2,928,004	KUBE, OLIVER	2,997,037	LENZ, THOMAS	3,064,669
KETT, JURGEN	3,065,641	KUIMELIS, ROBERT G.	3,077,972	LEO, CHIARA SILVANA	3,111,870
KEYSTONE RETAINING WALL SYSTEMS LLC	3,070,693	KUMAR, SUDEEP M.	3,006,231	LEONFELLNER, PERRY	3,060,568
KHAN, BADAR K.	3,027,360	KUMAR, SURENDER	3,033,961	LEONI, DAVIDE	3,065,791
KHAN, HASNAIN A.	2,879,773	KURARAY CO., LTD.	2,942,256	LEPETIT-STOFFAES, JEAN- PASCAL	2,981,716
KHANDROS, IGOR Y.	2,945,395	KURITA, SHUHEI	2,942,256	LEROUX, PATRICK	2,939,133
KHURANA, HIMANSHU	3,132,019	KURIYAMA, YOKO	3,030,700	LES INDUSTRIES CAPITOL INC.	2,925,666
KIDDOO, MICHAEL R.	2,960,803	KURT, SAFA KUTUP	2,899,818	LESCOCHE, PHILIPPE	2,913,261
KIM, DO HYUN	3,066,717	KUSTER, FRANK	2,941,901	LESHCHYNSKY, VOLF	3,098,314
KIM, EUN MI	3,074,800	KVERNELAND GROUP KERTEMINDE AS	2,920,699	LESSMANN, TORBEN	3,004,716
KIM, HEEJOON	3,062,267	KWON, WOOSUK	2,999,124	LEVITON MANUFACTURING CO., INC.	3,060,164
KIM, JI WAN	2,933,221	KYOKUTOH CO., LTD.	3,068,668	LEVY, KENT	3,077,929
KIM, MIN JU	3,081,033	KYOWA KIRIN CO., LTD.	3,062,267	LEVY, KENT	3,077,931
KIMMEL, MICHAEL	3,042,814	L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	3,080,031	LEWINSKI, KRZYSZTOF A.	2,960,595
KIMMEL, MICHAEL	3,061,385	L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	3,032,683	LEWIS, DAVID M.	2,993,174
KIMURA, MITSUHIRO	3,030,700	LA FEVER, GEORGE B.	2,871,184	LEWIS, TERRY A.	2,993,174
KIMURA, MITSUHIRO	3,030,703	LA MARZOCCO S.R.L.	2,974,890	LEWIS, TRAVIS R.	2,993,174
KIMURA, TSUYOSHI	2,978,401	LABCYTE INC.	3,077,972	LEYVRAZ, DAVID	3,046,364
KINDERMANN, SUSANNE	3,004,716	LABORDE, GERALD T., JR.	2,931,970	LG ELECTRONICS INC.	3,068,668
KING, EVAN R.	2,926,795	LABPLAS INC.	2,886,617	LI, HUI	3,110,589
KINSEY, MICHAEL WAYNE	3,065,591	LACHER, ROBERT R.	2,929,820	LI, JINGQIU	3,051,089
KIRBY, CLIFFORD	2,918,434	LAFOND, DANIELLE	2,886,617	LI, PENGFEI	3,066,680
KIRBY, GLEN HAROLD	3,049,204	LAFORTUNE, ERIC	2,945,221	LI, XIANG	2,951,851
KIRCHHOFER, DANIEL K.	3,088,612	LAI, JOYCE	3,088,612	LI, YUANSHEN	3,061,783
KIRCHHOFER, ROGER	2,967,289	LAKHANI, DEWANG	3,042,814	LIANG, JINKAO	3,072,556
KIRCHHOFER, ROGER	2,970,634	LALLEMAND HUNGARY LIQUIDITY MANAGEMENT LLC	2,807,561	LIANG, WEI-CHING	3,088,612
KIRSCH, JELENA	2,998,666	LAMAR, CHAD	3,010,024	LIEBENBERG, ABRAHAM JOHANNES	2,978,108
KISHIDA, AKIO	2,978,401	LAMARRE, MAXIME	3,015,844	LIEBENBERG, ABRAHAM JOHANNES	2,985,865
KISS, ELEONORA	3,074,794	LAMBERT, CHRISTIAN M.	2,973,407	LIEU, PHONG	3,075,140
KITAHARA, JUN	2,925,088	LAN, JIONG	3,077,238	LIFE TECHNOLOGIES CORPORATION	3,051,089
KITAZATO, NAOHISA	2,925,088	LANDMARK GRAPHICS CORPORATION	2,879,773	LIN, JEN C.	3,074,090
KITAZAWA, MANABU	2,899,818	LANDMARK GRAPHICS CORPORATION	3,074,135	LIN, SHUMIN	3,061,783
KLASSON, CHARLES	3,054,205	LANGRIDGE, JONATHAN	2,921,915	LINDLER, MALCOLM BARRY	2,921,608
KLEIN, CHRISTIAN	2,926,893	LAROCHE, NICOLAS	3,083,136	LINDSAY TRANSPORTATION SOLUTIONS, INC.	2,952,778
KLINE, DANIEL S.	3,075,140	LATEGAN, FRANS ADRIAAN	2,919,839	LIPARI, MICHAEL T.	3,088,612
KLOEPFER, CHRISTOPHER HOWARD	3,066,386	LAURUSONIS, LINAS P.	3,032,974	LITHIUM AUSTRALIA NL	3,032,729
KLOEPFER, MICHAEL	3,066,386	LEBRETTE, LAURENT	3,084,884	LITJENS, E.J.N. REMY	3,074,794
KLUTZ, STEPHAN	2,941,901	LECOQ, DANIEL	2,942,959	LIU, CHAO YAN	3,051,089
KM BIOLOGICS CO., LTD.	2,978,401	LEE, CHANG-SUN	2,922,657	LIU, NING	3,004,650
KNOWLES, STEPHEN	3,115,395			LIU, XIAOQI	3,120,214
KNUDSEN, SOREN	2,744,836			LIU, ZHIGANG	3,120,214
KO, WOOSUK	3,068,668			LIVE2D INC.	2,959,309
KODA, DAISUKE	2,942,256			LIVINGSTON, ADAM J.	3,075,140
KOEHLER, ERIC P.	2,945,663			LMK THERMOSAFE LIMITED	2,983,801
KOHN, GARY	3,065,497				
KONDO, YUJI	2,927,518				
KONG, YOUNGGYU	3,081,033				
KORNER, STEVEN CHARLES	3,011,836				
KOROSCIL, SARA	2,846,650				
KOSAMANA, BHASKARA	2,933,289				

**Index of Canadian Patents Issued
April 12, 2022**

LOBEDANN, MARTIN	2,941,901	MARSULEX		MICROTECH MEDICAL	
LOCK II, LLC	3,060,159	ENVIRONMENTAL		TECHNOLOGIES LTD.	3,060,248
LOCKHEED MARTIN		TECHNOLOGIES		MIDDELKOOP, KIRSTIN	
CORPORATION	2,991,636	CORPORATION	3,059,554	ELIZABETH	2,919,449
LOCKHEED MARTIN		MARTIN GMBH FUR		MIKOS, ANTONIOS G.	3,070,619
ENERGY, LLC	2,926,795	UMWELT-UND		MIKURIYA, TOMOYUKI	2,941,705
LOFSTEDT, JOAKIM	2,933,848	ENERGIETECHNIK	2,941,848	MILANOVICH, FRED PAUL	3,075,139
LONGYEAR TM, INC.	2,973,407	MARTIN, ROY W.	3,044,316	MILGARD MANUFACTURING	
LOSCHER, FRANK	3,111,870	MASHAL, FADI KARIM		LLC	3,078,052
LOVE, DANIEL B.	3,047,243	MOH'D	2,919,449	MILLER, J. CLAYTON	3,060,159
LOVEGREN, ERIC RUSSELL	3,013,633	MASQUELIER, DONALD		MILLER, MELODIE	3,073,339
LOWDER, SCOTT B.	3,066,615	ARTHUR	3,075,139	MIMLITCH, KENNETH H.	3,060,159
LOYET, KELLY M.	3,088,612	MASSEY, VICTOR	3,078,052	MIMURA, AKIHIRO	3,080,031
LUKES, MATTHEW R.	3,080,082	MASTERSON, STEVE	3,075,140	MIRZADEH, SEYED M.	2,879,773
LUNDELL, ROBERT JOHN	3,070,693	MATHEWS, JEFFREY DAVID	2,938,883	MIYABE, SHIGEO	2,946,499
LUOPA, SEAN M.	2,960,595	MATHIESON, THOMAS R.	3,070,719	MODLIN, DOUGLAS N.	3,075,139
LUPIEN, GILLES	2,948,970	MATSUMOTO, MICHIIKO	2,978,689	MOFFITT, RONALD D.	2,922,287
LUPU, ALEX-LAURENTIU	2,866,042	MATTHEWS, TYLER S.	2,960,595	MOHANTY, AMITAV	3,049,671
LUPU, ALEXANDRU	2,866,042	MATUSAITIS, TOMAS	3,032,974	MOLENAAR, GUIDO	
LUTHRA, KRISHAN LAL	3,064,882	MAUCEC, MARKO	2,879,773	WILLIAM	2,907,797
LYNG DRILLING AS	2,965,955	MAX CO., LTD.	3,030,700	MOLLS, CHRISTOPH	3,064,669
LYTELOOP TECHNOLOGIES,		MAX CO., LTD.	3,030,703	MONEREAU, CHRISTIAN	2,871,184
LLC	3,095,203	MAXX MEDIA GROUP, LLC	3,057,723	MONROE TRUCK	
MA, TENG	3,027,921	MAY, GREGORY	2,920,302	EQUIPMENT, INC.	2,940,502
MA, ZHEN	3,070,983	MAYERLE, DEAN	3,101,757	MONSANTO TECHNOLOGY	
MACDONALD, ROBERT A.	3,070,693	MAZZOLA, SILVIO	2,952,778	LLC	2,992,347
MACINNIS, SCOTT C.	2,926,271	MC AULEY, ALASTAIR		MONSANTO TECHNOLOGY	
MADDAMMA, MICHAEL	3,069,513	EDWIN	3,081,381	LLC	3,062,341
MADDUX, STEPHEN ROSS	3,065,497	MCBAIN, ANDREW	2,908,812	MONTES, MATTHIEU	2,843,665
MADIGAN, REGINA	3,033,961	MCDUFF, PIERRE	3,053,067	MOOG INC.	3,020,858
MAEV, ROMAN GR.	3,098,314	MCHALE, JAMES	3,077,076	MOON, HYUNG RYONG	3,066,717
MAGARL, LLC	2,792,798	MCKOSKEY, GEORGE JAY	3,027,536	MOON, KYOUNGSOO	3,068,668
MAGARL, LLC	2,809,713	MCMOUGHLIN, MARTIN JOHN	2,919,195	MOON, YOUNG-CHOON	2,922,657
MAGNA POWERTRAIN INC.	2,942,578	MCMAHON, MORGAN LANE	3,060,082	MORA-HUERTAS, NELSON	3,032,992
MAGNA STEYR		MCMANAMON, PAUL		MORI, YASUHIRO	3,045,078
FAHRZEUGTECHNIK AG		FRANCIS	3,095,203	MORIOKA, MASANARI	2,946,499
& CO KG	2,951,862	MCNEILL, MATTHEW	3,044,114	MORRIS, MARK	3,038,805
MAGNAN, JEAN-FRANCOIS	3,083,136	MEATOLOGY LIMITED	2,885,938	MORRIS, SIMON	3,104,070
MAJEED, MUHAMMED	3,039,596	MECKLENBURG, GEORGE A.	2,557,690	MORRISON, JENNIFER L.	3,046,898
MAJESTY PACKAGING		MECL, ONDREJ	3,117,948	MOSELEY, RYAN	2,909,653
SYSTEMS LIMITED	3,072,556	MEDLINE INDUSTRIES, LP	3,047,243	MOSES, RACHAEL LOUISE	2,909,653
MAKAREWICZ, ANTHONY		MEDTEC, INC.	3,054,205	MOSKOVICH, ROBERT	2,967,289
JOSEPH, JR.	3,075,139	MEDVINKSY, ALEXANDER	3,049,531	MOSKOVICH, ROBERT	2,970,634
MALANI, ABHISHEK	2,908,006	MEECE, BARRY DEWAYNE	2,968,266	MOTION COMPOSITES INC	3,015,844
MALCOLM, GRAEME PETER		MELNOR, INC.	2,998,798	MOTT, ERIC J.	3,070,619
ALEXANDER	2,944,328	MENGEL, MICHAEL LYN	3,059,554	MOUNCE, R. PAUL	2,904,725
MALMBORG, PER JONAS	2,928,004	MENON, ASHOK	2,905,929	MOURAD, ALAIN	3,001,602
MALONE, JOSHUA	3,073,664	MERIAUX, JEAN VINCENT		MTT INNOVATION	
MANARESI, GIORGIO	2,950,243	MANUEL	2,911,634	INCORPORATED	2,890,373
MANDEL, SHAHAR EVEN-		MERKT, ERIC	3,099,064	MULLER, ACHIM	2,920,699
DAR	3,060,248	MESHER, DAREL	2,989,773	MULLER, SEAN	2,960,746
MANDRO, MARC A.	3,075,359	MESO SCALE		MUNDILL, PAUL	2,928,992
MANESIS, NICHOLAS J.	2,967,401	TECHNOLOGIES, LLC	3,006,231	MURASE, MIHO	2,938,601
MANKIEWICZ GEBR. & CO.		MESSINGER, ROBERT	2,920,511	MURDOCH, ALLAN ROY	2,976,275
(GMBH & CO. KG)	3,073,120	METKEMEIJER, RUDOLF	2,939,133	MURRAY, KYLE R.	3,020,942
MANNHALTER, BERT D.	3,033,291	MEYER, ASTRID	2,998,666	MUSC FOUNDATION FOR	
MANONE, JOSEPH	3,044,114	MICHAEL, VICKY A.	2,998,798	RESEARCH	
MARCHAND, NICHOLAS		MICHAUD, GUY	2,950,096	DEVELOPMENT	3,099,852
RYAN	3,058,181	MICRO MOTION, INC.	2,963,400	MUSE, DAVID R.	3,000,710
MARK, JOSEPH L.	3,010,024	MICROSOFT TECHNOLOGY		MYUNG, SE-HO	3,001,602
MARMANN, ANDREA	3,064,669	LICENSING, LLC	2,908,006	NABIROCHKIN, SERGUEI	2,940,442
		MICROSOFT TECHNOLOGY		NADON, GILLES	2,970,368
		LICENSING, LLC	2,913,735	NAGEL, CAREY PHILIP	3,007,302
				NAKAJO, TETSUYA	2,959,309

**Index des brevets canadiens délivrés
12 avril 2022**

NAKANE, JUNICHI	3,071,356	O'HEERON, PETE	2,915,249	PEPTINOV SAS	2,843,665
NAKATA, YOSHIFUMI	3,057,100	O'NEIL, DEBORAH	2,821,032	PERKINS, ANDREW	2,989,426
NAMS, JANIS	3,074,327	O'NEILL, CATHERINE	2,908,812	PERKINS, JASON DEAN	3,001,144
NAN YA PLASTICS CORPORATION	3,080,997	O'NEILL, PETER D.	3,054,709	PERPEZAT, DANIEL	2,932,450
NANJING CHERVON INDUSTRY CO., LTD.	3,114,468	OAKLEY, STEPHEN JOSEPH	3,132,019	PETROPOLIS, CHRISTIAN	3,023,531
NANNI, MARIO	2,939,857	OBARA, HARUKI	2,978,401	PETRYSHEN, LARRY	3,060,524
NATIONAL OILWELL DHT, L.P.	2,945,935	OFORI-AMOAH, DAVID	3,092,446	PETSMART HOME OFFICE, INC.	3,026,696
NATIONAL OILWELL DHT, L.P.	3,058,181	OGDEN, MICHAEL	2,951,032	PETTA, GABRIEL	2,851,461
NATIONAL UNIVERSITY CORPORATION TOKYO MEDICAL AND DENTAL UNIVERSITY	2,978,401	OH, SEJIN	3,068,668	PEUGEOT SAVEURS SNC	3,070,134
NEALE, PAUL V.	3,075,140	OH, SOO MI	3,092,392	PHARNEXT	2,940,442
NEEDLESMART LIMITED	2,918,434	OKAMOTO, SATORU	2,899,818	PHILLIPS, GAIL LEWIS	2,990,929
NEENAH, INC.	3,003,621	OKAZAKI, HIROKAZU	3,044,199	PIANTEK, RYAN	3,026,702
NEGISHI, JUN	2,978,401	OLECHNO, JOSEPH D.	3,077,972	PIERRE, MARJOLAINE MARIE-ANNE	2,955,738
NELSON, GORDON RAYMOND	3,027,536	OLESKIE, RAYMOND	2,955,174	PIKELJA, VELIBOR	2,905,929
NELSON, RICHARD LOUIS	3,013,633	OLIVA, RYAN	3,053,184	PINTO, OLIVIER	3,097,249
NEMASKA LITHIUM INC.	3,083,136	OLIVE, REMI PHILIPPE OSWALD	2,955,738	PIRAMAL PHARMA LIMITED	2,937,417
NESS, KEVIN DEAN	3,075,139	OLSEN, OLE	2,744,836	PITTERNA, THOMAS	2,934,780
NEVILL, J. TANNER	2,945,395	OLTMANS, BRET ALLEN	3,027,536	PLANTPAPER HOLDING APS	2,929,638
NEVO, INBAR	3,021,575	ONINK, MARCEL	3,069,050	PLAYFOUNTAIN B.V.	2,907,797
NEWTON, MARK	2,983,801	ONO PHARMACEUTICAL CO., LTD.	2,926,893	POLA CHEMICAL INDUSTRIES, INC.	3,045,078
NEWTON, NICOLAS	2,901,832	OP-HYGIENE IP GMBH	2,857,326	POLARIS INDUSTRIES INC.	3,027,536
NGUYEN, LANG	3,053,067	OPHARDT, HEINER	2,857,326	POLISSON, WILLIAM	3,033,961
NGUYEN, MIKE	3,037,854	OPIE, RAY	2,892,211	POLITIS, VICTOR	3,066,834
NICHIHA CORPORATION	2,938,601	OPTICA AMUKA (A.A.) LTD.	2,939,664	POLLAK, ALEXANDRE	3,053,067
NICO INCORPORATION	3,010,024	ORANGE	2,942,959	POLLOCK, JACOB F.	2,967,401
NICOVENTURES TRADING LIMITED	2,865,967	OREBOM, ALEXANDER	2,933,848	PORRO, MASSIMO	2,897,272
NIELSEN, RASMUS ELMELUND	2,999,124	OTERO ESPINAR, FRANCISCO J	2,950,478	PORTAL CRANE PARTS LTD.	2,976,275
NIES, JUERGEN	2,998,798	OVONDO GMBH	3,009,282	PORTER, DAVID GLENN	3,007,777
NIPPON STEEL CORPORATION	3,064,361	OZAKI, YUHI	2,941,705	PORTER, DAVID GLENN	3,007,781
NISSAN MOTOR CO., LTD.	2,978,689	PADOWSKI, GREG	3,030,826	POULIN, JEAN-PIERRE	3,115,844
NONOMURA, ARTHUR M.	3,060,707	PADVOISKIS, JULIA	3,044,286	PRECISION PLANTING LLC	3,077,929
NORDVALL, GUNNAR	2,928,004	PAGET, STEVEN D.	2,922,657	PRECISION PLANTING LLC	3,077,931
NORSK HYDRO ASA	2,965,955	PALANZO, CHARLES ROCCO	3,095,203	PREMIER PRODUCTS, INC.	3,041,800
NORTHROP GRUMMAN SYSTEMS CORPORATION	3,056,624	PALMIERI, ERIC	3,026,702	PROCESS VISION LIMITED	2,953,280
NORWOOD INDUSTRIES INC.	3,109,307	PAN, ZHIGUO	3,065,791	PROGRESSIVE FOAM TECHNOLOGIES, INC.	2,992,236
NORWOOD INDUSTRIES INC.	3,128,969	PANDURANGARAO, ANIL KUMAR	3,039,495	PRUESSMEIER, UWE	3,106,715
NOVA CHEMICALS CORPORATION	2,973,184	PANKRATZ, ANTHONY WILLIAM	2,963,400	PRUNERA-USACH, STEPHANE	2,945,728
NOVABIOTICS LIMITED	2,821,032	PAQUES I.P. B.V.	2,923,057	PRUYSEN, AART R.	2,963,400
NOVAK, KEVIN	2,956,631	PAQUET, ALEX	2,995,292	PRYOR, JACK	3,075,140
NOVELIS INC.	3,046,364	PARENTEAU, THOMAS	2,947,785	PSMG, LLC	2,921,608
NOVOMATIC AG	2,952,729	PARK, EUN-JUNG	3,081,033	PTC THERAPEUTICS, INC.	2,922,657
NOVOMATIC AG	3,016,568	PARK, SE-HWAN	3,081,033	PUECH, GUILLAUME	2,911,634
NOWAKOWSKI, NATHALIE	2,947,121	PARK, SO OK	3,081,033	PULKKINEN, MARKKU	2,906,721
NOX II, LTD.	3,059,168	PARK, SO YOON	2,933,221	PUSAN NATIONAL UNIVERSITY INDUSTRY- UNIVERSITY COOPERATION FOUNDATION	3,066,717
NUGTEREN, DANIEL JOSEPH	3,027,536	PARKER, TOM	3,055,030	QBIOTICS LIMITED	2,909,653
NUOVO PIGNONE TECNOLOGIE - S.R.L.	2,933,289	PARKER, TIMOTHY	3,032,974	QI, YOULIN	2,992,347
NUSSE, ROBERT	2,978,088	PARR, ERIC	2,960,803	QIAO, CHANGJIANG	3,077,238
NUUTINEN, VESA	2,928,992	PARSONS, PETER GORDON	2,909,653	QIU, JIA SEN	3,063,382
NYLOK LLC	2,955,174	PASCAL, SEBASTIEN	2,921,915	QIU, JIAN	3,050,486
O'DONNELL, KEVIN	2,957,360	PASTORUTTI, GINO	2,937,082	QIU, XIAO	2,998,666
		PATEL, ROHEET	2,919,449	QUALCOMM INCORPORATED	3,060,451
		PATTANTYUS-ABRAHAM, ANDRAS	3,061,443	QUANG, CHRISTOPHER	3,003,412
		PATTEN, ANDREW TIMOTHY	2,963,400	QUANTUM FUEL SYSTEMS LLC	2,951,273
		PAULI, MATTHIAS	2,892,211	QUIRK, MICHAEL	2,928,004
		PEARCE, CODY A.	2,973,407		
		PELLETIER, JEFFERY CLAUDE	2,978,158		
		PEPSICO, INC.	2,938,883		

Index of Canadian Patents Issued April 12, 2022

QWAVE AS	3,016,225	ROTH, GREGORY BRANCHEK	2,980,590	SAVANT TECHNOLOGIES	
QWAVE AS	3,107,921	ROUFFAUD, LIONEL	2,932,450	LLC	2,923,187
R & L CARRIERS, INC.	2,949,181	ROUX, SERGE	3,076,077	SAVANT TECHNOLOGIES	
R.A. JONES & CO.	3,080,082	ROVITO, ANTON J.	3,074,090	LLC	3,060,082
RABSKA, KEVIN	3,025,861	RUD, JASON	3,038,965	SAVATIER, SAMUEL	3,070,134
RACITI, LUCA	3,065,791	RUECKERT, CHERYL BOYD	3,003,621	SAWADJOON, SUPAPORN	2,933,848
RADOM CORPORATION	2,905,929	RUIZ-SABARIEGO, JUAN-ANTONIO	2,911,634	SCARDINO, DEAN	3,083,229
RADTKE, IAN	3,077,929	RUNWAY BLUE, LLC	3,096,769	SCHANG, DANIEL	3,025,202
RADTKE, IAN	3,077,931	RUPP, MICHAEL D.	2,973,407	SCHAPP, JAN	2,964,281
RAHMEL, MARCUS RAINER	2,913,828	RUSSELL, MARK C.	2,985,573	SCHEIBEL, JEFFREY JOHN	3,051,596
RAIGONI, NARSIMULU	2,937,417	S&C ELECTRIC COMPANY	3,007,777	SCHLUMBERGER CANADA LIMITED	2,920,511
RAILKAR, SUKHIR	2,912,748	S&C ELECTRIC COMPANY	3,007,781	SCHLUMBERGER CANADA LIMITED	2,980,731
RAIN, MARK	2,982,470	SABELLA	2,930,492	SCHLUMBERGER NORGE AS	3,089,791
RAMAIAH, RAGHU	3,060,082	SABITOV, RUSLAN	3,029,973	SCHMID, MATHIEU	2,951,851
RAMASWAMY, ARUN	2,961,303	SABO, JOHN R.	2,942,578	SCHMIDBERGER, FRANK	3,008,936
RASMUSSEN, GRETHE NORSKOV	3,004,716	SADLOWSKI, EUGENE STEVEN	3,051,596	SCHMIDT, ROBERT KYLE	2,954,109
RAU, HARALD	3,004,716	SAFRAN AIRCRAFT ENGINES	2,947,121	SCHNEIDER ELECTRIC (AUSTRALIA) PTY LTD.	3,070,983
RAYNERS, JON	2,953,280	SAFRAN AIRCRAFT ENGINES	2,955,738	SCHNEIDER ELECTRIC INDUSTRIES SAS	3,050,486
REDDELL, PAUL WARREN	2,909,653	SAFRAN DATA SYSTEMS	3,097,249	SCHOLZ, HANS-WERNER	3,032,683
REDMON, BENJAMIN T.	3,060,159	SAFRAN LANDING SYSTEMS UK LIMITED	2,945,995	SCHOONMAKER, RYAN	3,050,103
REHFELDT, KEEGAN	3,073,339	SAFRAN LANDING SYSTEMS UK LIMITED	2,954,109	SCHULTHEIS, MIKELL W.	2,922,287
REID, FREDERICK	3,116,904	SAFRAN LANDING SYSTEMS UK LIMITED	3,065,249	SCHULTZ, ROGER L.	2,986,438
REILLY, GERARD M.	3,062,128	SAFRAN TRANSMISSION SYSTEMS	2,945,728	SCHUR, GOTTHOLD	3,102,415
REITZ, ALLEN B.	2,978,158	SAGA, HIDEKI	2,978,401	SCHUTTE, VOLKER	2,974,226
REN FUEL K2B AB	2,933,848	SAHA, PRABODH	3,049,671	SCHUTZER, STEVEN E.	2,799,165
REN, HONGYU	2,922,657	SAI, TAO	3,088,612	SEAGEN INC.	3,051,090
REN, ZIHE	3,032,992	SAITOH, YUKO	3,045,078	SEAMANS, JAMES DALLAS	2,943,868
RENOU, ELISE	2,871,184	SALEEM, FOZIA	2,865,967	SEARLE, GARY	3,066,834
RESNICK, ADAM	3,029,973	SALEM, DAVID R.	3,033,291	SEEHUUS, HANS	2,965,955
RETAIL SPACE SOLUTIONS LLC	3,044,286	SALIH, NABEEL	3,007,302	SEGERITZ, CHARIS-PATRICIA	3,065,274
REYNOLDS PRESTO PRODUCTS INC.	2,845,897	SALVADOR, CHRISTOPHER J.	3,092,446	SEMMLER, OLIVER	2,943,158
REYNOLDS, DAVID G.	2,981,340	SAMBETH, ULRICH	2,928,797	SENDA, KUNIHIRO	3,100,302
REYNOLDS, FREDERICK J.	2,846,981	SAMEC, JOSEPH	2,931,672	SENDA, SHO	2,899,818
REZA, RAHMANI	2,945,935	SAMEC, JOSEPH	2,933,848	SENFLEBEN, JASON	3,044,114
REZANIA, ALIREZA	2,984,541	SAMSUNG ELECTRONICS CO., LTD.	3,001,602	SEO, HEE JEONG	3,081,033
RIBBLE, BRUCE	3,054,205	SANDEFUR, STEPHANIE LYNN	3,071,383	SERRES, NATHALIE	2,911,634
RICHARDS, STEPHEN	3,066,834	SANGSTER, RICHARD D., JR.	3,026,702	SERVICENOW, INC.	3,049,671
RICHTER, YORAM	3,060,248	SANTHANAM, NANDHINI NANDIWADA	3,132,019	SESSA, EUGENE	2,955,174
RIEDEL, MICHAEL	3,065,274	SAPIN, JULIEN	2,943,848	SETHURAMALINGAM, ARUN PONNIAH	3,132,019
RILEY, DANIEL W.	3,026,702	SAPPORO MEDICAL UNIVERSITY	2,978,401	SETOODEH, AMIN	3,047,243
RING, MARSHALL	2,846,650	SAPUTELLI, LUIGI A.	2,879,773	SHABER, CRAIG LEE	3,067,900
RINHEAT OY	2,936,021	SAREEN, CHAITANYA	2,908,006	SHAILY ENGINEERING PLASTICS LIMITED	3,115,395
RIOT, VINCENT	3,075,139	SARGENT MANUFACTURING COMPANY	3,026,702	SHAMSAASEF, RAFIE	3,049,531
RIOU, MICHEL ANTHONY	3,007,302	SARGENT MANUFACTURING COMPANY	3,066,615	SHANG, PEI	3,070,983
RITE-HITE HOLDING CORPORATION	3,044,114	SARGENT, EDWARD H.	3,061,443	SHANGHAI HAIYAN PHARMACEUTICAL TECHNOLOGY CO., LTD.	3,077,238
RIVERA, TEODORO	2,938,883	SARIKAYA, RUHI	2,913,735	SHANGHAI JIAO TONG UNIVERSITY	3,004,650
ROBERTS, LAWRENCE R.	2,945,663	SASSON, YOEL	2,928,999	SHARMA, SRIRAM	3,042,814
ROBERTS, MARK F.	2,945,663	SATO, TERUHISA	2,940,435	SHARMA, SRIRAM	3,061,385
ROCK-TENN SHARED SERVICES, LLC	3,077,967	SATTERFIELD, JESSE CLAY	2,908,006	SHARMAN, PETER	2,885,938
ROEHLICH, CHRISTOPH	2,964,281	SAUNDERS, CAROLINE	2,938,883	SHARP KABUSHIKI KAISHA	2,977,718
ROEW, STANTON J.	3,059,201	SAUVIGNET, PHILIPPE	2,951,100	SHARP, M	3,146,492
ROGERS, JEFFREY	3,051,089			SHAW, ARTHUR J. IV	2,807,561
ROJAS, OLGA	3,086,661			SHEPPARD, JAMES	2,930,492
ROLL, PATRICK	3,044,120			SHI, DONGFANG	3,066,680
RONAES, EGIL	3,089,791			SHI, YU	2,922,287
RONEN, GIL	3,021,575				
ROSEMOUNT INC.	3,013,633				
ROSEMOUNT INC.	3,038,805				
ROSEMOUNT INC.	3,038,965				

**Index des brevets canadiens délivrés
12 avril 2022**

SHIN, JIN-E	2,938,883	SOUTH DAKOTA BOARD OF	SYMBIOFCELL	2,939,133
SHIRAIISHI, NOBUYUKI	2,927,518	REGENTS	SYNGENTA PARTICIPATIONS	
SHO, YOSHIYUKI	3,057,100	SOUTORINE, MIKHAIL	AG	2,934,780
SHONO, MICHIKO	3,045,078	SPCM SA	SYSTEMEX-ENERGIES INC.	3,094,417
SHOPP, GEORGE M.	3,039,596	SPECIALIZED DESANDERS	T.A. MORRISON & CO. INC.	2,882,204
SHORT, STEVEN W.	2,945,395	INC.	T.A. MORRISON & CO. INC.	2,885,942
SHUANG, ZHIWEI	3,043,057	SPELLBOUND	TADA, ATSUSHI	3,080,031
SIBLANI, AL	3,070,619	DEVELOPMENT GROUP,	TAGA, MASASHI	3,080,031
SICPA HOLDING SA	2,951,851	INC.	TAGUCHI, HIROYUKI	2,938,601
SIEMENS		SPENCER, GEOFFREY P.	TAKAHASHI, KAZUYUKI	2,925,088
AKTIENGESELLSCHAFT	3,079,084	SPELRLING, PETRA	TAKAHASHI, YASUNORI	3,030,700
SIEMENS MEDICAL		SPIELES, GISBERT	TAKUWA, TOMOFUMI	2,927,518
SOLUTIONS USA, INC.	3,093,236	SPIELMANN, CHRISTOPH	TAMMAM, ERIC S.	3,060,248
SIEMENS MOBILITY, INC.	3,027,360	SPINALCYTE, LLC	TAN, CHRISTOPHER J.	3,074,090
SIEVERS, ERIC	3,051,090	SPROGOE, KENNETT	TANG, JIANG	3,061,443
SIGAL, GEORGE	3,006,231	STANDIFORD, DEAN M.	TAYLOR, MARGARET	3,050,103
SIGNPATH PHARMA, INC.	3,039,596	STANDLEY, ADAM	TAYLOR, SCOTT	2,846,981
SIIVONEN, JOONAS	2,928,992	STEADMAN, ROBERT	TDW DELAWARE, INC.	3,132,842
SILIXA LTD.	3,055,030	STEFF DE VERNINAC,	TECHNIP FRANCE	2,947,785
SILLERS, WILLIAM RYAN	2,807,561	BERTRAND	TECHNOLOGIES AVANCEES	
SILVA, MARK	3,003,412	STEFFEN, TIMO	& MEMBRANES	
SIMEK, VLADIMIR	3,020,353	STEIBEL, JAMES DALE	INDUSTRIELLES	2,913,261
SIMON, CHRISTOPHE	3,084,884	STEINGLASS, ALICE	TEMPLETON, GORDON D. O.	3,047,046
SIMONNEAUX, YANN	3,065,249	STELTZ, ERIK	TESSONICS, INC.	3,098,314
SIMONSON, CHAD	2,906,721	STEMCELL TECHNOLOGIES	TETRA TECH, INC.	2,989,773
SIMPSON, LOUISE	3,104,070	CANADA INC.	THALES HOLDINGS UK PLC	3,104,070
SIMPSON, PETER C.	3,075,140	STEMNISKI, PAUL M.	THE BOARD OF REGENTS OF	
SINGH, AJAY PRATAP	2,879,773	STEPANIAN, CHRISTOPHER	THE UNIVERSITY OF	
SINGH, AVTAR K.	3,099,852	STERIMED SAS	NEBRASKA	3,019,295
SINGH, INDERJIT	3,099,852	STEVENS, CRISTON S.	THE BOEING COMPANY	2,983,496
SKADHAUGE, BIRGITTE	2,744,836	STIFFLER, ALAN	THE CLEVELAND CLINIC	
SKINBIOTHERAPEUTICS PLC	2,908,812	STOCK, TORE	FOUNDATION	3,054,709
SKULL, JOSEPH	2,926,679	STOCKWELL, PAUL	THE COCA-COLA COMPANY	2,922,287
SLATER, CHAD MICHAEL	3,027,536	STOECKER, MARTIN A.	THE GOVERNING COUNCIL	
SLATER, DAVID	3,041,800	STOKES, KENNETH NEIL	OF THE UNIVERSITY OF	
SLIWKOWSKI, MARK X.	2,990,929	STOLLER, ANDRE	TORONTO	3,061,443
SLUSAR, MARK	3,033,961	STOPP, SEBASTIAN	THE GOVERNING COUNCIL	
SMALL, WILLIAM B., II	2,938,883	STORGAARD, CARSTEN	OF THE UNIVERSITY OF	
SMETS, JOHAN	3,051,596	STORZ, JOACHIM	TORONTO	3,086,661
SMILEY, GREGORY W.	2,844,850	STRAHM, CHRIS	THE NIELSEN COMPANY	
SMITH, GARRY ROBERT	2,978,158	STRAMKA, CLAUDIA	(US), LLC	2,961,303
SMITH, WILLIAM F.		STRATUS MEDICAL, LLC	THE PROCTER & GAMBLE	
(DECEASED)	3,024,116	STRAUB, PHILIPP	COMPANY	3,051,596
SNECMA	2,911,634	STRAUB, THOMAS	THE PROCTER & GAMBLE	
SNECMA	2,921,915	STREIFF, BEN	COMPANY	3,065,591
SNECMA	2,936,046	STRONG, ANTHONY JAMES	THE RAYMOND	
SOLENIS TECHNOLOGIES		STRUMBAN, EMIL	CORPORATION	2,844,850
CAYMAN, L.P.	3,011,572	SUGIMOTO, NAO	THE UNIVERSITY OF BRITISH	
SOLETANCHE FREYSSINET	2,932,450	SUGINO, MASAOKI	COLUMBIA	3,032,992
SOLUS TECHNOLOGIES		SUGITA, TAKAMASA	THEOPOLD, TOBIAS	2,892,211
LIMITED	2,944,328	SULAJ, SOKOL	THIEL, VASCO	2,964,281
SOMISETTI, NARENDER RAO	2,937,417	SULLIVAN, SHAWN P.	THOMPSON, DOUGLAS	3,020,942
SOMOS, INC.	3,042,814	SUN, JUN	THOMPSON, EUGENE W.	3,072,088
SOMOS, INC.	3,061,385	SUN, MICHAEL	THORNE, JAMES	3,036,207
SON, SU JIN	3,066,717	SUN, QINGRUI	THORNTON, DOUGLAS A.	3,089,222
SONDEREGGER, RALPH	3,066,834	SUNDELIN, NILS ANDERS	THORNTON, W. KEITH	3,081,381
SONG, KWANG-SEOP	3,081,033	SUOMEN VISOR OY	THRU TUBING SOLUTIONS,	
SONG, LE	3,110,589	SUTMAN, FRANK J.	INC.	2,986,438
SONG, XINBEI	3,051,596	SUZUKI, AI	THYSSENKRUPP AG	3,064,669
SONG, YI	3,066,273	SVEUM, MATTHEW	THYSSENKRUPP	
SONOCO DEVELOPMENT INC.	2,945,844	SWG SCHRAUBENWERK	RASSELSTEIN GMBH	3,064,669
SONY CORPORATION	2,925,088	GAISBACH GMBH	THYSSENKRUPP	
SORATKAL, SREERAMYA	3,071,170	SWIECZKOWSKI, MICHAEL	RASSELSTEIN GMBH	3,065,641
SORENSEN, STEEN, BECH	2,744,836	SYDORENKO, NADIYA	TIITTANEN, SATU	2,928,992

Index of Canadian Patents Issued April 12, 2022

TINNUS ENTERPRISES, LLC	3,073,664	VANSTEENWINCKEL,		WEST, CAMERON	2,809,713
TIRY, MICHAEL J.	2,887,275	PASCALE CLAIRE		WHIPPLE, BRADLEY EUGENE	3,047,590
TITAN TRAILERS INC.	3,066,386	ANNICK	3,051,596	WHITE, CHRISTOPHER	3,078,701
TIZZOTTI, MORGAN	2,946,467	VASU, SANJAY K.	3,051,089	WHITE, CRAIG KARL	3,011,836
TODATE, MASAYUKI	2,959,309	VEDADI-COMTE, ARMAND	3,095,203	WHITSON, CURTIS HAYS	3,026,636
TOIVONEN, SUSANNA	2,928,992	VELAZQUEZ, TROY A.	2,901,002	WHYTE, ALDAINE	2,978,108
TOKOROZAKI, SHOKO	2,978,401	VELLINGA, SJOERD		WHYTE, ALDAINE	2,985,865
TOMOKO, YASUHIRO	2,926,893	HUBERTUS JOZEF	2,923,057	WIDDUP, DAVID	2,953,280
TORAY INDUSTRIES, INC.	2,940,435	VENKATACHALAM, KALYAN		WIENER, HAROLD	2,928,999
TORRESIN, DANIELE	3,065,791	KUMAR	2,933,289	WILDE, RICHARD GERALD	2,922,657
TOSHIO, YOSHIZAWA	2,926,893	VEOLIA WATER SOLUTIONS		WILLIAMS, BRIAN J.	3,020,858
TRAC GROUP HOLDINGS LTD	3,001,144	& TECHNOLOGIES		WILLIAMS, DAVID	
TREGGER, NATHAN A.	2,945,663	SUPPORT	2,951,100	NICHOLAS	2,907,701
TRINITY BAY EQUIPMENT		VERIFI LLC	2,945,663	WILLIAMS, JAMES	3,104,070
HOLDINGS, LLC	3,078,701	VERVACKE, STEVEN L.	3,003,621	WILLNER, ALAN ELI	3,095,203
TRIPATHI, SHITAL A.	2,807,561	VIABIZZUNO S.R.L.	2,939,857	WILLS, MATTHEW	3,044,286
TRITANA INTELLECTUAL		VIAVI SOLUTIONS INC.	3,053,943	WILSON, ALISSA	2,938,883
PROPERTY LTD.	3,101,757	VICK, KEVIN JAMES	2,923,187	WILSON, DANIEL C.	2,860,960
TRUSTEES OF TUFTS		VICK, OLIVIA RAE	2,923,187	WILSON, GLENN ANDREW	3,076,596
COLLEGE	2,934,869	VIEL, JULIEN	2,945,728	WILSON, RHONDA	3,043,057
TSCHIDA, COLIN	3,065,791	VINCENT, GUILLAUME	2,943,868	WILSON, ROGER F.	3,054,205
TSENG, CHING-PING	3,049,487	VINCENT, THOMAS ALAIN		WINDGAP MEDICAL, INC.	2,905,207
TSIBERIDIS, KONSTANTIN	2,960,421	CHRISTIAN	2,947,121	WINDGASSEN, JAMES R.	3,056,624
TSIBERIDOU, JULIA	2,960,421	VINOCUR, BASIA J.	3,021,575	WINN, ALEXANDER LEE	3,078,701
TSIONKSY, MICHAEL	3,006,231	VIRTUAL SOLUTION AG	3,008,936	WOLFSBERGER, GUENTER	2,951,862
TURK, WILLIAM	3,023,531	VO, HAN	3,064,992	WOLLSIEFEN, RAINER	3,024,819
UBACH, ANTONIO JOAO	3,075,140	VO, HAN	3,065,001	WONDERLEY, JEFFREY W.	3,043,524
UBER TECHNOLOGIES, INC.	2,956,631	VOM BEY, ERNST WILHELM	3,069,050	WONG, SUK YEE	3,042,814
UCB BIOPHARMA SPRL	2,919,195	VONOLFEN, WOLFGANG	3,024,819	WOODMAN, THOMAS	2,865,967
UCHIDA, TAKANORI	2,978,401	VOSS, STEFFEN	2,964,281	WOODSIDE ENERGY	
UENO, TAKAHITO	2,946,499	VOTOLATO, EARL	3,075,392	TECHNOLOGIES PTY LTD	2,897,186
UFI FILTERS S.P.A.	2,939,422	VRANJES, MIRON	2,908,006	WOODWARD, PHILIP JAMES	2,893,419
UHLIG, ROBERT P.	2,951,964	VRINTEN, PATRICIA	2,998,666	WORLEY, MATTHEW ISAAC	2,908,006
UHMAN, MICHAL	3,115,395	W. L. GORE & ASSOCIATES,		WRIGHT MEDICAL	
UNIVERSAL CITY STUDIOS		INC.	3,042,418	TECHNOLOGY, INC.	2,981,340
LLC	2,951,032	WACHTEL, HERBERT	2,913,828	WRIGHT, ROBERT E.	2,799,505
UNIVERSAL CITY STUDIOS		WAGSTAFF, INC.	3,067,900	WROBEL, JAY EDWARD	2,978,158
LLC	2,960,803	WAGUESPACK, KENNETH	2,967,289	WU, FAN	3,066,680
UNIVERSAL CITY STUDIOS		WAGUESPACK, KENNETH	2,970,634	WU, MING C.	2,945,395
LLC	3,069,513	WALTER, HELMUT	2,997,037	WU, YAN	3,088,612
UNIVERSAL MOTION		WAN, JULIN	3,064,882	XIE, JING	3,077,238
COMPONENTS CO., INC.	3,024,116	WANG, CHENGZHI	3,004,650	XU, HAISHEN	3,114,468
UNIVERSIDADE DE		WANG, KUEI-YUNG	3,080,997	XU, HAO	3,060,451
SANTIAGO DE		WANG, LIANGLIANG	3,132,019	XU, JEAN	2,984,541
COMPOSTELA	2,950,478	WANG, MARTHA O.	3,070,619	XU, RONGZHEN	2,977,559
UNIVERSITE CATHOLIQUE		WANG, NENG	3,060,451	XU, YILING	3,004,650
DE LOUVAIN	2,943,848	WANG, TINGHAN	2,993,096	XU, ZUSHENG	2,993,096
URQUHART, SCOTT A.	2,926,271	WANG, XIHUA	3,061,443	XYDIAS, HARRY	2,813,034
USNR, LLC	3,060,524	WANG, YUGUANG	2,993,096	XYLEM WATER SOLUTIONS	
VADERSTAD HOLDING AB	2,927,432	WARNOCK, MICHAEL	3,006,231	U.S.A., INC.	2,958,569
VAISANEN, PAVE	2,928,992	WATANABE, EIICHI	3,030,700	YADIN, YOAV	2,939,664
VALBERG, STEFAN	2,927,432	WATANABE, EIICHI	3,030,703	YAKAKE, YOSHIKAZU	2,940,435
VALLOUREC OIL AND GAS		WATSON, BROCK W.	2,986,438	YAMAGISHI, YASUAKI	2,925,088
FRANCE	3,064,361	WEAVER, WILLIAM	3,146,492	YAMAMOTO, YU	3,030,700
VAN BERGEREM, JOSEF	2,974,226	WECHSLER, ANDREAS	2,970,634	YAMAMOTO, YU	3,030,703
VAN DEN BERG, FRANK	2,907,797	WEGGE, THOMAS	3,004,716	YAMAOKA, TOSHINARI	3,114,468
VAN DER LINDEN, PAUL	2,951,273	WEHLING, MARK	2,974,226	YAMAUCHI, BRIAN	2,953,389
VAN KEMPEN, FRITS JAN	2,907,797	WEHRLI, ANDREW JOHN	2,956,027	YANAGISAWA, ARATA	3,080,031
VAN LOOKEREN CAMPAGNE,		WEI, CHAO	3,060,451	YANG, HYUN-KOO	3,001,602
MENNO	3,088,612	WEIGELT, DIRK REINHOLD	2,928,004	YANG, JIAN	3,114,468
VAN ZESSEN, ERIK	2,923,057	WELLS, JEFFREY G.	3,047,590	YANG, MOONOCK	3,092,392
VANDAL, JOEL	2,933,265	WERGEN, HORST	2,913,828	YANG, YAN	3,066,680
		WERMTER, CARSTEN	2,898,339		
		WESLEY, AVINASH	3,074,135		

**Index des brevets canadiens délivrés
12 avril 2022**

YANGTZE RIVER PHARMACEUTICAL GROUP CO., LTD.	3,077,238
YEATMAN, PAUL	3,074,327
YELLIN, CARMY	3,000,710
YEN, KUAN-CHIEH	3,043,057
YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD.	2,928,999
YKK CORPORATION	3,057,100
YOCH, TRAVIS	3,032,974
YONESHIMA, HISASHI	3,057,100
YOON, HEE-KYOON	3,081,033
YOON, JI-SUNG	3,081,033
YOSHIDA, HIDEO	2,978,689
YOSHIDA, TAKANORI	3,057,100
YOSHIDA, TOMOMI	2,899,818
YOSHIDA, TOMONARI	3,057,100
YOSHIZAKI, SOUICHIRO	3,100,302
YOU, XIAORONG	2,922,287
YOUSIF, KAMIL	3,055,030
YU, PETER C.	3,074,135
YU, XIAOJIE	2,967,401
YUKI, TAKASHI	3,030,700
YUKI, TAKASHI	3,030,703
YUN, SUNG-RYUL	3,001,602
ZAGURY, JEAN-FRANCOIS	2,843,665
ZAIZEN, YOSHIAKI	3,100,302
ZANK, THORSTEN	2,998,666
ZANN, OLIVIER	3,132,842
ZAWADKA, LAURENT	2,929,383
ZEPPETELLA, PETE	3,036,720
ZHANG, DAHAI	3,070,983
ZHANG, JIALIANG	3,068,896
ZHANG, JUN	3,068,896
ZHANG, KAI	3,077,238
ZHANG, MICHAEL	2,846,650
ZHANG, NONG	2,993,096
ZHANG, WENBIN	3,058,225
ZHANG, WENJUN	3,004,650
ZHANG, YI	3,061,225
ZHAO, HONGWEI	3,061,783
ZHAO, JINZHU	3,077,238
ZHOU, FUSHENG	3,077,238
ZHOU, HE	3,066,680
ZHOU, LIANG	3,061,783
ZHU, JIANGHUA	3,066,680
ZHU, XIAOLING	3,027,921
ZIBO VOTAISI PETROCHEMICAL EQUIPMENT CO., LTD.	3,120,214
ZIEBA, JAROSLAW	3,053,943
ZONGE INTERNATIONAL, INC.	2,926,271

Index of Canadian Applications Open to Public Inspection

March 27, 2022 to April 2, 2022

Index des demandes canadiennes mises à la disponibilité du public

27 mars 2022 au 2 avril 2022

10353744 CANADA LTD.	3,131,954	BECK, JOHN	3,132,243	CRUZ, MARIO A.	3,132,574
10353744 CANADA LTD.	3,131,962	BEGEN, ALI	3,132,486	CURIAL, MARC	3,132,678
10353744 CANADA LTD.	3,132,002	BELAND, PHILIPPE	3,132,687	CUSTOM AGRI SYSTEMS, INC.	3,132,248
10353744 CANADA LTD.	3,132,004	BLAIR, ANDREW J.	3,125,466	DANCO, INC.	3,132,471
10353744 CANADA LTD.	3,132,346	BOLTON, MIKE J.	3,131,828	DAVID, ELI	3,139,915
10353744 CANADA LTD.	3,135,466	BOLTON, MIKE J.	3,132,243	DAVIDSON, ROBERT R.	3,130,599
10353744 CANADA LTD.	3,135,469	BORING, C. BRADLEY	3,132,429	DAVIS, EMILY	3,131,667
10353744 CANADA LTD.	3,135,471	BOUGUERRA, NIZAR	3,126,591	DAVIS, EMILY	3,131,828
ABBOUD, JENNIFER	3,111,253	BOUSQUET, PHILIPPE	3,095,207	DAVIS, EMILY	3,131,833
ABL IP HOLDING LLC	3,132,416	BRADLEY, DEREK EDWARD	3,130,088	DAVIS, EMILY	3,132,243
ADAMS, KEVIN	3,095,015	BRUNNER, TODD	3,116,786	DAVIS, EMILY	3,132,251
ADESHINA, OMOWONUOLA	3,094,729	BULCHANDANI, ANEESHA SURESH	3,095,386	DAVIS, EMILY	3,132,261
ADRIAN STEEL COMPANY	3,097,735	BURNETTE, DANIEL L.	3,132,248	DAVIS, EMILY	3,132,302
AL SPORTS COACH GMBH	3,132,132	CAMBLI TECHNOLOGIES INC.	3,116,072	DAVIS, EMILY	3,132,303
AL SPORTS COACH GMBH	3,132,168	CANPLAS INDUSTRIES LTD.	3,094,866	DAVIS, EMILY	3,132,306
ALDRICH, CHRISTOPHER LUCIEN	3,094,678	CAPITAL ONE SERVICES, LLC	3,132,665	DAVIS, EMILY	3,132,314
ALDRICH, DALE CHRISTOPHER	3,094,678	CARLSON, LAURENCE A.	3,116,786	DAWSON, JAMES	3,095,149
ALEXANDER, PILL	3,132,955	CARON, FRANCOIS	3,132,687	DE OLIVEIRA VILAR, FABIO	3,131,579
ALLY, JAVED	3,126,509	CARON-SAINT-GEORGES, HUBERT	3,132,236	DEEPCUBE LTD.	3,139,915
ALVAREZ, DANIEL	3,125,107	CARRILLO, BRIAN	3,094,684	DELISLE, VINCENT	3,095,207
AMIN, BASHAR	3,131,828	CASTELL, DEREK RICHARD	3,095,007	DEMONTE, TODD R.	3,116,786
AMIN, BASHAR	3,132,243	CASTONGUAY, PIERRE	3,132,236	DEPOLO, WADE	3,132,429
ANDREYCHUK, MARK	3,132,339	CHABOT, OLIVIER	3,095,207	DERISK CORP.	3,094,856
ANGMAN, PER	3,132,339	CHAKRABARTI, SURYARGHYA	3,125,466	DESMOND, DANIEL	3,130,275
APPANA INDUSTRIES LLC	3,130,986	CHAMMAS PLASMA CUTTERS LLC	3,132,931	DESMOND, DANIEL	3,130,283
APPANA, AMARNAUTH, JR.	3,130,986	CHAMMAS, MICHEL	3,132,931	DESMOND, DANIEL	3,130,298
ARCONAS INVESTMENTS LTD.	3,132,328	CHAN, BRENDAN	3,131,828	DESMOND, DANIEL	3,130,310
ARVINTE, ROMEO	3,132,331	CHAN, BRENDAN	3,132,243	DESNOYERS, NICHOLA	3,132,956
ASKLING, KEVIN LAWRENCE	3,116,786	CHAN, KING SHING	3,131,834	DIANOMIX INC.	3,132,331
ASSA ABLOY ACCESS AND EGRESS HARDWARE GROUP, INC.	3,125,107	CHARBONNEAU, CHANEL	3,128,129	DIEP, JOHN	3,126,509
ASSA ABLOY ACCESSORIES AND DOOR CONTROLS GROUP, INC.	3,144,370	CHEN, MINGTANG	3,131,326	DING, JINFEI	3,135,471
ASSI, PASCAL	3,095,207	CHENARD, ROBERT JOSEPH	3,094,861	DISNEY ENTERPRISES, INC.	3,130,088
ATCITI CORP.	3,094,824	CHICOINE, SIMON	3,116,072	DJOGO, GORAN	3,130,254
AUBEE, NORMAN	3,094,867	CHOI, YOON SEOK	3,125,466	DJOGO, GORAN	3,130,275
AUBEE, NORMAN	3,094,869	CLEAR RUSH CORPORATION	3,094,678	DJOGO, GORAN	3,130,288
AXIS LIGHTING INC.	3,111,253	CLEMENT, PAUL R.	3,095,035	DOORNAERT, DRIES JAN	3,095,177
BAIRD, BARRY WAYNE, JR.	3,095,624	CODAN US CORPORATION	3,132,005	DORAI, SAHANA	3,095,013
BAKKER, MENKO	3,131,324	COLLINS, JOHN	3,113,461	DRIFT RESOURCE TECHNOLOGIES INC.	3,132,000
BAKKER, MENKO	3,131,338	COMCAST CABLE COMMUNICATIONS, LLC	3,132,486	DROLET, MARTIN	3,119,159
BALL, JOHN G.	3,094,634	COMEAU, JEAN-PHILIPPE	3,116,072	DUFRENE, PIERRE	3,132,667
BARBER, JEFFREY, B.	3,136,514	COMEAU, WILL	3,132,678	DUNJIC, MILOS	3,095,007
BARBER, NICHOLAS	3,145,720	CONNOLLY, JOHN EUGENE	3,132,659	DYER, THOMAS J.	3,130,275
BARCO NV	3,095,177	CONWAY, JOHN	3,128,995	DYER, THOMAS J.	3,130,283
BATEMAN, RANDALL B.	3,117,266	COOK, STEPHEN D.	3,132,490	ECKER, JEFFREY AARON	3,095,007
BAXTER, RICK	3,131,746	CORRE, YVES-MARIE	3,131,981	EFORCE RECOVERY SYSTEM INC.	3,147,550
BEALE, LEWIS JOHN	3,105,263	COUSINEAU, MARTIN	3,116,072	EGAN, D. TAFT	3,136,514
BEALE, LEWIS JOHN	3,132,915	COVESTRO LLC	3,131,139	ELAFLEX HIBY GMBH & CO. KG	3,149,081
BECK, JOHN	3,131,828	CREATIVE MEDICAL SOLUTIONS INC.	3,094,684	ELEMENT AI INC.	3,094,680
		CRIPPS, CHANDARA	3,095,652	ELEMENT AI INC.	3,094,683
				ELEMENT AI INC.	3,095,022
				ELEMENT AI INC.	3,095,023

**Index des demandes canadiennes mises à la disponibilité du public
27 mars 2022 au 2 avril 2022**

ENTOS PHARMACEUTICALS INC.	3,094,859	HOBSON, JOHN, BLAKE	3,136,514	KOGA, JEFFREY	3,131,667
ERDLEY, PHILIP, M.	3,136,514	HOLZER, COURTNEY D.	3,132,307	KOGA, JEFFREY	3,131,828
ETH ZURICH	3,130,088	HOOVER, VINCENT	3,131,667	KOGA, JEFFREY	3,131,833
ETTERLIN, THOMAS	3,130,088	HOOVER, VINCENT	3,131,828	KOGA, JEFFREY	3,132,243
FARCAS, MONICA	3,094,684	HOOVER, VINCENT	3,131,833	KOGA, JEFFREY	3,132,251
FAZIO, ROBERT	3,132,955	HOOVER, VINCENT	3,132,243	KOGA, JEFFREY	3,132,261
FELLOWSHIP OF ORTHOPAEDIC RESEARCHERS, INC.	3,132,490	HOOVER, VINCENT	3,132,251	KOGA, JEFFREY	3,132,302
FIGUEROA, ARI	3,132,221	HOOVER, VINCENT	3,132,261	KOGA, JEFFREY	3,132,303
FILLENWARTH, DANIEL P.	3,132,853	HOOVER, VINCENT	3,132,302	KOGA, JEFFREY	3,132,306
FLEXXON PTE. LTD.	3,126,591	HOOVER, VINCENT	3,132,303	KOGA, JEFFREY	3,132,314
FORTIN, FREDERIC	3,119,159	HOOVER, VINCENT	3,132,306	KRONGAUZ, VADIM V.	3,132,429
FRENCH, JOHN	3,130,283	HOOVER, VINCENT	3,132,314	KS2 CORP INC.	3,130,358
FRENCH, JOHN	3,130,298	HUANG, XIN	3,132,346	KUBO, DAIKI	3,132,218
FRENCH, JOHN	3,130,310	HUCK, KENNETH W.	3,132,591	KUMARAN, RAVEEN	3,095,177
FUNG, AARON	3,132,328	HYBRID ENERGIES ALTERNATIVE TECHNOLOGIES INC.	3,145,720	KUNTER, STEFAN	3,149,081
GAGNE, JEAN	3,111,253	HYDRAWALL PTY LTD	3,105,263	LABERGE LABEL, LOUIS	3,095,207
GALLOWAY, WILLIAM	3,095,009	HYDRAWALL PTY LTD	3,132,915	LAKIROVICH, KONSTANTIN	3,130,283
GARY, LOGAN	3,131,667	HYKU HOME INC	3,131,834	LALKA, VIPUL KISHORE	3,095,007
GARY, LOGAN	3,131,828	ICU MEDICAL, INC.	3,132,429	LAMBACH, JAMES L.	3,131,139
GARY, LOGAN	3,131,833	IFP ENERGIES NOUVELLES	3,131,969	LAMONTAGNE, FREDERIC	3,132,956
GARY, LOGAN	3,132,243	ILLINOIS TOOL WORKS INC.	3,130,599	LAPPE, LUCAS	3,131,834
GARY, LOGAN	3,132,251	INA ACQUISITION CORP.	3,131,746	LARAMIE, JACQUES	3,132,271
GARY, LOGAN	3,132,261	INSTITUT NATIONAL D'OPTIQUE	3,132,956	LAWRENCE, CLAUDE BERNELL, JR.	3,095,624
GARY, LOGAN	3,132,302	ISHIKAWA, TOMOKI	3,132,218	LEBEDEV, ANDREY	3,132,543
GARY, LOGAN	3,132,303	ITP NEXT GENERATION TURBINES, S.L.	3,131,702	LEED, ELAM	3,128,129
GARY, LOGAN	3,132,306	JANHUNEN, PETRI	3,132,528	LEFEBVRE, GUY	3,128,049
GARY, LOGAN	3,132,314	JAYATUNGA, RAY ALWIN PERERA	3,094,684	LEGROS, MATHIEU	3,132,956
GENERAL ELECTRIC COMPANY	3,125,466	JIANG, DONGDONG	3,132,002	LESOVIK, GORDEY	3,132,543
GEREZ, JOSHUA MICHAEL	3,097,735	JOHNS MANVILLE	3,128,129	LEWIS, BRENNAN DOUGLAS	3,147,550
GHAEMPOOR, ALIREZA	3,094,824	JONES, CHRISTOPHER MARK	3,095,624	LEWIS, JOHN DAVID	3,094,859
GILADI, ALEXANDER	3,132,486	JONES, ROBERT	3,132,471	LI, QIANWEN	3,135,466
GLEESON, BRYAN MICHAEL	3,095,007	KAHLE, PHILIPP	3,131,474	LI, YIWEN	3,132,346
GLENDENNING, SEAN	3,126,509	KAPPERS, JERROD	3,131,667	LIGUORI, MICHAEL	3,098,379
GLYNN-UDROW, NOLAN	3,095,013	KAPPERS, JERROD	3,131,828	LINCOLN GLOBAL, INC.	3,134,714
GOLD BOND BUILDING PRODUCTS, LLC	3,132,307	KAPPERS, JERROD	3,131,833	LING, CHAN MEI	3,126,591
GOLINOWSKI, JEFFREY	3,094,789	KAPPERS, JERROD	3,132,243	LINSMEIER, CATHERINE	3,131,828
GOODSITT, JEREMY	3,132,665	KAPPERS, JERROD	3,132,251	LINSMEIER, CATHERINE	3,132,243
GREGORY, HEADER A.	3,132,221	KAPPERS, JERROD	3,132,261	LIU, QIAOWEI	3,130,691
GRENIER, MARTIN	3,132,956	KAPPERS, JERROD	3,132,302	LIU, SHIWEI	3,094,908
GROHENS, YVES	3,131,981	KAPPERS, JERROD	3,132,303	LIU, SHIWEI	3,130,691
GROIS, DAN	3,132,486	KAPPERS, JERROD	3,132,306	LIU, SHUANG	3,130,599
GUILLEMIN, FABRICE	3,131,969	KAPPERS, JERROD	3,132,314	LIU, TUANGANG	3,108,465
GUNDRY, ADIA	3,132,271	KARCHNER, STEVE	3,136,514	LMPG INC.	3,130,841
GUO, JIANCHUN	3,113,764	KELLY, KAREN S.	3,131,968	LOFFLER, NORMANN	3,131,474
HAAS, CARL L.	3,130,383	KERR, DONALD	3,132,703	LORENZ, NICOLAS	3,128,618
HAIRSTON, MARK	3,131,746	KING, JEFF	3,094,789	LORENZ, NICOLAS	3,128,619
HARI, JAMIE	3,094,856	KLEIN, ZACHARY	3,132,261	LOVETT, MATTHEW DENTON	3,132,547
HARLAND, CHARLES PETER	3,132,574	KLEIN, ZACHARY L.	3,131,667	LU, YONGLIANG	3,132,004
HARRIS, MARK	3,134,345	KLEIN, ZACHARY L.	3,131,828	LUSSIER, PIERRE-LUC	3,111,253
HATORI, TAKAYUKI	3,132,218	KLEIN, ZACHARY L.	3,131,833	MACH32 INC.	3,132,678
HAWKINSON, WILLIAM	3,144,370	KLEIN, ZACHARY L.	3,132,243	MAES, DIRK LEONTINA	3,095,177
HELMINGER, LEONHARD MARKUS	3,130,088	KLEIN, ZACHARY L.	3,132,251	MAGTEC ALASKA, LLC	3,095,009
HENNIGES, BENJAMIN	3,130,383	KLEIN, ZACHARY L.	3,132,302	MANOJ, JON	3,132,471
HENRY, MARK ANTHONY, JR.	3,097,735	KLEIN, ZACHARY L.	3,132,303	MANTYLA, JAMES B.	3,094,866
HESS, DYLAN	3,131,828	KLEIN, ZACHARY L.	3,132,306	MARENDIC, BORIS	3,130,310
HESS, DYLAN	3,132,243	KLEIN, ZACHARY L.	3,132,314	MARONEY, MICHAEL R.	3,130,254
HIZER, BRITTANY	3,132,271	KLEIN, ZACHARY L.	3,132,303	MARONEY, MICHAEL R.	3,130,275
		KLEIN, ZACHARY L.	3,132,306	MARONEY, MICHAEL R.	3,130,288
		KLEIN, ZACHARY L.	3,132,314	MARTIN, JAMES L., II	3,132,907
		KNIGHT, THOMAS F.	3,132,005	MATSUMOTO, DALE	3,131,828
		KNOTT, MAXIMILIAN	3,131,474	MATTHIAS, SVEN	3,135,433
		KOBOLD CORPORATION	3,132,339	MAXIMUS, BART HENRI JOHANNA	3,095,177

**Index of Canadian Applications Open to Public Inspection
March 27, 2022 to April 2, 2022**

MCCANLESS, FORREST STARNE	3,132,416	OSHKOSH CORPORATION	3,132,251	RICE, JASON	3,131,828
MCCONKEY, RYLEY	3,132,678	OSHKOSH CORPORATION	3,132,261	RICE, JASON	3,132,243
MCGHEE, BRANT R.	3,132,591	OSHKOSH CORPORATION	3,132,302	RICHMOND, SHAUN	3,132,591
MCGHEE, RONALD L.	3,128,351	OSHKOSH CORPORATION	3,132,303	RITCHOT, ROB	3,134,714
MCINTOSH, DARREN C.	3,132,461	OSHKOSH CORPORATION	3,132,306	RIVA MILBERG, ALESSANDRO	3,131,560
MELNICHUK, LARRY J.	3,131,968	OSHKOSH CORPORATION	3,132,314	ROCHOLL, JOSHUA D.	3,131,667
MENDEZ, FREDDY	3,126,509	PACCOR PACKAGING GMBH	3,128,618	ROCHOLL, JOSHUA D.	3,131,828
MERKEL, SABINE	3,131,474	PACCOR PACKAGING GMBH	3,128,619	ROCHOLL, JOSHUA D.	3,131,833
MESSER, RUSSELL J.	3,130,679	PADILLA MARTINEZ, ALAN	3,132,236	ROCHOLL, JOSHUA D.	3,132,243
MESSINA, ROBERT S.	3,132,243	PAKHOMCHIK, ALEXEY	3,131,476	ROCHOLL, JOSHUA D.	3,132,251
MESSINA, ROBERT S.	3,131,828	PALACIOS, HECTOR	3,094,680	ROCHOLL, JOSHUA D.	3,132,261
MESZANIEC, KYLE MICHAEL	3,132,436	PALAMOSINA II, MICHAEL F.	3,131,139	ROCHOLL, JOSHUA D.	3,132,302
MIHALCEA, HRISTEA	3,111,253	PARODY, MICHAEL, L.	3,136,514	ROCHOLL, JOSHUA D.	3,132,303
MIKS, KATHRYN	3,128,129	PEEVER, SHAWN	3,095,376	ROCHOLL, JOSHUA D.	3,132,306
MILES, ANDREW	3,111,253	PELLETER, JACQUES	3,131,981	ROCHOLL, JOSHUA D.	3,132,314
MILTON, JOSEPH W.	3,130,275	PENNALA, CRAIG	3,121,385	RODRIGUEZ, YAN	3,132,416
MILTON, JOSEPH W.	3,130,283	PENNESTRI PRODUCTS, LLC	3,132,215	ROGERS, JOSHUA MERLE	3,097,735
MIRKOVIC, IVAN	3,095,018	PENNESTRI, SCOTT ANTHONY	3,132,215	ROSEVEAR, DALLAS LANE	3,094,678
MOBLEY, JENEE LAPLACE	3,116,786	PERELSHTEIN, MIKHAIL	3,131,476	RUBIN, ERI	3,139,915
MOFFITT, RONALD D.	3,132,429	PEREPUKHOV, ALEKSANDR	3,132,543	RUKAS, CHRISTOPHER J.	3,131,828
MOLLOY, BRIAN	3,094,867	PETERKIN, RYAN A.	3,095,009	RUKAS, CHRISTOPHER J.	3,132,243
MOLLOY, BRIAN	3,094,869	PETERSEN, LORENZ	3,132,132	RULAND, HELMUT	3,128,618
MONIZ, PHILIP LOUIS	3,094,924	PETERSEN, LORENZ	3,132,168	RULAND, HELMUT	3,128,619
MONTENEGRO, ALEJANDRO	3,130,254	PETERSON, WESLEY LYNN	3,132,248	S & C ELECTRIC COMPANY	3,130,275
MONTENEGRO, ALEJANDRO	3,130,275	PFEIFLE, MAXIMILIAN ALEXANDER	3,132,574	S & C ELECTRIC COMPANY	3,130,283
MONTENEGRO, ALEJANDRO	3,130,283	PLAYPOWER, INC.	3,136,514	S & C ELECTRIC COMPANY	3,130,288
MONTENEGRO, ALEJANDRO	3,130,288	PLUIE, INC.	3,132,271	S&C ELECTRIC COMPANY	3,130,254
MONTENEGRO, ALEJANDRO	3,130,298	POLLARD, BRAD	3,132,955	S&C ELECTRIC COMPANY	3,130,298
MONTENEGRO, ALEJANDRO	3,130,310	POLYVALOR, SOCIETE EN COMMANDITE	3,095,207	S&C ELECTRIC COMPANY	3,130,310
MORTON, D. SCOTT	3,132,000	PORTER, DAVID G.	3,130,283	SANG, QIANG	3,132,004
MTT INNOVATION INCORPORATED	3,095,177	PORTER, THEODORE	3,111,253	SANTORO, SCOTT	3,130,841
MULLER, ANNA	3,131,474	POSTER, MATTHEW J.	3,116,786	SASSE, PHILIP	3,132,955
NAGLIK, SHAWN	3,131,828	PRATT & WHITNEY CANADA CORP.	3,119,159	SAWADA, SHUICHI	3,132,218
NAGLIK, SHAWN	3,132,243	PRATT & WHITNEY CANADA CORP.	3,128,049	SAXTON, AARON	3,131,834
NAKANO, TOYOMASA	3,113,265	PRATT & WHITNEY CANADA CORP.	3,129,989	SCAPPATICCI, ANTHONY	3,130,358
NAKASHIMA, TOYOKAZU	3,132,218	PRENDERGAST, JONATHAN JOSEPH	3,095,624	SCARFUTTI, JOSEPH VINCENT	3,095,386
NARUNIEC, JACEK KRZYSZTOF	3,130,088	PTG REIFENDRUCKREGELSY STEME GMBH	3,141,977	SCHAAN, JASON	3,126,509
NASR, NADER	3,131,667	PYYKKOENEN, ILKKA	3,132,528	SCHAD, VINCE	3,131,828
NASR, NADER	3,131,828	QF INNOVATIONS INC.	3,095,015	SCHAD, VINCE	3,132,243
NASR, NADER	3,131,833	QUE, WEIGANG	3,131,326	SCHNEIDER ELECTRIC INDUSTRIES SAS	3,132,667
NASR, NADER	3,132,243	QUINLAN, MICHAEL	3,130,275	SCHNELL, RAFFAEL M.	3,135,433
NASR, NADER	3,132,314	QUINLAN, MICHAEL	3,130,283	SCHROERS, CHRISTOPHER RICHARD	3,130,088
NG, ANDREW	3,126,509	QUINLAN, MICHAEL	3,130,298	SCHUTTE, ANDREAS	3,128,618
NGUYEN, ANTHONY HAITUYEN	3,095,007	QUINLAN, MICHAEL	3,130,310	SCHUTTE, ANDREAS	3,128,619
NGUYEN, HOAI-NAM	3,131,969	RAFFERTY, GALEN	3,132,665	SEGWAY TECHNOLOGY CO., LTD.	3,131,326
NOEL, PIERRE-ANDRE	3,094,680	RAFFERTY, MICHAEL S.	3,132,271	SEGWAY TECHNOLOGY CO., LTD.	3,131,459
NOEL, PIERRE-ANDRE	3,094,683	RAGLIN, JOHN M.	3,130,679	SEIDENFELD, JUSTIN	3,131,834
NOLAN, LIAM P.	3,132,490	RAMIREZ, MANUEL	3,132,264	SEIDL, JOSEF	3,131,474
NOLEN, KENNETH B.	3,130,679	RATURI, ARUN	3,094,859	SENG, NICHOLAS	3,130,254
NOVA CHEMICALS CORPORATION	3,094,867	REEB, DAVID L.	3,132,907	SENG, NICHOLAS	3,130,275
NOVA CHEMICALS CORPORATION	3,094,869	REID, ROY ANDREW	3,094,924	SENG, NICHOLAS	3,130,288
NOZOE, TSUTOMU	3,113,265	REVINGTON, ADRIAN	3,126,509	SERIO-US INDUSTRIES, INC.	3,132,907
OKA, NAOYA	3,132,218			SEUSS, JOHN	3,130,298
ONOMOTION GMBH	3,131,474			SEYFRIED, MIKE	3,132,132
OSHKOSH CORPORATION	3,131,667			SEYFRIED, MIKE	3,132,168
OSHKOSH CORPORATION	3,131,828			SHENZHEN EIGATE TECHNOLOGY CO., LTD.	3,108,465
OSHKOSH CORPORATION	3,131,833			SHOOP, CHARLES RICHARD	3,132,416
OSHKOSH CORPORATION	3,132,243				

**Index des demandes canadiennes mises à la disponibilité du public
27 mars 2022 au 2 avril 2022**

SMITH CHAD, K.	3,132,243	TRINITY NORTH AMERICAN		WESTINGHOUSE AIR BRAKE	
SMITH, CHAD K.	3,131,667	FREIGHT CAR, INC.	3,132,591	TECHNOLOGIES	
SMITH, CHAD K.	3,131,828	TURNER, KEVIN	3,125,466	CORPORATION	3,130,383
SMITH, CHAD K.	3,131,833	UECKER, JAMES LEE	3,130,599	WHITTINGTON, GENE A.	3,132,307
SMITH, CHAD K.	3,132,251	UEHLING, MARK	3,130,383	WITTMAN, QUINCY	3,131,828
SMITH, CHAD K.	3,132,261	ULSAMER, MARIUS	3,132,331	WITTMAN, QUINCY	3,132,243
SMITH, CHAD K.	3,132,302	UNDERBRINK, RICHARD	3,132,429	WOBBEN PROPERTIES GMBH	3,131,324
SMITH, CHAD K.	3,132,303	UNIVERSITE DE BRETAGNE		WOBBEN PROPERTIES GMBH	3,131,338
SMITH, CHAD K.	3,132,306	SUD	3,131,981	WOLF, CHARLES L.	3,130,383
SMITH, CHAD K.	3,132,314	URNAU GOTARDO, PAULO		WONG, KENTON KENG TING	3,130,841
SOKHANDAN ASL, NEGIN	3,095,022	FABIANO	3,130,088	WONG, YUK CHEUNG	3,131,834
SOKHANDAN ASL, NEGIN	3,095,023	VALENCIA DE VILLENA,		XU, HENG	3,131,954
SOUTHWEST PETROLEUM		MARCIA	3,131,560	XU, LEI	3,131,962
UNIVERSITY	3,113,764	VALMET AUTOMATION OY	3,132,528	XU, LIANGWU	3,132,002
SOUTHWIRE COMPANY, LLC	3,132,955	VIETS, SEBASTIAN	3,149,081	YAKES, CHRISTOPHER K.	3,131,828
SPARKLING BINS, LLC	3,128,995	VILAR CORREIA LIMA,		YAKES, CHRISTOPHER K.	3,132,243
SPECTRUM BRANDS, INC.	3,132,547	SALVADOR	3,131,579	YAPHE, HOWARD	3,111,253
STASZAK, JEFFREY R.	3,116,786	VILLARO AMURRIO, MIKEL	3,131,702	YOUNG, MARK D.	3,132,307
STEFAN TALOS, CRISTIAN	3,095,207	VILLENEUVE, GUILLAUME	3,095,207	YOUNGSTROM, JAMES	3,117,266
STODDARD, ZACHARY N.	3,128,351	WALLIN, JACOB	3,131,828	YUAN, XIAO NING	3,094,617
SUMITOMO OSAKA CEMENT		WALLIN, JACOB	3,132,243	ZENG, FANHUI	3,113,764
CO. LTD.	3,113,265	WALTERS, AUSTIN	3,132,665	ZHANG, JIAN	3,132,931
SUN, QIAN	3,132,004	WANG, GANG	3,131,954	ZHANG, QIANG	3,113,764
SUNCOR ENERGY INC.	3,126,509	WANG, LIPING	3,125,466	ZHANG, YU	3,113,764
SWABY, NADIA	3,129,989	WANG, TIANYE	3,130,691	ZHAO, YI	3,131,962
SWISSEM TECHNOLOGIES		WANG, XIAOCHUAN	3,094,867	ZHAO, YUSHENG	3,128,129
AG	3,135,433	WANG, XIAOCHUAN	3,094,869	ZHENG, YAOFENG	3,132,004
SYED, YASSER	3,132,486	WANG, XUEQIAO	3,116,786	ZORICAK, PETER	3,094,867
SYNNOTT, REMY	3,128,049	WANG, YANG	3,131,954	ZORICAK, PETER	3,094,869
TAHIRI, DITURIJE	3,095,026	WARD, BETTY KAY	3,144,370	ZOU, CHANGWU	3,131,459
TAN, PENG	3,094,968	WARDROP, WALTER	3,145,720		
TANG, DONG	3,131,954	WASHBURN, DOUGLAS L.	3,125,466		
TANG, GUOQIANG	3,132,004	WATCHER, SKYLAR A.	3,131,828		
TAX, DAVID SAMUEL	3,095,007	WATCHER, SKYLAR A.	3,132,243		
TELUS COMMUNICATIONS		WATKINS, TODD JOSEPH	3,132,931		
INC.	3,094,968	WATSCO VENTURES LLC	3,132,574		
TERRA QUANTUM AG	3,131,476	WEBER, ROMANN MATTHEW	3,130,088		
TERRA QUANTUM AG	3,132,543	WECKWERTH, CLINTON T.	3,131,667		
TERRIFF, CHRIS	3,132,678	WECKWERTH, CLINTON T.	3,131,828		
TERVO, HEIDI	3,132,528	WECKWERTH, CLINTON T.	3,131,833		
THE BOEING COMPANY	3,128,351	WECKWERTH, CLINTON T.	3,132,243		
THE BOEING COMPANY	3,132,461	WECKWERTH, CLINTON T.	3,132,251		
THE TORONTO-DOMINION		WECKWERTH, CLINTON T.	3,132,261		
BANK	3,095,007	WECKWERTH, CLINTON T.	3,132,302		
THE TORONTO-DOMINION		WECKWERTH, CLINTON T.	3,132,303		
BANK	3,095,013	WECKWERTH, CLINTON T.	3,132,306		
THE TORONTO-DOMINION		WECKWERTH, CLINTON T.	3,132,314		
BANK	3,095,386	WEI, ZHENYI	3,131,828		
THE TORONTO-DOMINION		WEI, ZHENYI	3,132,243		
BANK	3,095,624	WELLWORX ENERGY			
THERMA-STOR LLC	3,116,786	SOLUTIONS LLC	3,130,679		
THOMPSON, JOHN A.	3,132,429	WEN, SHENGYANG	3,135,469		
THOR TECH, INC.	3,132,659	WENTE, DEREK A.	3,131,667		
THUNDER DUNGEON INC.	3,094,924	WENTE, DEREK A.	3,131,828		
TIER 1 ENERGY SOLUTIONS,		WENTE, DEREK A.	3,131,833		
INC.	3,094,789	WENTE, DEREK A.	3,132,243		
TIGGES, MARTIN	3,141,977	WENTE, DEREK A.	3,132,251		
TOKER, CHANTAL I. T.	3,135,433	WENTE, DEREK A.	3,132,261		
TOYOTA JIDOSHA		WENTE, DEREK A.	3,132,302		
KABUSHIKI KAISHA	3,132,218	WENTE, DEREK A.	3,132,303		
TRELEVN, DAVID	3,116,786	WENTE, DEREK A.	3,132,306		
TREMBLAY, SEBASTIEN	3,134,714	WENTE, DEREK A.	3,132,314		
TRICA INC.	3,132,687				

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

10353744 CANADA LTD.	3,152,812	ALSAYAR, MAX	3,152,790	AUTOSTORE TECHNOLOGY	
10353744 CANADA LTD.	3,152,829	ALTEMOSE, GARY	3,152,530	AS	3,148,325
10353744 CANADA LTD.	3,152,833	ALTERGON SA	3,153,101	AUTOTECH ENGINEERING,	
10353744 CANADA LTD.	3,152,835	ALTMAN, ROSS EVERETT	3,148,478	S.L.	3,153,053
10353744 CANADA LTD.	3,152,837	AMADO, JUAN	3,153,250	AVA FOOD LABS, INC.	3,153,243
10353744 CANADA LTD.	3,152,842	AMARO GONZALEZ, DANIEL		AVA FOOD LABS, INC.	3,153,244
10353744 CANADA LTD.	3,152,844	ENRIQUE	3,150,952	AVA FOOD LABS, INC.	3,153,248
10353744 CANADA LTD.	3,152,848	AMERICAN INNOVATIVE		AVERBUCH, DORIAN	3,148,351
10353744 CANADA LTD.	3,152,854	RESEARCH CORP.	3,152,493	AYINAMPUDI, VENKATA	
10353744 CANADA LTD.	3,152,858	AMGEN INC.	3,152,547	SUBBARAO	3,152,770
10353744 CANADA LTD.	3,153,067	AMGEN INC.	3,152,549	AZOULAY, EYAL	3,153,105
4TEEN4 PHARMACEUTICALS		AMGEN INC.	3,152,944	BABRAHAM INSTITUTE	3,153,063
GMBH	3,148,275	AMGEN INC.	3,152,946	BACH, DU JIN	3,152,942
A O FORMAFLOX SWISS AG	3,148,531	AMIR, ELIRON	3,148,351	BADER, SIMON	3,153,068
AASBERG-PETERSEN, KIM	3,153,229	AMMERMAN, NORIKO	3,148,495	BADGER, STEVEN R.	3,152,517
ABACO SYSTEMS, INC.	3,148,267	AMW GMBH	3,153,222	BAEK, JU YUEL	3,153,069
ABBATE, ANTHONY J.	3,152,762	AMW GMBH	3,153,224	BAEZA RAMIREZ, LUIS	
ABBOTT DIABETES CARE,		ANCESTRY.COM		ALEJANDRO	3,153,186
INC.	3,148,534	OPERATIONS INC.	3,153,146	BAGUL, ANUJA	3,148,463
ABBVIE INC.	3,152,734	ANCIMER, RICHARD J.	3,152,824	BAI, JIRONG	3,153,106
ABL BIO, INC.	3,153,069	ANDERSON, JONATHAN	3,148,267	BAIK, JIN HWAN	3,152,942
ABUBAKAR, ARIA	3,153,153	ANDERSSON, NICLAS NILS		BAKER, AARON	3,152,889
ACCELERATED AG		ERIK	3,152,640	BAKER, MARK LAURIN	3,153,043
TECHNOLOGIES, LLC	3,152,771	ANDO, HIROKI	3,148,520	BAKHLE, DHANANJAY	
ACKERMANN, EVA	3,153,077	ANISS, WILL	3,152,530	SADASHIV	3,152,693
ADLER (GEB.		APPLETON GRP LLC	3,148,363	BALSLEY, DUSTIN C.	3,152,949
WALDSCHUETZ), ANNA	3,152,991	APPLIED MEDICAL		BALZANI, DAVIDE	3,153,058
ADORNO, MADDALENA	3,152,786	TECHNOLOGY, INC.	3,153,016	BAMSEY, RYAN	3,148,152
ADVERUM		APTON BIOSYSTEMS, INC.	3,153,127	BANERJI, UDAI	3,152,805
BIOTECHNOLOGIES, INC.	3,148,376	ARBOR BIOTECHNOLOGIES,		BAO, LEI	3,148,367
AGARWAL, SUDHANSHU	3,152,806	INC.	3,152,788	BARCLAY, BEN	3,152,542
AGCO INTERNATIONAL		ARBOR BIOTECHNOLOGIES,		BARD ACCESS SYSTEMS,	
GMBH	3,152,937	INC.	3,153,005	INC.	3,152,545
AGNIASHVILI, PAVEL	3,153,131	ARCELORMITTAL	3,152,494	BARD PERIPHERAL	
AGROFROST NV	3,153,215	ARCHENHOLD, GEOFFREY		VASCULAR, INC.	3,152,542
AHN, JINHYUNG	3,153,069	HOWARD GILLET	3,148,546	BAREKET, YIFAT	3,152,940
AJINOMOTO CO., INC.	3,152,505	ARCTURUS THERAPEUTICS,		BARKSDALE, INC.	3,153,234
AJK BIOPHARMACEUTICAL,		INC.	3,152,529	BARKSDALE, INC.	3,153,263
LLC	3,152,984	ARIZONA BOARD OF		BARNAAL, ERIK	3,152,634
AKER, ALPER BAHRI	3,153,212	REGENTS ON BEHALF OF		BARRERA, LUIS	3,152,861
AKOULITCHEV, ALEXANDRE	3,152,645	ARIZONA STATE		BARRIOS, RAONY	3,152,530
AKZO NOBEL COATINGS		UNIVERSITY	3,152,779	BARTH, DIRK	3,153,222
INTERNATIONAL B.V.	3,152,640	ARIZONA BOARD OF		BARTH, DIRK	3,153,224
ALBA, PASQUALE	3,148,159	REGENTS ON BEHALF OF		BASLER, FRANZ	3,152,967
ALBERT EINSTEIN COLLEGE		ARIZONA STATE		BASSO, PAOLO	3,152,937
OF MEDICINE	3,152,679	UNIVERSITY	3,152,787	BATTEN, ROBERT D.	3,153,043
ALIGN TECHNOLOGY, INC.	3,153,131	ARVIDSSON, HANS	3,153,031	BAULARD, GILLES	3,153,041
ALIOTO, SALVATORE	3,148,329	ARVIDSSON, TOBIAS	3,153,031	BAULARD, GILLES	3,153,109
ALISEA S.R.L.	3,152,962	ASANO, TAKUYA	3,148,503	BAVIUS TECHNOLOGIE	
ALLSTATE INSURANCE		ASH & LACY HOLDINGS		GMBH	3,152,808
COMPANY	3,153,231	LIMITED	3,152,649	BAVIUS TECHNOLOGIE	
ALMANZA, FELIPE	3,153,150	ASKARI, SHAHBAZ	3,153,167	GMBH	3,153,068
ALON, HAGGAI	3,152,940	ASTLE, ROBERT	3,152,530	BAVIUS TECHNOLOGIE	
ALS THERAPY		ATILANO, CHRISTIAN	3,152,794	GMBH	3,153,107
DEVELOPMENT		AUBEE, NORMAN	3,152,938	BAYER CROPSCIENCE LP	3,153,003
INSTITUTE	3,152,807	AUSTRHEIM, TROND	3,148,325		

Index des demandes PCT entrant en phase nationale

BAYLOR COLLEGE OF MEDICINE	3,152,513	BORISEVICH, SERGEY VLADIMIROVICH	3,152,662	CASA, ANDREA	3,152,962
BEAM THERAPEUTICS INC.	3,152,861	BOSECK, BENJAMIN JAMES	3,148,483	CASTELLI FERNANDEZ, QUIM	3,153,200
BEAUTYPASTE LLC	3,152,782	BOSS, DANIEL E.	3,152,979	CEDARS-SINAI MEDICAL CENTER	3,148,495
BECERRA FAJARDO, LAURA	3,153,200	BOSS, DANIEL, E.	3,152,948	CELLIN TECHNOLOGIES OU CEMM-	3,152,963
BEHNAM, NIOSHA	3,153,238	BOTIKOV, ANDREI GENNADEVICH	3,152,658	FORSCHUNGSZENTRUM FUR MOLEKULARE MEDIZIN GMBH	3,153,236
BELGIAN VOLITION SRL	3,152,642	BOTIKOV, ANDREI GENNADEVICH	3,152,662	CENTRE HOSPITALIER UNIVERSITAIRE VAUDOIS (C.H.U.V)	3,148,364
BELINA PHARMA AB	3,148,528	BOULAIS, ETIENNE	3,148,282	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	3,148,349
BELL, DAVID A.	3,148,346	BOURHIS, JEAN FRANCOIS MARIE	3,148,364	CENTRO DE INMUNOLOGIA MOLECULAR	3,150,952
BELL, JOSH	3,148,290	BOURNE, GREGORY THOMAS	3,152,789	CERMAK, CRAIG JOSEPH	3,148,516
BELL, STEVEN GRAHAM	3,153,008	BRACEWELL, JR., JOHN KENNETH	3,152,683	CERN - EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH	3,148,364
BELLESINI, ALVISE	3,152,985	BRAHMKSHATRIYA, PATHIK SUBHASHCHANDRA	3,152,497	CHAE, JEIWOOK	3,153,069
BEN-DOV, MOTI	3,153,131	BRANDAUER, PAUL WILBUR HEISEY	3,153,155	CHAI, LI	3,152,770
BENNINK, KLAUS	3,148,199	BRANDENBURG, BOERRIES	3,152,957	CHANG, GREGORY, P.	3,152,776
BERGMANN, ANDREAS	3,148,275	BRAUN, DORIS ELFRIDE	3,153,230	CHANG, JIN SOOK	3,153,110
BERLICH, ROBERT	3,153,218	BRESSAN, ALESSIO	3,152,498	CHANGZHOU INSTITUTE OF TECHNOLOGY	3,153,106
BERMOND, GUILLAUME	3,153,239	BRESSAN, ALESSIO	3,152,987	CHARM SCIENCES, INC.	3,152,772
BERNARD, CEDRIC	3,153,232	BRESSAN, MICHEL	3,152,498	CHARNE, DAVID GEORGE	3,152,947
BERNIER, FABRICE	3,148,453	BRESSAN, MICHEL	3,152,987	CHATTER, MUKESH	3,153,020
BESWICK, ETHAN CHARLES	3,153,243	BRETL, NEIL	3,152,765	CHATTER, PREETI H.	3,153,020
BESWICK, ETHAN CHARLES	3,153,244	BREWER, JOHN C.	3,148,530	CHAVAN, PRIETAM NIVRUTTI	3,152,693
BESWICK, ETHAN CHARLES	3,153,248	BROWN, CHAD CLAYTON	3,153,131	CHEN, BORIS ANTHONY	3,152,958
BEUTEL, BRUCE AARON	3,153,010	BROWN, SPENCER	3,153,022	CHEN, CHUNMEI	3,152,761
BEVENSEE, BRENDAN ELWOOD	3,148,439	BRUMAR, DANIEL	3,152,635	CHEN, DELI	3,153,166
BEYREM, KHALFAOUI	3,152,766	BRUMAR, DANIEL	3,152,653	CHEN, FANGJIAN	3,153,214
BHASKARAN, SANEESH	3,152,996	BUCHANAN, RONALD ELLSWORTH	3,153,015	CHEN, HAITAO	3,152,837
BIHANI, BALLAV	3,152,958	BUFFAT, JEAN-MICHEL	3,148,360	CHEN, HUI	3,152,829
BILODEAU, ERICA NICOLE	3,153,243	BUNDY, JOSEPH	3,152,516	CHEN, LIPING	3,152,860
BILODEAU, ERICA NICOLE	3,153,244	BURCHARD, PAUL	3,152,688	CHEN, NAISHUAI	3,152,835
BILODEAU, ERICA NICOLE	3,153,248	BURGEL, THOMAS	3,148,343	CHEN, XIAOLI	3,153,153
BINDER, FLORIAN PAUL CHRISTIAN	3,153,115	BURGEL, THOMAS	3,148,352	CHEN, YISHENG	3,152,734
BIO-BEE SDE ELIYAHU LTD.	3,153,246	BURGEL, THOMAS	3,148,352	CHENG, DAVID R.	3,152,788
BIOALGO (CY) CO., LTD	3,153,203	BUSSLER, HOLM	3,152,371	CHENG, DAVID R.	3,153,005
BIOALGO (CY) CO., LTD	3,153,214	CABIOCH, JEAN-LUC	3,148,523	CHEONG, IAN SHEN-YI	3,152,524
BIOALGO (WF) CO., LTD	3,153,203	CADY, KEVIN J.	3,148,157	CHERPECK, RICHARD EUGENE	3,152,983
BIOALGO (WF) CO., LTD	3,153,214	CAFFREY, KEVIN	3,148,544	CHEUNG, ANN, F.	3,152,776
BIOMARIN PHARMACEUTICAL INC.	3,152,521	CAIN, JAMES WESTLAND	3,148,535	CHEVRON JAPAN LTD.	3,152,975
BIOMECH SENSOR LLC	3,152,977	CALFEE, PETER WILLIAM	3,152,998	CHEVRON JAPAN LTD.	3,153,002
BIONOXX INC.	3,152,973	CAMACHO, OSCAR	3,152,696	CHEVRON ORONITE COMPANY LLC	3,152,975
BL TECHNOLOGIES, INC.	3,152,544	CAMELIU ICHIM, IONUT	3,148,152	CHEVRON ORONITE COMPANY LLC	3,152,983
BLEACKLEY, MARK ROBERT	3,152,806	CANOPUS NETWORKS PTY LTD	3,153,038	CHEVRON ORONITE TECHNOLOGY B.V.	3,153,002
BMIC LLC	3,152,948	CANOPY GROWTH CORPORATION	3,152,633	CHEVRON U.S.A. INC.	3,152,983
BMIC LLC	3,152,979	CANOPY GROWTH CORPORATION	3,152,635	CHICH, ADEM	3,152,948
BOCK, CHRISTOPH	3,153,236	CANOPY GROWTH CORPORATION	3,152,653	CHICH, ADEM	3,152,979
BODNER, RUSSELL J.	3,153,123	CAO, PEIXIN	3,153,203	CHINA OILFIELD SERVICES LIMITED	3,152,669
BODY VISION MEDICAL LTD.	3,148,351	CAO, PEIXIN	3,153,214	CHINTAKINDI, SUNIL	3,153,231
BOECKLEIN, SEBASTIAN	3,152,991	CARBON AUTONOMOUS ROBOTICS SYSTEMS INC.	3,152,982		
BOEHRINGER INGELHEIM INTERNATIONAL GMBH	3,153,115	CARLIER, JUAN-TEVA	3,148,513		
BOFFA, ALEXANDER	3,152,975	CARLSBERG A/S	3,148,481		
BOHAM, SCOTT GEORGE	3,152,695	CARPENTER, JEFFREY P.	3,153,022		
BOHAM, SCOTT GEORGE	3,152,832	CARPENTER, JUDITH T.	3,153,022		
BOLLI, MARTIN	3,148,365	CARRSACO, CESAR	3,148,531		
BONACI, VICTORIA	3,152,958	CARUCCI, SIMONE	3,153,101		
BONGIORNO, PAOLO	3,148,159				
BOO, FREDRIK	3,153,112				
BORDER, JOHN LEONARD	3,148,517				
BORISEVICH, SERGEY VLADIMIROVICH	3,152,658				

Index of PCT Applications Entering the National Phase

CHIVUKULA, PADMANABH	3,152,529	DANA-FARBER CANCER		DOLBY LABORATORIES	
CHNG, CHINPING	3,152,763	INSTITUTE, INC.	3,148,310	LICENSING	
CHO, HANG WON	3,152,943	DANEK, IVAN	3,152,818	CORPORATION	3,153,258
CHO, MONG	3,152,973	DANEK, IVAN	3,152,950	DOLE, DOUGLAS R.	3,148,340
CHOI, IN CHAN	3,152,943	DANEK, IVAN	3,152,961	DOLZHIKOVA, INNA	
CHOI, JANGWON	3,152,831	DAOUD, ANTHONY	3,152,688	VADIMOVNA	3,152,658
CHOI, JANGWON	3,152,834	DATLINGER, PAUL	3,153,236	DOLZHIKOVA, INNA	
CHOI, JANGWON	3,152,954	DAUGHERTY, BRUCE	3,152,665	VADIMOVNA	3,152,662
CHOI, JIN HEE	3,152,943	DAVIES, CHRISTOPHER		DONG, BANGFA	3,152,842
CHOI, SUN HYOUNG	3,153,110	WILLIAMSON	3,152,528	DONG, YANRONG	3,152,860
CHOI, SUNG WOOK	3,148,490	DAY, ANDREW K.	3,152,810	DOOLEY, JAMES	3,153,063
CHOMMELOUX, CLAIRE	3,152,975	DCBEL INC.	3,152,365	DORIAN THERAPEUTICS, INC.	3,152,786
CHOQUET, PASCAL	3,153,234	DE LUCA OVEN		DOTTERRER, DOMINIC	3,152,688
CHOQUET, PASCAL	3,153,263	TECHNOLOGIES, LLC	3,148,269	DOUGLAS, JOHN	3,152,977
CHRISTIAN, PAUL DOMINIC	3,152,532	DE LUCA, NICHOLAS P.	3,148,269	DOWELL, ROBIN	3,153,071
CHRISTIANSON, MARK	3,152,632	DE MUYLDER, PETER	3,153,134	DR. TECHN. OLAV OLSEN AS	3,152,816
CHRISTMAS, ELIZABETH	3,148,290	DE PAEPE, GRETEL	3,148,191	DRAGONFLY	
CHUA, MARDONN CARL	3,153,243	DEBAUN, DENISE	3,152,782	THERAPEUTICS, INC.	3,152,776
CHUA, MARDONN CARL	3,153,244	DECLERCK, MATTHEW		DRESSFRESH, INC.	3,152,603
CHUA, MARDONN CARL	3,153,248	DAVID	3,148,483	DROUADAINE, YVES	3,152,494
CJ CHEILJEDANG		DECOLONGON, JOSHUA		DUBOCOVICH, MARGARITA	
CORPORATION	3,153,110	CANARIA	3,153,243	L.	3,153,006
CLARIANT INTERNATIONAL		DECOLONGON, JOSHUA		DUDE, STEFAN	3,152,685
LTD	3,152,991	CANARIA	3,153,244	DUELL, DANIEL	3,148,464
CLEAR SOLUTIONS		DECOLONGON, JOSHUA		DUFF, ROBERT J.	3,152,547
(HOLDINGS) LIMITED	3,148,255	CANARIA	3,153,248	DUFRENE, COREY	3,152,639
CODEXIS, INC.	3,152,763	DEEPQURE INC.	3,152,942	DUNAEVSKY, ALEXANDER	3,148,541
COKE, TANIA ABEDIAN	3,148,412	DEFOOR, PAUL J.	3,152,764	DUPONT INDUSTRIAL	
COKE, TANIA ABEDIAN	3,148,414	DEL RE, DANIELE	3,148,532	BIOSCIENCES USA, LLC	3,152,951
COLESANTO, ANGELO	3,148,324	DELLAS, NIKKI	3,152,763	DWFRTZ AUTOMATION, INC.	3,153,043
COLLIBRA NV	3,148,191	DEMETRIX, INC.	3,152,803	DZHARULLAEVA, ALINA	
COLOMBO, DANIELE	3,152,801	DENG, XINGYU	3,152,760	SHAHMIROVNA	3,152,658
COLOMER, MARC SERRA	3,148,481	DENG, YAOYAO	3,153,106	DZHARULLAEVA, ALINA	
COMPAGNIE GENERALE DES		DENTON, KYLE	3,152,807	SHAHMIROVNA	3,152,662
ETABLISSEMENTS		DENTSPLY DE TREY GMBH	3,153,111	E.T.I.A. - EVALUATION	
MICHELIN	3,148,523	DENTSPLY SIRONA INC.	3,152,967	TECHNOLOGIQUE,	
CONCEICAO, GUARACI	3,152,660	DENTSPLY SIRONA INC.	3,152,971	INGENIERIE ET	
CONNOLLY, EOIN	3,153,240	DENTSPLY SIRONA INC.	3,152,972	APPLICATIONS	3,153,125
CONNOLLY, LYNN E.	3,152,511	DENTSPLY SIRONA INC.	3,152,974	E80 GROUP S.P.A.	3,153,058
CONTE, GREGORY	3,152,730	DENTSPLY SIRONA INC.	3,153,111	EAP PRODUKTIONS- UND	
COOPERSURGICAL, INC.	3,152,631	DEPUY SYNTHES PRODUCTS,		PATENTVERWERTUNGS-	
COPE, JASON	3,152,771	INC.	3,152,685	GMBH	3,153,182
CORTINOVIS, MARCO	3,148,184	DERATT, LINDSEY	3,152,836	EBSWORTH, TARA PRATAP	3,152,631
COSTA, JULIO	3,153,091	DETNET SOUTH AFRICA		ECCLESTON, MARK EDWARD	3,152,642
COWBURN, DAVID	3,152,679	(PTY) LTD	3,148,381	ECOLAB USA INC.	3,152,532
CRAMER, JAMES	3,152,988	DETTMANN, INGA-		EDWARDS, LINDSAY J.	3,148,329
CREDENTIS AG	3,153,103	MADELEINE	3,153,217	EGAWA, KAZUYA	3,148,520
CROOM, ANNA K.	3,148,341	DEVILLERS, THIBAUT	3,148,349	EILERTSEN, LARS	3,152,549
CRUCE, BRADLEY	3,152,657	DEWALD, PAUL	3,148,487	ELI LILLY AND COMPANY	3,148,184
CUEVAS, NESTOR H.	3,152,801	DEWPOINT THERAPEUTICS,		ELI LILLY AND COMPANY	3,148,347
CUFF, DEREK J.	3,153,221	INC.	3,153,010	ELIAS CABRERA, IGOR	
CUILLEROT, JEAN-MARIE	3,152,776	DEZAWA, MARI	3,153,237	SEBASTIAN	3,153,189
CUMMINS INC.	3,152,824	DIAMABRUSH LLC	3,148,281	ELIASSON, ASA	3,152,840
CURRENCY COM LIMITED	3,153,011	DIAZ GOIRE, DAYLI	3,150,952	ELLILAE, SIMO	3,152,819
CURRY, MICHAEL	3,152,657	DIETRICH, GEORGE B.	3,148,204	ELLINGSEN, KJELL EINAR	3,152,502
CUSHEN, PATRICK	3,153,240	DIMIC, RANKO	3,147,166	ELLINGSEN, KJELL EINAR	3,152,817
CUTTING EDGE PACKAGING		DING, YIMING	3,152,833	ELLIS, CHRISTOPHER R.	3,152,997
SOLUTIONS	3,152,777	DINGLEY, AMY	3,152,520	ELLIS, CHRISTOPHER R.	3,153,000
D'ANGELO, GIOVANNI	3,153,101	DITOMMASO, TIA M.	3,152,788	ELLIS, CHRISTOPHER R.	3,153,001
DABORA, REBECCA	3,152,520	DITOMMASO, TIA M.	3,153,005	EMENHEISER, RICHARD	
DAFNI, RON	3,152,940	DOHM, JOHN	3,148,439	BENJAMIN	3,152,530
DAGLOW, TERRY	3,152,496	DOI, RYUJI	3,152,676	EMMANUEL, AKINOLA	
DAHLMANN, GEORG	3,153,115			OLUMIDE	3,152,525
DAI, YUNFA	3,153,203			ENDO, KIYOSHI	3,152,935

Index des demandes PCT entrant en phase nationale

ENERGICAMENTE S.R.L.	3,148,159	FEDERAL STATE	FU, JUNJIANG	3,153,093
ENERGIE PROPRE PRODIGY		BUDGETARY	FUCHS, THOMAS	3,148,542
LTEE / PRODIGY CLEAN		INSTITUTION	FUHR, GEIR GUNDERSEN	3,152,502
ENERGY LTD.	3,151,919	"NATIONAL RESEARCH	FUJIMURA, HIROSHI	3,152,995
ENNAJDAOUL, HANANE	3,152,525	CENTRE FOR	FUTAMURA KAGAKU	
ENSCO INTERNATIONAL		EPIDEMIOLOGY AND	KABUSHIKI KAISHA	3,148,503
INCORPORATED	3,152,993	MICROBIOLOGY NAMED	GABRIELSEN, CORY	3,152,982
ENTOPSIS, INC.	3,152,524	AFTER THE HONORARY	GAILEY, ROBERT	3,152,999
EOM, JAEHYUN	3,153,069	ACADEMICIAN N.F.	GALANIE, STEPHANIE, SUE	3,152,763
EQUINOR ENERGY AS	3,152,502	GAMALEYA" OF THE	GALL, JONATHAN	3,152,511
EQUINOR ENERGY AS	3,152,817	MINISTRY OF HEALTH	GAMLEN TABLETING	
ERB, JOE B.	3,153,015	OF THE RUSSIAN	LIMITED	3,148,353
EROXOVA, ALINA		FEDERATION	GAMLEN, MICHAEL	3,148,353
SERGEEVNA	3,152,658	FEDOROV, SERGEY	GANDOLLA, ALBERTO	3,152,498
EROXOVA, ALINA		FELDMAN, BENJAMIN J.	GANDOLLA, ALBERTO	3,152,987
SERGEEVNA	3,152,662	FENGLER, KEVIN A	GAO, CHONG	3,152,770
ESKO, JEFFREY D.	3,152,781	FENNESSY, ROSS	GAO, YONGDE	3,152,669
ESMAGAMBETOV, ILIAS		FEREYDOON, MARYAM	GARCIA ARTALEJO, JUDEY	
BULATOVICH	3,152,658	FERRENTINO, MARC	AYMED	3,150,952
ESMAGAMBETOV, ILIAS		FEUERSINGER, ALEXANDRA	GARCIA-GARCIA, LEONARDO	3,153,091
BULATOVICH	3,152,662	FEUERSINGER, ALEXANDRA	GARCON, LAURENT	3,153,239
ETERN BIOPHARMA		FF-FUTURE OY	GARNICA, DIEGO JAVIER	3,152,762
(SHANGHAI) CO., LTD.	3,152,674	FIGUEROA PONCE,	GAROUTTE, ROY DANIEL	3,153,043
EUROIMMUN MEDIZINISCHE		HUMBERTO	GARRETT, CAMRON	3,153,022
LABORDIAGNOSTIKA AG	3,153,217	FILIPIAK, ANNA	GASMI, MEHDI	3,148,376
EVANS, ELIZABETH E.	3,152,371	FINKELSTEIN, EMIL	GATES, IAN DONALD	3,148,509
EVANS, JONATHAN	3,152,649	FINNERTY, CAINE M.	GATFIELD, JOHN	3,148,365
EVERTREE	3,153,051	FIRSTENBERG, MICHAL	GAURIAN CORPORATION	3,153,113
EXCELTEC CANADA INC.	3,153,017	FISCHER, JORG	GEE, MARK	3,152,771
EXOTEC	3,153,041	FLANNER, HENRY H.	GEHRKE, JASON MICHAEL	3,152,861
EXOTEC	3,153,109	FLECK, MARTIN THOMAS	GEILING, BEN	3,152,633
EXUMA BIOTECH CORP.	3,152,780	FLENTIE, KELLY	GEILING, BEN	3,152,635
F. HOFFMANN-LA ROCHE AG	3,148,467	FLINT GROUP GERMANY	GEILING, BEN	3,152,653
F. HOFFMANN-LA ROCHE AG	3,153,085	GMBH	GENENTECH, INC.	3,148,521
FADA, ALAN	3,153,061	FLOGISTIX, LP	GENENTECH, INC.	3,152,528
FALLON, DANIEL	3,152,776	FLORES, FABRICE	GENTRY, TODD	3,152,769
FALTIN, PETER	3,152,972	FLORIO, JOSEPH DONATO	GERENCE OPERATING	
FAN, XIAOHU	3,152,936	FLUENCE BIOENGINEERING,	COMPANY	3,148,488
FAN, YING	3,152,860	INC.	GERMOND, JEAN-FRANCOIS	3,148,364
FANG, SHUZH	3,152,848	FOMENOK, IL'YA	GERSTNER, VINCENT	3,153,250
FANG, SHUZH	3,152,854	FOODEA LAB S.R.L.	GERVAIS, THOMAS	3,148,282
FARD, MAHMOOD AZIZPOUR	3,152,633	FORGET, MARC-ANDRE	GHARAKHEILI, HASSAN	
FARD, MAHMOOD AZIZPOUR	3,152,653	FORNARI, FRANK	HABIBI	3,153,038
FARFEL, GAIL M.	3,153,099	FORNOFF, PETER	GHATAK, SUBHADIP	3,153,079
FARKASH, SHAI	3,153,131	FORNOFF, PETER	GIBEAU, ELIE	3,152,494
FARRELL, DAVID J.	3,152,630	FORSTER, JOCHEN	GIBSON, TIM	3,153,231
FATONE, PETER	3,152,685	FOTHERGILL, ALAN	GIERAHN, TODD	3,153,256
FAYE, STANISLAS	3,148,280	FOUCAULT, ANDRE	GILL, ALAN	3,152,807
FEDERAL STATE		FRAIMAN, ZVIKA	GILL, HERMAN SINGH	3,152,528
BUDGETARY		FRANCO ACHURY, LINA	GILLON, BRONWYN	3,152,938
INSTITUTION		FRAUNHOFER-	GIMENEZ LOPEZ, ESTELA	3,150,952
"NATIONAL RESEARCH		GESELLSCHAFT ZUR	GINTSBURG, ALEKSANDR	
CENTRE FOR		FORDERUNG DER	LEONIDOVICH	3,152,658
EPIDEMIOLOGY AND		ANGEWANDTEN	GINTSBURG, ALEKSANDR	
MICROBIOLOGY NAMED		FORSCHUNG E.V.	LEONIDOVICH	3,152,662
AFTER THE HONORARY		FREIMOSER-	GIORDANO, ELIO	3,153,220
ACADEMICIAN N.F.		GRUNDSCHOBBER, ANNE	GJETTING, TORBEN	3,153,213
GAMALEYA" OF THE		FRESENIUS MEDICAL CARE	GK8 LTD	3,152,501
MINISTRY OF HEALTH		DEUTSCHLAND GMBH	GLABERSON, JOHN	3,152,631
OF THE RUSSIAN		FRESENIUS MEDICAL CARE	GLANVILLE, JACOB	3,148,329
FEDERATION	3,152,658	HOLDINGS, INC.	GLASBEY, TREVOR	3,152,802
		FRIGOUT, ARNAUD	GLASS, CHARLES	3,152,781
		FROHLICH, CAMILLA	GLATFELTER, GRANT C.	3,153,006
		FROST, GREGORY IAN	GLEICH, RENATE	3,153,136

Index of PCT Applications Entering the National Phase

GLYCOMIMETICS, INC.	3,148,331	HAGHDOOST MANJILI,		HERRANZ TOMAS, JORDI	3,153,053
GO, MEI LIN	3,152,770	MOHAMMADMEHDI	3,152,653	HESEN, ROBERTUS	
GODFRIN, PAUL DOUGLAS	3,148,539	HALDOR TOPSOE A/S	3,153,229	GERARDUS JOHANNES	
GOERTZEN, WILLIAM	3,153,250	HALE, STEPHEN PAUL	3,153,010	ANTONIUS	3,152,826
GOFF, STEPHEN	3,148,478	HALLIBURTON ENERGY		HEWLETT-PACKARD	
GOFIRE INC.	3,152,998	SERVICES, INC.	3,152,813	DEVELOPMENT	
GOJKOVIC, ZORAN	3,148,481	HALLIBURTON ENERGY		COMPANY, L.P.	3,153,045
GOLDMAN SACHS & CO. LLC	3,152,688	SERVICES, INC.	3,153,008	HEXACORE, INC.	3,153,033
GONG, JIAN	3,152,734	HALLIDAY, CAMERON G.	3,152,778	HEXO OPERATIONS INC.	3,152,790
GONG, YUCHUAN	3,152,734	HALLOWS, WILLIAM, CASEY	3,152,763	HIASA, SHOU	3,153,120
GONZAGA-JAUREGUI,		HAN, ELIZABETH MINHEE	3,152,532	HIBERCELL, INC.	3,152,508
CLAUDIA	3,153,141	HAN, JIAN-HWA	3,152,734	HIBERCELL, INC.	3,152,512
GONZALEZ NICOLINI, MARIA		HAN, MINGXIU	3,153,067	HIBI, NARUHIRO	3,152,935
VALERIA	3,153,085	HAN, NARA	3,153,069	HIERSE, WOLFGANG	3,148,335
GOOGLE LLC	3,148,463	HAN, YU	3,152,812	HIGGINSON-SCOTT, NATHAN	3,148,329
GORDON, JOSEPH	3,152,631	HAN, ZHENXU	3,152,844	HILTI	
GORMLEY, JOHN	3,148,341	HANDROOS, HEIKKI	3,153,094	AKTIENGESELLSCHAFT	3,148,343
GOSWAMI, VISHALGIRI		HANEY, WILLIAM	3,152,776	HILTI	
GUNVANTGIRI	3,152,497	HANG, XIN	3,152,812	AKTIENGESELLSCHAFT	3,148,352
GOURARI, ALEXANDRE	3,149,901	HANGZHOU DIKE		HIRAYAMA, RYU	3,152,995
GOVINDAN, JOTHI		TECHNOLOGIES CO.,		HITACHI ENERGY	
AMARANATH	3,153,020	LTD.	3,148,367	SWITZERLAND AG	3,153,048
GOYAL, SHIVENDRA	3,152,938	HANSEN, RANDI WESTH	3,153,213	HITSCHRICH, NIKLAS	3,152,809
GOYETTE, PIERRE-		HARADA, ERI	3,152,505	HOBART BROTHERS LLC	3,152,516
ALEXANDRE	3,148,282	HARARI, BOAZ	3,148,351	HODEN, BRIAN	3,148,267
GRAHAM, PAUL	3,152,772	HARATA, IKUE	3,152,505	HODOREK, BRIAN C.	3,153,221
GRAMESPACHER, JOSEF	3,152,679	HARDER, LUCAS	3,152,632	HOGENDOORN, RICHARD	3,153,002
GRANDAL, MICHAEL		HARDIE, GEORGE GRANT	3,152,696	HOKEY, DAVID CHARLES	3,148,346
MONRAD	3,153,213	HARDINGE INC.	3,148,464	HOLLISTER INCORPORATED	3,152,630
GRANT INDUSTRIES, INC.	3,148,341	HARITOU, CHRISTOS	3,153,061	HOLM, PER SONNE	3,152,965
GRANT, WILLARD	3,152,530	HARR, STEVE	3,148,370	HOLT, MATTHEW	3,153,063
GRAPHENIX DEVELOPMENT,		HARRIS RESEARCH, INC.	3,152,785	HOLZMUELLER, JASON	3,153,250
INC.	3,148,530	HARTLAGE, ROBERT	3,153,127	HONEYCOMB	
GRASS VALLEY LIMITED	3,148,535	HASEGAWA, HIROKAZU	3,152,507	BIOTECHNOLOGIES, INC.	3,153,256
GRAY, PAUL	3,152,949	HASEGAWA, HIROKAZU	3,152,654	HONG, YOUNGEUN	3,153,069
GREGORY, JONATHAN		HATA, YUTO	3,152,989	HONG, ZEXIN	3,152,667
CHARLES	3,153,042	HATAMOTO, HIROSHI	3,152,992	HONKAWA, FUMIE	3,152,505
GRIESSER, ULRICH	3,153,230	HATTON, TREVOR ALAN	3,152,518	HORI, CHIHARU	3,148,503
GRINBERG, ASYA	3,152,776	HATTON, TREVOR ALAN	3,152,778	HORIZON THERAPEUTICS	
GRISANTI, MARIA	3,153,250	HATZIPETROS, THEO	3,152,807	IRELAND DAC	3,152,740
GRISOSTOMI, CORINNA	3,148,365	HAUGHS, JAMES	3,148,255	HORKAN, CARLOS	3,152,630
GROF, YAIR	3,152,940	HAXHINASTO, SOKOL	3,153,141	HOROVITZ, NADIN DANIEL	3,153,105
GROSMAN, AMIR	3,153,246	HAYASHI, HIROKI	3,148,319	HORWITZ, ANDREW	3,152,803
GROTT, JEFFREY R.	3,148,427	HAYES, HOWARD	3,153,231	HOSSE, RALF	3,153,085
GROUSOVA, DARIA		HAYES, MARGAUX	3,148,290	HOU, DAPENG	3,148,367
MIKHAILOVNA	3,152,658	HAZEN, MEREDITH CARROLL	3,148,521	HOUSMAN, GLENN D.	3,152,724
GROUSOVA, DARIA		HDR SG PTE. LTD.	3,152,657	HOVHANNISYAN, ZARUHI	3,153,141
MIKHAILOVNA	3,152,662	HE, HONGXUE	3,152,854	HOWDEN ROOTS LLC	3,148,346
GRUDIEV, ALEXEJ	3,148,364	HE, YUCHUN	3,152,669	HOWELL, MICHAEL	3,153,076
GU, JUNJIE	3,153,192	HEGDE, SIDDHARTHA	3,148,463	HSU, HAILING	3,152,944
GUELEN, SIMON	3,148,513	HEHN, JOERG P.	3,153,115	HSU, KEVIN	3,148,412
GUERREIRO, NELSON	3,152,840	HEILMAN, PAUL	3,153,127	HSU, KEVIN	3,148,414
GUNAWAN, THERESA LIANG	3,152,983	HEIMANN, ANNEKATRIN		HUANG, CHAOFENG	3,153,139
GUO, XIAOWEI	3,148,183	CHARLOTTE	3,153,115	HUANG, EDMUND	3,148,495
GUPTA, HARDIK	3,152,996	HEINE, RALF,GUNTER	3,153,046	HUANG, HONG ZHI	3,152,952
GUPTA, SUNEEL KUMAR	3,152,789	HEITZ, RENAUD	3,153,041	HUANG, SU	3,148,186
GURJAR, RAVINDRA VIRAJ	3,148,363	HEITZ, RENAUD	3,153,109	HUANG, XIN	3,152,936
GUTELIUS, PATRICK N.	3,152,631	HELLGE, CORNELIUS	3,153,225	HUANG, ZHE	3,152,547
HAEHN, STEVEN J.	3,152,530	HENRIKSSON, PATRIK		HUAWEI TECHNOLOGIES	
HAERIZADEH, FARZAD	3,152,780	BIRGER OTTO	3,152,640	CO., LTD.	3,148,186
HAGHDOOST MANJILI,		HENSHAW, JOSHUA	3,152,521	HUAWEI TECHNOLOGIES	
MOHAMMADMEHDI	3,152,633	HERNSTAD, JON	3,152,816	CO., LTD.	3,148,543
HAGHDOOST MANJILI,		HERNANDEZ DE LA ROSA,		HUBER, ANDREW H.	3,152,537
MOHAMMADMEHDI	3,152,635	LOURDES	3,150,952	HUDA, STEPHEN P.	3,152,530

Index des demandes PCT entrant en phase nationale

HUDSON, JOHN D.	3,152,889	IQBAL, HASSAN	3,152,766	JUTZ, BERNHARD	3,153,044
HUFFMAN, JAMES RON	3,152,952	IRIGARAY, SEBASTIEN	3,152,499	JUZAK, MAREK	3,148,350
HUG, MICHAEL	3,153,103	IRIGARAY, SEBASTIEN	3,152,500	KABUSHIKI KAISHA KOBE	
HUGHES NETWORK SYSTEMS, LLC	3,148,517	IRIGARAY, SEBASTIEN	3,152,990	SEIKO SHO (KOBE STEEL, LTD.)	3,152,503
HUGHES, STEVE	3,152,695	IRION, STEFAN	3,152,522	KAFEMAN, HENRY DAVID	3,148,353
HUGHES, STEVE	3,152,832	ISHIZUKA, ANDREW SCOTT	3,152,796	KALJURA, KARL	3,153,219
HUMMEL, SEAN JOSEPH	3,153,015	ISLA MAPPING LLC	3,152,724	KAMAL, AHMED	3,152,770
HUNAN MEDICAL SCIENCE AND TECHNOLOGY DEVELOPMENT LIMITED COMPANY	3,148,436	ITALCER S.P.A.	3,152,495	KAMATA, YASUHIRO	3,152,504
HUNAN WARRANT PHARMACEUTICAL CO., LTD	3,148,436	IVANOV, ALEXANDR A.	3,148,541	KAMEYAMA, HIROTO	3,152,537
HUNAN WARRANT PHARMACEUTICAL TECHNOLOGY DEVELOPMENT CO., LTD	3,148,436	IVES, SARAH	3,148,329	KAMPERMAN, ANDRE	3,148,375
HUNTER, EWAN	3,152,645	IVIEW THERAPEUTICS (ZHUHAI) CO., LTD.	3,148,362	KANG, DAE HYUCK	3,153,069
HUTCHISON, RICHARD MARTIN	3,152,515	IVIEW THERAPEUTICS, INC.	3,148,359	KANG, HYE JIN	3,153,006
HUYCK LICENSCO INC.	3,153,136	IVIEW THERAPEUTICS, INC.	3,148,362	KANG, NAM SOOK	3,148,490
HWANG, TAE-HO	3,152,973	IVORRA CANO, ANTONI	3,153,200	KANG, THOMAS HYUN KOO	3,152,655
HYDROGENICS CORPORATION	3,152,824	IZAWA, AKIHIRO	3,148,288	KANTO YAKIN KOGYO CO., LTD.	3,148,374
HYPERBOREAN, INC.	3,152,769	IZHAEVA, FATIMA MAGOMETOVNA	3,152,662	KAPLINSKY, MOR	3,152,940
I.G.B. S.R.L.	3,152,498	J. VAN WALRAVEN HOLDING B.V.	3,148,350	KARAFIN, JONATHAN SEAN	3,148,439
I.G.B. S.R.L.	3,152,987	JACKSON, MICHELLE	3,153,016	KARIMI, MOSTAFA	3,153,146
IBRAHIM, MAGED	3,148,453	JACOBY, DAVID	3,152,521	KARMALI, PRIYA	3,152,529
IBRAHIM, PETER	3,152,365	JAHNCKE, JIM	3,153,127	KASHIV BIOSCIENCES, LLC	3,152,497
IDENTY INC.	3,152,996	JAIN, SUVI	3,152,525	KASHIV BIOSCIENCES, LLC	3,152,838
IDORSIA PHARMACEUTICALS LTD	3,148,365	JAKOBSEN, JANUS SCHOU	3,153,213	KATHOLIEKE UNIVERSITEIT LEUVEN, K.U. LEUVEN R&D	3,153,063
IDS GEORADAR S.R.L.	3,153,241	JALAN, ANKUR	3,148,347	KATZ, TOM	3,153,246
IF-ADAMAS B.V.	3,148,375	JAMES, JINJU	3,148,347	KAWAMURA, YUKIKO	3,152,935
IHARA, JUNICHIRO	3,152,935	JAMISON, DALE	3,152,813	KAY, STANLEY EDWARD	3,148,517
IHI CORPORATION	3,148,537	JANSSEN BIOTECH, INC.	3,152,496	KAZANBAS, MEHMET CEMIL	3,153,027
ILLINOIS TOOL WORKS INC.	3,152,515	JANSSEN BIOTECH, INC.	3,152,836	KAZANTSEVA, JEKATERINA	3,152,963
ILMEN, MARJA	3,152,819	JANSSEN VACCINES & PREVENTION B.V.	3,152,957	KEENAN, JOSEPH FRANCIS	3,152,998
IMAI, TOMOYUKI	3,148,288	JAPAN TOBACCO INC.	3,152,939	KEIO UNIVERSITY	3,152,504
IMMUNOVACCINE TECHNOLOGIES INC.	3,153,179	JARVI, ANETTE	3,153,077	KERN, MARIO	3,153,182
IMPERO, PASQUALE	3,152,985	JASTRZEMBSKI, JILLIAN ANGELA	3,153,243	KESTERKE, RICHARD M.	3,148,464
INARI AGRICULTURE, INC.	3,148,478	JASTRZEMBSKI, JILLIAN ANGELA	3,153,244	KHANDAGALE, BHAKTI GIRISH	3,148,184
INCANNEX HEALTHCARE LIMITED	3,152,806	JASTRZEMBSKI, JILLIAN ANGELA	3,153,248	KHANNA, NITIN	3,148,497
INCYTE CORPORATION	3,153,076	JAWA, ANDREW	3,153,221	KIEFER, JAMES RICHARD, JR.	3,152,528
INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY	3,152,770	JAYAMANI, ELAMPARITHI	3,153,020	KIGHT, LAWSON	3,152,657
INNER MONGOLIA EPPEN BIOTECH CO., LTD.	3,148,183	JEA, JOCELYN DUEN-YA	3,152,513	KIM, DONG JOON	3,153,113
INNOVATE IP LIMITED	3,148,152	JEONG, CHANG WOOK	3,152,942	KIM, HYOUNG RAE	3,153,069
INNOVACELL AG	3,148,516	JEONG, SEUNG YONG	3,152,655	KIM, HYUNG JOON	3,153,110
INOUE, MITSUHIRO	3,152,504	JEPPESEN, MADS GRAVERS	3,148,527	KIM, IRENE	3,148,495
INSTITUT POLYTECHNIQUE DE GRENOBLE	3,148,349	JETTY, SIVA S AMMIRAJU	3,152,947	KIM, JAE-JOON	3,152,973
INSTITUTE OF ZOOLOGY, CHINESE ACADEMY OF SCIENCES	3,152,868	JI, JIANYUN	3,152,860	KIM, JOO HAN	3,148,267
INTEGRAL GEOMETRY SCIENCE INC.	3,153,233	JIA, HUIPING	3,148,183	KIM, KYOUNG JAE	3,152,999
INTERSECT ENT, INC.	3,152,762	JIN, JOO HO	3,153,113	KIM, KYUNGRIM	3,153,110
		JIN, JOO HO	3,153,113	KIM, SEON HYE	3,153,110
		JOBGEN, SCOTT CHARLES	3,152,947	KIM, SUNG MIN	3,153,069
		JOHN FLORENCE LIMITED	3,153,091	KIM, TAEWAN	3,152,522
		JOHNSON & JOHNSON CONSUMER INC.	3,152,660	KIM, YONG ZU	3,153,069
		JOHNSON, HILARY A.	3,152,956	KIM, JUHEE	3,153,069
		JONGENELEN, MANDY ANTONIA CATHARINA	3,152,957	KIMURA, KENJIRO	3,153,233
		JOOS, NATHANIEL IAN	3,152,824	KIMURA, NORIAKI	3,153,233
		JORDAN, JR., HENRY JOE	3,152,691	KINASHI, HIKARU	3,152,503
		JORDAN, JR., HENRY JOE	3,152,794	KING, INDIGO	3,152,957
		JORDAN, STANLEY C.	3,148,495	KINNEY, BRIAN LEE	3,148,464
		JUNG, JINWON	3,153,069	KIRIU, MASATO	3,148,288
		JUNG, SAE HYUNG	3,152,507	KIRSCHNER, JULIE	3,153,111
		JUNG, SAE HYUNG	3,152,654	KISS, SZILARD	3,148,376
				KLEDAL, THOMAS N.	3,148,527
				KLEE, JOACHIM E.	3,153,111

Index of PCT Applications Entering the National Phase

KLEIN, CHRISTIAN	3,153,085	LARSEN, KASPER EMIL	3,153,229	LINAN SEGURA, ADDY	3,152,637
KLEIN, LAURENT	3,152,499	LARSON, JIM	3,152,797	LINARES CAYERO,	
KLEIN, LAURENT	3,152,500	LATHAM, JOEL BRADLEY	3,152,806	GUILLERMO	3,153,053
KLEIN, LAURENT	3,152,990	LAUDANTE, GIOVANNI	3,152,985	LINN, SCOTT A.	3,153,045
KLEINFELD, ALAN MARC	3,152,537	LAUER, MICHAEL J.	3,152,771	LINSS, SEBASTIAN	3,153,094
KLIMPEL, ERIK R.	3,152,530	LAURI, GEORGE	3,152,530	LIQUID ROD LIFT, LLC	3,152,691
KLINIKUM RECHTS DER ISAR		LAWLOR, KYNAN	3,148,202	LIQUID ROD LIFT, LLC	3,152,794
DER TECHNISCHEN		LEDERMAN, SETH	3,152,665	LISTON, ADRIAN	3,153,063
UNIVERSITAT MUNCHEN	3,152,965	LEE, ALEC KREMONIC	3,153,243	LITTLE, MELISSA H.	3,148,202
KNAUPP, ALEXANDER	3,153,085	LEE, ALEC KREMONIC	3,153,244	LIU, BEE HUI	3,152,770
KOBIERSKI, MICHAEL E.	3,148,347	LEE, ALEC KREMONIC	3,153,248	LIU, DAVID Y.	3,152,789
KOERBER, JAMES THOMAS	3,152,528	LEE, BORA	3,153,069	LIU, ERLONG	3,153,067
KOHYAMA, JUN	3,152,504	LEE, CHANG SUN	3,153,069	LIU, FENG	3,148,488
KOIKE, RYO	3,152,676	LEE, DONG HYEOK	3,152,655	LIU, HAIBO	3,152,669
KOLZ, JUSTIN	3,153,249	LEE, HYEUN JOUNG	3,153,069	LIU, JIAJIN	3,152,837
KONDAPALLI, SATYA	3,152,516	LEE, HYUN MIN	3,152,943	LIU, JIAJIN	3,152,848
KONINKLIJKE PHILIPS N.V.	3,152,809	LEE, JAE WON	3,148,490	LIU, JIAJIN	3,152,858
KONINKLIJKE PHILIPS N.V.	3,152,826	LEE, JI HYE	3,153,110	LIU, JINNAN	3,148,543
KOO, SO YEON	3,152,522	LEE, JIM	3,153,076	LIU, JIYIN	3,152,952
KOPACH, MICHAEL E.	3,148,347	LEE, JONG WOO	3,152,767	LIU, SHUAISHUAI	3,153,203
KOPELMAN, AVI	3,153,131	LEE, JU YOUNG	3,153,069	LIU, SHUAISHUAI	3,153,214
KOTSELEU, ALIAKSANDR	3,153,011	LEE, SHOU-HSUN	3,148,547	LIU, SHUANG	3,152,516
KOTZEV, MIROSLAV		LEE, YANGSOON	3,153,069	LIU, XIAOMEI	3,152,775
TCHAVDAROV	3,148,545	LEEUVEN, JEROEN VAN	3,153,002	LIU, YE	3,152,952
KOUSAKA, TSUTOMU	3,148,503	LEGOCHEM BIOSCIENCES,		LIU, ZHIJIE	3,152,669
KRAMER, CHASE	3,152,771	INC.	3,153,069	LIVERAMP, INC.	3,152,810
KRAMER, SCOTT	3,152,632	LEGRAND AV INC.	3,153,249	LOGUNOV, DENIS	
KRAUS, PAUL R.	3,152,532	LEI, TINGJUN	3,152,524	YURYEVICH	3,152,658
KRAUSSMAFFEI		LEMMON, ZACHARY		LOGUNOV, DENIS	
TECHNOLOGIES GMBH	3,153,216	HARTFORD	3,148,478	YURYEVICH	3,152,662
KRAVITZ, DAVID	3,153,134	LEPEZ, OLIVIER	3,153,125	LOHAN, SANDEEP	3,152,984
KREMLING, KARL ANTON		LERNER, RICHARD	3,152,959	LOK, KA LEUNG	3,148,427
GROTHE	3,148,478	LERUM, RONALD V.	3,148,341	LONG, YEGUO	3,153,192
KRIEG, KENNETH R.	3,153,139	LESCI, ISIDORO GIORGIO	3,152,495	LONOVEGE CO., LTD.	3,152,992
KRIETE, RICHARD	3,152,733	LESSEL, UTA FRIEDERIKE	3,153,115	LOOG, ANDRUS	3,152,963
KRIGSMAN, MARCUS	3,148,290	LEUNG, PHILIP PARK-HUNG	3,153,008	LOPES, CARLOS EDUARDO	3,152,660
KRONE, TODD	3,152,771	LEVASSEUR, VICTOR	3,152,657	LORENT, KAROL	3,148,513
KUDUK, SCOTT	3,152,836	LEWIS, CARL RAYMOND	3,148,346	LOWREY, IAN	3,152,857
KULIGOWSKI, MICHAEL	3,153,076	LG ELECTRONICS INC.	3,152,831	LOWREY, JUSTIN BENJAMIN	3,151,919
KULP, JACK H.	3,153,150	LG ELECTRONICS INC.	3,152,834	LOYER, HAROLD BERNARD	3,153,117
KUMAR, ARUN PRAKASH	3,148,346	LG ELECTRONICS INC.	3,152,954	LSI SOLUTIONS, INC.	3,148,483
KUMAR, RITWIK KAILASH	3,152,958	LI, AN-HU	3,152,508	LU, JITING	3,152,674
KUMRU, MEMET-EMIN	3,148,343	LI, AN-HU	3,152,512	LU, XIANPING	3,152,760
KUMRU, MEMET-EMIN	3,148,352	LI, CHENG	3,152,844	LU, YINSUO	3,152,667
KUNDU, ANIRBAN	3,152,780	LI, CHUN-I	3,148,547	LU, YU	3,148,347
KUPER, DANE T.	3,152,949	LI, MIN	3,152,669	LUBKER, POUL ANKER	
KUSLYS, MARTINAS JURGIS	3,153,046	LI, MIN	3,152,734	SKAARUP	3,152,766
KUSLYS, MARTINAS JURGIS	3,153,077	LI, NAN	3,148,488	LUGODA, PASINDU	3,153,091
KUTSCHERAUER, MARTIN	3,152,991	LI, RUIJUAN	3,148,478	LUKASHEV, MATVEY	3,152,807
KWON, BRIAN	3,153,167	LIANG, BO	3,148,359	LUNDQUIST, JOSHUA	3,153,243
KX TECHNOLOGIES LLC	3,152,530	LIANG, BO	3,148,362	LUNDQUIST, JOSHUA	3,153,244
KYAS, ANDREAS HELMUT		LIANG, FENG	3,134,719	LUNDQUIST, JOSHUA	3,153,248
BERND	3,148,331	LIANG, JING	3,153,084	LUO, LIMING	3,152,513
LALEVEE, JACQUES	3,153,111	LIAO, FENGYUN	3,153,093	LUPIN LIMITED	3,152,693
LAM, PATRICK	3,152,938	LIFE SCIENCE INSTITUTE,		LYNN, GEOFFREY MARTIN	3,152,796
LAMARRE, JEAN-MICHEL	3,148,453	INC.	3,153,237	LYSEK, DOMINIKUS	
LAMESH, LIOR	3,152,501	LIFELINE SCIENTIFIC, INC.	3,153,134	AMADEUS	3,153,103
LANDBO, TROND	3,152,816	LIGHT FIELD LAB, INC.	3,148,439	MA, FENGYONG	3,148,183
LANGEDIJK, JOHANNES		LIGHTBODY, OWEN	3,152,938	MA, PATRICK ZHIYUAN	3,153,250
PETRUS MARIA	3,152,957	LIM, FRANCIS BUAN HONG	3,152,524	MA, SHI LIN	3,152,868
LANTTO, JOHAN	3,153,213	LIN, CHIH HAO	3,152,775	MACDONALD, GEORGE	
LANZ, MARC	3,148,331	LIN, FATTY	3,148,488	ALEXANDER	3,152,629
LAO, DAPENG	3,148,543	LIN, JIANCHAO	3,148,488	MACHADO, MARCELLO	
LARSEN, HELEN B.	3,152,517	LIN, ZHONGHUA	3,148,521	CORREA	3,152,530

Index des demandes PCT entrant en phase nationale

MADANAPALLI, SHARAT CHANDRA	3,153,038	MEHTA, SANDIP PARESHBHAI	3,152,497	MOULIN, ROMAIN	3,153,041
MADELEINE, DENNIS GERARD	3,152,951	MEHTA, SNEHA	3,152,958	MOULIN, ROMAIN	3,153,109
MADURO NORBO, TOBIAS	3,152,549	MEI, WENBIN	3,148,478	MOURAD, MOHAMED	3,153,008
MAES, MICHAEL	3,148,191	MEILLE, CHRISTOPHE	3,152,840	MOYER, WILLIAM JAMES	3,152,530
MAGNANI, JOHN L.	3,148,331	MELEN, FABIO	3,148,324	MU, CHONG	3,153,067
MAIDA, VINCENZO	3,153,176	MEMORIAL SLOAN KETTERING CANCER CENTER	3,148,542	MUIR, TOM W.	3,152,679
MAJEED, MUHAMMED	3,152,792	MEMORIAL SLOAN-KETTERING CANCER CENTER	3,152,522	MULLEN, CRAIG	3,152,797
MAKIEWSKY, IGOR	3,153,131	MENG, GANG	3,148,183	MULLER, UWE	3,148,199
MALEY, JOHN C.	3,148,427	MENNO-CHEMIE VERTRIEB GMBH	3,152,941	MULVIHILL, MARK J.	3,152,508
MAMMO ZAGARELLA, DIEGO	3,148,159	MENSSSEN, HANS	3,152,840	MULVIHILL, MARK J.	3,152,512
MANACORDA, GUIDO	3,153,241	MERCK PATENT GMBH	3,148,335	MUNCH, HENRIK FISCHER	3,148,536
MANASSRA, ADNAN RASHID	3,152,785	MEREN, TIIT	3,152,963	MUNDING, PAUL	3,152,889
MANDAL, DINDYAL	3,152,984	MESSANA, ANGELICA	3,152,861	MUNDKUR, LAKSHMI	3,152,792
MANGEON PASTORI, CARINE	3,153,051	MESTL, GERHARD	3,152,991	MUNOZ ROSAS, CARLOS ROBERTO	3,153,189
MANIAR, HIREN	3,153,153	METZGER, DAVID	3,152,734	MUNZENRIEDER, NIKO	3,153,091
MANKE, GREGORY HOWARD	3,153,250	MEY, JONATHAN	3,152,982	MURCKO, MARK ANDREW	3,153,010
MANN, THOMAS RICHARD	3,153,155	MEYERS, IAN	3,152,810	MURDOCH CHILDREN'S RESEARCH INSTITUTE	3,148,202
MANOHARA, MEGHA	3,152,775	MEYERSON, NICHOLAS R.	3,153,071	MURRAY, MICHAEL G.	3,152,630
MAREDDY, NAVEEN	3,152,775	MI ROBOTIC SOLUTIONS S.A.	3,153,186	MURTHI, ANAND M.	3,153,221
MARIA, AMIR GAMAL	3,152,983	MI ROBOTIC SOLUTIONS S.A.	3,153,189	MURUGAN, SATHEESH	3,152,996
MARKOVSKY, ROBERT J.	3,152,772	MICALLEF, JACOB VINCENT	3,152,642	MUSONE, VINCENZO	3,152,985
MARQUESS, FOLEY L.S.	3,152,764	MICRO MOTION, INC.	3,152,629	NAGABHUSHANAM, KALYANAM	3,152,792
MARQUEZ DURAN, SERGI	3,153,053	MIKESELL, PAUL	3,152,982	NAHUM, TEHILA	3,152,940
MARR, DEVIN H.	3,153,022	MIKHASIOU, ARTSIOM	3,153,011	NAILL, MICHAEL, C.	3,152,776
MARTELLARO, ANGELO JOHN	3,148,483	MILDER, FERDINAND JACOBUS	3,152,957	NAKAHARA, KOICHI	3,152,989
MARTIN, PARTHENA M.	3,153,099	MILLER, ADAM QUINN	3,153,043	NAKAMURA, MASAYA	3,152,504
MARUSUMI PAPER CO., LTD.	3,153,120	MILLER, ERICK	3,152,516	NAKAYAMA, TAKUYA	3,152,935
MARUTA, SATOSHI	3,152,639	MILLER, JOHN ROBERT	3,152,975	NAM, JONG HYUN	3,152,970
MARVELBIOME, INC.	3,153,020	MILOJEVIC, ANDRIJA	3,153,094	NAM, JUNGHAK	3,152,831
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	3,148,356	MINDORF, SWANTJE	3,153,217	NAM, JUNGHAK	3,152,834
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	3,152,518	MINGALIEV, SHAVKAT	3,152,766	NAM, JUNGHAK	3,152,954
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	3,152,778	MISRA, VINITH	3,152,958	NANJING LEGEND BIOTECH CO., LTD.	3,152,936
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	3,152,956	MITSUYASU, TADASHI	3,152,992	NARAYAN, OM	3,152,838
MASSARI, ROSSANO CLAUDIO	3,148,184	MITTLEMAN, ADAM DUCKWORTH	3,148,463	NARAYANAN, ADITYA	3,148,463
MASSEY, STEVEN	3,152,516	MIZKAN HOLDINGS CO., LTD.	3,152,935	NARODITSKIY, BORIS SAVELIEVICH	3,152,662
MASSEY, STEVEN B.	3,152,515	MIZUMURA, TAKAHITO	3,152,995	NARODITSKIY, BORIS SAVELIEVICH	3,152,658
MASTROIANNI, EUGENE	3,152,733	MODI, NISHIT BACHULAL	3,152,789	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY	3,148,503
MATHISON, PAUL	3,153,030	MOESSNER, EKKEHARD	3,153,085	NATIONAL RESEARCH COUNCIL OF CANADA	3,148,453
MATLACK, BRADLEY	3,153,250	MOGALIAN, ERIK	3,152,511	NATIONAL RESEARCH COUNCIL OF CANADA	3,152,664
MAURER, DAVID	3,148,329	MOGI, HISASHI	3,152,995	NATIONAL UNIVERSITY OF SINGAPORE	3,152,770
MAURISSENS, DANIEL AUGUSTE	3,148,381	MOHAMED, AHMED	3,152,734	NAWROTH, ROMAN	3,152,965
MAUS, GEOFFREY B.	3,153,150	MOHAMMED, EMAN	3,152,984	NEEMAN, RONEN	3,148,351
MAY, PRESTON ANDREW	3,152,813	MOLAVI, BEHNAM	3,153,167	NELSON, DOUGLAS J.	3,152,797
MAYNARD, ROLAND	3,153,003	MOLINARO, MARK CHRISTOPHER	3,153,015	NESSE, HARALD SIGURD	3,152,502
MCBRAYER, BRETT	3,152,952	MOLONEY, PATRICK	3,153,219	NETFLIX, INC.	3,152,775
MCCOLLOUGH, THOMAS W.	3,152,530	MONOD, ANTHONY	3,148,523	NETFLIX, INC.	3,152,958
MCEWAN, MICHAEL	3,152,696	MOORTHY, ANUSH	3,152,775	NETFLIX, INC.	3,153,238
MCFADDEN, DOUGLAS GRANT	3,152,779	MORGAN, CHRISTOPHER, RYAN	3,152,776	NEURAL CLAIM SYSTEM, INC.	3,152,797
MCFADDEN, DOUGLAS GRANT	3,152,787	MORIN, PHILIPPE	3,152,945	NEUTRIK AG	3,153,044
MCGRATH, DAVID	3,153,258	MORLET-SCARY, FABRICE	3,153,111	NEUTRON AUTOMOTIVE CONTROLS INC.	3,149,901
MCKAY, IAN BOYD	3,152,798	MORRISON, GLENN	3,153,099		
MCNEICE, GARY WAYNE	3,152,801	MORTENSEN, PETER			
MCPEEK, DAVID ALLEN	3,153,015	MOLGAARD	3,153,229		
		MOSHE, MAAYAN	3,153,131		

Index of PCT Applications Entering the National Phase

NEVERMANN, JAN	3,152,941	OLIV, LUKAS	3,153,222	PEPIN, BRIAN MARC	3,148,545
NEW YORK SOCIETY FOR THE RELIEF OF THE RUPTURED AND CRIPPLED MAINTAINING THE HOSPITAL FOR SPECIAL SURGERY	3,148,273	OLIV, LUKAS	3,153,224	PERFORMANCE LIVESTOCK ANALYTICS, INC.	3,152,949
NEW YORK UNIVERSITY	3,152,988	OLSSON KARLBERG, NILS GUSTAV MARTIN	3,152,640	PERRET-MEYER, ALEXANDRE	3,153,232
NEWMAN, LAWRENCE C.	3,152,988	OLSSON, HAKAN	3,148,528	PERRETT, DAN	3,153,220
NG, JUKI WING-KEUNG	3,152,734	OMATA, YUUKI	3,148,520	PERRIN, CHAD	3,152,632
NG, SHYH CHANG	3,152,868	ONCOMYX THERAPEUTICS, INC.	3,152,779	PERRIN, STEVEN	3,152,807
NGO, TU DUC	3,152,762	ONEBIOPHARMA, INC.	3,152,520	PERRY, ERIC	3,152,889
NGUYEN, THI THANH THAO	3,148,290	ONPOINT VISION, INC.	3,148,157	PESQUEDA PINEDO, LUCIANO	3,152,637
NICCOM, DAN	3,152,945	ONUFFER, JAMES JOSEPH	3,152,780	PETERSON, JOHN M.	3,148,331
NICOLIS DI ROBILANT, BENEDETTA	3,152,786	OQAB DIETRICH INDUCTION INC.	3,148,204	PETTINATO, DAVID	3,153,134
NICOVENTURES TRADING LIMITED	3,152,695	OQAB, HAROON B.	3,148,204	PEZZOLI, MAURO	3,152,801
NICOVENTURES TRADING LIMITED	3,152,696	ORLAND, MATAN	3,152,501	PHILIPPE, JOSHUA	3,152,657
NICOVENTURES TRADING LIMITED	3,152,832	OSBORNE, AARON	3,148,376	PHILIPS, GRANT WESLEY	3,153,016
NICOVENTURES TRADING LIMITED	3,153,219	OSSWALD, GERD	3,148,331	PI, SHIQING	3,148,436
NIHON MEDI-PHYSICS CO., LTD.	3,148,288	OTIPOBY, KEVIN LEWIS	3,148,329	PICHA, GEORGE J.	3,153,016
NIJDAM, FRANK	3,148,350	OTSUKI, TAKAYUKI	3,148,319	PICTOMETRY INTERNATIONAL CORP.	3,148,187
NIKITENKO, NATALYA ANATOLEVNA	3,152,658	OUYANG, TIANMEI	3,148,534	PILOTO, OBDULIO	3,152,524
NILSSON, ANDERS	3,152,823	OVICE, INC.	3,152,507	PIONEER HI-BRED INTERNATIONAL, INC.	3,152,947
NILSSON, ANDERS	3,153,112	OVICE, INC.	3,152,654	PIPCHUK, DOUGLAS	3,153,250
NIPPON PAPER INDUSTRIES CO., LTD.	3,152,676	OVINTO CVBA	3,153,226	PITTS, OLIVER JAMES	3,152,664
NIPPON STEEL & SUMITOMO METAL CORPORATION	3,152,639	OWENS CORNING INTELLECTUAL CAPITAL, LLC	3,152,517	PLANTMA AB	3,153,031
NIPPON STEEL CORPORATION	3,152,995	OWENS, AUSTIN	3,153,220	PLATT, DARREN	3,152,803
NISHIGAKI, NOBORU	3,148,319	OWENS, WINDSOR	3,153,127	POBLETE GUTIERREZ, MARIO FRANCISCO	3,153,189
NISHIYAMA, SEIJI	3,153,120	OXFORD BIODYNAMICS PLC	3,152,645	POLLEUNIS, MARC GUY	3,153,215
NOBELPHARMA CO., LTD.	3,153,004	OZDEMIR, CENK	3,153,212	POLYVALOR, LIMITED PARTNERSHIP	3,148,282
NOISTERNIG, MICHAEL F.	3,153,230	OZHAROVSKAIA, TATIANA ANDREEVNA	3,152,658	PONTAROLO ENGINEERING S.P.A.	3,148,532
NOMURA, TATSUO	3,153,004	OZHAROVSKAIA, TATIANA ANDREEVNA	3,152,662	PONTAROLO, LUCA	3,148,532
NORTHWESTERN UNIVERSITY	3,148,318	PADILLA, JESUS A.	3,148,462	PONTAROLO, VALERIO	3,148,532
NOVA CHEMICALS CORPORATION	3,152,938	PAIGE, CAMILE L.	3,153,071	PONTIGGIA, MARCO	3,153,101
NOVALON SA	3,148,360	PALMER, DAVID W.	3,152,493	POPOVA, OLGA	3,152,658
NOVARTIS AG	3,152,499	PALUSHAJ, SIMON	3,148,281	POPOVA, OLGA	3,152,662
NOVARTIS AG	3,152,500	PAN, DESI	3,152,760	PORTER, STEPHEN	3,153,091
NOVARTIS AG	3,152,840	PANDION THERAPEUTICS, INC.	3,148,329	POSER, INA	3,153,010
NOVARTIS AG	3,152,990	PANDYA, HETA NISHIL	3,152,497	PRAVEEN, KAVITA	3,153,141
NOVOZYMES A/S	3,152,952	PANESAR, SATWINDER S.	3,152,630	PRESIDENT AND FELLOWS OF HARVARD COLLEGE	3,148,356
NOWARRA, OLIVER	3,152,971	PANG, PHILLIP S.	3,152,511	PRESS, ULRICH	3,152,969
NOWARRA, OLIVER	3,152,972	PANSHIN, STEPHEN D.	3,153,045	PRINCE, MATTHEW J.	3,152,545
NOWARRA, OLIVER	3,152,974	PARANG, KEYKAVOUS	3,152,984	PROBST, CHRISTIAN	3,153,217
NUVAMID SA	3,153,239	PARK, KOO YUN	3,153,113	PROKOPENYA, VIKTOR	3,153,011
NYAYADHISH, VARUN VINAYKUMAR	3,153,250	PARK, KYUNG EUN	3,153,069	PROOV STATION	3,153,232
O'NEIL, STEVEN	3,152,776	PARK, KYUNGJIN	3,153,069	PROTAGONIST THERAPEUTICS, INC.	3,152,789
O'TOOLE, TERRENCE R.	3,148,530	PARK, MINJI	3,153,069	PULFREY, SHAUN	3,153,220
OGASAWARA, YASUSHI	3,152,935	PARK, PAUL M.	3,148,310	PULSE BIOSCIENCES, INC.	3,153,139
OH, JI HYE	3,153,069	PARK, STEVEN	3,153,008	PURDY, MATT J.	3,153,221
OHTA, TAKESHI	3,152,939	PARK, SUNG MIN	3,152,942	QI, JUN	3,148,310
OKANO, HIDEYUKI	3,152,504	PARK, YUN HEE	3,153,069	QI, XIN	3,153,093
		PASCULLI, DAVIDE	3,153,241	QINGDAO RANDALL AERODYNAMIC ENGINEERING, LLC	3,152,761
		PATEL, SUMAN	3,152,520	QIU, YIHONG	3,152,734
		PECHEANU AIR COMPRESSORS INC	3,145,921	QUANEX IG SYSTEMS, INC.	3,153,015
		PECHEANU, CRISTINEL	3,145,921	QUICKE, HAROLD	3,153,003
		PEESAPATI, SAMEER	3,153,012	QUINTANA HAU, JUAN DE DIOS	3,152,637
		PEI, CHENG-KUI	3,148,310		
		PEI, YINYIN	3,152,854		
		PENG, HAIZHOU	3,148,362		
		PENSANDO SYSTEMS INC.	3,153,030		

Index des demandes PCT entrant en phase nationale

QUIST, KARL	3,152,823	ROTH, JASON TODD	3,148,336	SCHMIDT, JONATHAN	
QUIST, KARL	3,153,112	ROUSEY, CHRISTOPHER	3,152,530	BECKER	3,153,023
QUOC, TUYEN VAN	3,153,030	RUGGLES, ALEXANDER	3,152,734	SCHNEIDER, HANS-CHRISTIAN	3,152,967
RACCHELLA, FABIO	3,152,937	RUNE LABS, INC.	3,148,545	SCHNEIDER, NICOLAS	3,152,494
RADDATZ, KLAUS	3,153,222	RUSSELL, BEN	3,148,535	SCHNITZER, ORIT	3,153,105
RADDATZ, KLAUS	3,153,224	RUSSO, PAOLO	3,153,101	SCHONEMANN, MAGDALENA SONJA	3,153,230
RADHAKRISHNAN, SRIDHAR	3,152,770	RUST, MATHEW	3,148,290	SCHRECKENBERG, MARCUS	3,152,809
RADIANT RESEARCH LIMITED	3,148,546	RUZO MATIAS, ALBERTO	3,152,525	SCHREPFFER, SONJA	3,148,370
RAHMAN, MOHAMMED		RYALS, MADELINE	3,153,009	SCHUEFFLER, PETER	3,148,542
MASMUDUR	3,152,779	RYU, HYUN MIN	3,153,069	SCHULTZ, JACQUE	3,148,346
RAHMAN, MOHAMMED		SABETI, PARDIS	3,148,356	SCHUMMERS, GEORG	3,152,809
MASMUDUR	3,152,787	SABINA, MICHAEL	3,153,131	SCHWIERTZ, MARTIN	3,148,199
RAHN, RACHEL MARIE	3,152,532	SADE, HAGIT	3,152,940	SCHWIMMER, LAUREN	3,148,329
RAIK, MART	3,152,963	SAGEMCON BROADBAND SAS	3,148,280	SCHWIZER, DANIEL	3,148,331
RAJAGOPALAN, RAJKANNAN	3,153,179	SAGER, CHRISTOPH	3,148,365	SCOTT, DAVID A.	3,152,788
RAJAPPAN, KUMAR	3,152,529	SAIKI, YOSHIKATSU	3,153,237	SCOTT, DAVID A.	3,153,005
RAMADASS, AROUL SELVAM	3,152,645	SAIKRISHNAN, NEELAKANTAN	3,152,632	SEATS, DYLAN THOMAS	3,153,015
RAMAN, PIRABHU	3,153,030	SAITO, MIHO	3,152,504	SEBASTIAN, DEREK JAMES	3,153,003
RAMESH, SRIVATSAN	3,148,412	SAJET, PHILIPPE	3,153,125	SECURITY MATTERS LTD.	3,152,940
RAMESH, SRIVATSAN	3,148,414	SAKAKIBARA, FUMIYASU	3,152,676	SEKAR, GIRIDHAR	3,152,679
RAMIREZ, JOSE G.	3,152,547	SAKUTA, ATSUSHI	3,148,319	SEKI, NAOKI	3,148,537
RANDALL AERODYNAMIC ENGINEERING, GUANGZHOU, LLC	3,152,761	SALAMANCA POBLETE, HUGO CESAR	3,153,186	SEKIGUCHI, SHUNJI	3,152,676
RANDALL, RYAN MICHAEL	3,152,761	SALUJA, AVNEESH SINGH	3,152,958	SELUX DIAGNOSTICS, INC.	3,152,541
RANIERI, SALVATORE	3,152,824	SALVEO, INC.	3,152,683	SEMIENIAKIN, MARIANNA	3,152,958
RAO, VENIGALLA B.	3,148,369	SAMI-SABINSA GROUP LIMITED	3,152,792	SEMIKHIN, ALEKSANDR SERGEEVICH	3,152,658
RASKHODCHIKOV, ALEXANDER	3,153,131	SAMPRONI, JENNIFER	3,152,784	SEMIKHIN, ALEKSANDR SERGEEVICH	3,152,662
RASMUS-VORRATH, JACK	3,148,497	SAN MIGUEL, FRANCISCO J.	3,152,775	SEN, CHANDAN K.	3,153,079
RAZOUKI, ARAM	3,152,603	SANA BIOTECHNOLOGY, INC.	3,148,370	SEO, HEE SUN	3,153,113
REDDY, B. RAGHAVA	3,134,719	SANA BIOTECHNOLOGY, INC.	3,152,525	SEOUL NATIONAL UNIVERSITY R&DB FOUNDATION	3,152,655
REDDY, GURU	3,148,413	SANCHEZ DE LA FUENTE, YAGO	3,153,225	SERBAN, MONICA	3,148,428
REDELMAN, GARY ALBERT	3,148,346	SANO, RYUHEI	3,152,939	SERDAR PLASTIK SANAYI VE TICARET ANONIM SIRKETI	3,153,034
REEDER, THADD	3,153,099	SANTOKU CORPORATION	3,148,319	SERVATI, AMIR	3,153,167
REGENERON PHARMACEUTICALS, INC.	3,153,141	SAPHIER, OFER	3,153,131	SERVATI, PEYMAN	3,153,167
REINAS, LORENTS	3,152,502	SARKAR, ARUN K.	3,148,331	SESHASAYEE, DHAYA	3,148,521
RELICA GENOMICS INC.	3,152,764	SARMIENTO CONDE, YANARA	3,150,952	SEUSTER KG	3,148,339
REMEN, LUBOS	3,148,365	SARWAL, MINNIE M.	3,152,793	SEXTEN, WILLIAM JUSTIN	3,152,949
REN, HUILI	3,153,192	SATTELL, JACK B.	3,153,022	SEZGANOV, DIMA	3,148,351
REN, XIAOHONG	3,153,250	SAUDI ARABIAN OIL COMPANY	3,134,719	SHADGAN, BABAK	3,153,167
RESCH, MARK	3,152,765	SAUDI ARABIAN OIL COMPANY	3,152,801	SHAH, CHIRAG ANILKUMAR	3,152,693
RESNECK, MYRRHIA R.	3,148,463	SAUER, MD JUDE S.	3,148,483	SHAH, JAGESH V.	3,152,525
REZAC, DAVID A.	3,153,022	SAWYER, SARA L.	3,153,071	SHAH, SUMIT MAHESHKUMAR	3,152,838
RICHTER, WOLFGANG	3,153,085	SAYARLAR, MEHMET FATIH	3,153,027	SHALTI, TAL	3,152,501
RITSCHER, TINA	3,152,957	SCHAADT, GREGORY P.	3,153,139	SHAMAI, SHAHAR	3,152,501
RITTER, ELISABETH	3,153,222	SCHAEFER, ANDREAS	3,152,974	SHAN, SONG	3,152,760
RITTER, ELISABETH	3,153,224	SCHAUBMAR, ANDREAS	3,148,467	SHANGHAITECH UNIVERSITY	3,152,959
ROBERTS, RODNEY DALE	3,148,346	SCHIERL, THOMAS	3,153,225	SHANGHAVI, DEVANSHI	3,148,329
RODRIGUEZ OBAYA, TERESITA DE JESUS	3,150,952	SCHLAGE LOCK COMPANY LLC	3,153,009	SHAO, XI	3,152,734
RODRIGUEZ, ANDRES	3,152,767	SCHLENKER, BRANDON	3,152,657	SHAO, YAN	3,152,848
ROGGEN, DANIEL	3,153,091	SCHLUMBERGER CANADA LIMITED	3,152,801	SHARMA, ASHISH	3,152,946
ROLLINK SMART PRODUCTS LTD	3,153,105	SCHLUMBERGER CANADA LIMITED	3,153,153	SHARP, LESLIE LYNNE	3,152,779
RONNERMARK, CARL JOHAN JOACHIM	3,152,640	SCHLUMBERGER CANADA LIMITED	3,153,250	SHAW, MAXWELL	3,148,544
RONSE, FREDERICK	3,153,226	SCHMIDHUBER, SEBASTIAN	3,153,216	SHCHEBLYAKOV, DMITRII VIKTOROVICH	3,152,658
ROOS, DAVID ALAN	3,148,517				
ROSENKILDE, METTE MARIE	3,148,527				
ROTH, BRYAN L.	3,153,006				

Index of PCT Applications Entering the National Phase

SHCHEBLIAKOV, DMITRII		SMALL, WILLIAM	3,152,530	STRIDH, LARS-ERIK JORGEN	3,152,640
VIKTOROVICH	3,152,662	SMIRNOV, ARTEM N.	3,148,541	STRONG, SHADRIAN	3,148,187
SHCHERBININ, DMITRII		SMITH, CHARLES	3,148,290	STRYKER EUROPEAN	
NIKOLAEVICH	3,152,658	SMITH, CHRISTOPHER		OPERATIONS LIMITED	3,153,240
SHCHERBININ, DMITRII		WAYNE	3,152,785	STUBBS, DAVID	3,149,901
NIKOLAEVICH	3,152,662	SMITH, CONOR SYLVESTER	3,152,532	STUDER, LORENZ	3,152,522
SHEBLEY, MOHAMAD	3,152,734	SMITH, MATTHEW J.	3,153,221	SU, HOUBO	3,148,183
SHELTON, ANNE PERNILLE		SNIDER, CHRIS R.	3,153,009	SU, JAMES	3,152,762
TOFTENG	3,148,536	SOCIETE DES PRODUITS		SUBRAMANIAN, RAMESH	3,152,530
SHENZHEN CHIPSCREEN		NESTLE S.A.	3,152,763	SUBRAMONIAN, DIVYA	3,152,537
BIOSCIENCES CO., LTD.	3,152,760	SOCIETE DES PRODUITS		SUGIYAMA, MASAKI	3,148,374
SHENZHEN SALUBRIS		NESTLE S.A.	3,153,046	SUHRING, KARSTEN	3,153,225
PHARMACEUTICALS CO.		SOCIETE DES PRODUITS		SUMITOMO DAINIPPON	
LTD.	3,152,667	NESTLE S.A.	3,153,077	PHARMA CO., LTD.	3,152,504
SHENZHEN SHOKZ CO., LTD.	3,153,093	SOLIDEUM INC.	3,148,509	SUN, HAITAO	3,152,833
SHERMAN, JEFFREY	3,152,740	SOLODOVNIKOVA, NATALIA		SUN, KANG	3,153,076
SHERMAN, MICHAEL J.	3,152,530	Y.	3,148,481	SUN, QIAN	3,152,829
SHI, XIAOJIE	3,152,959	SOLVAY SA	3,148,513	SUN, QIAN	3,152,833
SHI, YAQIU	3,152,833	SON, DO HYUN	3,148,490	SUN, QIAN	3,152,835
SHIAH, LEI	3,148,488	SONAWALLA, AZIM	3,152,810	SUN, QIAN	3,152,844
SHIMAMURA, KODAI	3,148,503	SONG, DAEHAE	3,153,069	SUN, TUNG-CHIH	3,152,537
SHLAIMOUN, NICO	3,153,033	SONG, HO YOUNG	3,153,069	SUNG, BYUNGJE	3,153,069
SHLAIMOUN, ZIA	3,153,033	SONG, YIFAN	3,152,957	SUNKARI, SATISH	3,152,770
SHOICHET, BRIAN K.	3,153,006	SONG, ZHEN	3,152,730	SUNTORY HOLDINGS	
SHULMAN, TAYLOR	3,153,243	SOPHIA HOLDINGS, S.A. DE		LIMITED	3,152,989
SHULMAN, TAYLOR	3,153,244	C.V.	3,152,637	SURMAN, MATTHEW DAVID	3,152,508
SHULMAN, TAYLOR	3,153,248	SORENSEN, MICHAEL	3,152,549	SURMAN, MATTHEW DAVID	3,152,512
SHUMAKER, LAURA		SOSA TESTE, ILIANA MARIA	3,150,952	SUZHOU ALPHAMAB CO.,	
CHARLOTTE	3,148,463	SOTTY, ALEXANDRE	3,152,494	LTD.	3,152,860
SHUMWAY, WILLIAM		SPA ELECTRICS PTY LTD	3,148,290	SUZUKI, MAKOTO	3,152,935
WALTER	3,152,813	SPAK, DAVID R.	3,153,003	SWANSON, LUKAS	3,152,544
SIEMENS HEALTHCARE		SPARKCHARGE, INC.	3,152,997	SWISS, GERALD F.	3,152,520
DIAGNOSTICS INC.	3,152,784	SPARKCHARGE, INC.	3,153,000	SYED, RIYAZ	3,152,770
SIEMENS INDUSTRY, INC.	3,152,730	SPARKCHARGE, INC.	3,153,001	SYMPHOGEN A/S	3,153,213
SIEMENS INDUSTRY, INC.	3,152,733	SPAZZOLPLASTICA S.R.L.	3,148,526	SYNKLINO APS	3,148,527
SILVA, LESLIE P.	3,153,243	SPECTRUM		SYNTHES GMBH	3,153,221
SILVA, LESLIE P.	3,153,244	PHARMACEUTICALS,		SZEWCZAK, ALEXANDER	3,153,010
SILVA, LESLIE P.	3,153,248	INC.	3,148,413	SZILLAT, FLORIAN	3,153,111
SILVANO, ALFREDO	3,148,159	SPINACCE, EMANUELA	3,152,684	SZTENDEROWICZ, MARK	3,152,975
SIMI, ALESSANDRO	3,153,241	SPODSBERG, NIKOLAJ	3,152,952	SÆTHER, MORTEN	3,152,502
SIMMONS, MATTHEW LYNN	3,148,346	SQUARE POWER LTD	3,152,818	TAASTAVA KIRURGIA	
SIMOES, NIVEA	3,152,660	SQUARE POWER LTD	3,152,950	KLIINIK AS	3,152,963
SIMON, KEVIN P.	3,152,956	SQUARE POWER LTD	3,152,961	TABEBORDBAR,	
SIMPLY AUT LTD.	3,152,955	SRIRAMAN, SHRAVAN		MOHAMMADSHARIF	3,148,356
SINGLETARY, GEORGE	3,152,771	KUMAR	3,152,528	TABIC, ARNON	3,153,246
SINILA, SIARHEI	3,153,011	STAKER, BRYAN	3,153,127	TACHIKAWA, KIYOSHI	3,152,529
SIRONA DENTAL SYSTEMS		STANFORD, FREDERICK		TAE TECHNOLOGIES, INC.	3,148,541
GMBH	3,152,967	MCLAE	3,153,117	TAGGERT, BETHANY ISABEL	3,153,166
SIRONA DENTAL SYSTEMS		STANFORD, MARIANNE	3,153,179	TAKAHARA, KOSUKE	3,148,374
GMBH	3,152,971	STANGELAND, JONE	3,152,502	TAKAHASHI, KAZUMA	3,152,505
SIRONA DENTAL SYSTEMS		STANGELAND, JONE	3,152,817	TAKAHASHI, KENSUKE	3,148,374
GMBH	3,152,972	STANKUS, JOHN JOSEPH	3,152,762	TAKAHASHI, SHINICHI	3,148,374
SIRONA DENTAL SYSTEMS		STAPNES, STEINAR	3,148,364	TAKATA, YOSHIHARU	3,148,319
GMBH	3,152,974	STEEN RESEARCH, LLC	3,153,019	TAKAYA, HIROKI	3,153,237
SIVARAMAN, VIJAY	3,153,038	STEENHOUT, PHILIPPE	3,153,077	TAL, NATALY	3,152,940
SJODAHL, CLAES GUNNAR		STEFANI, ANTHONY	3,152,771	TALTON, BROOKS MIMS, III	3,152,889
STEFAN	3,152,640	STEIN, REED M.	3,153,006	TAMAKI, TERUYUKI	3,152,995
SKEGRO, DARKO	3,152,499	STEINBERG, SHIMON	3,153,246	TAN, HUIYUAN	3,148,412
SKEGRO, DARKO	3,152,500	STEINMAN, CHRISTOPHER P.	3,153,134	TANAKA, ISAO	3,152,975
SKEGRO, DARKO	3,152,990	STEMPLANT LLC	3,153,022	TANAKA, ISAO	3,153,002
SKELTON, SHELBY A.	3,152,975	STERN, ERIC	3,152,541	TANDECKI, MICHAEL	3,148,191
SKOVIRA, RONALD	3,152,530	STEVENS, ADAM	3,152,679	TANG, LAN	3,152,952
SKUPIN, ROBERT	3,153,225	STEWART, DAVID	3,152,955	TANG, YANBING	3,152,669
SLOCUM, ALEXANDER H.	3,152,956	STOJDL, DAVID	3,152,796	TANGE, YUSUKE	3,152,935

Index des demandes PCT entrant en phase nationale

TANGLE TEEZER LIMITED	3,153,220	TIAN, BIN	3,148,183	UNIVERSITY OF MIAMI	3,152,999
TANIS, STEVEN	3,152,529	TIAN, YISHENG	3,152,649	UNIVERSITY OF MONTANA	3,148,428
TANIYASU, SACHI	3,148,503	TIPTON, THOMAS WAYNE	3,153,043	UOP LLC	3,148,427
TARANATH, ROOPA	3,152,789	TIRUVAYAPADI,		UPTON, NICHOLAS	3,153,009
TAYLOR, RUSSELL JOHN	3,153,048	MOHANKUMAR R.	3,153,030	URRUTIA, ALEJANDRA	
TCO SPOLKA Z		TISSANDIER, GABRIEL	3,153,232	BEATRICE URPI	3,152,528
OGRANICZONA		TIWARI, AMRESH KUMAR	3,148,427	UYTDEWILLIGEN,	
ODPOWIEDZIALNOSCIA	3,152,493	TIWARI, RAKESH	3,152,984	FREDERIKUS	
TECHNO-UMG CO., LTD.	3,148,520	TOHOKU UNIVERSITY	3,153,237	HENDRIKUS GERARDUS	3,148,375
TEGA THERAPEUTICS, INC.	3,152,781	TOKARSKAYA, ELIZAVETA		VACCINEX, INC.	3,152,371
TELLUS YOU CARE, INC.	3,148,412	ALEXANDROVNA	3,152,658	VAHEDI, HANI	3,152,365
TELLUS YOU CARE, INC.	3,148,414	TOKARSKAYA, ELIZAVETA		VALINGE INNOVATION AB	3,152,823
TEMPLE, BJORN	3,153,019	ALEXANDROVNA	3,152,662	VALINGE INNOVATION AB	3,153,112
TEMPLE, STEPHEN R.	3,153,019	TOLRON, XAVIER	3,152,766	VALLIEU, KRISTEN, JEAN	3,152,763
TENCALIEC, PATRICIA	3,152,766	TONIX PHARMA LIMITED	3,152,665	VALLOUREC OIL AND GAS	
TENEN, DANIEL G.	3,152,770	TOREX GOLD RESOURCES		FRANCE	3,152,639
THACKER, BRYAN	3,152,781	INC.	3,153,117	VALMONT INDUSTRIES, INC.	3,152,526
THANGARAJ, BALAKUMAR	3,152,946	TORRES, ROBERT JAMES	3,148,517	VALVERDE, FEDERICO	3,152,771
THATCHER, TRACY A.	3,152,526	TORRES-DOMINGUEZ, LINO	3,152,779	VAN BUTSELE, KATHY	3,148,360
THE BRIGHAM AND		TORREY, HEATHER	3,153,179	VANASSE, K GARY J	3,152,840
WOMEN'S HOSPITAL, INC	3,152,770	TORRIE, DARREN	3,148,463	VANSLAMBROUCK, JESSICA	3,148,202
THE BRIGHAM AND		TOYOTA BOSHOKU		VARKEY, JOSEPH	3,153,250
WOMEN'S HOSPITAL,		KABUSHIKI KAISHA	3,148,374	VASANI, AMEYA	3,152,775
INC.	3,152,767	TRAFFIX DEVICES, INC.	3,153,150	VASAR, OLAVI	3,152,963
THE BROAD INSTITUTE, INC.	3,148,356	TRAINOR, JOHN J.	3,153,048	VASAR, TRIIN	3,152,963
THE CATHOLIC UNIVERSITY		TRECKER, ELIZABETH ANN	3,152,771	VASILYEV, DMITRY	3,152,775
OF AMERICA	3,148,369	TROCHANOWSKA, HALINA	3,153,085	VDYNE, INC.	3,152,632
THE DUN & BRADSTREET		TROJER, MATHIAS	3,151,919	VEGLIANTE, PAUL	3,152,777
CORPORATION	3,153,028	TSD LIFE SCIENCES CO., LTD.	3,148,490	VEHKOMAEMI, MAIJA-LEENA	3,152,819
THE HUMAN TOUCH		TSUKANOV, SERGEY		VEKSELMAN, VLADISLAV	3,148,541
ROBOTICS OY	3,153,094	VLADIMIROVICH	3,148,347	VENI, GOPALKRISHNA	
THE INSTITUTE OF CANCER		TUKHVATULIN, AMIR		BALKRISHNA	3,153,146
RESEARCH: ROYAL		ILDAROVICH	3,152,658	VENTURANZA, MAY GRACE	
CANCER HOSPITAL	3,152,805	TUKHVATULIN, AMIR		E.	3,153,076
THE PAPER PEOPLE LLC	3,152,765	ILDAROVICH	3,152,662	VENTUS ENGINEERING	
THE REGENTS OF THE		TUKHVATULINA, NATALIA		GMBH	3,152,766
UNIVERSITY OF		MIKHAILOVNA	3,152,658	VIB VZW	3,153,063
CALIFORNIA	3,152,793	TUKHVATULINA, NATALIA		VICTAULIC COMPANY	3,148,340
THE REGENTS OF THE		MIKHAILOVNA	3,152,662	VIDLUND, ROBERT	3,152,632
UNIVERSITY OF		TURNSTONE BIOLOGICS		VIDUYA, JUDY, VICTORIA	
CALIFORNIA	3,153,006	CORP.	3,152,796	ANTONIO	3,152,763
THE REGENTS OF THE		TURPCU, ADAM	3,148,376	VIEILLE, VICTOR	3,148,349
UNIVERSITY OF		TURZER, MICHAEL	3,152,974	VIEIRA, FERNANDO G.	3,152,807
COLORADO A BODY		TUSAS- TURK HAVACILIK VE		VIEW, INC.	3,148,497
CORPORATE	3,153,071	UZAY SANAYII ANONIM		VIGANT, FREDERIC	3,152,780
THE RESEARCH		SIRKETI	3,153,027	VILLA, NANCY	3,152,779
FOUNDATION FOR THE		TUSAS- TURK HAVACILIK VE		VILLANI, MARCO	3,152,499
STATE UNIVERSITY OF		UZAY SANAYII ANONIM		VILLANI, MARCO	3,152,500
NEW YORK	3,153,006	SIRKETI	3,153,212	VILLANI, MARCO	3,152,990
THE TRUSTEES OF INDIANA		TUTEK, MUSTAFA SERDAR	3,153,034	VINEY, JOANNE L.	3,148,329
UNIVERSITY	3,153,079	TYAGI, RISHABH	3,153,258	VINSAN THERAPEUTICS INC.	3,153,176
THE TRUSTEES OF		UBERSAX, JEFF	3,152,803	VIR BIOTECHNOLOGY, INC.	3,152,511
PRINCETON UNIVERSITY	3,152,679	UECKER, JAMES LEE	3,152,515	WISE, SAMUEL ARTHUR	3,147,166
THE UNIVERSITY OF BRITISH		UEMURA, MASAHIDE	3,152,989	VITRUVIAN INVESTMENTS	
COLUMBIA	3,153,167	UMANA, PABLO	3,153,085	PTY LTD	3,153,042
THE UNIVERSITY OF		UNADKAT, VISHAL		VIVO MOBILE	
MELBOURNE	3,153,166	BHARATBHAI	3,152,497	COMMUNICATION CO.,	
THE UNIVERSITY OF NORTH		UNEFI INC.	3,147,166	LTD.	3,153,084
CAROLINA AT CHAPEL		UNIVERSITAT INNSBRUCK	3,153,230	VLASENKO, ELENA	3,152,952
HILL	3,153,006	UNIVERSITAT POMPEU		VO, ASHLEY	3,148,495
THE UNIVERSITY OF SUSSEX	3,153,091	FABRA	3,153,200	VOLGIN, MAXIM	3,153,131
THE WILKINSON GROUP LLC	3,153,155	UNIVERSITE GRENOBLE		VOSKIAN, SAHAG	3,152,518
THEUNIS, BERNARD	3,153,134	ALPES	3,148,349	VOSKIAN, SAHAG	3,152,778
THORNTON, ANDREW	3,153,219	UNIVERSITY OF DUNDEE	3,148,317		

Index of PCT Applications Entering the National Phase

VOZENIN, MARIE- CATHERINE SOPHINE	3,148,364	WITTKOPP, FELIX	3,148,467	YOO, JISEON	3,153,069
VU LE, KIM ANH	3,152,770	WOJTKOWICZ, JOHN JOSEPH	3,149,901	YOON, BYOUNG HOON	3,153,110
VU, VAN VAN	3,152,993	WOLFE, CHRISTOPHER D.	3,152,724	YOON, JU NO	3,152,943
WAGTMANN, NICOLAI	3,152,776	WONG, JEFF	3,152,803	YORAN, NADAV	3,152,940
WALDHAUER, INJA	3,153,085	WONG, JINNY	3,152,657	YOSHII, TAKAAKI	3,152,989
WANG, BING	3,152,936	WOODBINE, JOHN JESSE	3,152,998	YOU, JI-NA	3,153,069
WANG, CHUANDUI	3,152,858	WOODLAND, ANDREW	3,148,317	YOUSSEF, SAWSAN	3,148,329
WANG, FUPING	3,152,835	WOODS, PATRICK	3,152,790	YU, DAVID	3,148,488
WANG, GUANGBANG	3,152,829	WROCLAWSKA, MONIKA	3,152,840	YU, DAWEI	3,152,936
WANG, HUA	3,153,214	WRONA, MATTHEW	3,148,483	YU, DIHU	3,148,367
WANG, JINGYI	3,148,509	WU, JENNIFER D.	3,148,318	YU, JING	3,152,503
WANG, JUN	3,152,829	WU, JIANLI	3,152,667	YU, YEN-YUN	3,153,146
WANG, KAI	3,152,844	WU, JUNJUN	3,152,667	YUDS, DAVID	3,153,012
WANG, MENG	3,152,669	WU, LIANG	3,152,858	ZABASAJJA, EDWARD	3,152,797
WANG, PINGYAN	3,152,936	WUENSCH, WALTER	3,148,364	ZANETTI, PAOLO	3,148,526
WANG, QINPENG	3,152,730	XIA, FENG	3,148,488	ZELL, WERNER	3,152,808
WANG, QUAN	3,148,367	XIAO, XIAO	3,152,848	ZELL, WERNER	3,153,107
WANG, SHIGANG	3,152,760	XIAO, YING	3,152,667	ZERLING, WOLFGANG	3,152,941
WANG, XIAOPENG	3,152,837	XIAO, YIXI	3,152,948	ZHAI, XIAOQING	3,152,835
WANG, XIAOXIAO	3,152,860	XIAO, YIXI	3,152,979	ZHANG, CHENG	3,152,837
WANG, ZHILEI	3,153,106	XIE, SHIYI	3,153,203	ZHANG, CHUN	3,148,464
WARD, RYAN MATTHEW	3,152,794	XIE, SHIYI	3,153,214	ZHANG, LEI	3,153,093
WARREN, RYAN C.	3,152,800	XING, WEI	3,152,667	ZHANG, MING	3,148,359
WATSON, AIDA K. N.	3,153,009	XIONG, LU	3,153,192	ZHANG, MING	3,148,362
WATT FUEL CELL CORP.	3,148,487	XU, BRUNO	3,148,488	ZHANG, PANPAN	3,152,844
WEAVER, BRIAN KEITH	3,152,530	XU, HUI	3,152,952	ZHANG, XIAOFENG	3,148,310
WEAVER, BRUCE	3,152,838	XU, PENG	3,153,106	ZHANG, YI	3,152,829
WEBER, TOBIAS	3,153,218	XU, TING	3,152,860	ZHANG, YU	3,152,760
WEI, AIYING	3,148,183	XU, YAN	3,148,436	ZHANG, ZHIQIANG	3,152,669
WEI, RONNIE	3,152,776	XU, YUNHAI	3,153,192	ZHAO, BAHONG	3,148,273
WEISS, ASSAF	3,153,131	YAMANAKA, MASAO	3,152,939	ZHAO, CHUANTONG	3,152,760
WEISS, DANIEL	3,152,967	YAMASHITA, NOBUYOSHI	3,148,503	ZHAO, CHUNGUANG	3,148,183
WEISS, DANIEL	3,152,971	YAN, WINSTON X.	3,152,788	ZHAO, SHENBIN	3,148,488
WELZENBACH, KARL	3,152,499	YAN, WINSTON X.	3,153,005	ZHAO, YUNCHENG	3,152,936
WELZENBACH, KARL	3,152,500	YANG, CHEN	3,148,543	ZHENG, QIANGANG	3,152,674
WELZENBACH, KARL	3,152,990	YANG, CHENGYING	3,152,833	ZHENG, YAN	3,152,948
WEN, YEWEL	3,152,854	YANG, DAIHONG	3,148,436	ZHENG, YAN	3,152,979
WESTROCK SHARED SERVICES, LLC	3,148,462	YANG, GUANG	3,152,959	ZHENG, YUBIN	3,153,203
WHEAR, BENOIT	3,153,017	YANG, JOSHUA Y.	3,152,793	ZHENG, YUBIN	3,153,214
WHITE, TIMOTHY DONALD	3,148,347	YANG, LIPENG	3,148,183	ZHILTSOV, NIKITA	3,153,028
WHITEFIELD, DAVID	3,148,517	YANG, QING	3,153,071	ZHONG, YI	3,153,192
WHITELEY CORPORATION PTY LTD	3,152,802	YANG, SHENG	3,152,835	ZHOU, DELIANG	3,152,734
WHITELEY, GREGORY	3,152,802	YANG, XIN	3,152,669	ZHOU, MU	3,148,543
WHITNEY, RICHARD	3,152,997	YANG, YOUNG-JAE	3,153,069	ZHOU, QUANFA	3,153,106
WHITNEY, RICHARD	3,153,000	YANG, YUQING	3,152,669	ZHOU, XIAOQUN	3,148,183
WHITNEY, RICHARD	3,153,001	YAO, JIAQI	3,152,674	ZHOU, XUYANG	3,153,067
WIATER, J. MICHAEL	3,153,221	YAO, LIFEI	3,152,858	ZHOU, ZHIGANG	3,148,436
WIEGAND, THOMAS	3,153,225	YAP COMPANY INC.	3,152,943	ZHU, JINGEN	3,148,369
WIJNBERG, WILLEM	3,153,250	YASUZAWA, TORU	3,153,004	ZHUANG, QIUCHUAN	3,152,936
WILKINSON, DENVER ALLAN	3,153,155	YE, GUANHUA	3,152,775	ZITNY, BORIS	3,153,116
WILKINSON, ERIC JAMES	3,153,155	YE, GUOHUA	3,152,837	ZIZMINSKAS, EDVINAS	3,153,127
WILKINSON, RANDALL EUGENE	3,153,155	YE, GUOHUA	3,152,848	ZOGENIX INTERNATIONAL LIMITED	3,153,099
WILKINSON, RONALD JAY	3,153,155	YE, GUOHUA	3,152,854	ZOLKIEWSKI, MARK	3,152,635
WILLE, UTA	3,153,166	YE, SIMON	3,148,356	ZOOMLION INTELLIGENT ACCESS MACHINERY CO., LTD.	3,153,192
WILLIAMS, DEREK M.	3,153,016	YEN, LAISING	3,152,513	ZP SPV 3 K/S	3,148,536
WILLIAMS, PHELPS WATSON	3,153,238	YEOM, DONGHOON	3,153,069	ZU, HUI	3,152,734
WILLIAMS, SIMON-PETER	3,152,528	YEXT, INC.	3,148,544	ZUBKOVA, OLGA VADIMOVNA	3,152,658
WILLWACHER, JENS	3,153,115	YIM, DONG HYUN	3,152,942	ZUBKOVA, OLGA VADIMOVNA	3,152,662
WILSON, SEAN	3,148,202	YL, CHONG HUN	3,152,530	ZUMBRUNN, CORNELIA	3,148,365
WIREMAN PTY LIMITED	3,152,857	YLIKANGAS, ROGER	3,152,823		
		YLIKANGAS, ROGER	3,153,112		
		YOKOI, MAKOTO	3,148,503		
		YOKOTA, YASUYUKI	3,152,503		

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

AGBOGBO, FRANK	3,152,266	DAMON MOTORS INC.	3,152,133	GARCIA, ARTURO	3,152,131
AKEBIA THERAPEUTICS, INC.	3,151,685	DAMON MOTORS INC.	3,152,138	GARDNER, JOSEPH	3,151,685
ALBERT, TOBIAS	3,150,666	DAVIS, CHANCE	3,151,888	GIORGINI, ALBERT M.	3,151,709
ALEXANDER, JON	3,151,888	DAVIS, CHANCE	3,151,894	GIRAUD, DAMON JAY	3,152,133
ALEXANDER, JON	3,151,894	DAVIS, KIM E.	3,152,606	GIRAUD, DAMON JAY	3,152,138
ANIMAS CORPORATION	3,151,939	DEBIEN, LAURENT, PIERRE PAUL	3,151,595	GOSSELIN, JENNIFER	3,152,266
ARAVAMUDHAN, BHARATH	3,151,430	DECHELETTE, ALEXIS	3,132,712	GRACHEV, IGOR D.	3,151,507
ARAVAMUDHAN, BHARATH	3,151,722	DECURTINS, WILLY	3,151,947	GRECO, PAUL M.	3,151,575
ARCUS BIOSCIENCES, INC.	3,151,595	DELEAULT, KRISTEN M.	3,152,266	GREENEDEN U.S. HOLDINGS II, LLC	3,151,430
ARGYROS, AARON	3,152,266	DEN HAAN, RIAAN	3,152,266	GREENEDEN U.S. HOLDINGS II, LLC	3,151,722
ASKEW, BENNY C.	3,152,410	DERVAES, MARK	3,152,120	H.B. FULLER COMPANY	3,151,709
AUTONOMIX MEDICAL, INC.	3,151,885	DEXCOM, INC.	3,152,120	HALL, THOMAS	3,152,131
BAIRD, DAVID	3,152,227	DEXCOM, INC.	3,152,131	HALLER, WILLIAM R.	3,151,969
BAIRD, DAVID	3,152,234	DICERNA PHARMACEUTICALS, INC.	3,151,965	HALOZYME, INC.	3,152,081
BAIRD, DAVID	3,152,249	DOLBY INTERNATIONAL AB	3,152,262	HAMPAPURAM, HARI	3,152,120
BARDSLEY, JOHN S.	3,152,266	DOLBY LABORATORIES LICENSING CORPORATION	3,151,342	HAMPAPURAM, HARI	3,152,131
BARRETT, TRISHA	3,152,266	DOLINAR, DOUGLAS D.	3,151,969	HARRISON, BOYD, L.	3,152,410
BARTELSMEYER, ROBERT	3,151,888	DOUGHERTY, BRIAN C.	3,151,554	HARTMAN, CHARLOTTE	3,151,685
BARTELSMEYER, ROBERT	3,151,894	DOWCO, INC.	3,151,888	HAU, HEIDI H.	3,152,266
BELCHER, ALAN	3,152,266	DOWCO, INC.	3,151,894	HAYDEN, GARY JAMES	3,153,317
BENNDORF, CONRAD	3,150,666	DOWCO, INC.	3,152,227	HAYDEN, MICHAEL	3,151,507
BERGHEIM, BJARNE	3,132,712	DOWCO, INC.	3,152,234	HOLZ-SCHIETINGER, CELESTE	3,152,571
BERVEN, SHAWN	3,151,939	DOWCO, INC.	3,152,249	IMPOSSIBLE FOODS INC.	3,152,571
BEWLEY, ERIC L.	3,151,401	DRIEHUYS, BASTIAAN	3,152,286	JAEN, JUAN, CARLOS	3,151,595
BHAVARAJU, NARESH C.	3,152,131	DUCLOS, GREGORY	3,151,430	JANUSZ, JOHN	3,151,685
BLOMBERG, JOSEPH E.	3,151,401	DUCLOS, GREGORY	3,151,722	JASKELA, MARIA C.	3,152,606
BOROWSKY, BETH	3,151,507	DUKE UNIVERSITY EAGLE VIEW TECHNOLOGIES, INC.	3,151,541	JFE STEEL CORPORATION	3,151,502
BREVENOVA, ELENA	3,152,266	EDDISON, ALAN MARTYN	3,151,750	KALISIAC, JAROSLAW	3,151,595
BROWN, BOB	3,151,965	EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH	3,151,947	KAMATH, APURV ULLAS	3,152,131
BROWN, CHARLES D.	3,152,700	EISEN, MICHAEL	3,152,571	KARR, JESSICA	3,152,571
BROWN, PATRICK O'REILLY	3,152,571	EKSTRAND, PER	3,152,262	KAVYA, M.	3,151,810
BUCH, AKSHAY	3,151,685	ESCO GROUP LLC	3,151,401	KAZALBASH, MURRAD	3,152,131
BURNETTE, DOUGLAS WILLIAM	3,152,120	EYAL, ELI	3,151,507	KELLY, KEVIN	3,151,665
BYRD, MICHAEL	3,151,888	FINLEY, TAYLOR M.	3,151,401	KHAKPOUR, MEHRZAD	3,132,712
BYRD, MICHAEL	3,151,894	FORSELL, PETER	3,151,736	KJOERLING, KRISTOFER	3,152,262
CAIAZZA, NICKY	3,152,266	FOSTER, ABIGAIL S.	3,152,266	KLUG, MICHAEL A.	3,151,575
CALANDRO, SARAH	3,151,665	FOTOPOULOU, ELENI	3,150,666	KOBAYASHI, AKIO	3,151,502
CAPITAL ONE FINANCIAL CORPORATION	3,151,665	FRASER, RACHEL	3,152,571	KOEPEL, ADAM R.	3,151,665
CAREFUSION 303, INC.	3,152,606	FRAUNHOFER- GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	3,150,666	KONIG, YOCHAI	3,151,430
CARPENTER, CHRISTOPHER M.	3,151,401	FROELICH, ALLAN C.	3,152,266	KONIG, YOCHAI	3,151,722
CARPENTER, RYAN J.	3,151,401	G9 HOLDINGS, LLC	3,152,856	KRALL, NIKOLAUS	3,151,947
CHEN, JENNIFER	3,132,712	GANDHI, CHHAYAL V.	3,152,266	KWONG, DOMINIQUE	3,152,133
CHIBA, MIHO	3,151,502			KWONG, DOMINIQUE	3,152,138
CHIU, YIN-YING	3,152,266			LALLEMAND HUNGARY LIQUIDITY MANAGEMENT LLC	3,152,266
CHIARKE, ROD	3,151,401			LAWSON, KENNETH V.	3,151,595
CLICS, LLC	3,152,700			LELETI, MANMOHAN REDDY	3,151,595
COFER, GARY PRICE	3,152,286			LEON, CHRISTOPHER	3,151,679
COHEN, ERIC	3,152,120			LEUNG, RAYMOND C.L.	3,152,133
CONRAD, RACHEL P.	3,151,977			LEUNG, RAYMOND C.L.	3,152,138
COURTNEY, BRIAN MICHAEL	3,151,813			LIMNTECH LLC	3,151,969
COWGILL, NOAH	3,151,401				
D'ALESSANDRO, STUART	3,152,700				

**Index of Canadian Divisional and Previously Unavailable
Applications Open to Public Inspection**

LINDSEY, ERICK, ALLEN	3,151,595	ROBICHAUD, ALBERT, J.	3,152,410
LUTRON ELECTRONICS CO., INC.	3,151,813	ROBINSON, CHARLES Q.	3,151,342
LUTZKY, MANFRED	3,150,666	ROSEN, BRANDON REID	3,151,595
MACEDO, JEFFREY F.	3,152,700	SAGE THERAPEUTICS, INC.	3,152,410
MACEDO, LEILANI M.	3,152,700	SALITURO, FRANCESCO, G.	3,152,410
MAGIC LEAP, INC.	3,151,575	SAVOLA, JUHA-MATTI	3,151,507
MAHALINGHAM, AARTHI	3,152,131	SAYER, KEVIN	3,152,131
MAHNKE, JOSHUA	3,152,856	SCHARPF, JURGEN W.	3,151,342
MAKAGON, PETR	3,151,430	SCHEUERMANN, JORG	3,151,947
MAKAGON, PETR	3,151,722	SCHLAGE LOCK COMPANY LLC	3,151,810
MANDAPAKA, ADITYA	3,152,120	SCHMIDT, KONSTANTIN	3,150,666
MANEVAL, DANIEL C.	3,152,081	SCHNELL, MARKUS	3,150,666
MARK, JOSEPH L.	3,151,554	SCHOWENGERDT, BRIAN T.	3,151,575
MAYOU, PHIL	3,152,131	SCHULZ, EARL	3,151,679
MCBRIDE, JOHN E.	3,152,266	SCHWARTZ, ROBERT	3,151,885
MCDONALD, MATTHEW PHILLIP	3,151,813	SEALSTRIP CORPORATION	3,151,977
MCGANN, CONOR	3,151,430	SEIDL, TIMON	3,150,666
MCGANN, CONOR	3,151,722	SHALWITZ, ISAIAH	3,151,685
MEDICALTREE PATENT LTD.	3,151,736	SHALWITZ, ROBERT	3,151,685
MELLON, MARK	3,152,266	SHARIF, EHESAN UL	3,151,595
MENSINGER, MICHAEL	3,152,120	SHEPARD, H. MICHAEL	3,152,081
MENSINGER, MICHAEL	3,152,131	SHIKHARE, INDRANEEL	3,152,266
MILES, DILLON HARDING	3,151,595	SKINNER, RYAN	3,152,266
MITTAL, MILI	3,151,665	SOLOMATIN, SERGEY	3,152,571
MORALES, CARLOS OMAR	3,151,939	SONENDO, INC.	3,132,712
MUNZ, CHRISTOPHER	3,152,700	STELLENBOSCH UNIVERSITY	3,152,266
NAKASEKO, MAKOTO	3,151,502	STITH, CALEB	3,152,227
NATIONAL OILWELL VARCO, L.P.	3,151,750	STITH, CALEB	3,152,234
NERI, DARIO	3,151,947	STITH, CALEB	3,152,249
NEWCOMB, ERIC	3,151,595	STONEHOUSE, EMILY	3,152,266
NICO CORPORATION	3,151,554	TAKASHITA, TAKUYA	3,151,502
NIDERBERG, ALEX LEO	3,151,665	TEKOLSTE, ROBERT D.	3,151,575
NJAR, VINCENT C.O.	3,151,555	THOMPSON, CURTIS B.	3,152,081
OCEANEERING INTERNATIONAL, INC.	3,151,679	TOMASEK, ADRIAN	3,150,666
PAPAPETROPOULOS, SPYRIDON	3,151,507	TOTH, LANDY	3,151,885
PASCUAL, FRANCIS	3,152,120	TOWNSEND, ROBERT	3,151,810
PELEMIS, DAMJAN	3,151,430	TRIPATHI, SHITAL A.	3,152,266
PELEMIS, DAMJAN	3,151,722	TROMPEN, MICK	3,151,554
PERSHING, CHRIS	3,151,541	TSINGOS, NICOLAS R.	3,151,342
PEYSER, THOMAS A.	3,152,131	TURFBOER, JONATHAN R.	3,151,665
PLOETNER, JEFFREY S.	3,152,700	UNIVERSITY OF MARYLAND, BALTIMORE	3,151,555
POWERS, JAY PATRICK	3,151,595	UPASANI, RAVINDRA, B.	3,152,410
PRICE, DAVID	3,152,131	URATA, AKIRI	3,151,502
PRILENIA NEUROTHERAPEUTICS LTD.	3,151,507	UTECH, THOMAS	3,152,606
PRILL, JONATHAN RYAN	3,151,750	VALDES, JORGE	3,152,120
PRIMM, BENJAMIN	3,151,679	VALDES, JORGE	3,152,131
PURANIK, PURUSHOTTAMACHAR	3,151,555	VARADAN, RANJANI	3,152,571
PURNHAGEN, HEIKO	3,152,262	VILLEMOES, LARS	3,152,262
RAJGARHIA, VINEET B.	3,152,266	VRLJIC, MARIJA	3,152,571
RAMAKRISHNA, MANJUNATHA	3,151,810	WARNER, ANNE K.	3,152,266
RICE, CHARLES F.	3,152,266	WEDEKIND, JEFFREY R.	3,152,120
RISTOCK, HERBERT WILLI ARTUR	3,151,430	WENGER, KEVIN S.	3,152,266
RISTOCK, HERBERT WILLI ARTUR	3,151,722	WHITE PUMA PTY LIMITED	3,153,317
		WICHERT, MORENO	3,151,947
		WISWALL, ERIN	3,152,266
		XU, HAOWEN	3,152,266
		YAMAMOTO, NAOKI	3,151,502
		ZHAKOV, VYACHESLAV	3,151,430
		ZHAKOV, VYACHESLAV	3,151,722