



Canadian
Intellectual Property
Office

An Agency of
Industry Canada

Office de la propriété
intellectuelle
du Canada

Un organisme
d'Industrie Canada

ISSN-1712-4034

The Patent

Office Record

La Gazette

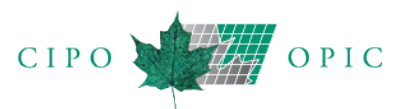
du Bureau des brevets



Vol. 147 No. 9 February 26, 2019

Vol. 147 No. 9 le 26 février 2019

Canada



THE CANADIAN PATENT OFFICE RECORD

LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle
Commissioner of Patents

Johanne Bélisle
Commissaire aux brevets

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

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

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

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

Table of Contents

Table des matières

Notices	
Avis	1
Canadian Patents Issued	
Brevets canadiens délivrés	24
Canadian Applications Open to Public Inspection	
Demandes canadiennes mises à la disponibilité du public.....	130
PCT Applications Entering the National Phase	
Demandes PCT entrant en phase nationale	145
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	241
Index of Canadian Patents Issued	
Index des brevets canadiens délivrés	250
Index of Canadian Applications Open to Public Inspection	
Index des demandes canadiennes mises à la disponibilité du public	268
Index of PCT Applications Entering the National Phase	
Index des demandes PCT entrant en phase nationale	271
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	288

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 February 19, 2019

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

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

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

9. Demandes mises à la disponibilité du public

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

10. Langue du document publié

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

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

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

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

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

Notices

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

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)) \$260

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

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:

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

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

12. 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.

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.

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).

14. Correspondence Procedures

June 20, 2017

1. [Physical Delivery of Correspondence to CIPO](#)
2. [Electronic Correspondence](#)
3. [Details concerning the electronic formats accepted](#)
4. [General Information](#)
5. [Statutory Holidays](#)
6. [Procedures in case of an unexpected Office closure at CIPO](#)
7. [Procedures when CIPO is open for business but clients are unable to communicate with the Office](#)
8. [Intellectual property acts, rules and regulations](#)

This notice will replace all previous notices regarding Correspondence Procedures.

Note: *This practice notice is intended to provide guidance on current Canadian Intellectual Property 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.*

1. Physical Delivery of Correspondence to CIPO

For the purposes of sections 5 and 54 of the Patent Rules, section 3 of the Trade-marks Regulations, section 2 of the Copyright Regulations, section 3 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography Regulations, the address of the Patent Office, the Office of the

(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.

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*.

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. Procédures de correspondance

le 20 juin, 2017

1. [Livraison en personne de correspondance à l'OPIIC.](#)
2. [Correspondance électronique](#)
3. [Précisions concernant les formats électroniques acceptés](#)
4. [Renseignements généraux](#)
5. [Jours fériés](#)
6. [Procédures en cas de fermeture des bureaux](#)
7. [Procédures à suivre lorsque les clients sont incapables de communiquer avec les bureaux de l'Office de la propriété intellectuelle du Canada durant les heures d'ouverture](#)
8. [Lois, règles et règlements sur la propriété intellectuelle](#)

Le présent avis remplacera tous les avis antérieurs relatifs aux procédures de correspondance.

Nota : *Le présent avis fournit une orientation concernant les pratiques et interprétations relatives aux lois pertinentes au sein de l'Office de la propriété intellectuelle du Canada. Toutefois, en cas d'incompatibilité entre cet avis et la législation applicable, c'est celle-ci qu'il faudra suivre.*

1. Livraison en personne de correspondance à l'OPIIC

Aux fins des articles 5 et 54 des Règles sur les brevets, de l'article 3 du Règlement sur les marques de commerce, de l'article 2 du Règlement sur le droit d'auteur, de l'article 3 du Règlement sur les dessins industriels et de l'article 3 du Règlement sur les topographies de circuits intégrés, l'adresse

Avis

Registrar of Trade-marks, the Copyright Office, the Industrial Design section of the Office of the Commissioner of Patents, 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

Correspondence delivered to the above address during ordinary business hours 8:30 a.m. to 4:30 p.m. (local time) will be considered to be received on the date of delivery.

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 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 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 following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered **in person**:

1. 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
2. Innovation, Science and Economic Development
Canada
Sun Life Building
1155 Metcalfe Street, Room 950
Montreal QC H3B 2V6

du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, de la Section des dessins industriels du Bureau du commissaire aux brevets, 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

La correspondance livrée à l'adresse ci-dessus lors des heures normales d'ouverture, soit de 8h30 à 16h30 (heure locale), sera considérée comme ayant été reçue la journée même de la livraison.

Veuillez prendre note qu'une fois que l'OPIC reçoit de la correspondance, il ne peut pas la retourner 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 ne satisfaisant pas aux 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 devrait toujours être présenté comme page couverture et devrait être le seul document soumis à l'OPIC contenant de l'information financière telle que les numéros de carte de crédit.

Téléchargez le [formulaire de paiements](#).

1.1 Établissements désignés

Aux fins des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 3(4) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, du paragraphe 3(4) du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les établissements ou bureaux désignés où peut être livrée **en personne** la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies sont les suivants :

1. Innovation, Sciences et Développement économique
Canada
Édifce 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
2. Innovation, Sciences et Développement économique
Canada
Édifce Sun Life
1155, rue Metcalfe, bureau 950
Montréal (Québec) H3B 2V6

Notices

Tel.: 514-496-1797
Toll-free: 1-888-237-3037

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

3. 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

4. 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

5. 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

Correspondence delivered, during ordinary business hours, to one of the designated establishments listed above, will be considered to be received on the date of delivery to that designated establishment, only if it is also a day on which CIPO is open for business. Correspondence delivered to a designated establishment on a day when CIPO is closed for business will be considered to be received on the next day on which CIPO is open for business. For example, correspondence delivered to the designated establishment in Toronto on June 24 will not be considered received on June 24 since CIPO is closed for business. The correspondence will be considered received on the next day CIPO is open for business.

Please note that documents delivered to the addresses listed above must be enclosed in a sealed envelope.

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

Tél. : 514-496-1797
Sans frais : 1-888-237-3037

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

3. 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

4. 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

5. 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

La correspondance livrée pendant les heures normales d'ouverture à l'un des établissements désignés susmentionnés sera réputée reçue à la date de livraison à cet établissement seulement si l'OPIC est ouvert au public à cette même date. Sinon, elle sera réputée avoir été reçue à la date du jour d'ouverture suivant de l'OPIC. Par exemple, la correspondance livrée à un établissement désigné à Toronto le 24 juin ne sera pas considérée comme ayant été reçue le 24 juin, puisque les bureaux de l'OPIC seront fermés. La correspondance sera considérée comme ayant été reçue lors de la prochaine journée ouvrable de l'OPIC.

Prendre note que les documents livrés aux adresses énumérées ci-dessus doivent être insérés dans une enveloppe scellée.

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

Aux fins des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 3(4) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, du paragraphe 3(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

Avis

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

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, subsection 3(6) of the Trade-marks Regulations, subsection 2(6) of the Copyright Regulations, subsection 3(6) 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 Trade-marks, the Copyright 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 3(9) of the Trade-marks Regulations specifies certain categories of correspondence to which the provisions of subsection 3(6) do not apply and which thus may not be sent by facsimile or online.

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

Correspondence delivered 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 open for business.

établissements ou des bureaux désignés auxquels 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 livrée.

L'OPIC considère que la correspondance livrée 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 émis par Postes Canada, ou si l'OPIC est fermé au public ce jour-là, le jour de la réouverture de l'OPIC.

2. Correspondance électronique

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, du paragraphe 3(6) du Règlement sur les marques de commerce, du paragraphe 2(6) du Règlement sur le droit d'auteur, du paragraphe 3(6) du Règlement sur les dessins industriels et du 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 ou au registraire des topographies peut être transmise par télécopieur ou encore en ligne ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent avis.

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 3(9) du Règlement sur les marques de commerce prévoit certaines catégories de correspondance auxquelles les dispositions du paragraphe 3(6) ne s'appliquent pas et qui, par conséquent, ne peuvent pas être envoyées par télécopieur ou en ligne.

La correspondance envoyée par télécopieur ou en ligne au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies tient lieu d'original. Par conséquent, une copie sur support papier ne devrait pas être expédiée.

La correspondance livrée et reçue par voie électronique, y compris par télécopieur, est réputée reçue à l'OPIC le jour même avant minuit, heure locale, lorsque l'OPIC est ouvert au public. Si elle est transmise un jour où l'OPIC est fermé au public, elle est réputée reçue à la date du jour d'ouverture suivant de l'OPIC.

Notices

2.1 Facsimile

Facsimile correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent to the following facsimile numbers:

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

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

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 a document by facsimile 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.

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](#)

2.1 Correspondance par télécopieur

La correspondance par télécopieur 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 aux numéros ci-dessous :

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

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 ou de bureaux désignés, sera réputée non reçue.

Le rapport de transmission électronique que vous recevrez après votre envoi 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'interface de télécopie par ordinateur ou de services de télécopie par le biais d'internet étant donné les problèmes techniques probables avec la réception.

Quand on transmet par télécopieur un document comprenant une demande d'acquiescement de frais, il faut clairement indiquer le mode de paiement préféré sur le formulaire de paiements en vue d'assurer un traitement rapide.

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

Aux fins du paragraphe 5(6) des Règles sur les brevets, la correspondance adressée au commissaire peut être envoyée par voie électronique, notamment par le biais des 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](#)

Avis

- [of patent agents; and](#)
- [ordering copies in paper, or electronic form of a document.](#)

- [des agents de brevets;](#)
- [commande de copies papier ou d'un document sous forme électronique.](#)

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 3(6) of the Trade-marks Regulations, the following correspondence addressed to the Registrar of Trade-marks may be sent electronically by 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;](#)
- [filing of a declaration of use;](#)
- [registration of a trademark application;](#)
- [statement of Opposition;](#) and
- [extensions of time in trademark opposition cases](#)

Copyright

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](#)

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

Aux fins du paragraphe 3(6) du Règlement sur les marques de commerce, la correspondance indiquée ci-dessous qui est adressée au registraire des marques de commerce peut être envoyés par voie électronique, notamment par les pages suivantes :

- [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,](#)
- [dépôt d'une déclaration d'emploi;](#)
- [l'enregistrement d'une marque de commerce](#)
- [dépôt d'une déclaration d'opposition;](#) et
- [demande de prolongation de délai dans une procédure d'opposition.](#)

Droits d'auteur

Aux fins 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. Pour ce faire, il faut accéder 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](#)

Notices

- [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](#).

- [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](#).

Industrial Designs

For the purpose of subsection 3(6) of the Industrial Design Regulations, the following correspondence addressed to the Commissioner of Patents 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](#).

Dessins industriels

Aux fins du paragraphe 3(6) du Règlement sur les dessins industriels, la correspondance indiquée ci-dessous qui est adressée au commissaire aux brevets peut être transmise par voie électronique. Pour ce faire, il faut accéder 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](#).

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](#).

Topographies de circuits intégrés

Aux fins 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. Pour ce faire, il faut accéder à la page suivante :

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

2.3 Electronic medium

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

2.3 Supports électroniques

Brevets

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

Avis

application itself or amendment(s) thereof.

contient des parties de la demande elle-même ou des modifications relatives à la demande.

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 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

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.

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 des brevets acceptera des disquettes 3,5 pouces, CD-ROM, CD-R, DVD, DVD-R et tout format spécifié à l'Annexe

Notices

the PCT Administration Instructions.

The electronic medium must also be free of worms, viruses or other malicious content. Files with malicious content will be deleted.

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 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 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.

F des Instructions administratives du PCT.

Le support électronique doit aussi être exempt de tout ver, virus ou autre contenu malveillant. Les fichiers ayant un contenu malveillant seront effacés.

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](#) de ces 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.

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.

Avis

ASCII

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

Industrial Design

For the purposes of subsection 3(6) of the Industrial Design Regulations, the acceptable file formats for documents submitted electronically using the relevant links set out in [section 2.2](#) of these correspondence procedures are: TIFF, JPEG, WPD and Doc. 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 one of the acceptable formats and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

When submitting images electronically, we strongly encourage clients to comply with the following specifications:

TIFF Format:

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

Photographs in JPEG Format:

- JPEG compression, Gray Scale 8 bit (256 Shades of Gray);
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 1/2" by 11";
- Resolution of 300 dpi

For all images submitted in different formats, the office may print and scan the images or convert them to recommended formats prior to loading them in the database. If the office converts files to an acceptable format this could result in a change in quality to the drawings.

ASCII

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

Dessins industriels

Aux fins des paragraphes 3(6) et 12(3) du Règlement sur les dessins industriels, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à [l'article 2.2](#) de ces procédures de correspondance sont : TIFF, JPEG, WPD et DOC. 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 présentés dans un des formats acceptables, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents déposés à l'origine.

Nous encourageons fortement les clients à respecter les spécifications suivantes lorsqu'ils déposent des images par voie électronique :

Format TIFF :

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- 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
- Résolution : 300 ppp

Photographies en format JPEG :

- Compression JPEG, échelle de gris de 8 bits (256 tons de gris)
- 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
- Résolution : 300 ppp

Pour toutes les images soumises dans différents formats, le bureau peut imprimer et balayer les images par scanner ou les convertir dans les formats recommandés avant leur chargement dans la base de données. Si le bureau convertit les fichiers dans un format acceptable, ceci pourrait résulter en un changement de la qualité des dessins.

Notices

4. General Information

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

5. Statutory Holidays

- [Time limits under the Patent, Trade-marks, Industrial Design, Copyright and Integrated Circuit Topography Acts](#)
- [Time limits under the Patent and Trade-marks Act](#)
- [Time limits under the Patent Cooperation Treaty](#)
- [Provincial and Territorial Holidays](#)
- [When Patent and Trademarks Offices are closed for business](#)

Time limits under the Patent, Trade-marks, Industrial Design, Copyright and Integrated Circuit Topography Acts

In accordance with section 26 of the Interpretation Act, any person choosing to deliver a document to a designated establishment (including CIPO's offices in Gatineau, Quebec; an Innovation, Science and Economic Development Canada regional office or 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, 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.

4. Renseignements généraux

On pourra obtenir des renseignements généraux en communiquant avec le [Centre de services à la clientèle de l'OPIC](#).

5. Jours fériés

- [Délais prévus dans les lois sur les brevets, les marques de commerce, les dessins industriels, le droit d'auteur et les topographies de circuits intégrés](#)
- [Délais prévus dans la Loi sur les brevets et dans la Loi sur les marques de commerce](#)
- [Délais prévus dans le Traité de coopération en matière de brevets](#)
- [Jours fériés provinciaux ou territoriaux](#)
- [Jours de fermeture au public des bureaux des brevets et des marques de commerce](#)

Délais prévus dans les lois sur les brevets, les marques de commerce, les dessins industriels, le droit d'auteur et les topographies de circuits intégrés

Selon l'article 26 de la Loi d'interprétation, lorsqu'une personne choisit de livrer un document à un établissement désigné (y compris les bureaux de l'OPIC à Gatineau, au Québec, un bureau régional d'Innovation, Sciences et Développement économique Canada ou le service Courrier recommandé 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 sur les établissements auxquels des documents sont 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.

Time limits under the Patent and Trade-marks Acts

In addition to the extensions of time limits referred to above, in accordance with subsection 78(1) of the Patent Act and subsection 66(1) of the Trade-marks Act, any patent or trademark time limit that expires on a day when the Patent and Trademarks Offices are closed for business is deemed to be extended to the next day when the offices are open for business. All persons are entitled to these extensions regardless of their place of residence or of the establishment to which documents are delivered.

No equivalent provisions exist under the Industrial Design Act, the Copyright Act or the Integrated Circuit Topography Act.

Time limits 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.

CIPO takes the position that section 26 of the Interpretation Act applies to PCT international applications filed in Canada. Accordingly, where a person has a time limit under the PCT for

Délais prévus dans la Loi sur les brevets et dans la Loi sur les marques de commerce

En plus des prorogations indiquées aux paragraphes précédents, les paragraphes 78(1) de la Loi sur les brevets et 66(1) de la Loi sur les marques de commerce stipulent que tout délai relatif aux brevets ou aux marques de commerce qui expire un jour où les bureaux des marques de commerce et des brevets sont fermés au public est réputé prorogé jusqu'au jour de réouverture de ces bureaux. Toute personne a droit à une telle prorogation quel que soit son lieu de résidence ou l'établissement auquel les documents sont livrés

Il n'existe pas de disposition équivalente dans la Loi sur les dessins industriels, la Loi sur le droit d'auteur ou dans la Loi sur les topographies de circuits intégrés.

Délais prévus dans le 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.

L'OPIIC estime que l'article 26 de la Loi d'interprétation s'applique aux demandes internationales du PCT déposées au Canada. Par conséquent, lorsqu'un délai prévu dans le cadre du

Notices

the filing of a document in Canada 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. CIPO, however, takes no position as to whether such extensions would be recognized by other countries, and it will be the responsibility of the person filing the document to ensure that in other countries of interest they are properly entitled to any needed extension of the time limit by reason of Rule 80.5 of the Regulations under the PCT or some other applicable law.

PCT pour le dépôt d'un document au Canada expire un jour férié provincial ou territorial, si le déposant livre le document en question le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement où une prorogation du délai est justifiée. Toutefois, il ne se prononce pas sur l'acceptation éventuelle de ces prorogations par d'autres pays; il incombera à la personne qui dépose le document de vérifier si elle a droit à une prorogation, dans d'autres pays qui l'intéressent, en vertu de la règle 80.5 du Règlement d'exécution du PCT ou d'une autre loi pertinente.

Provincial and Territorial Holidays

For the purposes of this practice notice, CIPO has identified the following as being days that are not federal holidays but that are holidays in one or more provinces or territories:

1. **Alberta:** Third Monday in February (Alberta Family Day)
2. **British Columbia:**
 - o First Monday in August (British Columbia Day)
 - o Second Monday in February (British Columbia Family Day)
3. **New Brunswick:** First Monday in August (New Brunswick Day)
4. **Newfoundland and Labrador:**
 - o March 17 (St. Patrick's Day)
 - o April 23 (St. George's Day)
 - o June 24 (Discovery Day)
 - o July 12 (Orangemen's Day)
 - o First Monday in August (Regatta Day)
5. **Nova Scotia:** First Monday in August (Civic Holiday)
6. **Ontario:**
 - o Third Monday in February (Ontario Family Day)
 - o First Monday in August (Civic Holiday)
7. **Prince Edward Island:** First Monday In August (Civic Holiday)
8. **Quebec:** June 24 (St. John the Baptist Day)
9. **Saskatchewan:** First Monday in August (Saskatchewan Day)
10. **Yukon:** Third Monday in August (Discovery Day)

When CIPO's Offices are closed for business

For the purposes of subsection 78(1) of the Patent Act and subsection 66(2) of the Trade-marks Act, CIPO's Offices are closed for business on the following days:

Jours fériés provinciaux ou territoriaux

Aux fins du présent avis, l'OPIC a indiqué que les jours ci-après, qui ne sont pas des jours fériés pour l'administration fédérale, sont des jours fériés dans au moins une province ou territoire :

1. **Alberta :** troisième lundi de février (Jour de la Famille de l'Alberta)
2. **Colombie-Britannique :**
 - o premier lundi d'août (Fête de la Colombie-Britannique)
 - o deuxième lundi de février (Jour de Famille de la Colombie –Britannique)
3. **Nouveau-Brunswick :** premier lundi d'août (Fête du Nouveau-Brunswick)
4. **Terre-Neuve et Labrador :**
 - o 17 mars (Fête de la Saint-Patrick)
 - o 23 avril (Fête de la Saint-Georges)
 - o 24 juin (Journée de la Découverte)
 - o 12 juillet (Jour des Orangistes)
 - o Premier lundi d'août (Journée de la Régate)
5. **Nouvelle-Écosse :** premier lundi d'août (congé statutaire)
6. **Ontario :**
 - o troisième lundi de février (Jour de la Famille de l'Ontario)
 - o premier lundi d'août (congé statutaire)
7. **L'Île-du-Prince-Édouard :** premier lundi d'août (congé civique)
8. **Québec :** 24 juin (Saint-Jean-Baptiste)
9. **Saskatchewan :** premier lundi d'août (Fête de la Saskatchewan)
10. **Yukon :** troisième lundi d'août (Journée de la Découverte)

Jours de fermeture des bureaux de l'OPIC au public

Pour l'application des paragraphes 78(1) de la Loi sur les brevets et 66(2) de la Loi sur les marques de commerce, les bureaux de l'OPIC sont fermés au public les jours suivants :

Avis

- All Saturdays and Sundays
- New Year's Day (January 1)*
- Good Friday
- Easter Monday
- Victoria Day: First Monday immediately preceding May 25
- St. John the Baptist Day (June 24)*
- Canada Day (July 1)*
- Labour Day: First Monday in September
- Thanksgiving Day: Second Monday in October
- Remembrance Day (November 11)*
- Christmas Day (December 25)*
- Boxing Day (December 26)

- Tous les samedi et dimanche
- Jour de l'An (1er janvier)*
- Vendredi Saint
- Lundi de Pâques
- Fête de Victoria : premier lundi précédant le 25 mai
- Saint-Jean-Baptiste (le 24 juin)*
- Fête du Canada (1er juillet)*
- Fête du travail : premier lundi de septembre
- Jour de l'Action de grâces : deuxième lundi d'octobre
- Jour du souvenir (11 novembre)*
- Jour de Noël (25 décembre)*
- L'après-Noël (26 décembre)

If December 26 falls on a Saturday, CIPO's Offices will be closed on the following Monday. If December 26 falls on a Sunday or Monday, the Offices are closed on the following Tuesday.

* If any of these holidays fall on a Saturday or Sunday, the Offices will be closed on the following Monday.

Si le 26 décembre est un samedi, les bureaux de l'OPIC seront fermés le lundi suivant. S'il coïncide avec un dimanche ou un lundi, les bureaux le seront le mardi d'après.

* Si l'un ou l'autre de ces jours fériés est un samedi ou un dimanche, les bureaux des brevets et marques de commerce seront fermés le lundi suivant.

6. Procedures in case of an unexpected office closure at CIPO

In case of an **emergency**, CIPO will attempt to remain open for business and ensure that essential service to our clients continues with the least possible disruption or delay.

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.

Whenever CIPO is closed for business, including closures due to extraordinary circumstances, CIPO considers **all time limits to be extended until the next day that it is open for business**. In such situations, mail delivered to CIPO or to the designated regional offices will be considered to be received on the date that CIPO re-opens for business, with the exception of correspondence addressed to the Registrar of Topographies.

There may also be instances in which the designated regional offices may be temporarily closed, yet CIPO remains open for business. In such situations, it remains the responsibility of CIPO's clients to ensure that all deadlines are respected.

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or electronically 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); however date-sensitive material requiring fee payment that is sent by fax must be accompanied by a VISA, MasterCard, or American Express credit card number, or CIPO

6. Procédures en cas de fermeture des bureaux

Dans une **situation d'urgence**, 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.

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.

Dans les cas où l'OPIC est fermé au public, y compris pour des raisons exceptionnelles, **les dates limites seront réputées être reportées au prochain jour où l'OPIC sera ouvert au public**. Le cas échéant, sauf pour la correspondance adressée au registraire des topographies, le courrier livré à l'OPIC ou aux bureaux régionaux désignés sera réputé avoir été reçu le jour où l'OPIC rouvre au public.

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.

Les clients sont **fortement encouragés** à 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 de ces procédures de correspondance. Il est toujours possible de télécopier des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des frais sont exigés, envoyés par

Notices

deposit account number.

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 on our [service interruptions](#) as they become available and as circumstances permit.

NOTICE REGARDING UNEXPECTED CLOSURES OF THE OFFICE

Whenever CIPO is closed for business, including closures due to extraordinary circumstances, CIPO considers all time limits to be extended until the next day that it is open for business.

On May 8, 2017 and May 9, 2017, CIPO was closed for business due to extraordinary circumstances.

For information regarding a previous business closure, please contact the Client Service Centre or consult CIPO's website.

7. Procedures when CIPO is open for business 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 for business 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 Trade-marks Act and Regulations does allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. For a retroactive extension of time to be granted, the Registrar of Trade-marks 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 of \$125 may be required in certain cases.

télécopieur, doivent être accompagnés d'un numéro de carte VISA, Mastercard ou American Express ou d'un numéro de compte de dépôt à l'OPIC.

En cas d'urgence, les systèmes d'information et de recherche seront, 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 cas d'urgence, l'OPIC affichera les renseignements nécessaires sur notre [page d'interruptions des services](#) lorsque ceux-ci seront disponibles et si les circonstances le permettent.

AVIS CONCERNANT UNE FERMETURE INATTENDUE DU BUREAU

Lorsque l'OPIC est fermé, notamment en raison de circonstances exceptionnelles, l'OPIC considère que toutes les échéances sont prorogées jusqu'au jour de réouverture du bureau.

Les 8 et 9 mai 2017, l'OPIC était fermé au public en raison de circonstances exceptionnelles.

Pour obtenir des renseignements concernant une fermeture antérieure de nos bureaux, veuillez communiquer avec le centre de service à la clientèle ou consulter le site Web de l'OPIC.

7. Procédures à suivre lorsque les clients sont incapables de communiquer avec les bureaux de l'Office de la propriété intellectuelle du Canada durant les heures d'ouverture

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

Le cadre législatif relié aux types de propriété intellectuelle mentionnés ci-haut ne permet pas à l'OPIC d'avoir la flexibilité de proroger les délais lors d'une journée ouvrable pendant laquelle les clients sont dans l'impossibilité de communiquer avec le bureau.

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 prorogation rétroactive lorsqu'un délai n'a pas été respecté en raison d'une situation de force majeure. Pour qu'une prorogation 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 de 125 \$ peut être exigé dans certains cas.

Avis

CIPO notes that [Bill C-59 – Budget Implementation Act 2015](#), which received royal assent on June 23, 2015, contains provisions for extensions of time in Force Majeure-type situations (such as catastrophic events). CIPO has commenced work on regulatory amendments to the Patent Rules, Trade-Marks Regulations and the Industrial Design Regulations to bring Bill C-59 into force.

L'OPIC souligne que le [projet de loi C-59 – Loi d'exécution du budget 2015](#), qui a reçu la sanction royale le 23 juin 2015, renferme des dispositions permettant la prorogation de délais dans des cas de force majeure (événements catastrophiques par exemple). L'OPIC a entamé des travaux visant à apporter des modifications réglementaires aux Règles sur les brevets, au Règlement sur les marques de commerce et au Règlement sur les dessins industriels afin de mettre le projet de loi C-59 en vigueur.

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](#)
- [Patent Rules](#)
- [Regulations under the PCT](#)
- [Trade-marks Regulations](#)

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of February 26, 2019 contains applications open to public inspection from February 10, 2019 to February 16, 2019.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 26 février 2019 contient les demandes disponibles au public pour consultation pour la période du 10 février 2019 au 16 février 2019.

16. Erratum

The information concerning application number 3,023,544 referred to under the section *Canadian Applications Open to Public Inspection* of the *Canadian Patent Office Record* of December 29th, 2011 was incorrect. Please note that no application is open to public inspection under this number.

16. Erratum

Les renseignements concernant la demande 3,023,544 sous la rubrique *Demandes canadiennes mises à la disponibilité du public* de la *Gazette du Bureau des brevets* du 29 décembre 2011 sont inexacts. Veuillez noter qu'aucune demande n'est accessible au public sous ce numéro.

The information concerning application number 2,776,822 referred to under the section *Canadian Applications Open to Public Inspection* of the *Canadian Patent Office Record* of November 11th, 2012 was incorrect. Please note that no application is open to public inspection under this number.

Les renseignements concernant la demande 2,776,822 sous la rubrique *Demandes canadiennes mises à la disponibilité du public* de la *Gazette du Bureau des brevets* du 11 novembre 2012 sont inexacts. Veuillez noter qu'aucune demande n'est accessible au public sous ce numéro.

The information concerning application number 2,869,605 referred to under the section *Canadian Applications Open to*

Les renseignements concernant la demande 2,869,605 sous la rubrique *Demandes canadiennes mises à la disponibilité du*

Notices

Public Inspection of the *Canadian Patent Office Record* of May 6th, 2015 was incorrect. Please note that no application is open to public inspection under this number.

The information concerning application number 3,024,460 referred to under the section *Canadian Applications Open to Public Inspection* of the *Canadian Patent Office Record* of November 15th, 2018 was incorrect. Please note that no application is open to public inspection under this number.

17. Erratum

The previous editions of the *Canadian Patent Office Record* listed below contained some errors. The section of the CPOR titled *Canadian Patents Issued* lists the patents that have been granted on the date of that edition. However, in that portion of the editions listed below, the code A1 (which indicates a patent application) appeared in conjunction with one or more of the listed patents. The code that should have appeared in conjunction with all of the listed patents is C, which indicates a granted patent. For further information about any patent application or patent, please refer to the [Canadian Patents Database](#).

Volume 143 No. 48 December 1, 2015
Volume 144 No. 3 January 19, 2016
Volume 144 No. 11 March 15, 2016
Volume 144 No. 28 July 12, 2016
Volume 144 No. 28 July 19, 2016
Volume 144 No. 35 August 30, 2016
Volume 145 No. 11 March 14, 2017
Volume 145 No. 12 March 21, 2017
Volume 145 No. 15 April 11, 2017
Volume 145 No. 17 April 25, 2017
Volume 145 No. 21 May 23, 2017
Volume 145 No. 43 October 24, 2017
Volume 145 No. 45 November 7, 2017
Volume 146 No. 11 March 13, 2018
Volume 146 No. 27 July 3, 2018

publique de la *Gazette du Bureau des brevets* du 6 mai 2015 sont inexacts. Veuillez noter qu'aucune demande n'est accessible au public sous ce numéro.

Les renseignements concernant la demande 3,024,460 sous la rubrique *Demandes canadiennes mises à la disponibilité du publique* de la *Gazette du Bureau des brevets* du 15 novembre 2018 sont inexacts. Veuillez noter qu'aucune demande n'est accessible au public sous ce numéro.

17. Erratum

Les éditions précédentes de la *Gazette du Bureau des brevets (GBB)* dont le numéro figure ci-dessous contiennent certaines erreurs. Une liste des brevets ayant été octroyés à la date d'un numéro d'édition apparaît dans la section de la GBB intitulée *Brevets canadiens délivrés*. Cependant, dans cette section des numéros d'édition qui figurent ci-après, le code A1 (indiquant une demande de brevet) accompagne un ou plusieurs des brevets énumérés. Le code C, indiquant un brevet octroyé, est celui qui aurait dû accompagner chacun des brevets énumérés. Pour de plus amples renseignements sur une demande de brevet ou sur un brevet, veuillez consulter la [Base de données sur les brevets canadiens](#).

Volume 143 No 48 le 1er décembre 2015
Volume 144 No 3 le 19 janvier 2016
Volume 144 No 11 le 15 mars 2016
Volume 144 No 28 le 12 juillet 2016
Volume 144 No 28 le 19 juillet 2016
Volume 144 No 35 le 30 août 2016
Volume 145 No 11 le 14 mars 2017
Volume 145 No 12 le 21 mars 2017
Volume 145 No 15 le 11 avril 2017
Volume 145 No 17 le 25 avril 2017
Volume 145 No 21 le 23 mai 2017
Volume 145 No 43 le 24 octobre 2017
Volume 145 No 45 le 7 novembre 2017
Volume 146 No 11 le 13 mars 2018
Volume 146 No 27 le 3 juillet 2018

Canadian Patents Issued

February 26, 2019

Brevets canadiens délivrés

26 février 2019

[11] **2,484,818**
[13] C

[51] **Int.Cl. G06Q 20/34 (2012.01) G06Q 20/38 (2012.01)**

[25] EN

[54] **A TAX REFUND SYSTEM**

[54] **SYSTEME SERVANT A REMBOURSER LA TVA**

[72] BARRY, GERARD J., IE

[72] DUFFY, JOHN, IE

[72] PARKINS, CHRISTOPHER DAVID, GB

[72] BEWS, DUNCAN ALEXANDER, GB

[73] EUROPEAN TAX FREE SHOPPING LIMITED, IE

[85] 2004-09-13

[86] 2003-03-18 (PCT/IE2003/000042)

[87] (WO2003/079249)

[30] GB (0206346.9) 2002-03-18

[30] IE (2002/0850) 2002-10-31

[11] **2,489,911**
[13] C

[51] **Int.Cl. C12N 1/00 (2006.01) A23D 9/00 (2006.01) A23D 9/02 (2006.01) A61K 8/92 (2006.01) C11B 1/10 (2006.01) C12N 1/12 (2006.01) C12N 1/14 (2006.01) C12N 1/16 (2006.01) C12N 1/20 (2006.01) C12P 7/64 (2006.01)**

[25] EN

[54] **PASTEURISATION PROCESS FOR MICROBIAL CELLS AND MICROBIAL OIL**

[54] **PROCEDE DE PASTEURISATION DE CELLULES MICROBIENNES ET D'HUILE MICROBIENNE**

[72] SCHAAP, ALBERT, NL

[72] VERKOEIJEN, DANIEL, NL

[73] DSM IP ASSETS B.V., NL

[85] 2004-12-17

[86] 2003-06-20 (PCT/EP2003/006553)

[87] (WO2004/001021)

[30] EP (02254262.5) 2002-06-19

[30] EP (02258713.3) 2002-12-18

[11] **2,553,946**
[13] C

[51] **Int.Cl. C12N 15/13 (2006.01) A61K 39/395 (2006.01) A61P 1/00 (2006.01) A61P 1/12 (2006.01) A61P 31/04 (2006.01) C07K 16/12 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 15/63 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **ANTIBODIES AGAINST CLOSTRIDIUM DIFFICILE TOXINS AND USES THEREOF**

[54] **ANTICORPS CONTRE DES TOXINES DE CLOSTRIDIUM DIFFICILE ET UTILISATIONS CONNEXES**

[72] AMBROSINO, DONNA, US

[72] BABCOCK, GREGORY J., US

[72] BROERING, TERESA, US

[72] GRAZIANO, ROBERT, US

[72] HERNANDEZ, HECTOR JAVIER, US

[72] LOWY, ISRAEL, US

[72] MANDELL, ROBERT, US

[72] MOLRINE, DEBORAH, US

[72] THOMAS, WILLIAM D. JR., US

[72] ZHANG, HUI-FEN, US

[73] UNIVERSITY OF MASSACHUSETTS, US

[73] E. R. SQUIBB & SONS, L.L.C., US

[85] 2006-08-02

[86] 2005-02-04 (PCT/US2005/003725)

[87] (WO2006/121422)

[30] US (60/542,357) 2004-02-06

[30] US (60/613,854) 2004-09-28

[11] **2,561,513**
[13] C

[51] **Int.Cl. A61K 31/7064 (2006.01) A61P 35/00 (2006.01) C07H 19/23 (2006.01)**

[25] EN

[54] **EFFECTIVE TREATMENT OF TUMORS AND CANCER WITH TRICIRIBINE AND RELATED COMPOUNDS**

[54] **TRAITEMENT EFFICACE DES TUMEURS ET DU CANCER A L'AIDE DE LA TRICIRIBINE ET DE COMPOSES ASSOCIES**

[72] CHENG, JIN Q., US

[72] SEBTI, SAID M., US

[73] UNIVERSITY OF SOUTH FLORIDA, US

[85] 2006-09-28

[86] 2005-03-29 (PCT/US2005/010422)

[87] (WO2005/094322)

[30] US (60/557,599) 2004-03-29

[11] **2,596,204**
[13] C

[51] **Int.Cl. G01N 33/53 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR DETERMINING AN OPTIMAL DILUTION OF A REAGENT**

[54] **PROCEDE ET SYSTEME DE DETERMINATION DE LA DILUTION OPTIMALE D'UN REACTIF**

[72] PINARD, ROBERT, US

[72] TEDESCHI, GREGORY R., US

[72] GUSTAVSON, MARK, US

[73] NOVARTIS AG, CH

[86] (2596204)

[87] (2596204)

[22] 2007-08-07

Canadian Patents Issued
February 26, 2019

[11] **2,615,968**
[13] C
[51] **Int.Cl. C12Q 1/6876 (2018.01) C12Q 1/6837 (2018.01) C12Q 1/6844 (2018.01)**
[25] EN
[54] **FLUORESCENTLY LABELLED OLIGONUCLEOTIDES FOR USE AS HYBRIDISATION PROBES**
[54] **OLIGONUCLEOTIDES**
[72] MCDOWELL, DAVID GORDON, GB
[72] FRENCH, DAVID JOHN, GB
[73] LGC LIMITED, GB
[85] 2008-01-18
[86] 2006-07-20 (PCT/GB2006/002719)
[87] (WO2007/010268)
[30] GB (0514889.5) 2005-07-20

[11] **2,673,205**
[13] C
[51] **Int.Cl. E04F 19/04 (2006.01)**
[25] EN
[54] **HOLLOW WALL STRUCTURE**
[54] **STRUCTURE DE MUR CREUX**
[72] JOHNSTON, CURTIS F., US
[73] TARKETT USA INC., US
[86] (2673205)
[87] (2673205)
[22] 2009-04-15
[30] US (12/148,082) 2008-04-15

[11] **2,673,898**
[13] C
[51] **Int.Cl. H01H 85/46 (2006.01) H01H 85/02 (2006.01)**
[25] EN
[54] **INTELLIGENT FUSE HOLDER AND CIRCUIT PROTECTION SYSTEMS**
[54] **PORTE-FUSIBLE INTELLIGENT ET SYSTEME DE PROTECTION DE CIRCUIT**
[72] RODSETH, WILLIAM G., US
[72] STANEK, DANIEL, US
[72] GILMAN, DANIEL, US
[73] LITTELFUSE, INC., US
[86] (2673898)
[87] (2673898)
[22] 2009-07-27
[30] US (12/181,088) 2008-07-28

[11] **2,681,822**
[13] C
[51] **Int.Cl. C12Q 1/52 (2006.01) C12Q 1/48 (2006.01)**
[25] EN
[54] **MEASUREMENT OF THE ACTIVITY OF A KYNURENINE-CONVERTING ENZYME AND/OR OF A KYNURENIC ACID, ANTHRANILIC ACID AND/OR 3-HYDROXYKYNURENINE-PRODUCING ENZYME**
[54] **MESURE DE L'ACTIVITE D'UNE ENZYME TRANSFORMANT DE LA KYNURENINE ET/OU D'UNE ENZYME PRODUISANT DE L'ACIDE KYNURENIQUE, DE L'ACIDE ANTHRANILIQUE ET/OU DE LA 3-HYDROXYKYNURENINE**
[72] BARAN, HALINA, AT
[73] KEPPLINGER, BERTHOLD, AT
[73] BARAN, HALINA, AT
[85] 2009-09-24
[86] 2007-09-26 (PCT/AT2007/000452)
[87] (WO2008/116235)
[30] AT (GM 195/2007) 2007-03-27

[11] **2,693,152**
[13] C
[51] **Int.Cl. A61K 31/4745 (2006.01) A61K 38/16 (2006.01) A61P 35/00 (2006.01)**
[25] FR
[54] **ANTITUMOUR COMBINATIONS CONTAINING A VEGF INHIBITING AGENT AND IRINOTECAN**
[54] **COMBINAISONS ANTITUMORALES CONTENANT UN AGENT INHIBITEUR DE VEGF ET DE L'IRINOTECAN**
[72] BISSERY, MARIE-CHRISTINE, FR
[72] CHIRON-BLONDEL, MARIELLE, FR
[72] LEJEUNE, PASCALE, FR
[72] VRIGNAUD, PATRICIA, FR
[73] AVENTIS PHARMA S.A., FR
[85] 2009-12-30
[86] 2008-07-02 (PCT/FR2008/000943)
[87] (WO2009/024667)
[30] FR (0704868) 2007-07-05

[11] **2,694,007**
[13] C
[51] **Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6813 (2018.01) G16B 20/00 (2019.01) G16B 25/00 (2019.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **DETERMINING A NUCLEIC ACID SEQUENCE IMBALANCE**
[54] **DETERMINATION D'UN DESEQUILIBRE DE SEQUENCES D'ACIDE NUCLEIQUE**
[72] LO, YUK-MING DENNIS, HK
[72] CHIU, ROSSA WAI KWUN, HK
[72] CHAN, KWAN CHEE, HK
[72] ZEE, BENNY CHUNG YING, HK
[72] CHONG, KA CHUN, HK
[73] THE CHINESE UNIVERSITY OF HONG KONG, CN
[85] 2010-01-19
[86] 2008-07-23 (PCT/GB2008/002524)
[87] (WO2009/013492)
[30] US (60/951,438) 2007-07-23

[11] **2,694,391**
[13] C
[51] **Int.Cl. A61K 47/42 (2017.01) A61P 3/10 (2006.01) A61P 9/10 (2006.01) A61P 25/00 (2006.01) A61P 35/00 (2006.01) C07K 14/46 (2006.01) C07K 14/465 (2006.01)**
[25] EN
[54] **OXIDIZED AVIDIN WITH HIGH RESIDENCY TIME IN THE TREATED TISSUES**
[54] **AVIDINE OXYDEE AVEC TEMPS DE RESIDENCE ELEVE DANS LES TISSUS TRAITES**
[72] DE SANTIS, RITA, IT
[72] NUZZOLO, CARLO ANTONIO, IT
[73] ALFASIGMA S.P.A., IT
[85] 2010-01-22
[86] 2008-07-16 (PCT/EP2008/059260)
[87] (WO2009/016031)
[30] EP (07113733.5) 2007-08-02
[30] EP (08157473.3) 2008-06-03

**Brevets canadiens délivrés
26 février 2019**

[11] **2,694,492**
[13] C

[51] **Int.Cl. C12P 7/64 (2006.01) A23D 9/00 (2006.01) C11B 1/00 (2006.01) C11C 3/00 (2006.01)**

[25] EN

[54] **ENZYMATIC MODIFICATION OF OIL**

[54] **MODIFICATION ENZYMATIQUE D'UNE HUILE**

[72] KRALOVEC, JAROSLAV A., CA

[72] WANG, WEIJIE, CA

[72] BARROW, JAMES COLIN, CA

[73] DSM NUTRITIONAL PRODUCTS AG, US

[85] 2010-01-12

[86] 2008-07-11 (PCT/IB2008/003336)

[87] (WO2009/040676)

[30] US (60/959,248) 2007-07-12

[11] **2,701,646**
[13] C

[51] **Int.Cl. C12N 15/69 (2006.01) C07K 16/00 (2006.01) C12N 15/85 (2006.01)**

[25] EN

[54] **PROTEIN EXPRESSION FROM MULTIPLE NUCLEIC ACIDS**

[54] **EXPRESSION DE PROTEINE A PARTIR D'ACIDES NUCLEIQUES MULTIPLES**

[72] GOEPFERT, ULRICH, DE

[72] KNOETGEN, HENDRIK, DE

[72] KOPETZKI, ERHARD, DE

[72] STERN, ANNE, DE

[73] F. HOFFMANN-LA ROCHE AG, CH

[85] 2010-04-01

[86] 2008-10-09 (PCT/EP2008/008523)

[87] (WO2009/046978)

[30] EP (07019999.7) 2007-10-12

[11] **2,710,733**
[13] C

[51] **Int.Cl. G06F 11/00 (2006.01) A61B 34/10 (2016.01)**

[25] EN

[54] **PREVENTING DISRUPTIVE COMPUTER EVENTS DURING MEDICAL PROCEDURES**

[54] **PREVENTION DES EVENEMENTS D'INTERRUPTION D'UN ORDINATEUR LORS DES ACTES MEDICAUX**

[72] AMIT, MATI, IL

[72] SCHWARTZ, YITZHACK, IL

[73] BIOSENSE WEBSTER, INC., US

[86] (2710733)

[87] (2710733)

[22] 2010-07-22

[30] US (12/507,981) 2009-07-23

[11] **2,696,082**
[13] C

[51] **Int.Cl. H04L 12/16 (2006.01) G16H 40/20 (2018.01) H04L 9/00 (2006.01)**

[25] EN

[54] **SYSTEM FOR CONTROLLING MEDICAL DEVICES**

[54] **SYSTEME POUR CONTROLER DES DISPOSITIFS MEDICAUX**

[72] ROBERTS, NICK, US

[72] NEWMAN, LEE A., US

[73] SMITHS MEDICAL ASD, INC., US

[85] 2010-02-10

[86] 2008-08-11 (PCT/US2008/072801)

[87] (WO2009/023634)

[30] US (60/964,444) 2007-08-10

[11] **2,709,517**
[13] C

[51] **Int.Cl. C12N 15/29 (2006.01) C07K 14/415 (2006.01) C12N 5/10 (2006.01) C12N 15/00 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **ISOLATED POLYPEPTIDES, POLYNUCLEOTIDES USEFUL FOR MODIFYING WATER USE EFFICIENCY, FERTILIZER USE EFFICIENCY, BIOTIC/ABIOTIC STRESS TOLERANCE, YIELD AND BIOMASS IN PLANTS**

[54] **POLYPEPTIDES ISOLES, POLYNUCLEOTIDES UTILES POUR MODIFIER L'EFFICACITE DE L'UTILISATION DE L'EAU, L'EFFICACITE DE L'UTILISATION DE FERTILISANT, LA TOLERANCE AU STRESS BIOTIQUE/ABIOTIQUE, LE RENDEMENT ET LA BIOMASSE CHEZ LES PLANTES**

[11] **2,710,862**
[13] C

[51] **Int.Cl. A61K 36/484 (2006.01) A61K 35/64 (2015.01) A61P 3/10 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION FOR TREATING DIABETES AND PREPARATION METHOD THEREOF**

[54] **COMPOSITION PHARMACEUTIQUE SERVANT AU TRAITEMENT DU DIABETE ET METHODE DE PREPARATION ASSOCIEE**

[72] PAN, JIE, CN

[72] CHEN, JIPENG, CN

[72] HONG, FEI, CN

[72] LIN, ZHIQIANG, CN

[73] ZHANGZHOU PIEN TZE HUANG PHARMACEUTICAL CO., LTD, CN

[85] 2010-06-25

[86] 2008-11-14 (PCT/CN2008/001878)

[87] (WO2009/100605)

[30] CN (200810057130.3) 2008-01-30

[11] **2,698,117**
[13] C

[51] **Int.Cl. C12N 15/09 (2006.01)**

[25] EN

[54] **FIG4 GENE MUTATIONS IN NEURODEGENERATION**

[54] **MUTATIONS DU GENE FIG4 DANS LA NEURODEGENERESCENCE**

[72] MEISLER, MIRIAM, US

[72] LUPSKI, JAMES R., US

[72] CHOW, CLEMENT, US

[73] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US

[73] BAYLOR COLLEGE OF MEDICINE, US

[85] 2009-10-26

[86] 2008-04-25 (PCT/US2008/061616)

[87] (WO2008/134539)

[30] US (60/926,276) 2007-04-26

[72] RONEN, GIL, IL

[72] VINOCUR, BASIA JUDITH, IL

[72] DIBER, ALEX, IL

[72] AYAL, SHARON, IL

[72] KARCHI, HAGAI, IL

[72] HERSCHKOVITZ, YOAV, IL

[73] EVOGENE LTD., IL

[85] 2010-06-15

[86] 2008-12-23 (PCT/IL2008/001657)

[87] (WO2009/083958)

[30] US (61/009,166) 2007-12-27

[30] US (61/136,238) 2008-08-20

**Canadian Patents Issued
February 26, 2019**

[11] **2,713,051**
[13] C

[51] **Int.Cl. E21B 19/14 (2006.01)**
[25] EN
[54] **PIPE HANDLING SYSTEM,
APPARATUS AND METHOD**
[54] **SYSTEME, APPAREIL ET
PROCEDE DE MANUTENTION
DES TUYAUX**
[72] MORELLI, VINCE, CA
[72] LUDWIG, DARCY, CA
[73] SUPERIOR RIG SOLUTIONS INC.,
CA
[86] (2713051)
[87] (2713051)
[22] 2010-08-16
[30] US (61373798) 2010-08-13

[11] **2,716,072**
[13] C

[51] **Int.Cl. G06Q 30/02 (2012.01) H04L
12/16 (2006.01)**
[25] EN
[54] **PRIVACY-ENHANCED INTERNET
ADVERTISING SYSTEM**
[54] **SYSTEME PUBLICITAIRE SUR
INTERNET A CONFIDENTIALITE
AMELIOREE**
[72] HO, MICHAEL, CA
[72] ST-PIERRE, NICOLAS, CA
[73] AUDIENCE PARTNERS, LLC, US
[85] 2010-08-18
[86] 2009-02-04 (PCT/CA2009/000134)
[87] (WO2009/105862)
[30] US (61/031,296) 2008-02-25
[30] US (12/361,566) 2009-01-29

[11] **2,717,124**
[13] C

[51] **Int.Cl. A61B 1/12 (2006.01)**
[25] EN
[54] **FLOW GUIDE**
[54] **GUIDE D'ECOULEMENT**
[72] JAMES, ADAM GRAHAM, GB
[72] CHEN, JIE, GB
[72] WILLS, ANTHONY ARTHUR, GB
[73] ENDOGUARD LIMITED, GB
[86] (2717124)
[87] (2717124)
[22] 2010-10-07
[30] GB (0917857.5) 2009-10-12

[11] **2,717,533**
[13] C

[51] **Int.Cl. H02J 50/80 (2016.01) H02J
50/10 (2016.01) F41G 11/00 (2006.01)
F41H 13/00 (2006.01) H02J 7/00
(2006.01) H04B 5/00 (2006.01) H04K
3/00 (2006.01)**
[25] EN
[54] **SOLDIER SYSTEM WIRELESS
POWER AND DATA
TRANSMISSION**
[54] **TRANSMISSION SANS FIL
D'ALIMENTATION ET DE
DONNEES DE DISPOSITIF
SOLDAT**
[72] SOAR, ROGER J., CA
[73] CYNETIC DESIGNS LTD., CA
[86] (2717533)
[87] (2717533)
[22] 2010-10-13
[30] US (61/272621) 2009-10-13
[30] US (12/923,895) 2010-09-29

[11] **2,718,819**
[13] C

[51] **Int.Cl. H05B 37/00 (2006.01) F21K
9/00 (2016.01) H05B 37/02 (2006.01)**
[25] EN
[54] **EFFICIENT ELECTRICALLY
ISOLATED LIGHT SOURCES**
[54] **SOURCES D'ECLAIRAGE
EFFICACES ET ISOLEES
ELECTRIQUEMENT**
[72] GROTKOWSKI, MIROSLAW
MAREK, CA
[72] SHEEHAN, GREGORY BERNARD,
CA
[73] PHILIPS LIGHTING HOLDING B.V.,
NL
[86] (2718819)
[87] (2718819)
[22] 2010-10-26
[30] US (61/279750) 2009-10-26
[30] US (61/395589) 2010-05-17
[30] US (61/363161) 2010-07-09

[11] **2,719,147**
[13] C

[51] **Int.Cl. A61K 35/32 (2015.01) A61P
19/04 (2006.01)**
[25] EN
[54] **TREATMENT OF
INTERVERTEBRAL DISC
DEGENERATION**
[54] **TRAITEMENT DE LA
DEGENERESCENCE DU DISQUE
INTERVERTEBRAL**
[72] NOH, MOON JONG, US
[72] KANG, SUNG WOO, US
[72] BAE, HYUN, US
[72] LEE, KWAN HEE, US
[73] KOLON TISSUEGENE, INC., US
[85] 2010-09-21
[86] 2009-03-23 (PCT/US2009/037987)
[87] (WO2009/117740)
[30] US (61/038,697) 2008-03-21

[11] **2,719,382**
[13] C

[51] **Int.Cl. B01J 19/00 (2006.01) C01B
39/36 (2006.01) C07C 1/04 (2006.01)
C07C 19/04 (2006.01) C07C 29/152
(2006.01) C10G 2/00 (2006.01) C10J
3/00 (2006.01)**
[25] EN
[54] **PROCESS FOR UPGRADING A
CARBONACEOUS MATERIAL
USING MICROCHANNEL
PROCESS TECHNOLOGY**
[54] **PROCEDE DE MISE A JOUR D'UN
MATERIAU CARBONE A L'AIDE
D'UNE TECHNOLOGIE DE
TRAITEMENT PAR
MICROCANAUX**
[72] SIMMONS, WAYNE W., US
[72] LITT, ROBERT DWAYNE, US
[72] TONKOVICH, ANNA LEE, US
[72] SILVA, LAURA J., US
[72] RYAN, DANIEL FRANCIS, US
[72] STANGELAND, BRUCE, US
[72] BROPHY, JOHN, GB
[72] MCDANIEL, JEFFREY S., US
[73] VELOCYS INC., US
[85] 2010-09-22
[86] 2009-04-09 (PCT/US2009/040005)
[87] (WO2009/126769)
[30] US (61/043,465) 2008-04-09
[30] US (61/104,432) 2008-10-10
[30] US (61/152,645) 2009-02-13

**Brevets canadiens délivrés
26 février 2019**

[11] **2,719,625**
[13] C

[51] **Int.Cl. G16H 50/50 (2018.01) G16H 50/70 (2018.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR ASSESSING CLINICAL OUTCOMES**

[54] **PROCEDES ET SYSTEMES DE DETERMINATION DE RESULTATS CLINIQUES**

[72] MICHELSON, SETH, US

[72] KEMP, TIMOTHY MICHAEL, US

[72] GIBBONS, IAN, US

[72] HOLMES, ELIZABETH A., US

[73] THERANOS IP COMPANY, LLC, US

[85] 2010-09-24

[86] 2009-03-26 (PCT/US2009/038467)

[87] (WO2009/120909)

[30] US (61/039,721) 2008-03-26

[11] **2,720,080**
[13] C

[51] **Int.Cl. G01N 9/02 (2006.01) E21C 39/00 (2006.01)**

[25] EN

[54] **MEASUREMENT OF BULK DENSITY OF THE PAYLOAD IN A DRAGLINE BUCKET**

[54] **MESURE DE LA DENSITE APPARENTE DE LA CHARGE UTILE D'UNE BENNE A TRACTION**

[72] UPCROFT, BENJAMIN, AU

[72] SHEKHAR, RAJIV CHANDRA, AU

[72] BEWLEY, ALEX JOSEPH, AU

[72] LEVER, PAUL J.A., AU

[73] CMTE DEVELOPMENT LIMITED, AU

[86] (2720080)

[87] (2720080)

[22] 2010-10-27

[11] **2,725,239**
[13] C

[51] **Int.Cl. C12P 19/34 (2006.01) C07H 19/10 (2006.01) C07H 19/20 (2006.01)**

[25] EN

[54] **CHEMICALLY MODIFIED NUCLEOSIDE 5'-TRIPHOSPHATES FOR THERMALLY INITIATED AMPLIFICATION OF NUCLEIC ACID**

[54] **NUCLEOSIDES 5'-TRIPHOSPHATES MODIFIES CHIMIQUEMENT POUR L'AMPLIFICATION INITIEE THERMIQUEMENT D'UN ACIDE NUCLEIQUE**

[72] LEBEDEV, ALEXANDRE V., US

[72] KOUKHAREVA, INNA, US

[73] TRILINK BIOTECHNOLOGIES, US

[85] 2010-11-19

[86] 2009-05-21 (PCT/US2009/044910)

[87] (WO2009/151921)

[30] US (61/056,324) 2008-05-27

[11] **2,725,508**
[13] C

[51] **Int.Cl. A61F 2/16 (2006.01) A61B 3/10 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR DETERMINING INTRAOCULAR LENS POWER**

[54] **SYSTEME ET METHODE DE DETERMINATION DE LA PUISSANCE D'UNE LENTILLE INTRAOCULAIRE**

[72] NORRBY, SVERKER, NL

[72] BERGMAN, ROLF, SE

[73] AMO REGIONAL HOLDINGS, IE

[85] 2010-10-01

[86] 2009-04-06 (PCT/IB2009/008074)

[87] (WO2010/064150)

[30] US (61/042,697) 2008-04-04

[11] **2,727,082**
[13] C

[51] **Int.Cl. A61K 38/00 (2006.01) A61P 5/00 (2006.01) A61P 35/00 (2006.01) C07K 14/00 (2006.01) C12N 15/62 (2006.01)**

[25] EN

[54] **FUSION PROTEINS FOR USE IN SUPPRESSION OF ACROMEGALY**

[54] **PROTEINES DE FUSION DESTINEES A LA SUPPRESSION DE L'ACROMEGALIE**

[72] JOHNSTONE, STEPHEN, GB

[72] MARKS, PHILIP, GB

[72] FOSTER, KEITH, GB

[73] IPSEN BIOINNOVATION LIMITED, GB

[85] 2010-12-06

[86] 2009-06-11 (PCT/GB2009/050665)

[87] (WO2009/150469)

[30] GB (0810785.6) 2008-06-12

[30] GB (0810782.3) 2008-06-12

[30] GB (0820884.5) 2008-11-14

[30] GB (0820965.2) 2008-11-17

[11] **2,727,693**
[13] C

[51] **Int.Cl. C07K 1/30 (2006.01) C07K 1/14 (2006.01) C07K 5/10 (2006.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01) C12N 15/10 (2006.01)**

[25] EN

[54] **USE OF A TPB SALT FOR THE SEPARATION OF BIOMOLECULES**

[54] **UTILISATION D'UN SEL DE TETRAPHENYLBORATE (TPB) EN VUE DE LA SEPARATION DE BIOMOLECULES**

[72] CALLENS, ROLAND, BE

[72] JEANNIN, LAURENT, BE

[73] PEPTISYNTHA SA, BE

[85] 2010-12-10

[86] 2009-06-17 (PCT/EP2009/057548)

[87] (WO2009/153294)

[30] EP (PCT/EP2008/057637) 2008-06-17

**Canadian Patents Issued
February 26, 2019**

[11] **2,727,936**
[13] C

[51] **Int.Cl. G16B 15/20 (2019.01) G16B 15/00 (2019.01) G16B 15/30 (2019.01) A61K 38/00 (2006.01) G01N 33/68 (2006.01) C07K 14/71 (2006.01) C07K 16/00 (2006.01)**

[25] EN

[54] **METHODS TO IDENTIFY MACROMOLECULE BINDING AND AGGREGATION PRONE REGIONS IN PROTEINS AND USES THEREFOR**

[54] **METHODES D'IDENTIFICATION DE REGIONS DE LIAISON MACROMOLECULAIRE ET DE REGIONS PREDISPOSEES A L'AGREGATION DANS DES PROTEINES, ET LEURS UTILISATIONS**

[72] CHENNAMSETTY, NARESH, US
[72] HELK, BERNHARD, CH
[72] TROUT, BERNHARDT, US
[72] KAYSER, VEYSEL, US
[72] VOYNOV, VLADIMIR, US
[73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[73] NOVARTIS AG, CH
[85] 2010-12-13
[86] 2009-06-19 (PCT/US2009/047954)
[87] (WO2009/155518)
[30] US (61/074,466) 2008-06-20

[11] **2,730,103**
[13] C

[51] **Int.Cl. H04W 88/18 (2009.01) H04W 88/16 (2009.01) H04L 12/24 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR PROVIDING MOBILITY MANAGEMENT IN NETWORK**

[54] **PROCEDE ET SYSTEME POUR FOURNIR UNE GESTION DE MOBILITE DANS UN RESEAU**

[72] BANIEL, URI, US
[72] ABOU-ASSALI, TAREK, US
[72] RILEY, YUSUN KIM, US
[73] CAMIANT, INC., US
[85] 2011-01-06
[86] 2009-06-05 (PCT/US2009/046395)
[87] (WO2009/149341)
[30] US (61/059,133) 2008-06-05

[11] **2,732,782**
[13] C

[51] **Int.Cl. C12N 15/13 (2006.01) A61K 39/395 (2006.01) C07K 16/18 (2006.01) C07K 16/46 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR ANTIBODIES TARGETING COMPLEMENT PROTEIN C5**

[54] **COMPOSITIONS ET PROCEDES POUR DES ANTICORPS CIBLANT UNE PROTEINE DU COMPLEMENT C5**

[72] DIEFENBACH-STREIBER, BEATE, DE
[72] EBERTH, ADINA, DE
[72] GUILD, BRAYDON CHARLES, US
[72] KIM, YONG-IN, US
[72] ROGUSKA, MICHAEL, US
[72] SPLAWSKI, IGOR, US
[73] NOVARTIS AG, CH
[85] 2011-02-01
[86] 2009-08-03 (PCT/EP2009/060052)
[87] (WO2010/015608)
[30] US (61/086,355) 2008-08-05

[11] **2,733,597**
[13] C

[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6809 (2018.01) C12Q 1/6827 (2018.01) C12Q 1/6858 (2018.01) C12Q 1/6876 (2018.01) G01N 33/48 (2006.01)**

[25] EN

[54] **METHOD OF USING FOXO3A POLYMORPHISMS AND HAPLOTYPES TO PREDICT AND PROMOTE HEALTHY AGING AND LONGEVITY**

[54] **PROCEDE D'UTILISATION DE POLYMORPHISMES DE FOXO3A ET D'HAPLOTYPES POUR PREDIRE ET FAVORISER UN VIEILLISSEMENT SAIN ET UNE LONGEVITE**

[72] DONLON, TIMOTHY ATCHISON, US
[72] WILLCOX, BRADLEY JOHN, US
[72] CURB, J. DAVID, US
[73] KUAKINI MEDICAL CENTER, US
[85] 2011-02-09
[86] 2009-08-10 (PCT/US2009/053307)
[87] (WO2010/019519)
[30] US (61/087,722) 2008-08-10

[11] **2,736,784**
[13] C

[51] **Int.Cl. A61B 3/117 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DETERMINING AND PREDICTING IOL POWER IN SITU**

[54] **SYSTEME ET PROCEDE DE DETERMINATION ET DE PREDICTION IN SITU DE LA PUISSANCE D'UNE LENTILLE INTRA-OCULAIRE (LIO)**

[72] OLSEN, THOMAS, DK
[73] IOL INNOVATIONS APS, DK
[85] 2011-03-10
[86] 2009-09-11 (PCT/DK2009/050236)
[87] (WO2010/028654)
[30] DK (PA 2008 01272) 2008-09-11

[11] **2,736,929**
[13] C

[51] **Int.Cl. C07K 16/22 (2006.01) A61K 39/395 (2006.01) A61P 35/02 (2006.01) C07K 14/515 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **INHIBITION OF PLGF TO TREAT PHILADELPHIA CHROMOSOME POSITIVE LEUKEMIA**

[54] **INHIBITION DU PLGF POUR TRAITER LES LEUCEMIES A CHROMOSOME POSITIF PHILADELPHIA**

[72] CARMELIET, PETER, BE
[72] LOGES, SONJA, BE
[73] LIFE SCIENCES RESEARCH PARTNERS VZW, BE
[73] VIB VZM, BE
[85] 2011-03-10
[86] 2009-10-02 (PCT/EP2009/062861)
[87] (WO2010/037864)
[30] US (61/195,140) 2008-10-02

**Brevets canadiens délivrés
26 février 2019**

[11] **2,737,729**
[13] C

[51] **Int.Cl. A61N 1/32 (2006.01) A61B 5/05 (2006.01)**

[25] EN

[54] **A METHOD AND DEVICE FOR REDUCING MUSCLE TENSION THROUGH ELECTRICAL MANIPULATION**

[54] **PROCEDE ET DISPOSITIF DE REDUCTION DE LA TENSION MUSCULAIRE PAR MANIPULATION ELECTRIQUE**

[72] MOORE, TERRY WILLIAM BURTON, CA

[73] MOORE, TERRY WILLIAM BURTON, CA

[85] 2011-03-18

[86] 2009-09-21 (PCT/CA2009/001318)

[87] (WO2010/031180)

[30] US (61/098,578) 2008-09-19

[11] **2,737,764**
[13] C

[51] **Int.Cl. C07C 69/732 (2006.01) C07C 69/96 (2006.01) C08G 63/682 (2006.01) A61L 24/04 (2006.01) A61L 27/50 (2006.01) A61L 27/58 (2006.01) A61L 29/14 (2006.01) A61L 29/18 (2006.01) A61L 31/14 (2006.01) A61L 31/18 (2006.01)**

[25] EN

[54] **BIOCOMPATIBLE POLYMERS FOR MEDICAL DEVICES**

[54] **POLYMERES BIOCOMPATIBLES POUR DES DISPOSITIFS MEDICAUX**

[72] BOLIKAL, DURGADAS, US

[72] BRANDON, DON K., US

[72] KABALNOVA, LIUBOV, US

[72] BALUCA, ERNEST G., US

[72] KOHN, JOACHIM, US

[73] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US

[85] 2011-03-18

[86] 2009-10-11 (PCT/US2009/060302)

[87] (WO2010/042918)

[30] US (61/104,724) 2008-10-11

[30] US (61/104,728) 2008-10-11

[11] **2,738,654**
[13] C

[51] **Int.Cl. H02J 50/12 (2016.01) H02J 3/02 (2006.01) H03H 7/38 (2006.01)**

[25] EN

[54] **WIRELESS ENERGY TRANSFER SYSTEMS**

[54] **SYSTEMES DE TRANSFERT D'ENERGIE SANS FIL**

[72] KESLER, MORRIS P., US

[72] KARALIS, ARISTEIDIS, US

[72] KURS, ANDRE B., US

[72] CAMPANELLA, ANDREW J., US

[72] FIORELLO, RON, US

[72] LI, QIANG, US

[72] KULIKOWSKI, KONRAD J., US

[72] GILER, ERIC R., US

[72] PERGAL, FRANK J., US

[72] SCHATZ, DAVID A., US

[72] HALL, KATHERINE L., US

[72] SOLJACIC, MARIN, US

[73] WITRICITY CORPORATION, US

[85] 2011-03-25

[86] 2009-09-25 (PCT/US2009/058499)

[87] (WO2010/036980)

[30] US (61/100,721) 2008-09-27

[30] US (61/108,743) 2008-10-27

[30] US (61/121,159) 2008-12-09

[30] US (61/142,887) 2009-01-06

[30] US (61/142,796) 2009-01-06

[30] US (61/142,889) 2009-01-06

[30] US (61/142,885) 2009-01-06

[30] US (61/142,880) 2009-01-06

[30] US (61/142,818) 2009-01-06

[30] US (61/142,977) 2009-01-07

[30] US (61/143,058) 2009-01-07

[30] US (61/147,386) 2009-01-26

[30] US (61/152,086) 2009-02-12

[30] US (61/152,390) 2009-02-13

[30] US (61/156,764) 2009-03-02

[30] US (61/163,695) 2009-03-26

[30] US (61/169,240) 2009-04-14

[30] US (61/172,633) 2009-04-24

[30] US (61/173,747) 2009-04-29

[30] US (61/178,508) 2009-05-15

[30] US (61/182,768) 2009-06-01

[11] **2,738,669**
[13] C

[51] **Int.Cl. G01R 33/10 (2006.01) G01R 33/035 (2006.01)**

[25] EN

[54] **SYSTEMS, METHODS AND APPARATUS FOR MEASURING MAGNETIC FIELDS**

[54] **SYSTEMES, PROCEDES ET APPAREIL DE MESURE DE CHAMPS MAGNETIQUES**

[72] LANTING, TREVOR MICHAEL, CA

[72] BUNYK, PAUL I., CA

[72] BERKLEY, ANDREW J., CA

[72] HARRIS, RICHARD G., CA

[72] UCHAYKIN, SERGEY V., CA

[72] WILSON, ANDREW BROCK, CA

[72] JOHNSON, MARK, CA

[73] D-WAVE SYSTEMS, INC., CA

[85] 2011-03-25

[86] 2009-10-08 (PCT/US2009/060026)

[87] (WO2010/042735)

[30] US (61/104,179) 2008-10-09

[30] US (61/139,983) 2008-12-22

[11] **2,739,688**
[13] C

[51] **Int.Cl. A61K 39/09 (2006.01)**

[25] EN

[54] **COMPOSITION COMPRISING SORTASE ANCHORED SURFACE PROTEINS OF STREPTOCOCCUS UBERIS**

[54] **COMPOSITION COMPRENANT DES PROTEINES DE SURFACE ANCREES PAR LA SORTASE A STREPTOCOCCUS UBERIS**

[72] LEIGH, JAMES, GB

[73] THE UNIVERSITY OF NOTTINGHAM, GB

[85] 2011-04-05

[86] 2009-10-06 (PCT/GB2009/051321)

[87] (WO2010/041056)

[30] GB (0818231.3) 2008-10-06

**Canadian Patents Issued
February 26, 2019**

[11] **2,740,633**
[13] C

[51] **Int.Cl. A61K 9/14 (2006.01) A61L 27/18 (2006.01) A61L 27/54 (2006.01)**
[25] EN
[54] **MINERAL-COATED MICROSPHERES**
[54] **MICROSPHERES A REVETEMENT MINERAL**
[72] MURPHY, WILLIAM L., US
[72] JONGPAIBOONKIT, LEENAPORN, US
[73] TISSUE REGENERATION SYSTEMS, INC., US
[85] 2011-04-14
[86] 2009-09-25 (PCT/US2009/058419)
[87] (WO2010/036919)
[30] US (61/100,062) 2008-09-25

[11] **2,742,328**
[13] C

[51] **Int.Cl. A61K 9/19 (2006.01) A61K 9/00 (2006.01) A61K 38/37 (2006.01) A61K 47/02 (2006.01) A61K 47/10 (2017.01) A61K 47/18 (2017.01) A61K 47/20 (2006.01) A61K 47/26 (2006.01)**
[25] EN
[54] **FACTOR VIII FORMULATIONS**
[54] **FORMULATION DE FACTEUR VIII**
[72] PIKAL, MICHAEL, US
[72] TCHESALOV, SERGUEI, US
[72] BJORNSON, ERIK, US
[72] JAMEEL, FEROZ, US
[72] BESMAN, MARC, US
[73] UNIVERSITY OF CONNECTICUT, US
[73] BAXALTA GMBH, CH
[73] BAXALTA INCORPORATED, US
[85] 2011-04-29
[86] 2009-11-06 (PCT/US2009/063610)
[87] (WO2010/054238)
[30] US (61/112,513) 2008-11-07

[11] **2,743,127**
[13] C

[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **DIGITAL VOUCHER DISTRIBUTION SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE DOCUMENTS COMMERCIAUX NUMERIQUES**
[72] HASSON, ROBERT, FR
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
[86] (2743127)
[87] (2743127)
[22] 2011-06-13
[30] EP (10305631.3) 2010-06-14

[11] **2,743,136**
[13] C

[51] **Int.Cl. C07C 271/12 (2006.01) C12N 15/113 (2010.01) C12N 15/117 (2010.01) A61K 9/127 (2006.01) A61K 31/7088 (2006.01) A61K 39/00 (2006.01) C07C 211/21 (2006.01) C07C 211/22 (2006.01) C07C 229/12 (2006.01) C07C 229/48 (2006.01) C07C 237/06 (2006.01) C07C 251/38 (2006.01) C07C 251/78 (2006.01) C07C 271/20 (2006.01) C07C 323/27 (2006.01) C07D 317/34 (2006.01) C07D 317/44 (2006.01) C07F 9/06 (2006.01) C07F 9/28 (2006.01) C07H 15/00 (2006.01)**
[25] EN
[54] **NOVEL LIPIDS AND COMPOSITIONS FOR THE DELIVERY OF THERAPEUTICS**
[54] **NOUVEAUX LIPIDES ET NOUVELLES COMPOSITIONS POUR L'ADMINISTRATION D'AGENTS THERAPEUTIQUES**
[72] MANOHARAN, MUTHIAH, US
[72] RAJEEV, KALLANTHOTTATHIL G., US
[72] JAYARAMAN, MUTHUSAMY, US
[72] BUTLER, DAVID, US
[72] NARAYANANNAIR, JAYAPRAKASH K., US
[72] MAIER, MARTIN, US
[72] ELTEPU, LAXMAN, US
[73] ARBUTUS BIOPHARMA CORPORATION, CA
[85] 2011-05-09
[86] 2009-11-10 (PCT/US2009/063931)
[87] (WO2010/054405)
[30] US (61/113,179) 2008-11-10
[30] US (61/154,350) 2009-02-20
[30] US (61/171,439) 2009-04-21
[30] US (61/185,438) 2009-06-09
[30] US (61/225,898) 2009-07-15
[30] US (61/234,098) 2009-08-14

**Brevets canadiens délivrés
26 février 2019**

[11] **2,746,153**
[13] C

- [51] **Int.Cl. A61M 5/315 (2006.01)**
[25] EN
[54] **LEVER AND GEAR FORCE MULTIPLIER MEDICATION DELIVERY SYSTEM FOR HIGH PRESSURE INJECTION SYSTEM**
[54] **SYSTEME D'ADMINISTRATION DE MEDICAMENT DOTE D'UN MULTIPLICATEUR DE FORCE A LEVIER ET ENGRENAGE POUR SYSTEME D'INJECTION HAUTE PRESSION**
[72] SPOOL, IRA, US
[72] BRUEHWILER, MICHEL, US
[72] SCHOONMAKER, RYAN, US
[72] ROSEN, MELISSA, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2011-06-08
[86] 2009-12-08 (PCT/US2009/006419)
[87] (WO2010/077277)
[30] US (61/193,592) 2008-12-09

[11] **2,746,747**
[13] C

- [51] **Int.Cl. F16H 1/20 (2006.01) F16H 57/025 (2012.01) B23P 6/00 (2006.01) F16H 1/06 (2006.01) F16H 63/04 (2006.01) F16L 55/30 (2006.01)**
[25] EN
[54] **TRANSMISSION DEVICE AND PORTABLE BORING-WELDING APPARATUS USING THE SAME**
[54] **DISPOSITIF DE TRANSMISSION ET APPAREIL PORTATIF DE SOUDAGE-PERCAGE DOTE DUDIT DISPOSITIF DE TRANSMISSION**
[72] FILIATRAULT, STEPHANE, CA
[72] FILIATRAULT, GUY, CA
[73] USINAGE FILIATRAULT INC., CA
[86] (2746747)
[87] (2746747)
[22] 2011-07-14

[11] **2,747,521**
[13] C

- [51] **Int.Cl. A61M 5/142 (2006.01) A61M 39/12 (2006.01)**
[25] EN
[54] **INFUSION RESERVOIR WITH PUSH-ON CONNECTOR FEATURES AND/OR ATTACHMENTS THEREFOR**
[54] **RESERVOIR DE PERFUSION AVEC CARACTERISTIQUES DE RACCORDEMENT A BOUTON-POUSOIR ET/OU ACCESSOIRES CONNEXES**
[72] HWANG, CHARLES, US
[72] SEARLE, GARY, US
[73] BECTON, DICKINSON AND COMPANY, US
[86] (2747521)
[87] (2747521)
[22] 2011-07-27
[30] US (61/369,706) 2010-07-31
[30] US (13/190,400) 2011-07-25

[11] **2,747,937**
[13] C

- [51] **Int.Cl. G01N 33/574 (2006.01)**
[25] EN
[54] **BIOMARKERS FOR INHIBITORS WITH ANTI-ANGIOGENIC ACTIVITY**
[54] **BIOMARQUEURS POUR INHIBITEURS AYANT UNE ACTIVITE ANTIANGIOGENIQUE**
[72] BEHRENS, JOYCE, DE
[73] MERCK PATENT GMBH, DE
[85] 2011-06-21
[86] 2009-12-14 (PCT/EP2009/008929)
[87] (WO2010/072348)
[30] EP (08022436.3) 2008-12-23

[11] **2,748,011**
[13] C

- [51] **Int.Cl. C12N 15/09 (2006.01) C12P 21/02 (2006.01) C12Q 1/02 (2006.01)**
[25] EN
[54] **EXPRESSION VECTOR FOR PRODUCING PROTEIN DERIVED FROM FOREIGN GENE IN LARGE QUANTITY USING ANIMAL CELLS, AND USE THEREOF**
[54] **VECTEUR D'EXPRESSION POUR PRODUIRE UNE PROTEINE ISSUE D'UN GENE ETRANGER EN GRANDE QUANTITE A L'AIDE DE CELLULES ANIMALES, ET SON UTILISATION**
[72] TAHARA, HIROSHI, JP
[72] SUZUKI, YUSUKE, JP
[72] YAMAMOTO, KEIICHI, JP
[72] KITAHARA, YUZURU, JP
[72] SUZUKI, YASUHIKO, JP
[73] NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY, JP
[73] FUSO PHARMACEUTICAL INDUSTRIES, LTD., JP
[85] 2011-06-21
[86] 2009-12-22 (PCT/JP2009/071326)
[87] (WO2010/074080)
[30] JP (2008-325690) 2008-12-22

[11] **2,748,282**
[13] C

- [51] **Int.Cl. A61B 3/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MEASURING THE SHAPE AND LOCATION OF AN OBJECT**
[54] **SYSTEMES ET PROCEDES SERVANT A MESURER LA FORME ET L'EMPLACEMENT D'UN OBJET**
[72] CAMPBELL, CHARLES E., US
[72] FARRER, STEPHEN W., US
[72] NEAL, DANIEL R., US
[72] POWERS, WILLIAM S., US
[72] RAYMOND, THOMAS D., US
[72] COPLAND, JAMES, US
[73] AMO WAVEFRONT SCIENCES, LLC, US
[85] 2011-06-23
[86] 2009-12-18 (PCT/US2009/068631)
[87] (WO2010/078070)
[30] US (12/347,909) 2008-12-31

**Canadian Patents Issued
February 26, 2019**

[11] **2,748,496**
[13] C

[51] **Int.Cl. A61K 33/244 (2019.01) A61K 9/00 (2006.01) A61K 47/02 (2006.01) A61K 47/10 (2017.01) A61P 3/00 (2006.01)**

[25] EN

[54] **DISINTEGRABLE FORMULATIONS OF LANTHANUM CARBONATE**

[54] **FORMULATIONS DESINTEGRABLES DE CARBONATE DE LANTHANUM**

[72] WORKS, ANDREA BLUM, US

[72] TWIST, JOHN, US

[72] NOE, OKEY, US

[73] MYLAN INC., US

[85] 2011-06-27

[86] 2010-01-21 (PCT/US2010/021573)

[87] (WO2010/085520)

[30] US (61/146,162) 2009-01-21

[11] **2,748,752**
[13] C

[51] **Int.Cl. D04H 1/732 (2012.01) A61F 13/15 (2006.01) A61F 13/53 (2006.01)**

[25] EN

[54] **ABSORBENT ARTICLE INCLUDING A FORMED FIBROUS ARTICLE**

[54] **ARTICLE ABSORBANT COMPRENANT UN ARTICLE FIBREUX FORME**

[72] ALKMIN, MARCO ANTONIO, BR

[72] BARBOSA, LIVEA FUJITA, BR

[72] CAU, JOSE FRANCISCO, BR

[72] COUTINHO, JOSE MANOEL SOARES, BR

[72] DUARTE, IVAIR LUIZ, BR

[72] FARIA, REINALDO LOURENCO, BR

[72] HERNANDEZ, FRANCISCO J. V., BR

[72] MARTINES, MANUELA LEONEL, BR

[72] RIMOLI, FRANCISCO ANTONIO, BR

[72] NETO, FRANCISCO SAVASTANO, BR

[72] YAMASHITA, ALEXANDRE TEIXEIRA, BR

[73] EDGEWELL PERSONAL CARE CANADA, ULC, CA

[86] (2748752)

[87] (2748752)

[22] 2011-08-11

[30] US (12/855,175) 2010-08-12

[30] US (12/858,619) 2010-08-18

[11] **2,750,358**
[13] C

[51] **Int.Cl. H04L 9/06 (2006.01)**

[25] EN

[54] **CRYPTOGRAPHY CIRCUIT PARTICULARLY PROTECTED AGAINST INFORMATION-LEAK OBSERVATION ATTACKS BY THE CIPHERING THEREOF**

[54] **CIRCUIT DE CRYPTOGRAPHIE, PROTEGE NOTAMMENT CONTRE LES ATTAQUES PAR OBSERVATION DE FUITES D'INFORMATION PAR LEUR CHIFFREMENT**

[72] DANGER, JEAN-LUC, FR

[72] GUILLEY, SYLVAIN, FR

[73] INSTITUT TELECOM-TELECOM PARIS TECH, FR

[85] 2011-07-20

[86] 2010-01-18 (PCT/EP2010/050547)

[87] (WO2010/084107)

[30] FR (0950342) 2009-01-20

[11] **2,750,576**
[13] C

[51] **Int.Cl. C07K 14/335 (2006.01) A61K 38/16 (2006.01) C07K 16/12 (2006.01) C12N 1/15 (2006.01) C12N 1/21 (2006.01) C12N 15/31 (2006.01) G01N 33/48 (2006.01) G01N 33/53 (2006.01)**

[25] EN

[54] **NOVEL PILUS POLYPEPTIDES**

[54] **PILUS POLYPEPTIDES NOVATEURS**

[72] DE VOS, WILLEM MEINDERT, NL

[72] PALVA, AIRI, FI

[72] PALVA, ILKKA, FI

[72] REUNANEN, JUSTUS, FI

[72] VON OSSOWSKI, INGEMAR, FI

[72] SATOKARI, REETTA, FI

[72] VESTERLUND, SATU, FI

[72] KANKAINEN, MATTI, FI

[72] SALUSJAERVI, TUOMAS, FI

[72] TYNKKYNNEN, SOILE, FI

[73] CHR. HANSEN A/S, DK

[85] 2011-07-21

[86] 2010-02-02 (PCT/FI2010/050059)

[87] (WO2010/086512)

[30] FI (20090031) 2009-02-02

[30] US (12/364,128) 2009-02-02

[11] **2,751,181**
[13] C

[51] **Int.Cl. E21B 7/06 (2006.01) E21B 7/08 (2006.01)**

[25] EN

[54] **BENT BEARING ASSEMBLY FOR DOWNHOLE MUD MOTOR**

[54] **DISPOSITIF DE ROULEMENT COURBE POUR MOTEUR A BOUE DE TROU DE FORAGE**

[72] CIOCEANU, NICU, CA

[73] CIOCEANU, NICU, CA

[86] (2751181)

[87] (2751181)

[22] 2011-08-31

[11] **2,751,736**
[13] C

[51] **Int.Cl. C23F 4/04 (2006.01) H05H 1/24 (2006.01)**

[25] EN

[54] **PLASMA SOURCE WITH INTEGRAL BLADE AND METHOD FOR REMOVING MATERIALS FROM SUBSTRATES**

[54] **SOURCE DE PLASMA AVEC LAME INTEGREE ET PROCEDE D'ELIMINATION DE MATERIAUX DE SUBSTRATS**

[72] YANCEY, PETER JOSEPH, US

[72] KINGSLEY, JEFFREY, US

[73] AP SOLUTIONS, INC., US

[85] 2011-08-05

[86] 2010-02-08 (PCT/US2010/023509)

[87] (WO2010/091365)

[30] US (61/150,795) 2009-02-08

**Brevets canadiens délivrés
26 février 2019**

[11] **2,751,918**
[13] C

[51] **Int.Cl. H04L 12/24 (2006.01) H04W 12/06 (2009.01) H04L 9/32 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR RELEASING PRINT JOBS BASED ON LOCATION INFORMATION**
[54] **SYSTEME ET PROCEDE DE LIBERATION DES TRAVAUX D'IMPRESSION BASEE SUR LES DONNEES DE LOCALISATION**
[72] ST.LAURENT, MICHAEL, CA
[72] ONISCHKE, MARK, CA
[72] KUINDERSMA, MICHAEL, CA
[72] KRISHNAMMAGARU, DHARMESH, CA
[72] STAIRS, JONATHAN, CA
[72] NOREIKIS, KEN, US
[73] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US
[86] (2751918)
[87] (2751918)
[22] 2011-09-08
[30] US (12/884,799) 2010-09-17

[11] **2,751,926**
[13] C

[51] **Int.Cl. H04L 12/02 (2006.01) H04L 12/22 (2006.01)**
[25] EN
[54] **MULTI-STAGE POLLING MECHANISM AND SYSTEM FOR THE TRANSMISSION AND PROCESSING CONTROL OF NETWORK RESOURCE DATA**
[54] **MECANISME ET SYSTEME D'INVITATION A EMETTRE MULTI-ETAPES POUR LA COMMANDE DES TRANSMISSIONS ET DU TRAITEMENT DES DONNEES DE RESSOURCES DU RESEAU**
[72] KUINDERSMA, MICHAEL, CA
[72] ST.LAURENT, MICHAEL, CA
[72] ONISCHKE, MARK, CA
[73] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US
[86] (2751926)
[87] (2751926)
[22] 2011-09-08
[30] US (12/884,768) 2010-09-17

[11] **2,752,791**
[13] C

[51] **Int.Cl. C11D 3/386 (2006.01) A47L 15/44 (2006.01) C11D 3/02 (2006.01) C11D 3/20 (2006.01) C11D 17/00 (2006.01) C11D 17/04 (2006.01)**
[25] EN
[54] **CLEANING AGENT**
[54] **AGENT DE NETTOYAGE**
[72] KESSLER, ARND, DE
[72] BASTIGKEIT, THORSTEN, DE
[72] NITSCH, CHRISTIAN, DE
[72] WICK, WOLFGANG, DE
[73] HENKEL AG & CO. KGAA, DE
[85] 2011-08-15
[86] 2010-02-10 (PCT/EP2010/051621)
[87] (WO2010/092066)
[30] DE (10 2009 000 879.9) 2009-02-16

[11] **2,753,089**
[13] C

[51] **Int.Cl. B22D 11/10 (2006.01) B22D 11/117 (2006.01) B22D 21/00 (2006.01)**
[25] FR
[54] **CASTING METHOD FOR ALUMINIUM ALLOYS**
[54] **PROCEDE DE COULEE POUR ALLIAGES D'ALUMINIUM**
[72] BES, GUILLAUME, FR
[72] REY-FLANDRIN ROBERT, FR
[72] RIBAUD, OLIVIER, FR
[72] VERNEDE, STEPHANE, FR
[73] CONSTELLUM ISSOIRE, FR
[85] 2011-08-18
[86] 2010-02-15 (PCT/FR2010/000122)
[87] (WO2010/094852)
[30] FR (09/00780) 2009-02-20
[30] US (61/286,594) 2009-12-15

[11] **2,754,969**
[13] C

[51] **Int.Cl. A61B 5/06 (2006.01) A61B 1/00 (2006.01) A61B 18/14 (2006.01) A61M 25/00 (2006.01) A61N 1/05 (2006.01)**
[25] EN
[54] **CALIBRATION SYSTEM FOR A FORCE-SENSING CATHETER**
[54] **SYSTEME D'ETALONNAGE POUR CATHETER A CAPTEUR DE FORCE**
[72] LUDWIN, DORON, IL
[72] BONYAK, YEVGENY, IL
[72] LEVY, DROR SHLOMO, IL
[73] BIOSENSE WEBSTER (ISRAEL), LTD., IL
[86] (2754969)
[87] (2754969)
[22] 2011-10-07
[30] US (12/899,909) 2010-10-07

[11] **2,755,229**
[13] C

[51] **Int.Cl. G01V 7/02 (2006.01) G01V 11/00 (2006.01)**
[25] EN
[54] **BOREHOLE LOGGING SYSTEM AND METHOD**
[54] **SYSTEMES ET PROCEDE DE DIAGNAPHIE DE Puits DE FORAGE**
[72] SEIGEL, HAROLD, CA
[72] NIND, CHRISTOPHER, CA
[72] MACQUEEN, JEFFREY, CA
[73] SCINTREX LIMITED, CA
[86] (2755229)
[87] (2755229)
[22] 2011-10-14
[30] US (61/393,339) 2010-10-14
[30] US (61/393,717) 2010-10-15

[11] **2,756,412**
[13] C

[51] **Int.Cl. C12N 15/117 (2010.01) A61K 9/72 (2006.01) A61K 39/39 (2006.01) A61P 31/04 (2006.01) A61P 31/10 (2006.01) A61P 31/12 (2006.01) A61P 37/04 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR STIMULATION OF MAMMALIAN INNATE IMMUNE RESISTANCE TO PATHOGENS**
[54] **COMPOSITIONS PERMETTANT DE STIMULER LA RESISTANCE IMMUNITAIRE INNEE DES MAMMIFERES CONTRE LES PATHOGENES**
[72] DICKEY, BURTON, US
[72] TUVIM, MICHAEL, US
[72] EVANS, SCOTT, US
[73] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2011-09-22
[86] 2010-03-25 (PCT/US2010/028658)
[87] (WO2010/111485)
[30] US (61/163,137) 2009-03-25
[30] US (61/179,246) 2009-05-18

**Canadian Patents Issued
February 26, 2019**

[11] **2,756,540**
[13] C

[51] **Int.Cl. A61B 18/14 (2006.01) A61B 18/12 (2006.01) A61M 25/01 (2006.01) A61M 25/14 (2006.01)**

[25] EN

[54] **CATHETER WITH LIQUID-COOLED CONTROL HANDLE**

[54] **CATHETER A POIGNEE DE COMMANDE REFROIDIE PAR LIQUIDE**

[72] JIMENEZ, EDUARDO, US
[72] SCHULTZ, JEFFREY W., US
[72] PLASCENCIA, ROGELIO, JR., US
[72] SOLIS, MARIO, US
[72] TUASON, ARNOLD, US
[72] BEECKLER, CHRISTOPHER, US
[72] GARCIA, ARIEL, US
[72] GOVARI, ASSAF, IL
[72] EPHRATH, YARON, IL
[72] PONZI, DEAN, US
[73] BIOSENSE WEBSTER, INC., US
[86] (2756540)
[87] (2756540)
[22] 2011-11-01
[30] US (12/942,880) 2010-11-09

[11] **2,758,546**
[13] C

[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6809 (2018.01)**

[25] EN

[54] **QUALITY CONTROL BIOASSAYS FOR NUTRICEUTICAL AND MEDICINAL PRODUCTS**

[54] **BIOESSAIS DE CONTROLE QUALITE POUR DES PRODUITS NUTRACEUTIQUES ET MEDICINAUX**

[72] HALPERIN, JOSE A., US
[72] AKTAS, HUSEYIN, US
[73] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2011-10-11
[86] 2010-04-16 (PCT/US2010/031393)
[87] (WO2010/121131)
[30] US (61/170,330) 2009-04-17

[11] **2,759,485**
[13] C

[51] **Int.Cl. A63C 11/06 (2006.01) B24B 3/00 (2006.01)**

[25] EN

[54] **SHARPENER FOR A SNOW TRAVEL MEMBER SUCH AS A SKI OR A SNOWBOARD**

[54] **DISPOSITIF D'AFFUTAGE POUR LES CARRES D'UN SKI OU D'UNE PLANCHE A NEIGE**

[72] FROMMER, THOMAS P., CA
[72] KONTOS, CHRISTOPHER THEODORE, CA
[72] MARCHAND, SHAWN, CA
[72] PLOURDE, MARC R., CA
[72] O'NEILL, AUSTIN, CA
[72] SCHATZ, KURT, CA
[73] MAGNA CLOSURES INC., CA
[86] (2759485)
[87] (2759485)
[22] 2011-11-25
[30] US (61/424,500) 2010-12-17

[11] **2,760,003**
[13] C

[51] **Int.Cl. H05K 7/20 (2006.01)**

[25] EN

[54] **THERMALLY CONDUCTIVE FOAM PRODUCT**

[54] **PRODUIT EN MOUSSE CONDUISANT LA CHALEUR**

[72] BERGIN, JONATHAN, US
[72] SANTA FE, VICTORIA, US
[72] SEVERANCE, CHRISTOPHER, US
[72] ROSA, GARY, US
[73] PARKER HANNIFIN CORPORATION, US
[85] 2011-10-25
[86] 2010-05-05 (PCT/US2010/033684)
[87] (WO2010/129647)
[30] US (61/175,501) 2009-05-05

[11] **2,760,196**
[13] C

[51] **Int.Cl. A61K 38/18 (2006.01) C07K 14/50 (2006.01)**

[25] EN

[54] **FGF21 MUTANTS AND USES THEREOF**

[54] **MUTANTS DE FGF21 ET LEURS UTILISATIONS**

[72] BELOUSKI, EDWARD JOHN, US
[72] ELLISON, MURIELLE MARIE, US
[72] HAMBURGER, AGNES EVA, US
[72] HECHT, RANDY IRA, US
[72] LI, YUE-SHENG, US
[72] MICHAELS, MARK LEO, US
[72] SUN, JEONGHOON, US
[72] XU, JING, US
[73] AMGEN INC., US
[85] 2011-10-26
[86] 2010-05-04 (PCT/US2010/033478)
[87] (WO2010/129503)
[30] US (61/175,736) 2009-05-05
[30] US (61/285,118) 2009-12-09

[11] **2,761,002**
[13] C

[51] **Int.Cl. E21B 21/10 (2006.01) E21B 23/00 (2006.01)**

[25] EN

[54] **DOWNHOLE TOOL**

[54] **OUTIL DE FOND DE TROU**

[72] CHURCHILL, ANDREW, GB
[73] CHURCHILL DRILLING TOOLS LIMITED, GB
[85] 2011-11-04
[86] 2010-05-07 (PCT/GB2010/000899)
[87] (WO2010/128291)
[30] GB (0907786.8) 2009-05-07
[30] GB (0908796.6) 2009-05-21
[30] GB (0910815.0) 2009-06-23

[11] **2,762,201**
[13] C

[51] **Int.Cl. A61M 25/16 (2006.01) A61B 1/018 (2006.01) H01R 4/04 (2006.01)**

[25] EN

[54] **BRAID WITH INTEGRATED SIGNAL CONDUCTORS**

[54] **TRESSE A CONDUCTEURS DE SIGNAUX INTEGRES**

[72] GOVARI, ASSAF, IL
[72] BEECKLER, CHRISTOPHER THOMAS, US
[73] BIOSENSE WEBSTER (ISRAEL), LTD., IL
[86] (2762201)
[87] (2762201)
[22] 2011-12-15
[30] US (12/980,748) 2010-12-29

**Brevets canadiens délivrés
26 février 2019**

[11] **2,762,312**
[13] C

[51] **Int.Cl. H01L 31/0216 (2014.01) C03C 17/245 (2006.01) C08J 7/06 (2006.01) C23C 14/35 (2006.01) C23C 14/58 (2006.01) H01L 31/0224 (2006.01)**

[25] FR

[54] **METHOD FOR DEPOSITING A THIN FILM, AND RESULTING MATERIAL**

[54] **PROCEDE DE DEPOT DE COUCHE MINCE ET PRODUIT OBTENU**

[72] PETER, EMMANUELLE, FR
[72] KHARCHENKO, ANDRIY, FR
[72] NADAUD, NICOLAS, FR
[73] SAINT-GOBAIN GLASS FRANCE, FR

[85] 2011-11-16
[86] 2010-06-04 (PCT/FR2010/051097)
[87] (WO2010/139908)
[30] FR (0953742) 2009-06-05

[11] **2,762,439**
[13] C

[51] **Int.Cl. E21B 43/24 (2006.01) E21B 43/30 (2006.01)**

[25] EN

[54] **IMPROVING RECOVERY FROM A HYDROCARBON RESERVOIR**

[54] **AMELIORATION DE LA RECUPERATION D'UN RESERVOIR D'HYDROCARBURE**

[72] SCOTT, GEORGE R., CA
[72] BACON, RUSSELL M., CA
[73] IMPERIAL OIL RESOURCES LIMITED, CA

[86] (2762439)
[87] (2762439)
[22] 2011-12-16

[11] **2,762,451**
[13] C

[51] **Int.Cl. E21B 43/20 (2006.01) E21B 43/22 (2006.01) E21B 43/24 (2006.01) E21B 43/30 (2006.01) E21B 43/40 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR LIFTING FLUIDS FROM A RESERVOIR**

[54] **METHODE ET SYSTEME DE PRELEVEMENT DE FLUIDES DANS UN RESERVOIR**

[72] BOONE, THOMAS J., CA
[73] IMPERIAL OIL RESOURCES LIMITED, CA

[86] (2762451)
[87] (2762451)
[22] 2011-12-16

[11] **2,762,765**
[13] C

[51] **Int.Cl. F01D 5/14 (2006.01) F01D 5/28 (2006.01)**

[25] EN

[54] **AIRFOIL WITH METAL FOAM CORE AND COMPOSITE SKIN**

[54] **PROFIL AERODYNAMIQUE DOTE D'UNE AME EN MOUSSE ET METAL ET REVETEMENT COMPOSITE**

[72] RICE, EDWARD CLAUDE, US
[73] ROLLS-ROYCE CORPORATION, US

[86] (2762765)
[87] (2762765)
[22] 2011-12-28
[30] US (12/978,860) 2010-12-27

[11] **2,763,466**
[13] C

[51] **Int.Cl. C07K 14/435 (2006.01) A61K 38/17 (2006.01) C07K 14/475 (2006.01) C12N 15/63 (2006.01)**

[25] EN

[54] **FIBROMODULIN PEPTIDE**

[54] **PEPTIDE DE LA FIBROMODULINE**

[72] SOO, B. CHIA, US
[72] TING, KANG, US
[72] ZHENG, ZHONG, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[85] 2011-11-24
[86] 2010-05-26 (PCT/US2010/036262)
[87] (WO2010/138637)
[30] US (61/181,226) 2009-05-26

[11] **2,763,627**
[13] C

[51] **Int.Cl. G06F 17/27 (2006.01)**

[25] EN

[54] **ANALYSIS SYSTEM FOR TEST ARTIFACT GENERATION**

[54] **SYSTEME D'ANALYSE PERMETTANT LA GENERATION D'ARTEFACT D'ESSAI**

[72] SENGUPTA, SHUBHASHIS, IN
[72] DWARAKANATH, ANURAG, IN
[72] RAMNANI, ROSHNI R., IN
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE

[86] (2763627)
[87] (2763627)
[22] 2012-01-10
[30] IN (1370/CHE/2011) 2011-04-21
[30] IN (1613/CHE/2011) 2011-05-10

[11] **2,764,390**
[13] C

[51] **Int.Cl. G01D 1/14 (2006.01) G07C 3/08 (2006.01)**

[25] EN

[54] **GENERATING TEST DATA**

[54] **GENERATION DE DONNEES D'ESSAI**

[72] FEYNMAN, CARL RICHARD, US
[73] AB INITIO TECHNOLOGY LLC, US

[85] 2011-12-01
[86] 2010-06-09 (PCT/US2010/038018)
[87] (WO2010/144608)
[30] US (61/185,797) 2009-06-10

Canadian Patents Issued
February 26, 2019

[11] **2,764,612**
[13] C

[51] **Int.Cl. F03D 7/02 (2006.01) F16F 15/00 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR DETERMINING A PITCH ANGLE OFFSET SIGNAL AND FOR CONTROLLING A ROTOR FREQUENCY OF A ROTOR OF A WIND TURBINE FOR SPEED AVOIDANCE CONTROL**

[54] **PROCEDES ET SYSTEMES SERVANT A DETERMINER UN SIGNAL DE COMPENSATION D'ANGLE DE PAS ET A REGULER LA FREQUENCE DU ROTOR DUNE EOLIENNE POUR EMPECHER CELLE-CI D'ATTEINDRE SA VITESSE CRITIQUE**

[72] ESBENSEN, THOMAS, DK
[72] HOEGH, GUSTAV, DK
[73] SIEMENS AKTIENGESSELLSCHAFT, DE

[86] (2764612)
[87] (2764612)
[22] 2012-01-20
[30] EP (11151812) 2011-01-24

[11] **2,764,649**
[13] C

[51] **Int.Cl. C07K 14/705 (2006.01)**

[25] EN

[54] **MULTIMERIC POLYPEPTIDES OF HLA-G INCLUDING ALPHA1-ALPHA3 MONOMERS AND PHARMACEUTICAL USES THEREOF**

[54] **POLYPEPTIDES MULTIMERES DE HLA-G COMPRENANT DES MONOMERES ALPHA1-ALPHA3 ET LEURS UTILISATIONS PHARMACEUTIQUES**

[72] LE MAOULT, JOEL, FR
[72] CAROSELLA, EDGARDO DELFINO, FR
[73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR

[85] 2011-12-06
[86] 2010-06-25 (PCT/IB2010/052920)
[87] (WO2010/150235)
[30] IB (PCT/IB2009/006491) 2009-06-25

[11] **2,764,775**
[13] C

[51] **Int.Cl. C12Q 1/37 (2006.01) C12N 9/66 (2006.01) G01N 33/52 (2006.01)**

[25] EN

[54] **RAPID BED-SIDE MEASUREMENT OF NEUTROPHIL ELASTASE ACTIVITY IN BIOLOGICAL FLUIDS**

[54] **MESURE RAPIDE AU LIT DU MALADE DE L'ACTIVITE ELASTASIQUE DES NEUTROPHILES DANS DES LIQUIDES BIOLOGIQUES**

[72] SCHULTZ, GREGORY S., US
[72] GIBSON, DANIEL J., US
[73] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US

[85] 2011-12-07
[86] 2010-06-28 (PCT/US2010/040215)
[87] (WO2010/151878)
[30] US (61/220,866) 2009-06-26

[11] **2,765,406**
[13] C

[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6844 (2018.01) C12Q 1/6848 (2018.01) C12Q 1/6853 (2018.01) C12Q 1/6888 (2018.01) C12Q 1/689 (2018.01) C12P 19/34 (2006.01)**

[25] EN

[54] **STEM ACCELERATED ISOTHERMAL NUCLEIC ACID AMPLIFICATION TECHNOLOGY**

[54] **TECHNIQUE D'AMPLIFICATION ISOTHERME D'ACIDES NUCLEIQUES ACCELEREE PAR DES AMORCES EN TIGE**

[72] TISI, LAURENCE CARLO, GB
[72] GANDELMANN, OLGA, GB
[72] KIDDLE, GUY, GB
[72] MCELGUNN, CATHAL JOSEPH, GB
[73] LUMORA LTD, GB

[85] 2011-12-14
[86] 2010-06-15 (PCT/GB2010/001169)
[87] (WO2010/146349)
[30] GB (0910302.9) 2009-06-15

[11] **2,765,884**
[13] C

[51] **Int.Cl. D03D 29/00 (2006.01) D04B 3/00 (2006.01)**

[25] EN

[54] **MODULAR ADJUSTABLE FRAME HAND LOOM**

[54] **METIER MANUEL A CADRE REGLABLE MODULAIRE**

[72] SCHAUB, RENE, US
[73] SCHAUB, RENE, US

[85] 2011-12-16
[86] 2011-04-20 (PCT/US2011/033214)
[87] (WO2011/133649)
[30] US (61/327,353) 2010-04-23
[30] US (13/086,051) 2011-04-13

[11] **2,766,759**
[13] C

[51] **Int.Cl. B60C 23/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR MONITORING TIRE CONDITION**

[54] **SYSTEME ET PROCEDE DE SURVEILLANCE DE L'ETAT D'UN PNEU**

[72] FRASHURE, TIMOTHY J., US
[72] LAMMERS, SHAWN D., CA
[72] AMATO, WILLIAM P., US
[73] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US

[86] (2766759)
[87] (2766759)
[22] 2012-02-03
[30] US (13/037,786) 2011-03-01

**Brevets canadiens délivrés
26 février 2019**

[11] **2,766,914**
[13] C

- [51] **Int.Cl. G06N 5/02 (2006.01)**
[25] EN
[54] **MINING ASSOCIATION RULES IN PLANT AND ANIMAL DATA SETS AND UTILIZING FEATURES FOR CLASSIFICATION OR PREDICTION**
[54] **EXTRACTION DES REGLES D'ASSOCIATION DANS LES ENSEMBLES DE DONNEES DE VEGETAUX ET D'ANIMAUX ET UTILISATION DES FONCTIONNALITES DE CLASSEMENT OU PREDICTION**
[72] CARAVIELLO, DANIEL, US
[72] PATEL, RINKAL, US
[72] PAI, REETAL, US
[73] DOW AGROSCIENCES LLC, US
[85] 2011-12-28
[86] 2010-06-03 (PCT/US2010/037211)
[87] (WO2011/008361)
[30] US (61/221,804) 2009-06-30

[11] **2,766,982**
[13] C

- [51] **Int.Cl. G06K 9/78 (2006.01) G06T 7/10 (2017.01) A01D 34/00 (2006.01)**
[25] EN
[54] **VISUAL SEGMENTATION OF LAWN GRASS**
[54] **SEGMENTATION VISUELLE DE GAZON**
[72] SCHEPELMANN, ALEXANDER, US
[72] DALTORIO, KATHRYN A., US
[72] ROLIN, AMAURY D., US
[72] BENO, JONATHAN, US
[72] HUGHES, BRADLEY E., US
[72] GREEN, JAMES M., US
[72] BRANICKY, MICHAEL S., US
[72] QUINN, ROGER D., US
[72] SNOW, HENRY H., US
[72] MERAT, FRANK L., US
[72] HUDSON, RICHARD E., US
[73] MTD PRODUCTS INC, US
[73] CASE WESTERN RESERVE UNIVERSITY, US
[85] 2011-12-29
[86] 2010-07-01 (PCT/US2010/001881)
[87] (WO2011/002512)
[30] US (61/269,962) 2009-07-01
[30] US (61/339,868) 2010-03-10
[30] US (61/355,935) 2010-06-17

[11] **2,768,888**
[13] C

- [51] **Int.Cl. C07K 16/30 (2006.01)**
[25] EN
[54] **MUC1 ANTIBODIES**
[54] **ANTICORPS MUC1**
[72] GOLETZ, STEFFEN, DE
[72] DANIELCZYK, ANTJE, DE
[72] STAHN, RENATE, DE
[72] KARSTEN, UWE, DE
[73] GLYCOTOPE GMBH, DE
[85] 2012-01-23
[86] 2010-07-30 (PCT/EP2010/004663)
[87] (WO2011/012309)
[30] EP (09009942.5) 2009-07-31
[30] US (61/230,211) 2009-07-31

[11] **2,769,237**
[13] C

- [51] **Int.Cl. G01R 31/08 (2006.01) H02H 7/26 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MONITORING A CABLE SYSTEM OF AN ELECTRIC POWER TRANSMISSION SYSTEM**
[54] **PROCEDE ET SYSTEME PERMETTANT DE SURVEILLER UN SYSTEME DE CABLES D'UN SYSTEME DE TRANSMISSION D'ENERGIE ELECTRIQUE**
[72] SALES CASALS, LLUIS-RAMON, IT
[72] DEL RIO FERNANDEZ, JOAQUIN, ES
[72] LARA, RAFAEL, ES
[72] MANUEL LAZARO, ANTONIO, ES
[73] PRYSMIAN S.P.A., IT
[85] 2012-01-26
[86] 2009-07-30 (PCT/EP2009/005520)
[87] (WO2011/012146)

[11] **2,769,954**
[13] C

- [51] **Int.Cl. B29C 45/73 (2006.01)**
[25] EN
[54] **PREFORM CAVITY INSERT COOLING**
[54] **DISPOSITIF DE REFROIDISSEMENT PAR INSERTION D'UNE CAVITE DE PREFORME**
[72] LAUSENHAMMER, MANFRED, DE
[73] MOLD-MASTERS (2007) LIMITED, CA
[86] (2769954)
[87] (2769954)
[22] 2012-02-28
[30] US (13/036,051) 2011-02-28

[11] **2,770,607**
[13] C

- [51] **Int.Cl. C12N 9/34 (2006.01) C13K 1/06 (2006.01)**
[25] EN
[54] **VARIANTS OF GLUCOAMYLASE**
[54] **VARIANTS DE GLUCOAMYLASE**
[72] DEGN, PETER EDVARD, DK
[72] BOTT, RICHARD, US
[72] VROEMEN, CASPER WILLEM, NL
[72] SCHEFFERS, MARTIJN SILVAN, NL
[72] AEHLE, WOLFGANG, DE
[73] DANISCO US INC., US
[73] DUPONT NUTRITION BIOSCIENCES APS, DK
[85] 2012-02-09
[86] 2010-08-18 (PCT/EP2010/062035)
[87] (WO2011/020852)
[30] US (61/235,140) 2009-08-19
[30] US (61/360,891) 2010-07-01
[30] DK (PA 2010 70337) 2010-07-15

[11] **2,771,110**
[13] C

- [51] **Int.Cl. A61K 38/17 (2006.01) A61K 38/16 (2006.01) A61P 13/10 (2006.01)**
[25] EN
[54] **PRG4 TREATMENT FOR INTERSTITIAL CYSTITIS**
[54] **TRAITEMENT DE PRG4 POUR CYSTITITE INTERSTITIELLE**
[72] SULLIVAN, BENJAMIN DAVID, US
[72] TRUITT, EDWARD R., III, US
[73] LUBRIS, LLC, US
[85] 2012-02-13
[86] 2010-08-12 (PCT/US2010/045382)
[87] (WO2011/019963)
[30] US (61/233,810) 2009-08-13

**Canadian Patents Issued
February 26, 2019**

[11] **2,771,730**
[13] C

[51] **Int.Cl. H02H 7/26 (2006.01) F03D 7/00 (2006.01) H02J 3/38 (2006.01)**

[25] EN

[54] **METHOD AND ARRANGEMENT FOR CONTROLLING AN OPERATION OF AN ELECTRIC ENERGY PRODUCTION FACILITY DURING A DISCONNECTION TO A UTILITY GRID**

[54] **PROCEDE ET DISPOSITIF POUR LA COMMANDE D'UNE INSTALLATION DE PRODUCTION D'ENERGIE ELECTRIQUE PENDANT UN DEBRANCHEMENT DU RESEAU**

[72] BECH, JOHN, DK

[72] MADSEN, KNUD DAM HAGEMAN, DK

[73] SIEMENS AKTIENGESELLSCHAFT, DE

[86] (2771730)

[87] (2771730)

[22] 2012-03-19

[30] EP (11158992) 2011-03-21

[11] **2,771,830**
[13] C

[51] **Int.Cl. G01N 33/497 (2006.01) A61B 5/097 (2006.01) G01N 1/34 (2006.01) H01J 49/04 (2006.01)**

[25] EN

[54] **DRUG DETECTION IN EXHALED BREATH**

[54] **DETECTION DE DROGUE DANS L'AIR EXPIRE**

[72] PALMSKOG, GOERAN, SE

[72] BECK, OLOF, SE

[73] SENSABUES AB, SE

[85] 2012-02-22

[86] 2010-09-09 (PCT/EP2010/063266)

[87] (WO2011/029889)

[30] US (61/240,752) 2009-09-09

[11] **2,772,767**
[13] C

[51] **Int.Cl. C07K 7/06 (2006.01) A61K 51/08 (2006.01) C07K 1/13 (2006.01) C07K 7/00 (2006.01)**

[25] EN

[54] **COMPOUND ACCUMULATING IN INFLAMMATORY SITE, DIAGNOSTIC AGENT CONTAINING THE COMPOUND IN LABELED STATE AND ITS PRECURSOR COMPOUND FOR LABELING**

[54] **COMPOSE S'ACCUMULANT SUR UN SITE INFLAMMATOIRE, AGENT DE DIAGNOSTIC CONTENANT CE COMPOSE DANS UN ETAT MARQUE ET SON COMPOSE PRECURSEUR POUR LE MARQUAGE**

[72] SAJI, HIDEO, JP

[72] KIMURA, HIROYUKI, JP

[72] ONO, MASAHIRO, JP

[72] SEKI, IKUYA, JP

[73] KYOTO UNIVERSITY, JP

[73] NIHON MEDI-PHYSICS CO., LTD., JP

[86] (2772767)

[87] (2772767)

[22] 2012-03-28

[30] JP (JPA2011-90476) 2011-03-30

[11] **2,773,862**
[13] C

[51] **Int.Cl. E04F 21/20 (2006.01)**

[25] EN

[54] **A MECHANICAL SPACING APPARATUS**

[54] **DISPOSITIF D'ESPACEMENT MECANIQUE**

[72] FUNK, WILLIAM E., CA

[73] FUNK, WILLIAM E., CA

[86] (2773862)

[87] (2773862)

[22] 2012-04-10

[11] **2,774,533**
[13] C

[51] **Int.Cl. G01N 35/02 (2006.01) C12M 1/38 (2006.01) C12Q 1/04 (2006.01) C12Q 1/06 (2006.01)**

[25] EN

[54] **SYSTEM FOR CONDUCTING THE IDENTIFICATION OF BACTERIA IN BIOLOGICAL SAMPLES**

[54] **SYSTEME POUR CONDUIRE L'IDENTIFICATION DE BACTERIES DANS DES ECHANTILLONS BIOLOGIQUES**

[72] INGBER, GAL, IL

[72] ATTERBURY, WILLIAM G., US

[72] HOLLEY, DAVE, US

[72] KLAUSING, THOMAS A., US

[72] LAUDO, JOHN S., US

[72] SCHAEFER, JASON A., US

[72] TALBERT, SHERWOOD, US

[72] TALLARICO, JOHN, US

[73] POCARED DIAGNOSTICS LTD., IL

[85] 2012-03-15

[86] 2010-09-21 (PCT/US2010/049658)

[87] (WO2011/035304)

[30] US (61/244,118) 2009-09-21

[30] US (12/885,993) 2010-09-20

[11] **2,774,588**
[13] C

[51] **Int.Cl. A47L 9/00 (2006.01) A47L 5/36 (2006.01) B62B 3/00 (2006.01)**

[25] EN

[54] **PORTABLE CLEANER WITH AXLE MOUNT**

[54] **NETTOYEUR PORTATIF AVEC AXE D'ASSEMBLAGE**

[72] MARTINEZ, DAVID, US

[73] SHOP VAC CORPORATION, US

[86] (2774588)

[87] (2774588)

[22] 2012-04-17

[30] US (13/178,231) 2011-07-07

**Brevets canadiens délivrés
26 février 2019**

[11] **2,775,206**
[13] C

[51] **Int.Cl. H04L 12/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF HANDLING REQUESTS IN A MULTI-HOMED REVERSE PROXY**

[54] **SYSTEME ET METHODE DE TRAITEMENT DES DEMANDES DANS UN SERVEUR MANDATAIRE INVERSE A RATTACHEMENTS MULTIPLES**

[72] WOELFEL, JOHN HAROLD, CA
[73] SYMANTEC CORPORATION, US
[86] (2775206)
[87] (2775206)
[22] 2012-04-19
[30] US (61/479,634) 2011-04-27

[11] **2,775,941**
[13] C

[51] **Int.Cl. G02C 7/02 (2006.01)**
[25] FR
[54] **METHOD FOR DETERMINING, OPTIMISING AND PRODUCING AN OPHTHALMIC LENS AND SET OF OPHTHALMIC LENSES**

[54] **PROCEDE DE DETERMINATION, D'OPTIMISATION ET DE FABRICATION D'UNE LENTILLE OPHTHALMIQUE ET ENSEMBLE DE LENTILLES OPHTHALMIQUES**

[72] GUILLOUX, CYRIL, FR
[72] MOUSSET, SOAZIC, FR
[72] POULAIN, ISABELLE, FR
[73] ESSILOR INTERNATIONAL, FR
[85] 2012-03-28
[86] 2010-09-29 (PCT/IB2010/054392)
[87] (WO2011/039712)
[30] FR (09 04 681) 2009-10-01

[11] **2,777,234**
[13] C

[51] **Int.Cl. C08G 64/04 (2006.01) C08G 18/38 (2006.01)**
[25] EN
[54] **BIOCOMPATIBLE POLYMERS FOR MEDICAL DEVICES**

[54] **POLYMERES BIOCOMPATIBLES POUR DISPOSITIFS MEDICAUX**

[72] KOHN, JOACHIM, US
[72] BOLIKAL, DURGADAS, US
[73] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US
[85] 2012-04-10
[86] 2010-10-11 (PCT/US2010/052208)
[87] (WO2011/044567)
[30] US (61/250,550) 2009-10-11

[11] **2,777,954**
[13] C

[51] **Int.Cl. A01K 47/06 (2006.01) A01K 51/00 (2006.01)**
[25] EN
[54] **POLLEN BEE NEST**

[54] **NID D'ABEILLES POLINISATRICES**

[72] WEEDEN, ROBERT GEORGE, CA
[73] WEEDEN, ROBERT GEORGE, CA
[86] (2777954)
[87] (2777954)
[22] 2012-05-25
[30] US (13/116,057) 2011-05-26

[11] **2,778,112**
[13] C

[51] **Int.Cl. C07K 16/24 (2006.01) A61K 39/395 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **HUMAN IL-23 ANTIGEN BINDING PROTEINS**

[54] **PROTEINES DE LIAISON A L'ANTIGENE DE L'IL-23 HUMAINE**

[72] TOWNE, JENNIFER E., US
[72] CHENG, JANET D., US
[72] O'NEILL, JASON C., US
[72] ZHANG, YU, US
[72] SUN, YU, US
[72] CERNE, HEATHER, US
[72] PIPER, DEREK E., US
[72] KETCHEM, RANDAL R., US
[73] AMGEN INC., US
[85] 2012-04-18
[86] 2010-10-26 (PCT/US2010/054148)
[87] (WO2011/056600)
[30] US (61/254,982) 2009-10-26
[30] US (61/381,287) 2010-09-09

[11] **2,778,207**
[13] C

[51] **Int.Cl. H01L 21/677 (2006.01) H01L 31/18 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR TREATING A SUBSTRATE SURFACE OF A SUBSTRATE**

[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT DE LA SURFACE D'UN SUBSTRAT**

[72] SCHMID, CHRISTIAN, DE
[73] GEBR. SCHMID GMBH, DE
[85] 2012-04-18
[86] 2010-07-28 (PCT/EP2010/060985)
[87] (WO2011/047894)
[30] DE (10 2009 050 845.7) 2009-10-19

[11] **2,779,557**
[13] C

[51] **Int.Cl. G02C 7/02 (2006.01)**
[25] EN
[54] **A METHOD FOR PROVIDING A SPECTACLE OPHTHALMIC LENS BY CALCULATING OR SELECTING A DESIGN**

[54] **PROCEDE POUR PRODUIRE UNE LENTILLE OPHTHALMOLOGIQUE POUR LUNETTES PAR CALCUL OU SELECTION D'UNE CONFIGURATION**

[72] MARIN, GILDAS, FR
[72] HERNANDEZ, MARTHA, FR
[72] BONNIN, THIERRY, FR
[73] ESSILOR INTERNATIONAL, FR
[85] 2012-05-01
[86] 2010-11-15 (PCT/EP2010/067498)
[87] (WO2011/058177)
[30] EP (09306095.2) 2009-11-13

[11] **2,780,118**
[13] C

[51] **Int.Cl. C02F 3/34 (2006.01) C02F 3/00 (2006.01) C12M 1/12 (2006.01)**
[25] EN
[54] **METHODS, COMPOSITIONS AND SYSTEMS FOR CONTROLLING FOULING OF A MEMBRANE**

[54] **PROCEDES, COMPOSITIONS ET SYSTEMES POUR CONTROLER LE SALISSEMENT D'UNE MEMBRANE**

[72] DRAHOS, DAVID, US
[72] PETERSEN, SVEND, DK
[73] NOVOZYMES BIOLOGICALS, INC., US
[85] 2012-05-04
[86] 2010-11-09 (PCT/US2010/055984)
[87] (WO2011/059963)
[30] US (61/259,936) 2009-11-10
[30] US (61/369,801) 2010-08-02

Canadian Patents Issued
February 26, 2019

[11] **2,780,608**
[13] C
[51] **Int.Cl. A61B 18/14 (2006.01)**
[25] EN
[54] **SYSTEMS, APPARATUSES, AND METHODS FOR TREATING TISSUE AND CONTROLLING STENOSIS**
[54] **SYSTEMES, APPAREILS ET PROCEDES POUR TRAITER UN TISSU ET CONTROLER UNE STENOSE**
[72] DIMMER, STEVEN C., US
[72] MAYSE, MARTIN L., US
[72] DEEM, MARK, US
[72] GIFFORD, HANSON S., III, US
[73] NUVAIRA, INC., US
[85] 2012-05-10
[86] 2010-11-11 (PCT/US2010/056424)
[87] (WO2011/060200)
[30] US (61/260,349) 2009-11-11

[11] **2,782,280**
[13] C
[51] **Int.Cl. A61K 31/513 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 43/00 (2006.01) C07D 239/54 (2006.01) C07D 405/12 (2006.01)**
[25] EN
[54] **ANTI-TUMOR EFFECT POTENTIATOR**
[54] **POTENTIALISATEUR D'EFFET ANTICANCEREUX**
[72] FUKUOKA, MASAYOSHI, JP
[72] YOKOGAWA, TATSUSHI, JP
[72] MIYAHARA, SEIJI, JP
[72] MIYAKOSHI, HITOSHI, JP
[72] YANO, WAKAKO, JP
[72] TAGUCHI, JUNKO, JP
[72] TAKAO, YAYOI, JP
[73] TAIHO PHARMACEUTICAL CO., LTD., JP
[85] 2012-05-29
[86] 2010-11-29 (PCT/JP2010/071280)
[87] (WO2011/065541)
[30] JP (2009-272738) 2009-11-30

[11] **2,782,316**
[13] C
[51] **Int.Cl. B65G 67/04 (2006.01) A01C 7/08 (2006.01) A01D 90/02 (2006.01) A01D 90/10 (2006.01) B60P 1/00 (2006.01)**
[25] EN
[54] **MATERIAL TRANSFER SYSTEM**
[54] **SYSTEME DE TRANSFERT DE MATERIEL**
[72] ANDERSON, NOEL W., US
[73] DEERE & COMPANY, US
[86] (2782316)
[87] (2782316)
[22] 2012-07-06
[30] US (13/186,963) 2011-07-20

[11] **2,782,639**
[13] C
[51] **Int.Cl. A61K 39/40 (2006.01) C07K 16/12 (2006.01)**
[25] EN
[54] **THERAPIES FOR PREVENTING OR SUPPRESSING CLOSTRIDIUM DIFFICILE INFECTION**
[54] **THERAPIES DE PREVENTION OU DE SUPPRESSION D'INFECTION PAR CLOSTRIDIUM DIFFICILE**
[72] SHONE, CLIFFORD, GB
[72] ROBERTS, APRIL, GB
[72] LANDON, JOHN, GB
[73] MICROPHARM LIMITED, GB
[73] SECRETARY OF STATE FOR HEALTH, GB
[85] 2012-06-01
[86] 2010-12-06 (PCT/GB2010/052035)
[87] (WO2011/067616)
[30] GB (0921288.7) 2009-12-04
[30] GB (PCT/GB2010/050288) 2010-02-19

[11] **2,782,767**
[13] C
[51] **Int.Cl. A47F 1/04 (2006.01)**
[25] EN
[54] **DISPENSER FOR CONTAINERS**
[54] **DISTRIBUTEUR DE CONTENANTS**
[72] ATTREE, JULIAN, CA
[72] TEPIC, MARINKO, CA
[73] MINUS FORTY HOLDINGS CORP., CA
[86] (2782767)
[87] (2782767)
[22] 2012-07-06
[30] US (61/505,761) 2011-07-08

[11] **2,783,431**
[13] C
[51] **Int.Cl. F16L 41/00 (2006.01) F16B 7/08 (2006.01) F16L 41/08 (2006.01) F16L 47/26 (2006.01) F16L 47/28 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR COUPLING PIPE WITH ANGLED COUPLING MECHANISM**
[54] **SYSTEMES ET METHODES DE RACCORDEMENT DE CONDUITES AVEC MECANISME DE CONNEXION A ANGLE**
[72] FICKER, JAMES JOSEPH, US
[72] VANHOOSE, BILL RUSSELL, US
[72] ATCHISON, OWEN MICHAEL, US
[72] PIAZZA, NICHOLAS JAMES, US
[72] WARDEN, JEFFREY ALAN, US
[73] ADVANCED DRAINAGE SYSTEMS, INC., US
[86] (2783431)
[87] (2783431)
[22] 2012-07-20
[30] US (61/510,950) 2011-07-22

[11] **2,783,462**
[13] C
[51] **Int.Cl. A62B 25/00 (2006.01) A62B 7/14 (2006.01) B64D 11/00 (2006.01)**
[25] EN
[54] **CONTAINER FOR A SUPPLY UNIT, OXYGEN SUPPLY DEVICE AND PASSENGER SUPPLY UNIT AND SYSTEM OF AN ARRANGEMENT OF A NUMBER OF CONTAINERS**
[54] **CONTENANT POUR MODULE D'ALIMENTATION, DISPOSITIF D'ALIMENTATION EN OXYGENE, MODULE D'ALIMENTATION POUR PASSAGER ET SYSTEME COMPORTANT UN ARRANGEMENT DE PLUSIEURS CONTENANTS**
[72] BOOMGAARDEN, GUENTER, DE
[72] NIEDOSTATEK, MARK, DE
[72] RITTNER, WOLFGANG, DE
[72] WEINMANN, HASSO, DE
[72] MECKES, RUEDIGER, DE
[73] ZODIAC AEROTECHNICS, FR
[86] (2783462)
[87] (2783462)
[22] 2012-07-20
[30] EP (11 175 262.2) 2011-07-25

**Brevets canadiens délivrés
26 février 2019**

[11] **2,784,278**
[13] C

[51] **Int.Cl. C07K 1/22 (2006.01) C07K 16/00 (2006.01)**
[25] EN
[54] **WASH SOLUTION AND METHOD FOR AFFINITY CHROMATOGRAPHY**
[54] **SOLUTION DE LAVAGE ET PROCEDE POUR CHROMATOGRAPHIE D'AFFINITE**
[72] FRAUENSCHUH, ACHIM, CH
[72] BILL, KURT, CH
[73] NOVARTIS AG, CH
[85] 2012-06-12
[86] 2010-12-17 (PCT/EP2010/070076)
[87] (WO2011/073389)
[30] US (61/288,059) 2009-12-18

[11] **2,784,389**
[13] C

[51] **Int.Cl. H04W 64/00 (2009.01) H04B 7/26 (2006.01)**
[25] EN
[54] **LOCATION DETECTION IN A WIRELESS NETWORK**
[54] **DETECTION D'EMPLACEMENT DANS UN RESEAU SANS FIL**
[72] NIXON, MARK, US
[72] KARSCHNIA, ROBERT, US
[72] ROTVOLD, ERIC, US
[72] SCHLIESS, TREVOR DUNCAN, US
[72] CHEN, DEJI, US
[73] ROSEMOUNT INC., US
[85] 2012-05-07
[86] 2010-11-04 (PCT/US2010/002894)
[87] (WO2011/056218)
[30] US (12/614,127) 2009-11-06

[11] **2,785,616**
[13] C

[51] **Int.Cl. C10L 1/14 (2006.01)**
[25] EN
[54] **PROTECTION OF LIQUID FUELS**
[54] **PROTECTION DE COMBUSTIBLES LIQUIDES**
[72] MARTIN, DAVID WILLIAM, GB
[72] POSSELT, DIETMAR, DE
[72] OETTER, GUENTER, DE
[72] KIEFER, MATTHIAS, DE
[73] PALOX LIMITED, CY
[85] 2012-06-26
[86] 2011-02-07 (PCT/GB2011/050206)
[87] (WO2011/095825)
[30] GB (1001923.0) 2010-02-05

[11] **2,785,833**
[13] C

[51] **Int.Cl. H04N 5/44 (2011.01) H04W 48/00 (2009.01) H04L 12/18 (2006.01) H04N 5/00 (2011.01) H04N 7/24 (2011.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING MEDIA GUIDANCE APPLICATION FUNCTIONALITY USING A WIRELESS COMMUNICATIONS DEVICE**
[54] **SYSTEMES ET PROCEDES POUR PROCURER UNE FONCTION D'APPLICATION DE GUIDAGE MULTIMEDIA EN UTILISANT UN DISPOSITIF DE COMMUNICATIONS SANS FIL**
[72] TAM, TERRY, CN
[72] SO, JERRY, CN
[72] WONG, DICK, CN
[72] WONG, KA CHUN, CN
[72] CHUNG, DAVID, US
[72] TSUI, JASON, CN
[73] ROVI GUIDES, INC., US
[85] 2012-06-27
[86] 2011-01-04 (PCT/US2011/020112)
[87] (WO2011/084950)
[30] US (12/652,571) 2010-01-05
[30] US (12/652,572) 2010-01-05
[30] US (12/652,569) 2010-01-05

[11] **2,786,234**
[13] C

[51] **Int.Cl. A63B 27/00 (2006.01)**
[25] EN
[54] **POLE CLIMBING FALL PREVENTION ASSEMBLY**
[54] **ENSEMBLE DE PREVENTION DES CHUTES LORS DE L'ESCALADE D'UN MAT**
[72] PETTY, CLIFFORD D., US
[72] PERNER, JUDD J., US
[72] SCHLANGEN, DAVID A., US
[73] D B INDUSTRIES, LLC, US
[85] 2012-06-29
[86] 2011-03-07 (PCT/US2011/027413)
[87] (WO2011/112517)
[30] US (61/311,318) 2010-03-06
[30] US (61/382,565) 2010-09-14
[30] US (13/032,331) 2011-02-22

[11] **2,786,355**
[13] C

[51] **Int.Cl. G06Q 10/00 (2012.01) G11C 15/00 (2006.01)**
[25] EN
[54] **ASSOCIATIVE MEMORY TECHNOLOGY FOR ANALYSIS OF REQUESTS FOR PROPOSAL**
[54] **TECHNOLOGIE DE MEMOIRE ASSOCIATIVE POUR L'ANALYSE DE DEMANDES DE PROPOSITION**
[72] ARNOLD, WILLIAM G., US
[72] WARN, BRIAN, US
[72] WHELAN, JOHN, US
[72] FLORES, JAIME ANTONIO, JR., US
[73] THE BOEING COMPANY, US
[86] (2786355)
[87] (2786355)
[22] 2012-08-14
[30] US (13/277,771) 2011-10-20

[11] **2,786,959**
[13] C

[51] **Int.Cl. A47J 31/44 (2006.01) A47J 31/36 (2006.01)**
[25] EN
[54] **BEVERAGE MACHINE WITH REMOVABLE LIQUID SUPPLY RESERVOIR**
[54] **MACHINE A BOISSON COMPRENANT UN RESERVOIR AMOVIBLE D'APPROVISIONNEMENT EN LIQUIDE**
[72] MOERI, PETER, CH
[72] GAVILLET, GILLES, CH
[73] NESTEC S.A., CH
[85] 2012-07-12
[86] 2011-01-21 (PCT/EP2011/050812)
[87] (WO2011/089210)
[30] EP (10151317.4) 2010-01-21

**Canadian Patents Issued
February 26, 2019**

[11] **2,787,594**
[13] C

[51] **Int.Cl. A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/11 (2006.01) C12N 15/82 (2006.01) C12N 15/90 (2006.01)**

[25] EN

[54] **ENGINEERED LANDING PADS FOR GENE TARGETING IN PLANTS**

[54] **SITES D'ENTREE GENETIQUEMENT MODIFIES POUR CIBLAGE DE GENES DANS DES PLANTES**

[72] AINLEY, WILLIAM MICHAEL, US

[72] BLUE, RYAN C., US

[72] MURRAY, MICHAEL G., US

[72] CORBIN, DAVID RICHARD, US

[72] MILES, REBECCA RUTH, US

[72] WEBB, STEVEN R., US

[73] DOW AGROSCIENCES LLC, US

[85] 2012-07-19

[86] 2011-01-21 (PCT/US2011/022145)

[87] (WO2011/091317)

[30] US (61/297,641) 2010-01-22

[11] **2,788,279**
[13] C

[51] **Int.Cl. A47L 9/00 (2006.01) A47L 7/00 (2006.01) B60R 11/00 (2006.01)**

[25] EN

[54] **VACUUM CLEANER WITH NOISE REDUCTION RECESSES**

[54] **ASPIRATEUR MUNI DE SECTIONS EN RETRAIT PERMETTANT DE REDUIRE LE BRUIT**

[72] NORELL, NEIL N., US

[72] YURKO, MICHAEL Z., US

[73] SHOP VAC CORPORATION, US

[86] (2788279)

[87] (2788279)

[22] 2012-08-29

[30] US (13/450,068) 2012-04-18

[11] **2,788,469**
[13] C

[51] **Int.Cl. B01J 19/32 (2006.01) C01B 3/34 (2006.01) C01B 3/38 (2006.01)**

[25] FR

[54] **REACTOR EXCHANGER FOR THE PRODUCTION OF HYDROGEN WITH BUILT-IN STEAM GENERATION BEAM**

[54] **REACTEUR ECHANGEUR POUR LA PRODUCTION D'HYDROGENE AVEC FAISCEAU DE GENERATION VAPEUR INTEGRE**

[72] BOYER, CHRISTOPHE, FR

[72] GIROUDIERE, FABRICE, FR

[73] IFP ENERGIES NOUVELLES, FR

[86] (2788469)

[87] (2788469)

[22] 2012-08-21

[30] FR (11 02 602) 2011-08-26

[11] **2,788,678**
[13] C

[51] **Int.Cl. A61K 31/4985 (2006.01) A61K 31/522 (2006.01) A61K 31/5383 (2006.01) A61P 35/00 (2006.01) G01N 33/48 (2006.01)**

[25] EN

[54] **IDENTIFICATION OF LKB1 MUTATION AS A PREDICTIVE BIOMARKER FOR SENSITIVITY TO TOR KINASE INHIBITORS**

[54] **IDENTIFICATION D'UNE MUTATION LKB1 COMME BIOMARQUEUR DE PREDICTION DE SENSIBILITE A DES INHIBITEURS DE KINASE TOR**

[72] SANKAR, SABITA, US

[72] CHOPRA, RAJESH, US

[72] XU, WEIMING, US

[72] NING, YUHONG, US

[72] XU, SHUICHAN, US

[73] SIGNAL PHARMACEUTICALS, LLC, US

[85] 2012-07-31

[86] 2011-02-03 (PCT/US2011/023524)

[87] (WO2011/097333)

[30] US (61/301,150) 2010-02-03

[30] US (61/362,982) 2010-07-09

[11] **2,788,967**
[13] C

[51] **Int.Cl. C07K 16/00 (2006.01)**

[25] EN

[54] **PROCESS FOR OBTAINING ANTIBODIES**

[54] **PROCEDE PERMETTANT D'OBTENIR DES ANTICORPS**

[72] BILGISCHER, JEAN-PASCAL PIERRE, BE

[72] BASSETT, PHILIP JONATHAN, GB

[72] PEARCE-HIGGINS, MARK ROBERT, GB

[72] KENNY, ANDREW JOHN, GB

[73] UCB PHARMA, S.A., BE

[85] 2012-08-02

[86] 2011-02-02 (PCT/EP2011/051450)

[87] (WO2011/095506)

[30] GB (1001791.1) 2010-02-03

[11] **2,789,493**
[13] C

[51] **Int.Cl. G02C 11/04 (2006.01)**

[25] EN

[54] **ILLUMINATED EYEWEAR**

[54] **LUNETTES ECLAIREES**

[72] WATERS, MICHAEL, US

[73] WATERS, MICHAEL, US

[85] 2012-08-09

[86] 2011-02-10 (PCT/US2011/024400)

[87] (WO2011/100471)

[30] US (61/303,212) 2010-02-10

**Brevets canadiens délivrés
26 février 2019**

[11] **2,790,453**
[13] C

[51] **Int.Cl. H01H 71/08 (2006.01)**
[25] EN
[54] **CONTACT ARM ASSEMBLY FOR SWITCHGEAR CIRCUIT BREAKER HAVING IMPROVED COOLING FINS AND CONTACT FINGERS TO MAXIMIZE HEAT REJECTION**

[54] **DISPOSITIF DE BRAS DE CONTACT POUR UN DISJONCTEUR D'APPAREILLAGE ELECTRIQUE AYANT DES AILETTES DE REFROIDISSEMENT AMELIOREES ET DES DOIGTS DE CONTACT POUR MAXIMISER LE REJET DE CHALEUR**

[72] FISCHER-CARNE, PATRICK R., US
[72] KARNBACH, ROBERT S., US
[72] PAWAR, RAHUL, US
[73] ABB SCHWEIZ AG, CH
[86] (2790453)
[87] (2790453)
[22] 2012-09-20
[30] US (61/537,624) 2011-09-22
[30] US (13/615,827) 2012-09-14

[11] **2,790,919**
[13] C

[51] **Int.Cl. C12P 13/00 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCTION OF CADAVERINE**

[54] **PROCEDE POUR LA PRODUCTION DE CADAVERINE**

[72] MIMITSUKA, TAKASHI, JP
[72] SUDA, KAZUMI, JP
[72] SAWAI, HIDEKI, JP
[73] TORAY INDUSTRIES, INC., JP
[85] 2012-08-22
[86] 2011-02-22 (PCT/JP2011/053764)
[87] (WO2011/105344)
[30] JP (2010-037043) 2010-02-23
[30] JP (2010-186034) 2010-08-23

[11] **2,791,395**
[13] C

[51] **Int.Cl. G08G 3/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR CONSISTENCY CHECKING AND ANOMALY DETECTION IN AUTOMATIC IDENTIFICATION SYSTEM SIGNAL DATA**

[54] **PROCEDES ET SYSTEMES DE VERIFICATION CONTINUE ET DETECTION D'ANOMALIES DANS LES DONNEES D'UN SYSTEME D'IDENTIFICATION AUTOMATIQUE**

[72] PEACH, ROBERT, CA
[73] EXACTEARTH LTD., CA
[86] (2791395)
[87] (2791395)
[22] 2012-10-04
[30] US (13/445,552) 2012-04-12

[11] **2,792,224**
[13] C

[51] **Int.Cl. A61B 5/05 (2006.01) H04B 7/26 (2006.01) H04B 13/00 (2006.01) A61M 5/172 (2006.01)**
[25] EN
[54] **BODY-ASSOCIATED RECEIVER AND METHOD**

[54] **RECEPTEUR ASSOCIE AU CORPS ET PROCEDE AFFERANT**

[72] ROBERTSON, TIMOTHY, US
[72] OMIDVAR, FATANEH, US
[72] BEHZADI, YASHAR, US
[72] ARNE, LAWRENCE, US
[72] ROWBERRY, KENNETH, US
[72] HUTCHISON, JAMES, US
[72] LEICHTNER, ROBERT, US
[72] SAVAGE, GEORGE, US
[72] THOMPSON, ANDREW, US
[72] ZDEBLICK, MARK, US
[72] KREIDLER, MARC, US
[72] HAFEZI, HOOMAN, US
[72] DUCK, ROBERT, US
[73] PROTEUS DIGITAL HEALTH, INC., US
[86] (2792224)
[87] (2792224)
[22] 2009-12-15
[62] 2,747,156
[30] US (61/122,723) 2008-12-15
[30] US (61/160,289) 2009-03-13
[30] US (61/240,571) 2009-09-08
[30] US (61/251,088) 2009-10-13

[11] **2,792,906**
[13] C

[51] **Int.Cl. H04L 12/16 (2006.01) H04N 21/23 (2011.01)**
[25] EN
[54] **PARALLEL STREAMING**

[54] **TRANSMISSION EN CONTINU PARALLELE**

[72] PARK, ANTHONY N., US
[72] HUNT, NEIL D., US
[72] WEI, WEI, US
[73] NETFLIX, INC., US
[85] 2012-09-11
[86] 2011-03-11 (PCT/US2011/028240)
[87] (WO2011/113031)
[30] US (12/722,580) 2010-03-12

[11] **2,793,052**
[13] C

[51] **Int.Cl. C12P 23/00 (2006.01) C12N 15/09 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING ASTAXANTHIN BY FERMENTATION**

[54] **PROCEDE DE FABRICATION D'ASTAXANTHINE PAR FERMENTATION**

[72] HIRASAWA, KAZUAKI, JP
[72] SATOH, HIROSHI, JP
[72] YONEDA, HISASHI, JP
[72] YATA, TETSUHIISA, JP
[72] AZUMA, MITSUTOSHI, JP
[73] JX NIPPON OIL & ENERGY CORPORATION, JP
[85] 2012-09-12
[86] 2011-03-15 (PCT/JP2011/056033)
[87] (WO2011/115099)
[30] JP (2010-057321) 2010-03-15

**Canadian Patents Issued
February 26, 2019**

[11] **2,793,130**
[13] C

[51] **Int.Cl. F24H 9/12 (2006.01) F24H 9/14 (2006.01)**
[25] EN
[54] **RADIANT HEATING SYSTEM AND TURBULENCE CREATING BOILER HOUSING FOR USE THEREIN**
[54] **SYSTEME DE CHAUFFAGE PAR RAYONNEMENT ET CORPS DE CHAUDIERE PRODUISANT DE LA TURBULENCE A UTILISER DANS CELUI-CI**
[72] KING, RAY, CA
[73] DYNACURRENT TECHNOLOGIES, INC., CA
[86] (2793130)
[87] (2793130)
[22] 2012-10-17
[30] CA (2,783,166) 2012-07-13
[30] US (13/507,604) 2012-07-13

[11] **2,793,533**
[13] C

[51] **Int.Cl. C07D 209/70 (2006.01) A61K 31/403 (2006.01) A61P 17/00 (2006.01) A61P 31/12 (2006.01) C30B 7/08 (2006.01)**
[25] EN
[54] **POLYMORPHIC FORMS OF ST-246 AND METHODS OF PREPARATION**
[54] **FORMES POLYMORPHES ST-246 ET PROCEDES DE PREPARATION**
[72] TYAVANAGIMATT, SHANTHAKUMAR R., US
[72] STONE, MELIALANI A.C.L., US
[72] WEIMERS, WILLIAM C., US
[72] NELSON, DYLAN, US
[72] BOLKEN, TOVE C., US
[72] HRUBY, DENNIS E., US
[72] O'NEILL, MICHAEL H., US
[72] SWEETAPPLE, GARY, US
[72] MCCLOUGHAN, KELLEY A., US
[73] SIGA TECHNOLOGIES, INC., US
[85] 2012-09-17
[86] 2011-03-23 (PCT/US2011/029576)
[87] (WO2011/119698)
[30] US (61/316,747) 2010-03-23
[30] US (61/373,031) 2010-08-12

[11] **2,793,944**
[13] C

[51] **Int.Cl. C08J 5/24 (2006.01)**
[25] EN
[54] **COMPOSITE MATERIALS**
[54] **MATERIAUX COMPOSITES**
[72] WHITER, MARK, GB
[73] HEXCEL COMPOSITES LIMITED, GB
[85] 2012-09-20
[86] 2011-03-24 (PCT/GB2011/050597)
[87] (WO2011/117643)
[30] GB (1005103.5) 2010-03-26

[11] **2,793,989**
[13] C

[51] **Int.Cl. H02J 7/00 (2006.01) B60W 10/24 (2006.01)**
[25] EN
[54] **GRID REGULATION SERVICES FOR ENERGY STORAGE DEVICES BASED ON GRID FREQUENCY**
[54] **SERVICES DE REGULATION DU RESEAU ELECTRIQUE DESTINES A DES DISPOSITIFS DE STOCKAGE D'ENERGIE BASES SUR LA FREQUENCE DU RESEAU ELECTRIQUE**
[72] PRATT, RICHARD M., US
[72] HAMMERSTROM, DONALD J., US
[72] KINTNER-MEYER, MICHAEL C.W., US
[72] TUFFNER, FRANCIS K., US
[73] BATTELLE MEMORIAL INSTITUTE, US
[85] 2012-09-20
[86] 2011-04-05 (PCT/US2011/031237)
[87] (WO2011/127047)
[30] US (12/755,260) 2010-04-06

[11] **2,794,793**
[13] C

[51] **Int.Cl. C06C 7/00 (2006.01) C06B 25/00 (2006.01) C06B 25/04 (2006.01) C06B 25/18 (2006.01) C06B 25/34 (2006.01) C06B 31/24 (2006.01) C06B 33/08 (2006.01) C06B 35/00 (2006.01) C06B 37/02 (2006.01)**
[25] EN
[54] **NON-TOXIC, HEAVY-METAL FREE SENSITIZED EXPLOSIVE PERCUSSION PRIMERS AND METHODS OF PREPARING THE SAME**
[54] **AMORCES DE PERCUSSION EXPLOSIVES SENSIBILISEES, NON TOXIQUES ET SANS METAUX LOURDS, ET LEURS PROCEDES DE PREPARATION**
[72] SANDSTROM, JOEL, US
[72] QUINN, AARON A., US
[72] ERICKSON, JACK, US
[73] VISTA OUTDOOR OPERATIONS LLC, US
[85] 2012-09-27
[86] 2011-03-29 (PCT/US2011/030315)
[87] (WO2011/123437)
[30] US (12/751,607) 2010-03-31

[11] **2,794,954**
[13] C

[51] **Int.Cl. A61C 7/04 (2006.01) A61C 7/22 (2006.01)**
[25] EN
[54] **ORTHODONTIC TORQUING**
[54] **PHASE DE SERRAGE ORTHODONTIQUE**
[72] GOODMAN, PHILLIP M., US
[73] GOODMAN, PHILLIP M., US
[85] 2012-09-28
[86] 2011-03-31 (PCT/US2011/000583)
[87] (WO2011/126550)
[30] US (61/341,388) 2010-03-31

**Brevets canadiens délivrés
26 février 2019**

[11] **2,794,962**
[13] C

[51] **Int.Cl. C22C 23/00 (2006.01)**
[25] EN
[54] **MAGNESIUM-BASED ALLOY WITH SUPERIOR FLUIDITY AND HOT-TEARING RESISTANCE AND MANUFACTURING METHOD THEREOF**
[54] **ALLIAGE A BASE DE MAGNESIUM A FLUIDITE ELEVEE ET RESISTANCE AUX CRIQUES DE SOLIDIFICATION, ET PROCEDE DE FABRICATION CORRESPONDANT**
[72] KIM, SHAE K., KR
[72] SEO, JUNG HO, KR
[73] KOREA INSTITUTE OF INDUSTRIAL TECHNOLOGY, KR
[73] EMK CO., LTD., KR
[85] 2012-09-27
[86] 2011-03-23 (PCT/KR2011/002000)
[87] (WO2011/122786)
[30] KR (10-2010-0028134) 2010-03-29
[30] KR (10-2010-0028163) 2010-03-29
[30] KR (10-2010-0133880) 2010-12-23

[11] **2,795,501**
[13] C

[51] **Int.Cl. C12P 7/10 (2006.01) C12P 19/14 (2006.01)**
[25] EN
[54] **SYSTEM FOR THE TREATMENT OF BIOMASS**
[54] **SYSTEME POUR LE TRAITEMENT DE BIOMASSE**
[72] CARLSON, DAVID CHARLES, US
[73] POET RESEARCH, INC., US
[85] 2012-10-04
[86] 2011-03-18 (PCT/US2011/029047)
[87] (WO2011/116317)
[30] US (61/315,830) 2010-03-19

[11] **2,795,906**
[13] C

[51] **Int.Cl. A61K 48/00 (2006.01) A61P 17/00 (2006.01) A61P 35/00 (2006.01) C12N 7/04 (2006.01)**
[25] EN
[54] **HPV PARTICLES AND USES THEREOF**
[54] **PARTICULES HPV ET UTILISATIONS ASSOCIEES**
[72] COURSAGET, PIERRE L., FR
[72] TOUZE, ANTOINE A., FR
[72] FLEURY, MAXIME J. J., FR
[72] COMBELAS, NICOLAS, FR
[72] DE LOS PINOS, ELISABET, US
[73] INSERM, INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR
[73] AURA BIOSCIENCES, INC., US
[85] 2012-10-09
[86] 2009-07-24 (PCT/US2009/004299)
[87] (WO2010/120266)
[30] US (61/168,914) 2009-04-13

[11] **2,796,532**
[13] C

[51] **Int.Cl. B60S 9/02 (2006.01) B06B 1/00 (2006.01) B60P 3/00 (2006.01)**
[25] EN
[54] **TRUCK-MOUNTED VIBRATORY SOURCE AND METHOD**
[54] **SOURCE VIBRATOIRE FIXEE A UN CAMION ET PROCEDE**
[72] CARADEC, GILLES, FR
[72] BUTTIN, PASCAL, FR
[73] SERCEL, FR
[86] (2796532)
[87] (2796532)
[22] 2012-11-20
[30] EP (11306608.8) 2011-12-02

[11] **2,797,122**
[13] C

[51] **Int.Cl. G01N 15/10 (2006.01)**
[25] EN
[54] **OPTICAL COMBINER FOR COMBINING MULTIPLE LASER BEAMS IN A FLOW CYTOMETER**
[54] **COMBINAISON OPTIQUE POUR LA COMBINAISON DE MULTIPLES FAISCEAUX LASER DANS UN CYTOMETRE DE FLUX**
[72] HUNTER, SUSAN, US
[72] FOX, DANIEL N., US
[72] SADEH, TIDHAR, US
[72] OTTENBERG, MATTHIAS J. G., US
[72] RALEY, KEVIN P., US
[73] BIO-RAD LABORATORIES, INC., US
[85] 2012-10-22
[86] 2011-05-03 (PCT/US2011/035075)
[87] (WO2011/140153)
[30] US (61/330,849) 2010-05-03

[11] **2,797,226**
[13] C

[51] **Int.Cl. C07D 239/47 (2006.01) A01N 43/54 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **N3-SUBSTITUTED-N1-SULFONYL-5-FLUOROPYRIMIDINONE DERIVATIVES**
[54] **DERIVES N3-SUBSTITUE-N1-SULFONYL-5-FLUOROPYRIMIDINONE**
[72] BOEBEL, TIMOTHY, US
[72] LORSBACH, BETH, US
[72] MARTIN, TIMOTHY, US
[72] OWEN, W. JOHN, US
[72] SULLENBERGER, MICHAEL, US
[72] WEBSTER, JEFFERY, US
[72] YAO, CHENGLIN, US
[73] ADAMA MAKHTESHIM LTD., IL
[85] 2012-10-23
[86] 2011-04-20 (PCT/US2011/033203)
[87] (WO2011/137002)
[30] US (61/327,855) 2010-04-26

**Canadian Patents Issued
February 26, 2019**

[11] **2,797,243**
[13] C

[51] **Int.Cl. G09F 3/14 (2006.01) B29C 45/14 (2006.01) B31D 1/02 (2006.01) G09F 3/02 (2006.01)**

[25] EN

[54] **DETECTABLE SIGNAGE APPARATUS AND METHOD OF MAKING THE SAME**

[54] **DISPOSITIF DE PANCARTE DETECTABLE ET PROCEDE DE FABRICATION DE CELUI-CI**

[72] WATSON, VIRGIL ALLEN, US

[72] BENDER, JASON, US

[72] FRANK, CARL, US

[73] LOMONT MOLDING, INC., US

[85] 2012-10-23

[86] 2011-04-21 (PCT/US2011/033434)

[87] (WO2011/133775)

[30] US (12/766,286) 2010-04-23

[30] US (12/904,470) 2010-10-14

[11] **2,797,901**
[13] C

[51] **Int.Cl. G21G 1/00 (2006.01) A61K 51/02 (2006.01)**

[25] EN

[54] **ISOTOPE PREPARATION METHOD**

[54] **PROCEDE DE PRODUCTION D'ISOTOPE**

[72] KARLSON, JAN ROGER, NO

[72] BOERRETZEN, PEER, NO

[73] ALGETA ASA, NO

[85] 2012-10-30

[86] 2011-04-29 (PCT/EP2011/002156)

[87] (WO2011/134672)

[30] GB (1007353.4) 2010-04-30

[11] **2,798,142**
[13] C

[51] **Int.Cl. E02D 29/02 (2006.01) E02B 3/12 (2006.01) E02D 17/20 (2006.01)**

[25] EN

[54] **MECHANICALLY STABILIZED EARTH SYSTEM AND METHOD**

[54] **SYSTEME DE TERRE STABILISE MECANIQUEMENT ET PROCEDE ASSOCIE**

[72] TAYLOR, THOMAS P., US

[73] T & B STRUCTURAL SYSTEMS LLC, US

[85] 2012-10-31

[86] 2011-06-15 (PCT/US2011/040540)

[87] (WO2011/159807)

[30] US (12/818,011) 2010-06-17

[11] **2,798,287**
[13] C

[51] **Int.Cl. A01D 17/00 (2006.01) A01D 25/00 (2006.01)**

[25] EN

[54] **HARVESTER FOR POTATOES, BEETS AND OTHER ROOT CROPS**

[54] **APPAREIL DE RECOLTE POUR PATATES, BETTERAVES ET AUTRES RACINES**

[72] KALVERKAMP, KLEMENS, DE

[73] GRIMME LANDMASCHINENFABRIK GMBH & CO. KG, DE

[86] (2798287)

[87] (2798287)

[22] 2012-12-05

[30] DE (10 2011 120 377.3) 2011-12-07

[11] **2,798,654**
[13] C

[51] **Int.Cl. A01N 25/30 (2006.01) A01N 43/54 (2006.01) A01N 43/653 (2006.01) A01N 57/16 (2006.01)**

[25] EN

[54] **BIOCIDE COMPOSITIONS COMPRISING ALKOXYLATED OLIGOGLYCEROL ESTERS**

[54] **COMPOSITIONS BIOCIDES CONTENANT DES ESTERS D'OLIGOGLYCERINE ALCOXYLES**

[72] MACK, SANDRA, DE

[72] MAINX, HANS-GEORG, DE

[72] FLEUTE-SCHLACHTER, INGO, DE

[73] COGNIS IP MANAGEMENT GMBH, DE

[85] 2012-11-06

[86] 2011-03-30 (PCT/EP2011/001579)

[87] (WO2011/141093)

[30] EP (EP10004859) 2010-05-08

[11] **2,798,791**
[13] C

[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 20/10 (2012.01) G06Q 20/40 (2012.01) G06Q 50/30 (2012.01)**

[25] EN

[54] **ENHANCED PAYMENTS FOR SHIPPING**

[54] **PAIEMENTS AMELIORES POUR DES EXPEDITIONS**

[72] PARAMESWARAN, SATHIYAN, US

[72] BESSERER, BRUCE, US

[72] COSTIDES, NICHOLAS, US

[72] HILBUSH, MARK, US

[73] UNITED PARCEL SERVICE OF AMERICA, INC., US

[85] 2012-11-07

[86] 2011-03-02 (PCT/US2011/026769)

[87] (WO2011/156022)

[30] US (12/813,096) 2010-06-10

[30] US (12/813,998) 2010-06-11

[11] **2,798,922**
[13] C

[51] **Int.Cl. B60P 3/34 (2006.01) E04F 10/04 (2006.01) E04H 15/06 (2006.01)**

[25] EN

[54] **DEPLOYABLE SHELTER STRUCTURE**

[54] **STRUCTURE D'ABRI DEPLOYABLE**

[72] FINCK, WILLIAM, GB

[73] BELRON INTERNATIONAL LIMITED, GB

[85] 2012-11-08

[86] 2011-05-18 (PCT/GB2011/050945)

[87] (WO2011/144936)

[30] GB (1008429.1) 2010-05-20

**Brevets canadiens délivrés
26 février 2019**

[11] **2,799,223**
[13] C

[51] **Int.Cl. A61K 8/9789 (2017.01) A61K 8/46 (2006.01) A61K 8/49 (2006.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01) C40B 40/06 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR STIMULATING MAGP-1 TO IMPROVE THE APPEARANCE OF SKIN**

[54] **COMPOSITIONS ET PROCEDES DE STIMULATION DE MAGP-1 POUR AMELIORER L'ASPECT DE LA PEAU**

[72] ZHENG, QIAN, US
[72] CHEN, SIMING W., US
[72] SANTHANAM, UMA, US
[72] LYGA, JOHN W., US
[73] AVON PRODUCTS, INC., US
[85] 2012-11-09
[86] 2011-06-13 (PCT/US2011/040157)
[87] (WO2012/005876)
[30] US (61/360,083) 2010-06-30

[11] **2,799,276**
[13] C

[51] **Int.Cl. H01H 15/16 (2006.01) H01H 23/16 (2006.01)**

[25] EN

[54] **ACTIVATION SWITCH FOR A POWER TOOL**

[54] **INTERRUPTEUR D'ACTIVATION POUR OUTIL ELECTRIQUE**

[72] WASIELEWSKI, KEVIN, US
[73] ROBERT BOSCH GMBH, DE
[86] (2799276)
[87] (2799276)
[22] 2012-12-19
[30] US (13/331,347) 2011-12-20

[11] **2,799,382**
[13] C

[51] **Int.Cl. G01D 4/00 (2006.01) F23N 1/00 (2006.01) F24C 3/12 (2006.01) G01D 9/00 (2006.01)**

[25] EN

[54] **APPARATUS CONFIGURED TO DETECT GAS USAGE, METHOD OF PROVIDING SAME, AND METHOD OF DETECTING GAS USAGE**

[54] **APPAREIL CONFIGURE POUR DETECTER L'UTILISATION D'UN GAZ, PROCEDE POUR LA PRODUCTION, ET PROCEDE DE DETECTION D'UTILISATION DE GAZ**

[72] PATEL, SHWETAK N., US
[72] GUPTA, SIDHANT, US
[72] REYNOLDS, MATTHEW S., US
[73] BELKIN INTERNATIONAL, INC., US
[85] 2012-11-14
[86] 2011-04-29 (PCT/US2011/034643)
[87] (WO2011/142991)
[30] US (12/780,713) 2010-05-14

[11] **2,800,316**
[13] C

[51] **Int.Cl. G01N 21/64 (2006.01) B82Y 15/00 (2011.01)**

[25] EN

[54] **METHOD TO INCREASE THE NUMBER OF DETECTABLE PHOTONS DURING THE IMAGING OF A BIOLOGICAL MARKER**

[54] **PROCEDE VISANT A ACCROITRE LE NOMBRE DE PHOTONS DETECTABLES DANS LE CADRE D'UNE PROCEDURE D'IMAGERIE D'UN MARQUEUR BIOLOGIQUE**

[72] ROGERS, KELLY, AU
[72] SHORTE, SPENCER L., FR
[72] DRAGAVON, JOSEPH, FR
[72] BLAZQUEZ, SAMANTHA, FR
[73] INSTITUT PASTEUR, FR
[85] 2012-09-19
[86] 2011-03-25 (PCT/IB2011/051282)
[87] (WO2011/117847)
[30] EP (10290158.4) 2010-03-26

[11] **2,800,467**
[13] C

[51] **Int.Cl. H02G 3/04 (2006.01) H01B 17/58 (2006.01)**

[25] EN

[54] **APPARATUS FOR SUPPORTING CABLES**

[54] **APPAREIL DE SUPPORT POUR CABLES**

[72] COX, MARTIN, CA
[72] NEILSON, MATT, CA
[73] SUPERIOR TRAY SYSTEMS INC., CA
[86] (2800467)
[87] (2800467)
[22] 2012-12-21

[11] **2,800,811**
[13] C

[51] **Int.Cl. C07C 237/44 (2006.01) A61K 31/167 (2006.01) A61K 31/196 (2006.01) A61K 31/245 (2006.01) A61K 31/365 (2006.01) A61P 35/00 (2006.01) C07C 235/56 (2006.01) C07C 279/08 (2006.01) C07D 493/10 (2006.01)**

[25] EN

[54] **OLIGO-BENZAMIDE COMPOUNDS AND THEIR USE**

[54] **COMPOSES OLIGO-BENZAMIDE ET LEUR UTILISATION**

[72] AHN, JUNG-MO, US
[72] RAJ, GANESH, US
[73] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2012-11-26
[86] 2011-05-27 (PCT/US2011/038395)
[87] (WO2011/150360)
[30] US (61/349,555) 2010-05-28

**Canadian Patents Issued
February 26, 2019**

[11] **2,801,011**
[13] C

[51] **Int.Cl. C11B 1/00 (2006.01) A23D 7/00 (2006.01) C11B 1/10 (2006.01) C12N 1/06 (2006.01) C07C 69/52 (2006.01) C12P 7/64 (2006.01)**

[25] EN

[54] **EXTRACTION OF LIPID FROM CELLS AND PRODUCTS THEREFROM**

[54] **EXTRACTION D'UN LIPIDE A PARTIR DE CELLULES ET PRODUITS OBTENUS A PARTIR DE CETTE EXTRACTION**

[72] CHERINKO, STEPHEN ROBERT, US
[72] KERTIS, ROBERT CODY, US
[72] APT, KIRK E., US
[72] BEHRENS, PAUL WARREN, US
[72] HANSEN, JON MILTON, US
[72] PFEIFER, JOSEPH W., III, US
[72] STAHL, TRACEY LYNN, US
[72] ZIRKLE, ROSS, US
[72] BURKE, NASRIN TABAYEH, US
[72] RAMAN, KRISHNA, US
[72] LEININGER, NEIL FRANCIS, US
[73] DSM IP ASSESTS B.V., NL
[85] 2012-11-28
[86] 2011-06-01 (PCT/US2011/038768)
[87] (WO2011/153246)
[30] US (61/350,363) 2010-06-01
[30] US (61/378,923) 2010-08-31
[30] US (61/452,721) 2011-03-15

[11] **2,801,200**
[13] C

[51] **Int.Cl. A61M 5/14 (2006.01) A61M 5/145 (2006.01) A61M 5/152 (2006.01) A61M 39/08 (2006.01) A61M 39/22 (2006.01)**

[25] EN

[54] **MEDICATION INFUSION KIT**

[54] **KIT DE PERFUSION DE MEDICAMENT**

[72] DUNCAN, DAVID R., US
[73] DUNCAN, DAVID R., US
[85] 2012-11-29
[86] 2011-06-14 (PCT/US2011/040376)
[87] (WO2011/159714)
[30] US (61/397,642) 2010-06-14

[11] **2,802,094**
[13] C

[51] **Int.Cl. A61B 17/17 (2006.01) A61B 34/10 (2016.01) A61B 17/70 (2006.01) A61B 17/88 (2006.01) A61F 2/44 (2006.01)**

[25] EN

[54] **PATIENT MATCHING SURGICAL GUIDE AND METHOD FOR USING THE SAME**

[54] **GUIDE CHIRURGICAL APPARIE A UN PATIENT ET SON PROCEDE D'UTILISATION**

[72] FREY, GEORGE, US
[73] FREY, GEORGE, US
[85] 2012-12-07
[86] 2011-06-29 (PCT/US2011/042412)
[87] (WO2012/006172)
[30] US (61/359,710) 2010-06-29
[30] US (61/393,695) 2010-10-15

[11] **2,802,132**
[13] C

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/517 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **TETRAHYDRO-PYRIDO-PYRIMIDINE DERIVATIVES**

[54] **DERIVES DE TETRAHYDRO-PYRIDO-PYRIMIDINE**

[72] COOKE, NIGEL GRAHAM, CH
[72] FERNANDES GOMES DOS SANTOS, PAULO, CH
[72] GRAVELEAU, NADEGE, CH
[72] HEBACH, CHRISTINA, CH
[72] HOEGENAUER, KLEMENS, CH
[72] HOLLINGWORTH, GREGORY, GB
[72] SMITH, ALEXANDER BAXTER, CH
[72] SOLDERMANN, NICOLAS, CH
[72] STOWASSER, FRANK, CH
[72] STRANG, ROSS, CH
[72] TUFILLI, NICOLA, CH
[72] VON MATT, ANETTE, CH
[72] WOLF, ROMAIN, CH
[72] ZECRI, FREDERIC, US
[73] NOVARTIS AG, CH
[85] 2012-12-10
[86] 2011-07-06 (PCT/EP2011/061393)
[87] (WO2012/004299)
[30] US (61/361,589) 2010-07-06

[11] **2,802,463**
[13] C

[51] **Int.Cl. A61K 47/54 (2017.01) A61P 35/00 (2006.01) C07H 21/04 (2006.01) C12N 15/11 (2006.01) C12N 15/87 (2006.01)**

[25] EN

[54] **OPTIMIZED IN VIVO DELIVERY SYSTEM WITH ENDOSOMOLYTIC AGENTS FOR NUCLEIC ACID CONJUGATES**

[54] **SYSTEME D'ADMINISTRATION IN VIVO OPTIMISE AVEC DES AGENTS ENDOSOMOLYTIQUES POUR DES CONJUGUES D'ACIDE NUCLEIQUE**

[72] SUN, JIAN-SHENG, FR
[72] DUTREIX, MARIE, FR
[72] QUANZ, MARIA, FR
[73] INSTITUT CURIE, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[73] ONXEO, FR
[85] 2012-12-12
[86] 2011-06-21 (PCT/EP2011/060280)
[87] (WO2011/161075)
[30] EP (10166936.4) 2010-06-22

[11] **2,802,694**
[13] C

[51] **Int.Cl. G16H 50/20 (2018.01)**

[25] EN

[54] **A SYSTEMS APPROACH TO DISEASE STATE, HEALTH, AND COMORBIDITY ASSESSMENT**

[54] **APPROCHE SYSTEMIQUE DE L'ETAT MALADIF, DE LA SANTE ET DE LA COMORBIDITE**

[72] OSORIO, IVAN, US
[73] FLINT HILLS SCIENTIFIC, LLC, US
[85] 2012-12-13
[86] 2011-06-13 (PCT/US2011/040130)
[87] (WO2011/159592)
[30] US (12/816,357) 2010-06-15
[30] US (12/816,348) 2010-06-15

**Brevets canadiens délivrés
26 février 2019**

[11] **2,802,934**
[13] C

[51] **Int.Cl. A23D 9/00 (2006.01) C11C 3/10 (2006.01)**
[25] EN
[54] **NON-TEMPER, TEXTURE PROVIDING FAT COMPOSITIONS**
[54] **COMPOSITIONS DE GRAISSES TEXTURANTES, NON TREMPÉES**
[72] ANDERSEN, MORTEN DAUGAARD, DK
[72] JUUL, BJARNE, DK
[73] AAK DENMARK A/S, DK
[85] 2012-12-17
[86] 2011-06-23 (PCT/EP2011/060551)
[87] (WO2011/161213)
[30] US (61/358,133) 2010-06-24
[30] DK (PA 2010 70289) 2010-06-24

[11] **2,803,045**
[13] C

[51] **Int.Cl. A47J 31/40 (2006.01) B65D 85/804 (2006.01)**
[25] EN
[54] **METHOD FOR BREWING BEVERAGE AND CARTRIDGE CONTAINING INFUSIBLE MATERIAL**
[54] **PROCEDE PERMETTANT DE FAIRE INFUSER UNE BOISSON ET CARTOUCHE CONTENANT UNE MATIERE INFUSIBLE**
[72] QUINN, ANTHONY EDWARD, GB
[72] MAFFEI, OSVALDO, GB
[72] BRONWASSER, ROBERT WIM, NL
[72] ZANDONA, RAFFAELE, IT
[73] UNILEVER PLC, GB
[85] 2012-12-18
[86] 2011-06-23 (PCT/EP2011/060538)
[87] (WO2012/007257)
[30] EP (10169485.9) 2010-07-14

[11] **2,803,483**
[13] C

[51] **Int.Cl. F03B 13/14 (2006.01)**
[25] EN
[54] **OCEAN WAVE ENERGY SYSTEM**
[54] **SYSTEME DE RECUPERATION D'ENERGIE DE VAGUES OCEANIQUES**
[72] SOLHEIM, GEIR ARNE, NO
[73] HAVKRAFT AS, NO
[85] 2012-12-20
[86] 2011-06-17 (PCT/NO2011/000175)
[87] (WO2011/162615)
[30] NO (20100906) 2010-06-23
[30] GB (1010631.8) 2010-06-23
[30] NO (20110487) 2011-03-30

[11] **2,803,763**
[13] C

[51] **Int.Cl. G06F 11/14 (2006.01) G06F 16/11 (2019.01) G06F 16/17 (2019.01)**
[25] EN
[54] **CHECKPOINTS FOR A FILE SYSTEM**
[54] **POINTS DE CONTROLE POUR SYSTEME DE FICHIERS**
[72] CARGILLE, JONATHAN M., US
[72] MILLER, THOMAS J., US
[72] TIPTON, WILLIAM R., US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2012-12-21
[86] 2011-06-01 (PCT/US2011/038811)
[87] (WO2011/159476)
[30] US (12/815,418) 2010-06-15

[11] **2,804,778**
[13] C

[51] **Int.Cl. C08F 6/00 (2006.01) B01D 19/00 (2006.01) B01J 8/00 (2006.01) F25J 1/02 (2006.01) F25J 3/06 (2006.01) C08F 10/00 (2006.01)**
[25] EN
[54] **ETHYLENE EXPANSION FOR LOW TEMPERATURE REFRIGERATION IN POLYETHYLENE VENT RECOVERY**
[54] **EXPANSION D'ETHYLENE POUR REFRIGERATION A BASSE TEMPERATURE DANS LA RECUPERATION D'EVACUATION DE POLYETHYLENE**
[72] FORCE, RANDALL, L., US
[72] FISCHER, DONALD, A., US
[73] UNIVATION TECHNOLOGIES, LLC, US
[85] 2013-01-08
[86] 2011-07-07 (PCT/US2011/043123)
[87] (WO2012/006387)
[30] US (61/362,989) 2010-07-09

[11] **2,804,996**
[13] C

[51] **Int.Cl. B64G 3/00 (2006.01)**
[25] FR
[54] **METHOD FOR MAKING A SPACE WATCH SYSTEM FOR NEAR SPACE MONITORING**
[54] **PROCEDE DE REALISATION D'UN SYSTEME DE VEILLE SPATIALE POUR LA SURVEILLANCE DE L'ESPACE PROCHE**
[72] MARTIN, BERNARD, FR
[72] LE BERRE, FRANCOIS, FR
[72] CAILLAU, DAMIEN, FR
[72] LEVEQUE, LOUIS, FR
[73] ARIANEGROUP SAS, FR
[85] 2013-01-10
[86] 2011-07-08 (PCT/EP2011/061570)
[87] (WO2012/007362)
[30] FR (1055657) 2010-07-12

[11] **2,805,010**
[13] C

[51] **Int.Cl. B64G 3/00 (2006.01)**
[25] FR
[54] **SPACE SITUATIONAL AWARENESS SYSTEM FOR NEAR SPACE MONITORING**
[54] **SYSTEME DE VEILLE SPATIALE POUR LA SURVEILLANCE DE L'ESPACE PROCHE**
[72] MARTIN, BERNARD, FR
[72] LE BERRE, FRANCOIS, FR
[72] CAILLAU, DAMIEN, FR
[72] LEVEQUE, LOUIS, FR
[73] ARIANEGROUP SAS, FR
[85] 2013-01-10
[86] 2011-07-08 (PCT/EP2011/061568)
[87] (WO2012/007360)
[30] FR (1055658) 2010-07-12

**Canadian Patents Issued
February 26, 2019**

[11] **2,805,076**
[13] C

[51] **Int.Cl. C12M 1/34 (2006.01) C12Q 1/04 (2006.01) G01N 21/78 (2006.01) G01N 21/80 (2006.01) G01N 33/49 (2006.01) G01J 3/10 (2006.01)**

[25] EN

[54] **DETECTOR ARRANGEMENT FOR BLOOD CULTURE BOTTLES WITH COLORIMETRIC SENSORS**

[54] **AGENCEMENT DETECTEUR POUR FLACONS D'HEMOCULTURE A CAPTEURS COLORIMETRIQUES**

[72] CLAY, BRADFORD G., US

[73] BIOMERIEUX, INC., US

[85] 2013-01-10

[86] 2011-07-19 (PCT/US2011/044454)

[87] (WO2012/012377)

[30] US (61/400,001) 2010-07-20

[11] **2,805,389**
[13] C

[51] **Int.Cl. A47B 21/013 (2006.01) A47B 21/04 (2006.01) F16M 11/04 (2006.01) F16M 13/02 (2006.01)**

[25] EN

[54] **DISPLAY POSITIONING APPARATUS AND METHOD**

[54] **APPAREIL ET PROCEDE DE POSITIONNEMENT D'ECRAN**

[72] HAZZARD, JOEL, US

[72] FLUHRER, ROBERT W., US

[72] SEGAR, PETER, US

[72] THEIS, JOHN, US

[72] ERGUN, MUSTAFA A., US

[72] TRISH, SCOTT, US

[73] ERGOTRON, INC., US

[85] 2013-01-14

[86] 2011-07-26 (PCT/US2011/045370)

[87] (WO2012/015822)

[30] US (61/369,392) 2010-07-30

[30] US (61/369,430) 2010-07-30

[30] US (61/412,456) 2010-11-11

[11] **2,805,733**
[13] C

[51] **Int.Cl. F26B 1/00 (2006.01) C02F 11/18 (2006.01) F26B 3/20 (2006.01) F26B 17/10 (2006.01) F26B 23/00 (2006.01)**

[25] FR

[54] **METHOD AND INSTALLATION FOR DRYING SLUDGE**

[54] **PROCEDE ET INSTALLATION DE SECHAGE DE BOUES**

[72] HAARLEMMER, GEERT, FR

[73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR

[85] 2013-01-16

[86] 2011-08-05 (PCT/EP2011/063565)

[87] (WO2012/017092)

[30] FR (1056490) 2010-08-06

[11] **2,806,431**
[13] C

[51] **Int.Cl. A61B 17/02 (2006.01) A61B 17/115 (2006.01) A61B 17/34 (2006.01)**

[25] EN

[54] **APPARATUS AND METHODS FOR PROTECTING ADJACENT STRUCTURES DURING THE INSERTION OF A SURGICAL INSTRUMENT INTO A TUBULAR ORGAN**

[54] **APPAREIL ET PROCEDES DE PROTECTION DE STRUCTURES ADJACENTES PENDANT INTRODUCTION D'INSTRUMENT CHIRURGICAL DANS UN ORGANE TUBULAIRE**

[72] SHELTON, FREDERICK E., IV, US

[72] WILLIS, JOHN W., US

[72] LEVAC, ROBBIE D., CA

[73] ETHICON ENDO-SURGERY, INC., US

[85] 2013-01-23

[86] 2011-07-27 (PCT/US2011/045508)

[87] (WO2012/015899)

[30] US (12/846,952) 2010-07-30

[11] **2,806,920**
[13] C

[51] **Int.Cl. G01B 11/16 (2006.01) G01N 33/44 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR VISUALIZING CONTRACTION STRESS FROM CURABLE MATERIALS**

[54] **PROCEDE ET APPAREIL PERMETTANT DE VISUALISER LA CONTRAINTE DE CONTRACTION DE MATERIAUX DURCISSABLES**

[72] JIN, XIAOMING, US

[72] BERTRAND, LOUIS, US

[72] DAI, QIZHOU, US

[73] DENTSPLY INTERNATIONAL INC., US

[85] 2013-01-28

[86] 2011-11-07 (PCT/US2011/059555)

[87] (WO2012/064639)

[30] US (61/411,686) 2010-11-09

[11] **2,807,141**
[13] C

[51] **Int.Cl. A61K 9/127 (2006.01) A61K 39/35 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR INDUCING IMMUNE TOLERANCE**

[54] **COMPOSITIONS ET METHODES POUR INDUIRE LA TOLERANCE IMMUNITAIRE**

[72] PAULSON, JAMES C., US

[72] MACAULEY, MATTHEW, US

[72] NEMAZEE, DAVID, US

[73] THE SCRIPPS RESEARCH INSTITUTE, US

[85] 2013-01-30

[86] 2011-07-29 (PCT/US2011/001343)

[87] (WO2012/018380)

[30] US (61/400,610) 2010-07-31

[30] US (61/464,136) 2011-02-28

**Brevets canadiens délivrés
26 février 2019**

[11] **2,807,215**
[13] C

[51] **Int.Cl. A47L 9/10 (2006.01) A47L 7/00 (2006.01) A47L 9/22 (2006.01)**

[25] EN

[54] **VACUUM CLEANER WITH SCREEN CAGE**

[54] **ASPIRATEUR POURVU D'UN CRIBLE**

[72] WOLFE, MELVIN E., US

[72] BUSS, RANDY L., US

[72] LIU, LI H., US

[73] SHOP VAC CORPORATION, US

[86] (2807215)

[87] (2807215)

[22] 2013-02-25

[30] US (13/454,251) 2012-04-24

[11] **2,807,299**
[13] C

[51] **Int.Cl. B01D 27/02 (2006.01) B01D 27/08 (2006.01) B01D 35/02 (2006.01) C02F 1/00 (2006.01)**

[25] EN

[54] **APPARATUS FOR FILTERING AND/OR CONDITIONING AND/OR PURIFYING A FLUID SUCH AS WATER**

[54] **APPAREIL DE FILTRATION ET/OU DE TRAITEMENT ET/OU DE PURIFICATION D'UN FLUIDE TEL QUE L'EAU**

[72] BEISWENGER, CARL, US

[72] WILLIAMS, RICHARD T., US

[73] GENERAL ECOLOGY, INC., US

[85] 2013-02-01

[86] 2010-08-06 (PCT/US2010/002184)

[87] (WO2012/018321)

[11] **2,807,468**
[13] C

[51] **Int.Cl. H04N 19/13 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01)**

[25] EN

[54] **IMAGE CODING AND DECODING MULTIPLE INTRA PREDICTION MODES CODED WITH CONTEXT-DEPENDENT PORTIONS USING VARIABLE AND FIXED PROBABILITIES**

[54] **MODES D'INTRAPREDICTION A MULTIPLES CODAGES ET DECODAGES D'IMAGE CODES AVEC DES PARTIES DEPENDANTES DU CONTEXTE AU MOYEN DE PROBABILITES VARIABLES ET FIXES**

[72] SASAI, HISAO, JP

[72] NISHI, TAKAHIRO, JP

[72] SHIBAHARA, YOUJI, JP

[72] SUGIO, TOSHIYASU, JP

[72] TANIKAWA, KYOKO, JP

[72] MATSUNOBU, TORU, JP

[73] SUN PATENT TRUST, US

[85] 2013-02-04

[86] 2012-06-28 (PCT/JP2012/004197)

[87] (WO2013/011640)

[30] US (61/508,762) 2011-07-18

[11] **2,807,483**
[13] C

[51] **Int.Cl. A61L 31/06 (2006.01) A61K 9/00 (2006.01) A61L 31/10 (2006.01) A61L 31/16 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **DEVICES, SYSTEMS, AND METHODS FOR EXCAVATING CANCER CELLS**

[54] **DISPOSITIFS, SYSTEMES ET PROCESSES D'EXCAVATION DE CELLULES CANCEREUSES**

[72] BELLAMKONDA, RAVI V., US

[72] JAIN, ANJANA, US

[73] CHILDREN'S HEALTHCARE OF ATLANTA, INC., US

[85] 2013-02-04

[86] 2011-08-04 (PCT/US2011/046653)

[87] (WO2012/019049)

[30] US (61/370,630) 2010-08-04

[11] **2,807,691**
[13] C

[51] **Int.Cl. C01B 32/20 (2017.01) C01B 32/21 (2017.01) H01B 1/04 (2006.01) H01B 1/18 (2006.01) H01B 1/24 (2006.01)**

[25] EN

[54] **GROUND EXPANDED GRAPHITE AGGLOMERATES, METHODS OF MAKING, AND APPLICATIONS OF THE SAME**

[54] **AGGLOMERATS DE GRAPHITE EXPANSE BROYES, LEURS PROCESSES DE PREPARATION ET APPLICATIONS**

[72] GRIVEI, EUSEBIU, BE

[72] ROTA, FABIO, CH

[72] RIETSCH, JEAN-CHRISTOPHE, CH

[72] ZUERCHER, SIMONE, CH

[72] GILARDI, RAFFAELE, CH

[72] SPAHR, MICHAEL, CH

[73] IMERYS GRAPHITE & CARBON SWITZERLAND LTD., CH

[85] 2013-02-07

[86] 2011-08-11 (PCT/EP2011/063866)

[87] (WO2012/020099)

[30] US (61/372,479) 2010-08-11

[30] EP (10172468.0) 2010-08-11

[11] **2,807,954**
[13] C

[51] **Int.Cl. G01N 11/00 (2006.01) C10B 57/12 (2006.01) G01N 11/04 (2006.01) G01N 33/22 (2006.01)**

[25] EN

[54] **METHOD FOR EVALUATING THERMAL PLASTICITY OF COALS AND CAKING ADDITIVES, AND METHOD FOR PRODUCING COKE**

[54] **PROCEDE POUR L'EVALUATION DE THERMOPLASTICITES DU CHARBON ET D'ADDITIF AGGLOMERANT ET PROCEDE DE FABRICATION DE COKE**

[72] DOHI, YUSUKE, JP

[72] SHIMOYAMA, IZUMI, JP

[72] FUKADA, KIYOSHI, JP

[72] YAMAMOTO, TETSUYA, JP

[72] SUMI, HIROYUKI, JP

[73] JFE STEEL CORPORATION, JP

[85] 2013-02-08

[86] 2011-08-31 (PCT/JP2011/070316)

[87] (WO2012/029985)

[30] JP (2010-195622) 2010-09-01

[30] JP (PCT/JP2010/065351) 2010-09-01

**Canadian Patents Issued
February 26, 2019**

[11] **2,808,010**
[13] C

[51] **Int.Cl. B01F 1/00 (2006.01) B01F 5/02 (2006.01) B01F 5/10 (2006.01)**
[25] EN
[54] **APPARATUS FOR PRODUCING A LIQUID CONCENTRATE FROM A DRY MATERIAL**
[54] **APPAREIL POUR LA FABRICATION D'UN CONCENTRE LIQUIDE A PARTIR D'UN MATERIAU SEC**
[72] GAULTNEY, LAWRENCE DOKA, US
[73] FMC CORPORATION, US
[85] 2013-02-08
[86] 2011-09-06 (PCT/US2011/050526)
[87] (WO2012/033747)
[30] US (61/380,794) 2010-09-08

[11] **2,808,485**
[13] C

[51] **Int.Cl. C12Q 1/02 (2006.01) G01N 33/569 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS AND MEANS FOR CHARACTERIZING ANTIBIOTIC RESISTANCE IN MICROORGANISMS**
[54] **PROCEDES ET MOYENS DE CARACTERISATION D'UNE RESISTANCE A UN ANTIBIOTIQUE DANS DES MICROORGANISMES**
[72] LUIDER, THEO MARTEN, NL
[72] VAN KAMPEN, JEROEN JACOB ALEXANDER, NL
[72] VAN BELKUM, ALEXANDER FRANCISCUS, NL
[72] GOESSENS, WILHELMUS HUBERTUS FRANCISCUS, NL
[72] HOOFF, GERO PETER, NL
[73] ERASMUS UNIVERSITY MEDICAL CENTER ROTTERDAM, NL
[85] 2013-02-15
[86] 2010-08-19 (PCT/NL2010/050523)
[87] (WO2012/023845)

[11] **2,809,487**
[13] C

[51] **Int.Cl. C07D 249/14 (2006.01) A01N 43/40 (2006.01) A01N 43/653 (2006.01) A01N 43/713 (2006.01) C07D 257/06 (2006.01) C07D 401/12 (2006.01)**
[25] EN
[54] **N-(TETRAZOL-5-YL)- AND N-(TRIAZOL-5-YL)ARYLCARBOXAMIDES AND USE THEREOF AS HERBICIDES**
[54] **AMIDES DE L'ACIDE N-(TETRAZOL-5-YL)- ET N-(TRIAZOL-5-YL)ARYLCARBOXYLIQUE, ET LEUR UTILISATION COMME HERBICIDES**
[72] BRAUN, RALF, DE
[72] KOEHN, ARNIM, DE
[72] VAN ALMSICK, ANDREAS, DE
[72] AHRENS, HARTMUT, DE
[72] DOERNER-RIEPING, SIMON, DE
[72] WILLMS, LOTHAR, DE
[72] HAEUSER-HAHN, ISOLDE, DE
[72] HEINEMANN, INES, DE
[72] GATZWEILER, ELMAR, DE
[72] ROSINGER, CHRISTOPHER HUGH, DE
[73] BAYER CROPSCIENCE AG, DE
[85] 2013-02-26
[86] 2011-08-29 (PCT/EP2011/064820)
[87] (WO2012/028579)
[30] EP (10174893.7) 2010-09-01

[11] **2,809,490**
[13] C

[51] **Int.Cl. F16L 11/127 (2006.01) F16L 9/12 (2006.01)**
[25] EN
[54] **ANTI-STATIC AND LIGHTNING COMPATIBLE TRANSPORT ELEMENT**
[54] **ELEMENT DE TRANSPORT COMPATIBLE ANTISTATIQUE ET PARAFoudre**
[72] LE MORVAN, CHRISTOPHE, FR
[73] ZODIAC AEROSAFETY SYSTEMS, FR
[85] 2013-02-25
[86] 2011-09-12 (PCT/IB2011/002121)
[87] (WO2012/032406)
[30] US (61/403,159) 2010-09-10

[11] **2,809,553**
[13] C

[51] **Int.Cl. C07D 215/44 (2006.01) A61K 31/4745 (2006.01) A61P 35/00 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **IMIDAZO[4,5-C]QUINOLINES AS DNA-PK INHIBITORS**
[54] **IMIDAZO[4,5-C]QUINOLEINES UTILISEES COMME INHIBITEURS DE L'ADN-PK**
[72] FUCHSS, THOMAS, DE
[72] MEDERSKI, WERNER, DE
[72] ZENKE, FRANK, DE
[73] MERCK PATENT GMBH, DE
[85] 2013-02-26
[86] 2011-07-26 (PCT/EP2011/003744)
[87] (WO2012/028233)
[30] DE (10 2010 035 744.8) 2010-08-28

[11] **2,810,396**
[13] C

[51] **Int.Cl. G10L 19/00 (2013.01) G11B 20/10 (2006.01) H03M 7/30 (2006.01)**
[25] EN
[54] **CARRYING AUXILIARY DATA WITHIN AUDIO SIGNALS**
[54] **TRANSPORT DE DONNEES AUXILIAIRES DANS DES SIGNAUX AUDIO**
[72] CARROLL, TIM J., US
[73] LINEAR ACOUSTIC, INC., US
[85] 2013-03-04
[86] 2011-09-01 (PCT/US2011/050193)
[87] (WO2012/033705)
[30] US (12/876,289) 2010-09-07

**Brevets canadiens délivrés
26 février 2019**

[11] **2,810,723**
[13] C

[51] **Int.Cl. C05C 9/00 (2006.01) C05G 3/00 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING UREA FERTILIZER WITH LOW MOISTURE ABSORPTION TENDENCIES**

[54] **PROCEDE DE PRODUCTION D'ENGRAIS A BASE D'UREE AYANT DE FAIBLES TENDANCES A ABSORBER L'HUMIDITE**

[72] NIEHUES, PAUL, DE

[72] FRANZRAHE, HARALD, DE

[72] POTTHOFF, MATTHIAS, DE

[72] VANMARCKE, LUC ALBERT, BE

[73] UHDE FERTILIZER TECHNOLOGY B.V., NL

[85] 2013-03-07

[86] 2011-08-31 (PCT/EP2011/004398)

[87] (WO2012/034650)

[30] EP (10009615.5) 2010-09-15

[11] **2,811,251**
[13] C

[51] **Int.Cl. B29B 17/00 (2006.01) B30B 9/12 (2006.01) B30B 9/30 (2006.01) B30B 11/24 (2006.01)**

[25] EN

[54] **WASTE PROCESSING APPARATUS AND METHODS**

[54] **APPAREIL ET PROCEDES DE TRAITEMENT DES DECHETS**

[72] SCHEERES, DAVID, GB

[73] MASSMELT LTD, GB

[85] 2013-03-13

[86] 2011-09-16 (PCT/GB2011/001362)

[87] (WO2012/035308)

[30] GB (1015495.3) 2010-09-16

[11] **2,811,305**
[13] C

[51] **Int.Cl. A61K 39/385 (2006.01) A61P 31/04 (2006.01)**

[25] EN

[54] **IMMUNOGENIC COMPOSITIONS**

[54] **COMPOSITIONS IMMUNOGENES**

[72] BERTI, FRANCESCO, IT

[72] CONTORNI, MARIO, IT

[72] COSTANTINO, PAOLO, IT

[72] FINCO, ORETTA, IT

[72] GRANDI, GUIDO, IT

[72] MAIONE, DOMENICO, IT

[72] TELFORD, JOHN, IT

[73] NOVARTIS AG, CH

[85] 2013-03-13

[86] 2011-09-16 (PCT/IB2011/054069)

[87] (WO2012/035519)

[30] US (61/383,668) 2010-09-16

[30] GB (1101665.6) 2011-01-31

[11] **2,811,380**
[13] C

[51] **Int.Cl. D21H 21/10 (2006.01) C08J 3/215 (2006.01) C08L 1/02 (2006.01) D21H 17/29 (2006.01) D21H 17/44 (2006.01)**

[25] EN

[54] **METHOD FOR IMPROVING THE REMOVAL OF WATER**

[54] **PROCEDE D'AMELIORATION DE L'ELIMINATION DE L'EAU**

[72] LAINE, JANNE, FI

[72] TAIPALE, TERO, FI

[72] KAJANTO, ISKO, FI

[73] UPM-KYMMENE CORPORATION, FI

[85] 2013-03-14

[86] 2011-09-14 (PCT/FI2011/050789)

[87] (WO2012/035205)

[30] FI (20105959) 2010-09-17

[11] **2,811,766**
[13] C

[51] **Int.Cl. D04B 1/24 (2006.01) A41D 27/00 (2006.01) A42B 1/02 (2006.01)**

[25] EN

[54] **STITCHED GARMENT WITH OPENING INCORPORATED INTO STITCHED PATTERN AND METHOD OF MANUFACTURE**

[54] **VETEMENT PIQUE AVEC OUVERTURE INTEGREE A UN MODELE PIQUE ET PROCEDE DE FABRICATION**

[72] LAUSE, DANICA, US

[73] LAUSE, DANICA, US

[86] (2811766)

[87] (2811766)

[22] 2013-04-05

[30] US (61/642,114) 2012-05-03

[30] US (13/798,597) 2013-03-13

[11] **2,812,150**
[13] C

[51] **Int.Cl. A61B 17/068 (2006.01) A61B 17/00 (2006.01) A61B 17/295 (2006.01)**

[25] EN

[54] **SURGICAL INSTRUMENT WITH SELECTIVELY ARTICULATABLE END EFFECTOR**

[54] **INSTRUMENT CHIRURGICAL AVEC ORGANE EFFECTEUR D'EXTREMITE SELECTIVEMENT ARTICULABLE**

[72] SCHMID, KATHERINE J., US

[72] BAXTER, CHESTER O., III, US

[72] ARONHALT, TAYLOR W., US

[72] YOUNG, JOSEPH E., US

[72] SHELTON, FREDERICK E., IV, US

[72] WORRELL, BARRY C., US

[72] MILLER, MATTHEW C., US

[73] ETHICON ENDO-SURGERY, INC., US

[85] 2013-03-13

[86] 2011-09-23 (PCT/US2011/053016)

[87] (WO2012/040593)

[30] US (61/386,094) 2010-09-24

**Canadian Patents Issued
February 26, 2019**

[11] **2,812,595**
[13] C

[51] **Int.Cl. B23K 9/095 (2006.01) B23K 9/10 (2006.01) B23K 9/32 (2006.01) G05B 19/418 (2006.01) G06Q 99/00 (2006.01) G07C 1/10 (2006.01)**

[25] EN

[54] **APPARATUS FOR MONITORING AN ACTIVITY OF A WELD CELL OF A WELDING SYSTEM**

[54] **APPAREIL PERMETTANT DE SURVEILLER L'ACTIVITE D'UNE CELLULE SOUDEE D'UN SYSTEME DE SOUDAGE AUTOGENE**

[72] HOLVERSON, TODD E., US

[72] GIESE, WILLIAM R., US

[72] KREBS, DOUGLAS W., US

[72] DOBSON, KENNETH S., US

[73] ILLINOIS TOOL WORKS INC., US

[85] 2013-03-25

[86] 2011-10-07 (PCT/US2011/055225)

[87] (WO2012/048199)

[30] US (61/390,855) 2010-10-07

[30] US (13/253,231) 2011-10-05

[11] **2,812,758**
[13] C

[51] **Int.Cl. C08J 3/00 (2006.01) C08G 65/46 (2006.01) C08J 3/12 (2006.01) C08L 71/08 (2006.01) C30B 33/02 (2006.01)**

[25] EN

[54] **HEAT TREATED POLYMER POWDERS**

[54] **POUDRES DE POLYMERES TRAITÉES THERMIQUEMENT**

[72] BERTELO, CHRISTOPHER A., US

[72] GARCIA-LEINER, MANUEL A., US

[72] DECARMINE, ANTHONY, US

[72] DEFELICE, SCOTT F., US

[73] ARKEMA INC., US

[85] 2013-03-26

[86] 2011-09-27 (PCT/US2011/053368)

[87] (WO2012/047613)

[30] US (61/386,741) 2010-09-27

[11] **2,812,912**
[13] C

[51] **Int.Cl. G06F 12/16 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PROVIDING FLEXIBLE STORAGE AND RETRIEVAL OF SNAPSHOT ARCHIVES**

[54] **SYSTEME ET PROCEDE PERMETTANT D'ASSURER LE STOCKAGE ET LA RECUPERATION FLEXIBLES D'ARCHIVES D'INSTANTANES**

[72] SIVASUBRAMANIAN, SWAMINATHAN, US

[72] MARSHALL, BRAD E., US

[72] CERTAIN, TATE ANDREW, US

[72] MANISCALCO, NICHOLAS J., US

[73] AMAZON TECHNOLOGIES, INC., US

[85] 2013-03-27

[86] 2011-09-12 (PCT/US2011/051221)

[87] (WO2012/047451)

[30] US (12/892,735) 2010-09-28

[11] **2,813,563**
[13] C

[51] **Int.Cl. C07C 227/18 (2006.01) A61K 31/198 (2006.01) A61P 1/16 (2006.01) C07C 229/26 (2006.01)**

[25] EN

[54] **METHODS OF MAKING L-ORNITHINE PHENYL ACETATE**

[54] **PROCEDES DE FABRICATION D'ACETATE DE PHENYLE DE L-ORNITHINE**

[72] ANDERSON, KEITH H., US

[72] BEHLING, JIM, US

[72] DOUGAN, CHRISTINE HENDERSON, GB

[72] WATT, STEPHEN WILLIAM, GB

[72] MANINI, PETER, CH

[72] FIGINI, ATTILIA, CH

[73] OCERA THERAPEUTICS, INC., US

[85] 2013-04-03

[86] 2011-10-05 (PCT/US2011/054983)

[87] (WO2012/048043)

[30] US (61/390,585) 2010-10-06

[11] **2,813,642**
[13] C

[51] **Int.Cl. G01N 29/04 (2006.01) G01B 17/02 (2006.01) G01N 29/44 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PERFORMING ULTRASONIC PIPELINE WALL PROPERTY MEASUREMENTS**

[54] **SYSTEME ET PROCEDE POUR REALISER DES MESURES ULTRASONORES DE PROPRIETES DE PAROIS DE CONDUITES**

[72] VOLKER, ARNO WILLEM FREDERIK, NL

[72] BLOOM, JOOST GERARDUS PETRUS, NL

[73] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL

[85] 2013-04-03

[86] 2011-10-07 (PCT/NL2011/050686)

[87] (WO2012/047107)

[30] EP (10186907.1) 2010-10-07

[11] **2,813,834**
[13] C

[51] **Int.Cl. C07C 323/25 (2006.01) C07C 303/02 (2006.01) C07C 309/14 (2006.01)**

[25] EN

[54] **METHOD FOR THE PREPARATION OF (3S,3S') 4,4'-DISULFANEDIYLBIS (3-AMINOBTANE 1-SULFONIC ACID)**

[54] **PROCEDE DE PREPARATION DE (3S,3S')-4,4'-DISULFANEDIYLBIS(ACIDE 3-AMINOBTANE-1-SULFONIQUE)**

[72] BALAVOINE, FABRICE, FR

[72] MADEC, JONATHAN, FR

[72] SCHNEIDER, JEAN-MARIE, FR

[72] COQUEREL, GERARD, FR

[72] COUV RAT, NICOLAS, FR

[72] CARTIGNY, YOHANN, FR

[72] PETIT, MARIE-NOELLE, FR

[73] QUANTUM GENOMICS, FR

[85] 2013-04-05

[86] 2011-10-07 (PCT/EP2011/067524)

[87] (WO2012/045849)

[30] EP (10306099.2) 2010-10-07

**Brevets canadiens délivrés
26 février 2019**

[11] **2,814,015**
[13] C

[51] **Int.Cl. B64C 25/44 (2006.01) B60T 13/12 (2006.01) B64C 25/46 (2006.01) F16K 11/044 (2006.01)**

[25] EN

[54] **BRAKE SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE DE FREINAGE**

[72] OYAMA, HIROKI, US

[72] BOLAND, MICHAEL JOSEPH, US

[73] HONDA PATENTS & TECHNOLOGIES NORTH AMERICA, LLC, US

[85] 2013-04-05

[86] 2011-10-10 (PCT/US2011/055574)

[87] (WO2012/051099)

[30] US (12/902,456) 2010-10-12

[30] US (61/394,224) 2010-10-18

[11] **2,814,113**
[13] C

[51] **Int.Cl. E06B 9/04 (2006.01) A47D 13/00 (2006.01) E06B 11/02 (2006.01)**

[25] EN

[54] **ADJUSTABLE WIDTH BARRIER**

[54] **BARRIERE A LARGEUR REGLABLE**

[72] YATES, ADAM JOHN, GB

[72] DUNN, STEVEN B., US

[72] HATHERILL, MARK A., US

[72] GASTELUM, RODOLFO, US

[72] BIRKERT, THOMAS, US

[73] MUNCHKIN, INC., US

[85] 2013-04-08

[86] 2011-12-14 (PCT/US2011/064926)

[87] (WO2012/082908)

[30] US (12/967,140) 2010-12-14

[11] **2,814,609**
[13] C

[51] **Int.Cl. B60T 11/16 (2006.01)**

[25] EN

[54] **HYDRAULIC BRAKE MASTER CYLINDER WITH BACK-UP RING**

[54] **MAITRE-CYLINDRE DE FREIN HYDRAULIQUE AYANT UNE BAGUE D'APPUI**

[72] GOHR, JEFFREY S., US

[72] AHOLA, VESA, US

[72] DIMSEY, JAMES, US

[73] HB PERFORMANCE SYSTEMS, INC., US

[85] 2013-04-11

[86] 2011-10-07 (PCT/US2011/055360)

[87] (WO2012/051065)

[30] US (61/392,140) 2010-10-12

[11] **2,814,848**
[13] C

[51] **Int.Cl. F28C 1/02 (2006.01) F28F 25/00 (2006.01) F28F 25/04 (2006.01)**

[25] EN

[54] **LIQUID COLLECTION AND DISTRIBUTION DEVICE FOR MASS TRANSFER COLUMN AND PROCESS INVOLVING SAME**

[54] **DISPOSITIF DE COLLECTE ET DE DISTRIBUTION DE LIQUIDE DESTINE A UNE COLONNE DE TRANSFERT DE MASSE ET PROCESSUS IMPLIQUANT CELUI-CI**

[72] HEADLEY, DARRAN MATTHEW, US

[72] EWY, DAVID RAY, US

[73] KOCH-GLITSCH, LP, US

[85] 2013-04-15

[86] 2011-10-26 (PCT/US2011/057818)

[87] (WO2012/064508)

[30] US (61/412,277) 2010-11-10

[30] US (13/280,609) 2011-10-25

[11] **2,815,087**
[13] C

[51] **Int.Cl. G01N 33/68 (2006.01) G01N 33/52 (2006.01)**

[25] EN

[54] **ANALYTE SENSORS, METHODS FOR PREPARING AND USING SUCH SENSORS, AND METHODS OF DETECTING ANALYTE ACTIVITY**

[54] **DETECTEURS D'ANALYTE, METHODES DE PREPARATION ET D'UTILISATION DE CES DETECTEURS, ET METHODES DE DETECTION DE L'ACTIVITE D'UN ANALYTE**

[72] YANG, JENNY JIE, US

[72] TANG, SHEN, US

[73] GEORGIA STATE UNIVERSITY RESEARCH FOUNDATION, INC., US

[85] 2013-04-17

[86] 2011-10-19 (PCT/US2011/056952)

[87] (WO2012/054648)

[30] US (61/394,501) 2010-10-19

[30] US (61/526,420) 2011-08-23

[11] **2,815,188**
[13] C

[51] **Int.Cl. G08B 21/02 (2006.01)**

[25] EN

[54] **INFECTIOUS DISEASE WARNING SYSTEM**

[54] **SYSTEME D'ALARME POUR MALADIES INFECTIEUSES**

[72] ROSENBERG, MITCHELL, US

[73] ROSENBERG, MITCHELL, US

[85] 2013-04-18

[86] 2011-10-19 (PCT/US2011/056803)

[87] (WO2012/054551)

[30] US (12/907,125) 2010-10-19

[11] **2,815,239**
[13] C

[51] **Int.Cl. C07K 14/755 (2006.01) C12N 5/0783 (2010.01) A61K 38/37 (2006.01) A61P 7/04 (2006.01) A61P 37/02 (2006.01) C07K 19/00 (2006.01)**

[25] EN

[54] **FVIII PEPTIDES FOR IMMUNE TOLERANCE INDUCTION AND IMMUNODIAGNOSTICS**

[54] **PEPTIDES FVIII POUR INDUCTION DE TOLERANCE IMMUNITAIRE ET IMMUNODIAGNOSTIC**

[72] STEINITZ, KATHARINA NORA, AT

[72] WILHELMINA VAN HELDEN, PAULA MARIA, NL

[72] REIPERT, BIRGIT MARIA, AT

[72] SCHWARZ, HANS-PETER, AT

[72] EHRlich, HARTMUT, AT

[73] BAXALTA INCORPORATED, US

[73] BAXALTA GMBH, CH

[85] 2013-04-18

[86] 2011-10-27 (PCT/US2011/058165)

[87] (WO2012/058480)

[30] US (61/407,402) 2010-10-27

[30] US (61/467,894) 2011-03-25

[30] US (61/502,476) 2011-06-29

**Canadian Patents Issued
February 26, 2019**

[11] **2,816,258**
[13] C

[51] **Int.Cl. C08B 30/04 (2006.01) A61K 31/718 (2006.01) A61L 2/00 (2006.01) A61M 1/28 (2006.01) B01D 61/14 (2006.01) C08B 30/18 (2006.01) C12P 19/04 (2006.01) C12P 19/14 (2006.01)**

[25] FR

[54] **METHOD FOR DECONTAMINATING STARCH HYDROLYSATES FOR THE PREPARATION OF GLUCOSE POLYMERS FOR PERITONEAL DIALYSIS**

[54] **PROCEDE DE DECONTAMINATION D'HYDROLYSATS D'AMIDON POUR LA PREPARATION DE POLYMERES DE GLUCOSE DESTINES A LA DIALYSE PERITONEALE**

[72] DUFLOT, PIERRICK, FR
[72] PASSE, DAMIEN, FR
[72] VERRIN, JEAN-MARC, FR
[73] ROQUETTES FRERES, FR
[85] 2013-04-26
[86] 2011-11-02 (PCT/FR2011/052555)
[87] (WO2012/059685)
[30] FR (1059060) 2010-11-03

[11] **2,816,406**
[13] C

[51] **Int.Cl. C07D 413/14 (2006.01) A61K 31/422 (2006.01) C07D 417/14 (2006.01)**

[25] EN

[54] **HYDROXYLATED AMINOTRIAZOLE DERIVATIVES AS ALX RECEPTOR AGONISTS**

[54] **DERIVES D'AMINOTRIAZOLE HYDROXYLES CONVENANT COMME AGONISTES DU RECEPTEUR ALX**

[72] BUR, DANIEL, CH
[72] CORMINBOEUF, OLIVIER, CH
[72] CREN, SYLVAIN, CH
[72] GRISOSTOMI, CORINNA, CH
[72] LEROY, XAVIER, CH
[72] RICHARD-BILDSTEIN, SYLVIA, CH
[73] IDORSIA PHARMACEUTICALS LTD, CH
[85] 2013-04-29
[86] 2011-12-06 (PCT/IB2011/055492)
[87] (WO2012/077051)
[30] IB (PCT/IB2010/055614) 2010-12-07

[11] **2,816,485**
[13] C

[51] **Int.Cl. G01M 3/24 (2006.01) F04B 51/00 (2006.01) G01H 1/00 (2006.01)**

[25] EN

[54] **METHOD FOR DETECTION AND LOCALIZATION OF A FLUID LEAK RELATED TO A PISTON MACHINE**

[54] **PROCEDE DE DETECTION ET DE LOCALISATION D'UNE FUITE DE FLUIDE ASSOCIEE A UNE MACHINE A PISTON**

[72] KYLLINGSTAD, AGE, NO
[72] NESSJOEN, PAL JAKOB, NO
[73] NATIONAL OILWELL VARCO NORWAY AS, NO
[85] 2013-04-30
[86] 2011-11-18 (PCT/NO2011/000322)
[87] (WO2012/070947)
[30] NO (20101641) 2010-11-22

[11] **2,816,798**
[13] C

[51] **Int.Cl. C07H 9/06 (2006.01) A61K 31/7056 (2006.01)**

[25] EN

[54] **SELECTIVE GLYCOSIDASE INHIBITORS AND USES THEREOF**

[54] **INHIBITEURS SELECTIFS DE LA GLYCOSIDASE ET UTILISATIONS DE CEUX-CI**

[72] LIU, KUN, US
[72] SELNICK, HAROLD G., US
[72] CHANG, JIANG, CN
[72] MCEACHERN, ERNEST J., CA
[72] MU, CHANGWEI, CN
[72] SHI, FENG, CN
[72] VOCADLO, DAVID J., CA
[72] WANG, YAODE, CN
[72] WEI, ZHONGYONG, CN
[72] ZHOU, YUANXI, CA
[72] ZHU, YONGBAO, CA
[73] ALECTOS THERAPEUTICS INC., CA
[73] MERCK SHARP & DOHME CORP., US
[85] 2013-05-02
[86] 2011-11-08 (PCT/US2011/059668)
[87] (WO2012/064680)
[30] CN (PCT/CN2010/078528) 2010-11-08
[30] US (61/418,596) 2010-12-01
[30] CN (PCT/CN2011/080691) 2011-10-12

[11] **2,817,000**
[13] C

[51] **Int.Cl. G06F 3/03 (2006.01) G06F 3/041 (2006.01)**

[25] EN

[54] **TOUCH CONTROL METHOD AND PORTABLE TERMINAL SUPPORTING THE SAME**

[54] **PROCEDE DE REGULATION DE CONTACT ET TERMINAL PORTABLE LE PRENANT EN CHARGE**

[72] BAEK, SUNG HWAN, KR
[72] CHUNG, DO HEE, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2013-05-03
[86] 2011-10-31 (PCT/KR2011/008179)
[87] (WO2012/060589)
[30] US (61/409,669) 2010-11-03
[30] KR (10-2011-0086177) 2011-08-29

[11] **2,817,351**
[13] C

[51] **Int.Cl. C25C 3/00 (2006.01) C22B 34/12 (2006.01) C25C 7/00 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR ELECTROLYTICALLY REDUCING A SOLID FEEDSTOCK**

[54] **PROCEDE ET SYSTEME DE REDUCTION ELECTROLYTIQUE D'UNE CHARGE D'ALIMENTATION SOLIDE**

[72] DUDLEY, PETER G, GB
[72] WRIGHT, ALLEN RICHARD, GB
[73] METALYSIS LIMITED, GB
[85] 2013-05-08
[86] 2011-11-18 (PCT/GB2011/001631)
[87] (WO2012/066299)
[30] GB (1019572.5) 2010-11-18
[30] GB (1019612.9) 2010-11-18

**Brevets canadiens délivrés
26 février 2019**

[11] **2,817,436**
[13] C

[51] **Int.Cl. H04W 76/28 (2018.01)**
[25] EN
[54] **MANAGING WIRELESS COMMUNICATIONS USING DISCONTINUOUS RECEPTION**
[54] **GESTION DE COMMUNICATIONS SANS FIL AU MOYEN DE LA RECEPTION DISCONTINUE**
[72] ANDERSON, NICHOLAS WILLIAM, GB
[72] YOUNG, GORDON PETER, GB
[72] BURBIDGE, RICHARD CHARLES, GB
[73] BLACKBERRY LIMITED, CA
[85] 2013-05-09
[86] 2011-11-11 (PCT/EP2011/069938)
[87] (WO2012/065914)
[30] US (12/946,617) 2010-11-15

[11] **2,817,580**
[13] C

[51] **Int.Cl. B32B 15/08 (2006.01) B42D 25/45 (2014.01) B32B 7/12 (2006.01) B32B 33/00 (2006.01) B32B 38/06 (2006.01)**
[25] EN
[54] **DECORATIVE AND/OR SECURE ELEMENT FOR HOMOGENEOUS CARD CONSTRUCTION**
[54] **ELEMENT DECORATIF ET/OU DE SECURITE POUR CONSTRUCTION DE CARTE HOMOGENE**
[72] CRAWFORD-TAYLOR, SHANNON K., US
[72] SZUMSKI, DANIEL M., US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2013-05-08
[86] 2011-11-15 (PCT/US2011/060800)
[87] (WO2012/068117)
[30] US (61/413,720) 2010-11-15
[30] US (13/295,908) 2011-11-14

[11] **2,817,781**
[13] C

[51] **Int.Cl. H04W 76/28 (2018.01) H04W 72/02 (2009.01)**
[25] EN
[54] **MANAGING COMMUNICATIONS ACROSS A WIRELESS NETWORK USING DISCONTINUOUS RECEPTION**
[54] **GESTION DES COMMUNICATIONS DANS UN RESEAU SANS FIL AU MOYEN DE LA RECEPTION DISCONTINUE**
[72] ANDERSON, NICHOLAS WILLIAM, GB
[72] YOUNG, GORDON PETER, GB
[72] BURBIDGE, RICHARD CHARLES, GB
[73] BLACKBERRY LIMITED, CA
[85] 2013-05-10
[86] 2011-11-15 (PCT/EP2011/070187)
[87] (WO2012/066011)
[30] US (61/413,833) 2010-11-15

[11] **2,818,129**
[13] C

[51] **Int.Cl. A61K 31/24 (2006.01) A61K 31/80 (2006.01) A61K 38/43 (2006.01) A61P 1/00 (2006.01)**
[25] EN
[54] **ORALLY ADMINISTERED PHARMACEUTICAL COMPOSITION FOR THE TREATMENT OF IRRITABLE BOWEL SYNDROME, COMPRISING AN INTESTINAL MOTILITY MODIFIER, AN AGENT THAT PREVENTS GAS RETENTION, AND PREPARATION METHOD THEREOF**
[54] **COMPOSITION PHARMACEUTIQUE DESTINEE A L'ADMINISTRATION PAR VOIE ORALE ET UTILE POUR LE TRAITEMENT DU SYNDROME DE L'INTESTIN IRRITABLE, CONSTITUEE D'UN MODIFICATEUR DE LA MOTILITE INTESTINALE, D'UN AGENT EMPECHANT LA RETENTION DES GAZ ET D'ENZYMES DIGESTIVES, PROCEDE DE PREPARATION DE LADITE COMPOSITION**
[72] BERNARDO ESCUDERO, ROBERTO, MX
[72] SAVOIR VILBOEUF, JOHN CLAUDE, MX
[73] POSI VISIONARY SOLUTIONS LLP, GB
[85] 2013-05-15
[86] 2011-11-15 (PCT/MX2011/000138)
[87] (WO2012/067481)
[30] MX (MX/a/2010/012479) 2010-11-16

**Canadian Patents Issued
February 26, 2019**

[11] **2,818,525**
[13] C

[51] **Int.Cl. C07D 301/04 (2006.01)**
[25] EN
[54] **METHOD OF REDUCING THE VALUE OF AN ALKYLENE OXIDE PRODUCTION PARAMETER IN A PROCESS OF MAKING AN ALKYLENE OXIDE USING A HIGH EFFICIENCY CATALYST**
[54] **PROCEDE DE REDUCTION DE LA VALEUR D'UN PARAMETRE DE PRODUCTION D'OXYDE D'ALKYLENE DANS UN PROCEDE DE FABRICATION D'UN OXYDE D'ALKYLENE EN UTILISANT UN CATALYSEUR A EFFICACITE ELEVEE**
[72] ZHANG, LIPING, US
[72] TUPE, RAVINDRA, FI
[73] DOW TECHNOLOGY INVESTMENTS LLC, US
[85] 2013-05-17
[86] 2011-12-09 (PCT/US2011/064077)
[87] (WO2012/078948)
[30] US (61/421,968) 2010-12-10

[11] **2,818,575**
[13] C

[51] **Int.Cl. A61B 50/30 (2016.01) A61B 50/36 (2016.01) A61L 2/26 (2006.01)**
[25] EN
[54] **CONTAINER FOR MEDICAL ACCESSORY PROCESSING**
[54] **CONTENANT POUR TRAITEMENT D'ACCESSOIRES MEDICAUX**
[72] MASON, DAVID ROBERT, GB
[73] CANTEL (UK) LIMITED, GB
[85] 2013-05-21
[86] 2011-10-14 (PCT/GB2011/052000)
[87] (WO2012/069800)
[30] GB (1020007.9) 2010-11-25

[11] **2,818,604**
[13] C

[51] **Int.Cl. G06K 9/18 (2006.01) G06F 21/45 (2013.01)**
[25] EN
[54] **FACILITATING USER SUPPORT OF ELECTRONIC DEVICES USING DYNAMIC MATRIX CODE GENERATION**
[54] **FACILITATION D'ASSISTANCE UTILISATEUR DE DISPOSITIFS ELECTRONIQUES A L'AIDE DE GENERATION DE CODE DE MATRICE DYNAMIQUE**
[72] DUGAN, MICHAEL T., US
[72] MINNICK, DAN J., US
[72] GOMEZ, MARK, US
[73] ECHOSTAR TECHNOLOGIES L.L.C., US
[85] 2013-05-21
[86] 2011-11-09 (PCT/US2011/059977)
[87] (WO2012/071174)
[30] US (12/953,227) 2010-11-23

[11] **2,818,628**
[13] C

[51] **Int.Cl. C07C 319/06 (2006.01) C07C 323/40 (2006.01) C07C 327/30 (2006.01) C07D 277/64 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF S-[2-[1-(2-ETHYLBUTYL)CYCLOHEXANECARBONYLAMINO]-PHENYL]-2-METHYLTHIOPROPIONATE AND DERIVATIVES THEREOF BY HYDROGENATION OF DISULFIDE PRECURSORS**
[54] **PROCEDE DE PREPARATION DE S-[2-[1-(2-ETHYLBUTYL)CYCLOHEXANECARBONYLAMINO]-PHENYL]-2-METHYLTHIOPROPIONATE ET SES DERIVES PAR HYDROGENATION DE PRECURSEURS DISULFURES**
[72] MAIR, HANS-JUERGEN, DE
[72] REENTS, REINHARD, CH
[72] SCALONE, MICHELANGELO, CH
[72] WANG, SHAONING, CH
[72] ZOGG, ANDREAS, CH
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2013-05-21
[86] 2011-12-12 (PCT/EP2011/072470)
[87] (WO2012/080178)
[30] EP (10195294.3) 2010-12-16

[11] **2,819,091**
[13] C

[51] **Int.Cl. E21B 43/26 (2006.01)**
[25] EN
[54] **FRACTURE CHARACTERISATION**
[54] **CHARACTERISATION DE FRACTURES**
[72] MCEWEN-KING, MAGNUS, GB
[72] HILL, DAVID JOHN, GB
[72] MOLENAAR, MENNO MATHIEU, NL
[73] OPTASENSE HOLDINGS LIMITED, GB
[85] 2013-05-27
[86] 2011-11-30 (PCT/GB2011/001666)
[87] (WO2012/072981)
[30] GB (1020358.6) 2010-12-01

[11] **2,819,133**
[13] C

[51] **Int.Cl. H04N 19/159 (2014.01) H04N 19/14 (2014.01) H04N 19/146 (2014.01) H04N 19/176 (2014.01) H04N 19/30 (2014.01)**
[25] EN
[54] **MOVING PICTURE DECODING METHOD, MOVING PICTURE CODING METHOD, MOVING PICTURE DECODING APPARATUS, MOVING PICTURE CODING APPARATUS, AND MOVING PICTURE CODING AND DECODING APPARATUS**
[54] **PROCEDE DE DECODAGE DE VIDEO ANIMEE, PROCEDE DE CODAGE DE VIDEO ANIMEE, APPAREIL DE DECODAGE DE VIDEO ANIMEE, APPAREIL DE CODAGE DE VIDEO ANIMEE ET APPAREIL DE CODAGE/DECODAGE DE VIDEO ANIMEE**
[72] WAHADANIAH, VIKTOR, SG
[72] LIM, CHONG SOON, SG
[72] NAING, SUE MON THET, SG
[72] JING, XUAN, SG
[72] SASAI, HISAO, JP
[72] NISHI, TAKAHIRO, JP
[72] SHIBAHARA, YOUJI, JP
[72] SUGIO, TOSHIYASU, JP
[73] SUN PATENT TRUST, US
[85] 2013-05-27
[86] 2011-12-28 (PCT/JP2011/007341)
[87] (WO2012/090501)
[30] US (61/427,523) 2010-12-28

**Brevets canadiens délivrés
26 février 2019**

[11] **2,819,387**
[13] C

- [51] **Int.Cl. B02C 13/09 (2006.01) B02C 13/26 (2006.01)**
[25] FR
[54] **IMPACT MILL HAVING A ROTOR-POSITIONING DEVICE**
[54] **BROYEUR A PERCUSSION A DISPOSITIF DE POSITIONNEMENT DU ROTOR**
[72] FAURE, THIERRY, FR
[73] METSO MINERALS (FRANCE) SA, FR
[85] 2013-05-30
[86] 2012-01-24 (PCT/FR2012/050148)
[87] (WO2012/104521)
[30] FR (1150701) 2011-01-31

[11] **2,819,486**
[13] C

- [51] **Int.Cl. A61B 17/3209 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CUTTING A TENDON**
[54] **APPAREIL ET METHODE DE SECTION D'UN TENDON**
[72] GEDET, PHILIPPE, CH
[72] APPENZELLER, ANDREAS, CH
[72] FLURI, DANIEL, CH
[73] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2013-05-30
[86] 2011-11-21 (PCT/US2011/061706)
[87] (WO2012/074817)
[30] US (61/419,143) 2010-12-02

[11] **2,819,607**
[13] C

- [51] **Int.Cl. F16L 55/172 (2006.01)**
[25] FR
[54] **DEVICE FOR SEALING A LEAK IN A FLUID-TRANSPORT PIPE**
[54] **DISPOSITIF DE COLMATAGE DE FUITE DANS UNE CANALISATION DE TRANSPORT DE FLUIDE**
[72] BOULET D'AURIA, STANISLAS, FR
[73] 3X ENGINEERING, FR
[85] 2013-05-31
[86] 2011-12-06 (PCT/FR2011/052877)
[87] (WO2012/076803)
[30] FR (1004758) 2010-12-07

[11] **2,819,695**
[13] C

- [51] **Int.Cl. H04L 29/08 (2006.01) H04L 12/28 (2006.01)**
[25] EN
[54] **OPERATION SCHEDULER FOR A BUILDING AUTOMATION SYSTEM**
[54] **PLANIFICATEUR D'OPERATIONS DESTINE A UN SYSTEME IMMOTIQUE**
[72] SPEARS, LONNIE DOUGLAS, US
[72] KOERNER, CHARLES JAMES, US
[72] MARCHI, MICHAEL J., US
[72] NICKELS, PATRICK M., US
[72] BAUM, MICHAEL J., US
[73] SIEMENS INDUSTRY, INC., US
[85] 2013-05-31
[86] 2011-12-05 (PCT/US2011/063268)
[87] (WO2012/075485)
[30] US (61/419,370) 2010-12-03
[30] US (13/310,484) 2011-12-02

[11] **2,819,712**
[13] C

- [51] **Int.Cl. C01B 21/26 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING NITRIC ACID**
[54] **PROCEDE POUR LA PRODUCTION D'ACIDE NITRIQUE**
[72] JOHNSTON, ANTHONY MATTHEW, AU
[72] HAYNES, BRIAN SCOTT, AU
[73] THE UNIVERSITY OF SYDNEY, AU
[73] YARA INTERNATIONAL ASA, NO
[85] 2013-05-31
[86] 2011-12-01 (PCT/AU2011/001555)
[87] (WO2012/071615)
[30] AU (2010905285) 2010-12-01

[11] **2,820,094**
[13] C

- [51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6816 (2018.01) C12Q 1/6853 (2018.01) C07H 21/00 (2006.01)**
[25] EN
[54] **NUCLEIC ACID TARGET DETECTION USING FLUOROPHORE- AND QUENCHER-CONJUGATED OLIGONUCLEOTIDES**
[54] **DETECTION DE CIBLE D'ACIDE NUCLEIQUE EMPLOYANT UN FLUOROPHORE ET DES OLIGONUCLEOTIDES CONJUGUES DE TYPE EXTINGUEUR**
[72] RAZ, TAL, US
[72] MARY, PASCALINE, US
[73] BIO-RAD LABORATORIES, INC., US
[85] 2013-06-04
[86] 2011-12-07 (PCT/US2011/063654)
[87] (WO2012/078710)
[30] US (61/420,747) 2010-12-07

[11] **2,820,095**
[13] C

- [51] **Int.Cl. C07K 16/00 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **ISOFORM ENRICHED ANTIBODY PREPARATION AND METHOD FOR OBTAINING IT**
[54] **PREPARATION D'ANTICORPS ENRICHE EN ISOFORMES ET SON PROCEDE D'OBTENTION**
[72] FALKENSTEIN, ROBERTO, DE
[72] SCHWENDNER, KLAUS, DE
[72] SPENSBERGER, BERNHARD, DE
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2013-06-04
[86] 2011-12-19 (PCT/EP2011/073245)
[87] (WO2012/084829)
[30] EP (10196287.6) 2010-12-21

[11] **2,820,896**
[13] C

- [51] **Int.Cl. A61F 5/08 (2006.01) A61F 5/56 (2006.01)**
[25] EN
[54] **NASAL DILATOR**
[54] **DILATATEUR NASAL**
[72] IERULLI, JOSEPH, US
[73] IERULLI, JOSEPH, US
[85] 2013-06-07
[86] 2011-12-09 (PCT/US2011/064265)
[87] (WO2012/079037)
[30] US (12/964,746) 2010-12-10

**Canadian Patents Issued
February 26, 2019**

[11] **2,821,290**
[13] C

[51] **Int.Cl. F28F 1/20 (2006.01)**
[25] EN
[54] **REMOVABLE RADIATOR FIN ASSEMBLY**
[54] **ENSEMBLE D'AILETTES DE RADIATEUR AMOVIBLE**
[72] FANBERG, GORDON B., US
[72] FRANSEN, ROBERT A., US
[73] FAB TEK LOGIC, LLC, US
[86] (2821290)
[87] (2821290)
[22] 2013-07-18
[30] US (61/673,005) 2012-07-18

[11] **2,821,330**
[13] C

[51] **Int.Cl. C11C 5/00 (2006.01)**
[25] EN
[54] **CANDLE WICK AND WICK CLIP**
[54] **MECHE DE BOUGIE ET PINCE DE MECHE**
[72] RAMAKER, JAMES, US
[72] LARSON, BETH A., US
[72] SPANGLER, MARK A., US
[73] SMITH MOUNTAIN INDUSTRIES, INC, US
[85] 2013-06-11
[86] 2011-12-14 (PCT/US2011/064887)
[87] (WO2012/082882)
[30] US (61/422,716) 2010-12-14
[30] US (61/423,877) 2010-12-16
[30] US (61/488,439) 2011-05-20
[30] US (61/499,951) 2011-06-22

[11] **2,821,832**
[13] C

[51] **Int.Cl. F16C 19/52 (2006.01) B61B 12/06 (2006.01) B61B 12/10 (2006.01) F16C 21/00 (2006.01) F16C 35/073 (2006.01) F16C 39/02 (2006.01)**
[25] EN
[54] **CABLE TRANSPORTATION SYSTEM WITH AT LEAST ONE HAUL CABLE**
[54] **DISPOSITIF DE TRANSPORT DE CABLE COMPRENANT AU MOINS UN CABLE DE HALAGE**
[72] BACHER, CHRISTIAN, IT
[72] ERHARTER, NIKOLAUS, IT
[73] LEITNER S.P.A., IT
[85] 2013-06-14
[86] 2011-12-15 (PCT/IB2011/055717)
[87] (WO2012/080983)
[30] IT (MI2010A002302) 2010-12-15

[11] **2,821,954**
[13] C

[51] **Int.Cl. D21C 9/14 (2006.01)**
[25] EN
[54] **PROCESS FOR IMPROVING CHLORINE DIOXIDE BLEACHING OF PULP**
[54] **PROCEDE POUR AMELIORER LE BLANCHIMENT PAR LE DIOXYDE DE CHLORE DE LA PATE A PAPIER**
[72] REID, DOUGLAS W., US
[72] ATWOOD, JOHN, US
[72] CARMICHAEL, SCOTT, US
[72] CONNELL, DANIEL, US
[73] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL
[85] 2013-06-17
[86] 2011-12-19 (PCT/EP2011/073265)
[87] (WO2012/084842)
[30] US (61/426,179) 2010-12-22

[11] **2,821,999**
[13] C

[51] **Int.Cl. C07D 235/26 (2006.01) A61K 31/4188 (2006.01) A61P 11/00 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **BENZIMIDAZOLE RESPIRATORY SYNCYTIAL VIRUS INHIBITORS**
[54] **INHIBITEURS BENZIMIDAZOLES DU VIRUS RESPIROTOIRE SYNCYTIAL**
[72] COOYMANS, LUDWIG PAUL, BE
[72] DEMIN, SAMUEL DOMINIQUE, BE
[72] HU, LILI, BE
[72] JONCKERS, TIM HUGO MARIA, BE
[72] RABOISSON, PIERRE JEAN-MARIE BERNARD, BE
[72] TAHRI, ABDELDAH, BE
[72] VENDEVILLE, SANDRINE MARIE HELENE, BE
[73] JANSSEN SCIENCES IRELAND UC, IE
[85] 2013-06-17
[86] 2011-12-16 (PCT/EP2011/073008)
[87] (WO2012/080446)
[30] EP (10195467.5) 2010-12-16

[11] **2,822,020**
[13] C

[51] **Int.Cl. C10B 53/02 (2006.01) C10L 5/44 (2006.01) C10L 9/08 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR TREATING BIOMASS**
[54] **PROCEDE ET DISPOSITIF POUR LE TRAITEMENT DE LA BIOMASSE**
[72] BERGMAN, PETER CHRISTIAAN ALBERT, NL
[73] BLACKWOOD TECHNOLOGY BV, NL
[85] 2013-06-17
[86] 2012-01-27 (PCT/NL2012/050047)
[87] (WO2012/102617)
[30] NL (2006079) 2011-01-27

[11] **2,822,033**
[13] C

[51] **Int.Cl. G01V 8/16 (2006.01) E21B 47/00 (2012.01) G01B 11/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MONITORING STRAIN & PRESSURE**
[54] **SYSTEME ET PROCEDE POUR CONTROLER UNE CONTRAINTE ET UNE PRESSION**
[72] MINCHAU, MICHAEL CHARLES, CA
[72] WEBSTER, PAUL SIMON, CA
[72] WILLS, PETER BERKELEY, US
[72] WINSOR, JONATHAN DION, CA
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2013-06-17
[86] 2011-12-09 (PCT/US2011/064105)
[87] (WO2012/087604)
[30] US (61/425,603) 2010-12-21

**Brevets canadiens délivrés
26 février 2019**

[11] **2,822,110**
[13] C

[51] **Int.Cl. C07F 7/00 (2006.01)**
[25] EN
[54] **METAL ALKYL-ARENES AND PROCESSES FOR THE PREPARATION THEREOF**
[54] **ALKYLARENES METALLIQUES ET LEURS PROCÉDES DE PRÉPARATION**
[72] PAMPALONI, GUIDO, IT
[72] RENILI, FILIPPO, IT
[72] SOMMAZZI, ANNA, IT
[72] MARCHETTI, FABIO, IT
[72] MASI, FRANCESCO, IT
[72] POLESELLO, MARIO, IT
[73] VERSALIS S.P.A., IT
[85] 2013-06-18
[86] 2011-12-23 (PCT/EP2011/073925)
[87] (WO2012/089652)
[30] IT (MI2010A002400) 2010-12-27

[11] **2,822,420**
[13] C

[51] **Int.Cl. D03D 13/00 (2006.01) D03D 15/00 (2006.01) D03D 41/00 (2006.01)**
[25] EN
[54] **TEXTILE MATERIALS COMPRISING TAPES IN TWO OBLIQUE ORIENTATIONS AND ITS METHOD AND MEANS FOR PRODUCTION**
[54] **MATÉRIAUX TEXTILES COMPRENANT DES RUBANS DANS DEUX ORIENTATIONS OBLIQUES ET SON PROCÉDE ET SES MOYENS DE PRODUCTION**
[72] KHOKAR, NANDAN, SE
[73] TAPE WEAVING SWEDEN AB, SE
[73] TAPE WEAVING SWEDEN AB, SE
[85] 2013-06-19
[86] 2012-01-20 (PCT/EP2012/050820)
[87] (WO2012/098209)
[30] EP (11151534.2) 2011-01-20

[11] **2,822,728**
[13] C

[51] **Int.Cl. A24F 47/00 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **AN AEROSOL GENERATING SYSTEM HAVING MEANS FOR HANDLING CONSUMPTION OF A LIQUID SUBSTRATE**
[54] **SYSTÈME DE GÉNÉRATION D'AÉROSOL AYANT DES MOYENS POUR GÉRER LA CONSOMMATION D'UN SUBSTRAT LIQUIDE**
[72] FLICK, JEAN-MARC, CH
[73] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2013-06-21
[86] 2011-12-22 (PCT/EP2011/073795)
[87] (WO2012/085207)
[30] EP (10252234.9) 2010-12-24

[11] **2,822,120**
[13] C

[51] **Int.Cl. C07D 213/78 (2006.01) A61K 31/44 (2006.01) C07D 401/04 (2006.01) C07D 401/12 (2006.01) C07D 407/02 (2006.01) C07D 413/02 (2006.01)**
[25] EN
[54] **SUBSTITUTED 3-HETEROAROYLAMINO-PROPIONIC ACID DERIVATIVES AND THEIR USE AS PHARMACEUTICALS**
[54] **DÉRIVÉS SUBSTITUÉS DE L'ACIDE 3-HÉTÉROAROYLAMINO-PROPIONIQUE ET LEUR UTILISATION COMME COMPOSÉS PHARMACEUTIQUES**
[72] RUF, SVEN, DE
[72] SADOWSKI, THORSTEN, DE
[72] WIRTH, KLAUS, DE
[72] SCHREUDER, HERMAN, DE
[72] BUNING, CHRISTIAN, DE
[73] SANOFI, FR
[85] 2013-06-18
[86] 2012-01-26 (PCT/EP2012/051189)
[87] (WO2012/101197)
[30] EP (11305078.5) 2011-01-26

[11] **2,822,507**
[13] C

[51] **Int.Cl. C10B 47/24 (2006.01) C10B 31/00 (2006.01) C10B 33/00 (2006.01) C10G 9/32 (2006.01)**
[25] EN
[54] **METHOD FOR FEEDING A FLUIDIZED BED COKING REACTOR**
[54] **PROCÉDE POUR L'ALIMENTATION D'UN REACTEUR DE COKEFACTION A LIT FLUIDISE**
[72] BROWN, WAYNE, CA
[73] ETX SYSTEMS INC., CA
[85] 2013-06-20
[86] 2011-12-23 (PCT/CA2011/001392)
[87] (WO2012/083431)
[30] US (61/426,870) 2010-12-23

[11] **2,823,401**
[13] C

[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/496 (2006.01) A61P 35/00 (2006.01) C07D 215/36 (2006.01) C07D 401/14 (2006.01) C07D 405/14 (2006.01) C07D 487/08 (2006.01)**
[25] EN
[54] **THERAPEUTIC COMPOUNDS AND COMPOSITIONS**
[54] **COMPOSÉS ET COMPOSITIONS THÉRAPEUTIQUES**
[72] SALITURO, FRANCESCO G., US
[72] SAUNDERS, JEFFREY O., US
[72] YAN, SHUNQI, US
[73] AGIOS PHARMACEUTICALS, INC., US
[85] 2013-06-27
[86] 2011-12-29 (PCT/US2011/067752)
[87] (WO2012/092442)
[30] US (61/428,030) 2010-12-29

**Canadian Patents Issued
February 26, 2019**

[11] **2,823,817**
[13] C

[51] **Int.Cl. H04L 12/58 (2006.01) H04W 4/12 (2009.01) H04W 4/14 (2009.01)**
[25] EN
[54] **DELIVERY AND MANAGEMENT OF STATUS NOTIFICATIONS FOR MULTIPLE MESSAGE FORMATS**
[54] **DISTRIBUTION ET GESTION DE NOTIFICATIONS DE STATUT POUR DE MULTIPLES FORMATS DE MESSAGE**
[72] CLARKE, MICHAEL FREDERICK HARNES, CA
[72] KALYANASUNDARAM, SANJAY, US
[72] ROEX, CALVIN, CA
[73] BLACKBERRY LIMITED, CA
[85] 2013-07-04
[86] 2012-01-06 (PCT/CA2012/050006)
[87] (WO2012/092679)
[30] US (61/430,455) 2011-01-06

[11] **2,824,074**
[13] C

[51] **Int.Cl. H01J 37/32 (2006.01) B05D 3/14 (2006.01) C23C 16/04 (2006.01)**
[25] EN
[54] **PLASMA TREATMENT APPARATUS FOR PRODUCING COATINGS**
[54] **DISPOSITIF DE TRAITEMENT PLASMA POUR LA FABRICATION DE REVETEMENTS**
[72] BICKER, MATTHIAS, DE
[72] LOHMEYER, MANFRED, DE
[72] BAUCH, HARTMUT, DE
[73] SCHOTT AG, DE
[85] 2013-07-08
[86] 2012-01-17 (PCT/EP2012/000162)
[87] (WO2012/097972)
[30] DE (10 2011 009 057.6) 2011-01-20

[11] **2,824,322**
[13] C

[51] **Int.Cl. B61D 17/10 (2006.01) B60D 5/00 (2006.01) B61D 17/20 (2006.01)**
[25] EN
[54] **RAIL VEHICLE BRIDGE**
[54] **PASSERELLE DE VEHICULE FERROVIAIRE**
[72] PALDAN, FRANTISEK, SK
[72] STEININGER, FRANZ, AT
[72] STEINER, STEFAN, AT
[72] FIEDLER, THOMAS, AT
[73] BOMBARDIER TRANSPORTATION GMBH, DE
[85] 2013-07-10
[86] 2012-01-26 (PCT/EP2012/051196)
[87] (WO2012/101201)
[30] DE (10 2011 009 767.8) 2011-01-28

[11] **2,824,417**
[13] C

[51] **Int.Cl. A61K 39/04 (2006.01) A61K 35/74 (2015.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **MYCOBACTERIUM W FOR USE IN TREATING CANCER**
[54] **MYCOBACTERIE W DESTINEE AU TRAITEMENT DU CANCER**
[72] KHAMAR, BAKULESH MAFATLAL, IN
[72] MODI, INDRAVADAN AMBALAL (DECEASED), IN
[73] CADILA PHARMACEUTICALS LIMITED, IN
[85] 2013-07-10
[86] 2012-01-10 (PCT/IB2012/050120)
[87] (WO2012/095789)
[30] IN (92/MUM/2011) 2011-01-11

[11] **2,824,468**
[13] C

[51] **Int.Cl. H01H 9/10 (2006.01) H01H 21/16 (2006.01) H01H 71/12 (2006.01)**
[25] EN
[54] **FUSIBLE SWITCHING DISCONNECT MODULES AND DEVICES WITH TRIPPING COIL**
[54] **MODULES DE DECONNEXION DE COMMUTATION FUSIBLES ET DISPOSITIFS A BOBINE DE DECLenchement**
[72] DARR, MATTHEW RAIN, US
[72] KAMATH, HUNDI PANDURANGA, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2013-07-11
[86] 2012-01-09 (PCT/US2012/020621)
[87] (WO2012/099737)
[30] US (13/008,988) 2011-01-19

[11] **2,824,516**
[13] C

[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/506 (2006.01) A61P 31/04 (2006.01) C07F 9/6558 (2006.01)**
[25] EN
[54] **PYRIMIDINE GYRASE AND TOPOISOMERASE IV INHIBITORS**
[54] **INHIBITEURS DE PYRIMIDINE GYRASE ET TOPOISOMERASE IV**
[72] LE TIRAN, ARNAUD, FR
[72] GRILLOT, ANNE-LAURE, US
[72] CHARIFSON, PAUL, S., US
[72] BENNANI, YOUSSEF LAAFIRET, CA
[72] O'DOWD, HARDWIN, US
[72] PEROLA, EMANUELE, US
[73] SPERO TRINEM, INC., US
[85] 2013-07-10
[86] 2012-01-13 (PCT/US2012/021270)
[87] (WO2012/097269)
[30] US (61/432,965) 2011-01-14
[30] US (61/499,134) 2011-06-20
[30] US (61/515,174) 2011-08-04
[30] US (61/515,249) 2011-08-04

**Brevets canadiens délivrés
26 février 2019**

[11] **2,824,577**
[13] C

[51] **Int.Cl. B23D 59/00 (2006.01) B23Q 11/00 (2006.01) B24B 55/10 (2006.01) B27G 19/02 (2006.01) B27G 19/04 (2006.01) B28D 7/02 (2006.01)**

[25] EN

[54] **CUTTING AND DUST OR SLURRY COLLECTING ASSEMBLY AND WORKING MACHINE**

[54] **ENSEMBLE DE COUPE ET DE COLLECTE DE POUSSIERE OU DE BOUE ET MACHINE-OUTIL**

[72] CARLSSON, PAR, SE

[72] PINZANI, HAKAN, SE

[72] VARELA, PAULO, SE

[73] HUSQVARNA AB, SE

[85] 2013-07-11

[86] 2012-01-18 (PCT/SE2012/000002)

[87] (WO2012/099522)

[30] SE (PCT/SE2011/050053) 2011-01-18

[30] SE (SE 1150915-5) 2011-10-04

[11] **2,824,586**
[13] C

[51] **Int.Cl. B01D 53/04 (2006.01) B01D 39/16 (2006.01)**

[25] EN

[54] **MULTILAYERED MIXED BED FILTER FOR THE REMOVAL OF TOXIC GASES FROM AIR STREAMS AND METHODS THEREOF**

[54] **FILTRE MULTICOUCHE A LIT MIXTE POUR ELIMINER LES GAZ TOXIQUES PROVENANT DE FLUX D'AIR ET SES PROCEDES**

[72] AIKENS, CHRISTOPHER L., US

[72] KOPER, OLGA B., US

[72] WINECKI, SLAWOMIR, US

[72] QUIRING, AMY ELIZABETH, US

[72] MATYJASZCZYK, MACIEJ STANISLAW, US

[72] KELLER, MARTIN, US

[73] SCOTT TECHNOLOGIES, INC., US

[73] NANOSCALE MATERIALS, INC., US

[85] 2013-07-11

[86] 2012-01-20 (PCT/US2012/021948)

[87] (WO2012/100113)

[30] US (61/434,752) 2011-01-20

[11] **2,824,826**
[13] C

[51] **Int.Cl. H04L 29/06 (2006.01) H04W 12/02 (2009.01)**

[25] EN

[54] **MOBILE DEVICE SECURITY**

[54] **SECURITE DE DISPOSITIF MOBILE**

[72] CHANDRASEKARAN, GURU PARAN, GB

[72] BITTAU, ANDREA, GB

[73] SCENTRICS INFORMATION SECURITY TECHNOLOGIES LTD, GB

[85] 2013-07-15

[86] 2012-01-30 (PCT/GB2012/050192)

[87] (WO2012/101458)

[30] GB (1101507.0) 2011-01-28

[11] **2,825,092**
[13] C

[51] **Int.Cl. H02G 15/007 (2006.01) G02B 6/44 (2006.01) H01R 13/58 (2006.01) H02G 15/08 (2006.01) E21B 47/13 (2012.01)**

[25] EN

[54] **TUBULAR ELECTRIC CABLE FITTINGS WITH STRAIN RELIEF**

[54] **RACCORDS DE CABLE ELECTRIQUE TUBULAIRE A LIBERATION DE CONTRAINTE**

[72] GODAGER, OIVIND, NO

[73] SENSOR DEVELOPMENTS AS, NO

[85] 2013-07-18

[86] 2012-03-07 (PCT/GB2012/000222)

[87] (WO2012/120258)

[30] GB (1104115.9) 2011-03-10

[11] **2,825,143**
[13] C

[51] **Int.Cl. C01B 32/50 (2017.01) B01D 53/14 (2006.01) B01D 53/62 (2006.01)**

[25] EN

[54] **METHOD FOR IMPROVING TOTAL ENERGY DEMAND IN A POST-COMBUSTION CARBON CAPTURE PROCESS WITH IONIC ABSORBENT**

[54] **PROCEDE POUR AMELIORER LA DEMANDE EN ENERGIE TOTALE DANS UN PROCEDURE DE CAPTURE DE CARBONE POST-COMBUSTION A L'AIDE D'UN ABSORBANT IONIQUE**

[72] COOPER, RUSSELL EVAN, US

[72] CHINN, DANIEL, US

[72] HE, ZUNQING, US

[72] DAVIS, JAMES H., US

[72] WEST, KEVIN N., US

[72] TIMKEN, HYE HYUNG, US

[72] DRIVER, MICHAEL S., US

[73] CHEVRON U.S.A. INC., US

[73] UNIVERSITY OF SOUTH ALABAMA, US

[85] 2013-07-18

[86] 2011-12-23 (PCT/US2011/067206)

[87] (WO2012/092204)

[30] US (61/460,336) 2010-12-30

**Canadian Patents Issued
February 26, 2019**

[11] **2,825,306**
[13] C

[51] **Int.Cl. C07D 403/10 (2006.01) A61K 31/496 (2006.01) A61P 35/00 (2006.01) C07D 403/14 (2006.01)**

[25] EN

[54] **BCL-2/BCL-XL INHIBITORS AND THERAPEUTIC METHODS USING THE SAME**

[54] **INHIBITEURS DE BCL-2/BCL-XL ET METHODES THERAPEUTIQUES LES UTILISANT**

[72] WANG, SHAOMENG, US
[72] ZHOU, HAIBIN, US
[72] CHEN, JIANFANG, US
[72] AGUILAR, ANGELO, US
[72] MEAGHER, JENNIFER LYNN, US
[72] SUN, DUXIN, US
[72] YANG, CHAO-YIE, US
[72] LIU, LIU, US
[72] BAI, LONGCHUAN, US
[72] MCEACHERM, DONNA, US
[72] STUCKEY, JEANNE, US
[72] LI, XIAOQIN, US
[73] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US
[85] 2013-07-19
[86] 2012-01-24 (PCT/US2012/022315)
[87] (WO2012/103059)
[30] US (61/436,077) 2011-01-25

[11] **2,825,436**
[13] C

[51] **Int.Cl. H01M 4/90 (2006.01)**

[25] EN

[54] **CORE-SHELL STRUCTURED BIFUNCTIONAL CATALYSTS FOR METAL AIR BATTERY/FUEL CELL**

[54] **CATALYSEURS BIFONCTIONNELS A STRUCTURE NOYAU-ENVELOPPE POUR ACCUMULATEUR METAL-AIR/PILE A COMBUSTIBLE**

[72] CHEN, ZHONGWEI, CA
[72] CHEN, ZHU, CA
[73] CHEN, ZHONGWEI, CA
[73] CHEN, ZHU, CA
[85] 2013-07-23
[86] 2012-01-27 (PCT/CA2012/050050)
[87] (WO2012/100354)
[30] US (61/457,200) 2011-01-28

[11] **2,825,648**
[13] C

[51] **Int.Cl. B22F 3/105 (2006.01) B23K 26/342 (2014.01)**

[25] FR

[54] **SINTERING AND LASER FUSION DEVICE, COMPRISING A MEANS FOR HEATING POWDER BY INDUCTION**

[54] **DISPOSITIF DE FRITTAGE ET FUSION PAR LASER COMPRENANT UN MOYEN DE CHAUFFAGE DE LA POUDRE PAR INDUCTION**

[72] FLESCH, THIERRY, FR
[72] MOTTIN, JEAN-BAPTISTE, FR
[73] SNECMA, FR
[85] 2013-07-24
[86] 2012-01-30 (PCT/FR2012/050196)
[87] (WO2012/104536)
[30] FR (1150795) 2011-02-01

[11] **2,825,723**
[13] C

[51] **Int.Cl. A63C 13/02 (2006.01)**

[25] EN

[54] **SNOWSHOE**

[54] **RAQUETTE A NEIGE**

[72] KREUTZER, DEBRA J., US
[72] PAGE, JAMES S., US
[72] PAGE, MATT E., US
[73] KREUTZER, DEBRA J., US
[85] 2013-07-24
[86] 2012-02-09 (PCT/US2012/024516)
[87] (WO2012/109463)
[30] US (61/441,188) 2011-02-09
[30] US (13/218,192) 2011-08-25

[11] **2,825,796**
[13] C

[51] **Int.Cl. C09K 8/575 (2006.01) C08G 65/00 (2006.01)**

[25] EN

[54] **WELLBORE STRENGTHENING COMPOSITION**

[54] **COMPOSITION DE RENFORCEMENT DE Puits DE FORAGE**

[72] METTATH, SASHIKUMAR, US
[73] M-I L.L.C., US
[85] 2013-07-25
[86] 2012-01-26 (PCT/US2012/022728)
[87] (WO2012/103338)
[30] US (61/436,339) 2011-01-26

[11] **2,825,832**
[13] C

[51] **Int.Cl. A61M 16/20 (2006.01) A61B 5/02 (2006.01)**

[25] EN

[54] **PRESSURE RELIEF DEVICE AND SYSTEM**

[54] **DISPOSITIF ET SYSTEME DE DECOMPRESSION**

[72] DUGAN, GREG J., US
[72] RUSTAD, ANDRE M., US
[72] PIERRO, BRIAN W., US
[73] CAREFUSION 207, INC., US
[85] 2013-07-25
[86] 2012-01-27 (PCT/US2012/023038)
[87] (WO2012/103526)
[30] US (61/437,479) 2011-01-28
[30] US (13/359,773) 2012-01-27

[11] **2,826,009**
[13] C

[51] **Int.Cl. A01N 25/22 (2006.01) A01C 1/06 (2006.01) A01N 25/26 (2006.01) A01N 63/00 (2006.01) A01P 21/00 (2006.01) C12N 1/04 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR REDUCING SEED BRIDGING**

[54] **PROCEDES ET COMPOSITIONS POUR REDUIRE L'AGGLOMERATION DE SEMENCES**

[72] PEARCE, JEREMY D., GB
[72] CARGEEG, R.D. PIRAN, CA
[73] BECKER-UNDERWOOD, INC., US
[85] 2013-07-29
[86] 2012-02-10 (PCT/US2012/024579)
[87] (WO2012/109503)
[30] US (61/442,027) 2011-02-11

**Brevets canadiens délivrés
26 février 2019**

[11] **2,826,136**
[13] C

[51] **Int.Cl. A01C 7/20 (2006.01)**
[25] EN
[54] **ROW UNIT OF AN AGRICULTURAL IMPLEMENT WITH MULTIPLE LOCATIONS FOR MOUNTING A GAUGE WHEEL**
[54] **RAYONNEUR D'UNE MACHINE AGRICOLE A EMPLACEMENTS MULTIPLES POUR LA FIXATION D'UNE ROUE DE JAUGE**
[72] ANDERSON, BRIAN J., US
[72] DIENST, JOHNATHON R., US
[73] CNH INDUSTRIAL AMERICA LLC, US
[86] (2826136)
[87] (2826136)
[22] 2013-09-04
[30] US (13/737,562) 2013-01-09

[11] **2,826,141**
[13] C

[51] **Int.Cl. F28F 1/12 (2006.01) F28F 13/00 (2006.01) F28F 21/02 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER WITH FOAM FINS**
[54] **ECHANGEUR DE CHALEUR A AILETTES EN MOUSSE**
[72] MAURER, SCOTT M., US
[72] NAGURNY, NICHOLAS J., US
[72] ELLER, MICHAEL R., US
[72] KLETT, JAMES W., US
[73] LOCKHEED MARTIN CORPORATION, US
[85] 2013-07-30
[86] 2012-02-03 (PCT/US2012/023788)
[87] (WO2012/106606)
[30] US (61/439,562) 2011-02-04
[30] US (13/365,456) 2012-02-03

[11] **2,826,400**
[13] C

[51] **Int.Cl. E06B 3/48 (2006.01)**
[25] EN
[54] **SECTIONAL DOOR PARTICULARLY FOR A GARAGE**
[54] **PORTE EN SECTIONS, EN PARTICULIER POUR GARAGE**
[72] TADDEI, SILVIO, IT
[73] SILVENTA S.R.L., IT
[73] DELTA S.P.A., IT
[85] 2013-08-01
[86] 2012-01-20 (PCT/IB2012/000077)
[87] (WO2012/117277)
[30] IT (VR2011A000040) 2011-03-01

[11] **2,826,440**
[13] C

[51] **Int.Cl. B66F 9/22 (2006.01) B66F 17/00 (2006.01)**
[25] EN
[54] **MATERIALS HANDLING VEHICLE ESTIMATING A SPEED FROM A MOVABLE ASSEMBLY FROM A LIFT MOTOR SPEED**
[54] **VEHICULE DE MANIPULATION DE MATERIAUX CONCU POUR ESTIMER LA VITESSE D'UN ENSEMBLE MOBILE A PARTIR DE LA VITESSE DU MOTEUR D'UN APPAREIL DE LEVAGE**
[72] DAMMEYER, KARL L., US
[72] HOLBROOK, ERIC D., US
[72] IHLE, DARRIN R., US
[72] MCCLAIN, MARC A., US
[72] WALTZ, LUCAS B., US
[73] CROWN EQUIPMENT CORPORATION, US
[85] 2013-08-01
[86] 2012-02-13 (PCT/US2012/024838)
[87] (WO2012/112431)
[30] US (61/443,302) 2011-02-16
[30] US (61/560,480) 2011-11-16

[11] **2,826,470**
[13] C

[51] **Int.Cl. F17C 3/02 (2006.01)**
[25] FR
[54] **ATTACHMENT OF INSULATING PANELS ONTO A SUPPORTING WALL IN A REPEATING PATTERN**
[54] **FIXATION DE PANNEAUX ISOLANTS SUR UNE PAROI PORTEUSE SELON UN MOTIF REPETE**
[72] GAZEAU, JAMES, FR
[73] GAZTRANSPORT ET TECHNIGAZ, FR
[85] 2013-08-02
[86] 2012-02-14 (PCT/FR2012/050314)
[87] (WO2012/117180)
[30] FR (1151651) 2011-03-01

[11] **2,826,616**
[13] C

[51] **Int.Cl. E03D 11/02 (2006.01) E03D 1/26 (2006.01)**
[25] EN
[54] **HIGH PERFORMANCE TOILET WITH RIM-JET CONTROL CAPABLE OF ENHANCED OPERATION AT REDUCED FLUSH VOLUMES**
[54] **TOILETTE A HAUTES PERFORMANCES, A REGULATION DU JET AU NIVEAU DU BORD, DONT LE FONCTIONNEMENT EST AMELIORE A DES VOLUMES DE CHASSE REDUITS**
[72] MCHALE, JAMES, US
[72] BUCHER, CHRISTOPHE, US
[72] GROVER, DAVID, US
[72] ZHOU, JIAN, US
[73] AS IP HOLDCO, L.L.C., US
[85] 2013-08-02
[86] 2012-02-03 (PCT/US2012/023888)
[87] (WO2012/106685)
[30] US (61/439,827) 2011-02-04

[11] **2,827,034**
[13] C

[51] **Int.Cl. A61M 1/00 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR TISSUE TRANSFER**
[54] **DISPOSITIFS ET PROCEDES DE TRANSFERT DE TISSU**
[72] GURTNER, GEOFFREY C., US
[72] ROSENTHAL, MICHAEL H., US
[72] DOMECUS, BRIAN J., US
[72] GITTINGS, DARIN, US
[72] HONG, KINMAN, US
[73] LIFECELL CORPORATION, US
[85] 2013-08-09
[86] 2012-02-10 (PCT/US2012/024744)
[87] (WO2012/109603)
[30] US (61/442,060) 2011-02-11
[30] US (61/489,811) 2011-05-25
[30] US (61/510,967) 2011-07-22

**Canadian Patents Issued
February 26, 2019**

[11] **2,827,172**
[13] C

[51] **Int.Cl. C07D 239/42 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 401/12 (2006.01)**

[25] EN
[54] **SELECTIVE FAK INHIBITORS**
[54] **INHIBITEURS SELECTIFS DE FAK**

[72] HOLMES, IAN PETER, AU
[72] BERGMAN, YLVA, AU
[72] LUNNISS, GILLIAN ELIZABETH, AU

[72] NIKAC, MARICA, AU
[72] CHOI, NEIL, AU
[72] HEMLEY, CATHERINE FAE, AU
[72] WALKER, SCOTT RAYMOND, AU
[72] FOITZIK, RICHARD CHARLES, AU
[72] GANAME, DANNY, AU
[72] LESSENE, ROMINA, AU
[73] CANCER THERAPEUTICS CRC PTY LIMITED, AU

[85] 2013-08-12
[86] 2012-02-17 (PCT/GB2012/000176)
[87] (WO2012/110774)
[30] US (61/443,773) 2011-02-17
[30] US (61/523,489) 2011-08-15
[30] US (61/579,729) 2011-12-23

[11] **2,827,437**
[13] C

[51] **Int.Cl. B23Q 3/06 (2006.01)**

[25] EN
[54] **CLAMPING FIXTURE**
[54] **DISPOSITIF DE SERRAGE**

[72] HEDIGER, HANS, CH
[73] EROWA AG, CH

[86] (2827437)
[87] (2827437)
[22] 2013-09-18
[30] CH (01421/13) 2013-08-20

[11] **2,827,621**
[13] C

[51] **Int.Cl. H04N 13/271 (2018.01) H04N 19/597 (2014.01) H04N 13/128 (2018.01) G06T 7/20 (2017.01) G06T 15/20 (2011.01)**

[25] EN
[54] **IMAGE PROCESSING APPARATUS AND IMAGE PROCESSING METHOD**
[54] **DISPOSITIF DE TRAITEMENT D'IMAGE ET PROCEDE DE TRAITEMENT D'IMAGE**

[72] TAKAHASHI, YOSHITOMO, JP
[72] HATTORI, SHINOBU, JP
[72] SAKURAI, HIRONARI, JP
[73] SONY CORPORATION, JP

[85] 2013-08-16
[86] 2012-03-09 (PCT/JP2012/056084)
[87] (WO2012/128070)
[30] JP (2011-061486) 2011-03-18
[30] JP (2011-188815) 2011-08-31
[30] JP (2012-019024) 2012-01-31

[11] **2,828,980**
[13] C

[51] **Int.Cl. D01F 2/00 (2006.01) D01D 1/02 (2006.01) D01D 5/40 (2006.01) D01F 2/24 (2006.01) D21H 13/00 (2006.01) D21H 15/00 (2006.01) D01D 5/04 (2006.01)**

[25] EN
[54] **METHOD FOR DRY SPINNING NEUTRAL AND ANIONICALLY MODIFIED CELLULOSE AND FIBRES MADE USING THE METHOD**
[54] **PROCEDE DE FILAGE A SEC DE CELLULOSE NEUTRE ET MODIFIEE AU PLAN ANIONIQUE ET FIBRES FABRIQUEES EN UTILISANT LE PROCEDE**

[72] GRAVESON, IAN, GB
[72] TURNER, PHILIP, GB
[73] SAPPI NETHERLANDS SERVICES B.V., NL

[85] 2013-09-04
[86] 2012-03-08 (PCT/EP2012/053987)
[87] (WO2012/120073)
[30] EP (11157311.9) 2011-03-08

[11] **2,829,092**
[13] C

[51] **Int.Cl. E21B 47/135 (2012.01) E21B 47/10 (2012.01)**

[25] EN
[54] **INTEGRATED FIBER OPTIC MONITORING SYSTEM FOR A WELLSITE AND METHOD OF USING SAME**
[54] **SYSTEME DE CONTROLE A FIBRES OPTIQUES INTEGRE POUR SITE DE Puits ET SON PROCEDE D'UTILISATION**

[72] PEARCE, JEREMIAH GLEN, US
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL

[85] 2013-09-04
[86] 2012-03-08 (PCT/US2012/028199)
[87] (WO2012/122336)
[30] US (61/450,942) 2011-03-09

[11] **2,829,170**
[13] C

[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/44 (2006.01) A61K 31/4406 (2006.01) A61K 31/501 (2006.01) A61K 31/506 (2006.01) A61K 31/55 (2006.01) A61P 25/18 (2006.01) A61P 25/28 (2006.01) A61P 25/30 (2006.01) C07D 401/14 (2006.01) C07D 403/04 (2006.01)**

[25] EN
[54] **ETHYNYL DERIVATIVES AS POSITIVE ALLOSTERIC MODULATORS OF THE MGLUR5**
[54] **DERIVES D'ETHYNYLE COMME MODULATEURS ALLOSTERIQUES POSITIFS DE MGLUR5**

[72] JAESCHKE, GEORG, CH
[72] JOLIDON, SYNESE, CH
[72] LINDEMANN, LOTHAR, CH
[72] STADLER, HEINZ, CH
[72] VIEIRA, ERIC, CH
[73] F. HOFFMANN-LA ROCHE AG, CH

[85] 2013-09-05
[86] 2012-04-23 (PCT/EP2012/057335)
[87] (WO2012/146551)
[30] EP (11163683.3) 2011-04-26

**Brevets canadiens délivrés
26 février 2019**

[11] **2,829,171**
[13] C

[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/45 (2006.01) A61P 25/00 (2006.01) C07D 403/04 (2006.01) C07D 487/04 (2006.01)**

[25] EN

[54] **PYRAZOLIDIN-3-ONE DERIVATIVES**

[54] **DERIVES DE PYRAZOLIDINE-3-ONE**

[72] JAESCHKE, GEORG, CH

[72] JOLIDON, SYNESE, CH

[72] LINDEMANN, LOTHAR, CH

[72] RICCI, ANTONIO, CH

[72] RUEHER, DANIEL, FR

[72] STADLER, HEINZ, CH

[72] VIEIRA, ERIC, CH

[73] F. HOFFMANN-LA ROCHE AG, CH

[85] 2013-09-05

[86] 2012-04-23 (PCT/EP2012/057336)

[87] (WO2012/146552)

[30] EP (11163708.8) 2011-04-26

[11] **2,829,318**
[13] C

[51] **Int.Cl. E21B 17/07 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR DAMPING VIBRATION IN A DRILL STRING**

[54] **APPAREIL ET PROCEDE POUR AMORTIR UNE VIBRATION DANS UN TRAIN DE TIGES DE FORAGE**

[72] TURNER, WILLIAM EVANS, US

[72] HUTCHINSON, MARK, US

[72] BOSMAN, DIRK, AE

[72] WASSELL, MARK ELLSWORTH, US

[72] PERRY, CARL ALLISON, US

[72] COBERN, MARTIN E., US

[73] APS TECHNOLOGY, INC., US

[85] 2013-09-05

[86] 2012-02-27 (PCT/US2012/026723)

[87] (WO2012/161816)

[30] US (13/041,863) 2011-03-07

[11] **2,829,421**
[13] C

[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01)**

[25] EN

[54] **AMATOXIN-CONJUGATES WITH IMPROVED LINKAGES**

[54] **CONJUGES D'AMATOXINE A LIAISONS AMELIOREES**

[72] SIMON, WERNER, DE

[72] LUTZ, CHRISTIAN, DE

[72] MULLER, CHRISTOPH, DE

[72] ANDERL, JAN, DE

[73] HEIDELBERG PHARMA GMBH, DE

[85] 2013-09-09

[86] 2012-03-09 (PCT/EP2012/001072)

[87] (WO2012/119787)

[30] EP (11001999.9) 2011-03-10

[11] **2,829,587**
[13] C

[51] **Int.Cl. A47J 31/06 (2006.01) A47J 31/46 (2006.01)**

[25] EN

[54] **BEVERAGE PREPARATION DEVICE WITH A DEFORMABLE OUTLET PASSAGE**

[54] **DISPOSITIF DE PREPARATION DE BOISSON DOTE D'UN CONDUIT DE SORTIE DEFORMABLE**

[72] VERDUIN, MENNO ALEXANDER, NL

[72] NOORDANUS, MAXIMILIAAN, NL

[73] BRAVILOR HOLDING B.V., NL

[85] 2013-09-09

[86] 2012-03-06 (PCT/NL2012/050138)

[87] (WO2012/121598)

[30] NL (2006361) 2011-03-09

[11] **2,829,785**
[13] C

[51] **Int.Cl. A61K 31/519 (2006.01) C07D 495/04 (2006.01)**

[25] EN

[54] **ENANTIOMERS OF FLUCONAZOLE ANALOGUES CONTAINING THIENO-[2,3-D]PYRIMIDIN-4(3H)-ONE MOIETY AS ANTIFUNGAL AGENTS**

[54] **ENANTIOMERES D'ANALOGUES DE FLUCONAZOLE CONTENANT UNE FRACTION THIENO-[2,3-D]PYRIMIDIN-4(3H)-ONE EN TANT QU'AGENTS ANTIFONGIQUES**

[72] BORATE, HANUMANT BAPURAO, IN

[72] SAWARGAVE, SANGMESHWER PRABHAKAR, IN

[72] CHAVAN, SUBHASH PRATAPRAO, IN

[72] CHANDAVARKAR, MOHAN ANAND, IN

[72] IYER, RAMKRISHNAN RAMACHANDRAN, IN

[72] NAWATHYE, VIKAS VASANT, IN

[72] CHAVAN, GAJANAN JALINDAR, IN

[72] TAWTE, AMIT CHANDRAKANT, IN

[72] RAO, DEEPAI DAMODAR, IN

[72] MAUJAN, SULEMAN RIYAJSAHEB, IN

[73] FDC LIMITED, IN

[73] COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, IN

[85] 2013-09-11

[86] 2011-05-31 (PCT/IN2011/000371)

[87] (WO2012/123952)

[30] IN (735/MUM/2011) 2011-03-15

[11] **2,830,079**
[13] C

[51] **Int.Cl. A61F 2/18 (2006.01) A61F 11/00 (2006.01)**

[25] EN

[54] **EAR SCAFFOLD SUPPORT POUR OREILLE**

[72] KANG, NORBERT, GB

[72] HAINES, MARIE-CLAIRE, GB

[73] NORTHWOOD MEDICAL INNOVATION LIMITED, GB

[85] 2013-09-12

[86] 2012-03-28 (PCT/GB2012/000282)

[87] (WO2012/136950)

[30] GB (GB1105744.5) 2011-04-05

[30] GB (GB1105745.2) 2011-04-05

[30] GB (GB1105746.0) 2011-04-05

Canadian Patents Issued
February 26, 2019

[11] **2,830,138**
[13] C

[51] Int.Cl. C07D 401/14 (2006.01) C07D 403/12 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01) C07D 411/14 (2006.01) C07D 417/14 (2006.01)

[25] EN

[54] PESTICIDAL PYRAZOLE COMPOUNDS

[54] COMPOSES DE PYRAZOLE PESTICIDE

[72] DEFIEBER, CHRISTIAN, DE

[72] SORDEL, SEBASTIAN, DE

[72] SALINGER, DANIEL, DE

[72] LE VEZOUET, RONAN, DE

[72] KORBER, KARSTEN, DE

[72] GROSS, STEFFEN, DE

[72] CULBERTSON, DEBORAH L., US

[72] GUNJIMA, KOSHI, US

[73] BASF SE, DE

[85] 2013-09-13

[86] 2012-04-16 (PCT/EP2012/056875)

[87] (WO2012/143317)

[30] US (61/477,620) 2011-04-21

[11] **2,830,157**
[13] C

[51] Int.Cl. C07D 205/04 (2006.01) A61K 31/426 (2006.01) A61K 31/4402 (2006.01) A61K 31/4545 (2006.01) A61K 31/495 (2006.01) A61K 31/496 (2006.01) A61K 31/505 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) A61K 31/551 (2006.01) A61P 1/02 (2006.01) A61P 1/04 (2006.01) A61P 1/16 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01) A61P 9/00 (2006.01) A61P 9/10 (2006.01) A61P 9/12 (2006.01) A61P 11/00 (2006.01) A61P 11/06 (2006.01) A61P 13/12 (2006.01) A61P 17/00 (2006.01) A61P 17/04 (2006.01) A61P 17/06 (2006.01) A61P 19/02 (2006.01) A61P 19/06 (2006.01) A61P 21/00 (2006.01) A61P 25/00 (2006.01) A61P 25/04 (2006.01) A61P 25/28 (2006.01) A61P 27/02 (2006.01) A61P 29/00 (2006.01) A61P 37/00 (2006.01) A61P 37/02 (2006.01) A61P 37/06 (2006.01) A61P 43/00 (2006.01) C07D 211/26 (2006.01) C07D 211/46 (2006.01) C07D 211/56 (2006.01) C07D 211/58 (2006.01) C07D 211/62 (2006.01) C07D 213/38 (2006.01) C07D 213/74 (2006.01) C07D 213/79 (2006.01) C07D 213/80 (2006.01) C07D 213/81 (2006.01) C07D 217/06 (2006.01) C07D 217/22 (2006.01) C07D 237/20 (2006.01) C07D 239/34 (2006.01) C07D 239/42 (2006.01) C07D 239/48 (2006.01) C07D 241/04 (2006.01)

C07D 241/20 (2006.01) C07D 243/08 (2006.01) C07D 277/20 (2006.01) C07D 277/42 (2006.01) C07D 277/44 (2006.01) C07D 277/46 (2006.01) C07D 277/56 (2006.01) C07D 277/62 (2006.01) C07D 295/08 (2006.01) C07D 295/18 (2006.01) C07D 295/20 (2006.01) C07D 295/22 (2006.01) C07D 307/24 (2006.01) C07D 309/04 (2006.01) C07D 309/06 (2006.01) C07D 309/08 (2006.01) C07D 309/14 (2006.01) C07D 401/04 (2006.01) C07D 401/06 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 403/04 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01) C07D 405/04 (2006.01) C07D 405/06 (2006.01) C07D 405/12 (2006.01) C07D 405/14 (2006.01) C07D 409/12 (2006.01) C07D 413/04 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 417/12 (2006.01) C07D 471/04 (2006.01) C07D 471/10 (2006.01) C07D 487/04 (2006.01) C07D 487/08 (2006.01) C07D 487/10 (2006.01) C07D 495/04 (2006.01) C07D 513/04 (2006.01)

[25] EN

[54] GUANIDINE COMPOUND

[54] COMPOSE DE GUANIDINE

[72] YOSHIHARA, KOUSEI, JP

[72] SUZUKI, DAISUKE, JP

[72] YAMAKI, SUSUMU, JP

[72] YAMADA, HIROYOSHI, JP

[72] MIHARA, HISASHI, JP

[72] SEKI, NORIO, JP

[73] ASTELLAS PHARMA INC., JP

[85] 2013-09-13

[86] 2012-03-13 (PCT/JP2012/056429)

[87] (WO2012/124696)

[30] JP (2011-056031) 2011-03-15

[11] **2,830,315**
[13] C

[51] Int.Cl. B21D 51/26 (2006.01)

[25] EN

[54] APPARATUS FOR HOLDING A CONTAINER

[54] APPAREIL DE MAINTIEN DE CONTENANT

[72] DUNWOODY, PAUL ROBERT, GB

[73] CROWN PACKAGING TECHNOLOGY, INC., US

[85] 2013-09-16

[86] 2012-03-06 (PCT/EP2012/053826)

[87] (WO2012/126723)

[30] EP (11158968.5) 2011-03-21

[11] **2,830,468**
[13] C

[51] Int.Cl. B66C 13/08 (2006.01) E02F 3/36 (2006.01)

[25] EN

[54] METHOD AND ARRANGEMENT RELATED TO A ROTATOR

[54] PROCEDE ET AGENCEMENT ASSOCIES A UN ROTATEUR

[72] HARR, JOAKIM, SE

[73] INDEXATOR ROTATOR SYSTEMS AB, SE

[85] 2013-09-17

[86] 2012-03-22 (PCT/SE2012/000042)

[87] (WO2012/134370)

[30] SE (SE 1100225-0) 2011-03-26

[11] **2,830,707**
[13] C

[51] Int.Cl. F16K 31/02 (2006.01) F16K 35/00 (2006.01) G05B 9/02 (2006.01) G05D 7/06 (2006.01)

[25] EN

[54] CONTROL AND SAFETY CIRCUIT FOR GAS DELIVERY VALVES

[54] CIRCUIT DE COMMANDE ET DE SECURITE POUR SOUPAPES DE DISTRIBUTION DE GAZ

[72] VENDRAMINI, ANTONIO, IT

[73] SIT S.P.A., IT

[85] 2013-09-19

[86] 2012-03-13 (PCT/EP2012/054333)

[87] (WO2012/126768)

[30] IT (PD2011A000090) 2011-03-24

[11] **2,830,778**
[13] C

[51] Int.Cl. A61L 31/08 (2006.01) A61B 5/151 (2006.01) G01N 33/48 (2006.01)

[25] EN

[54] ANALYTICAL AID WITH HYDROPHILIC COATING CONTAINING NANOPARTICLES WITH SILICA STRUCTURE

[54] MOYEN AUXILIAIRE D'ANALYSE A REVETEMENT HYDROPHILE CONTENANT DES NANOPARTICULES A STRUCTURE DE DIOXYDE DE SILICIUM

[72] GREIWE, PETER, DE

[72] BABIC, BRANISLAV, DE

[73] F. HOFFMANN-LA ROCHE AG, CH

[85] 2013-09-19

[86] 2012-03-21 (PCT/EP2012/054993)

[87] (WO2012/126945)

[30] EP (11159172.3) 2011-03-22

**Brevets canadiens délivrés
26 février 2019**

[11] **2,830,891**
[13] C

- [51] **Int.Cl. F03B 13/16 (2006.01)**
[25] EN
[54] **WAVE ENERGY CONVERTER WITH ASYMMETRICAL FLOAT**
[54] **CONVERTISSEUR D'ENERGIE DES VAGUES DOTE D'UN FLOTTEUR ASYMETRIQUE**
[72] TAYLOR, GEORGE W., US
[72] GERBER, JAMES S., US
[73] OCEAN POWER TECHNOLOGIES, INC., US
[85] 2013-09-19
[86] 2011-08-01 (PCT/US2011/001350)
[87] (WO2012/134422)
[30] US (13/065,673) 2011-03-28

[11] **2,831,298**
[13] C

- [51] **Int.Cl. A47K 10/34 (2006.01) B65H 16/08 (2006.01)**
[25] EN
[54] **PINCH ROLLER ASSEMBLY FOR A DISPENSER**
[54] **ENSEMBLE ROULEAU PINCEUR POUR UN DISTRIBUTEUR**
[72] ROZEK, ROY J., US
[72] CASE, ABBY C., US
[73] GPCP IP HOLDINGS LLC, US
[85] 2013-09-24
[86] 2012-03-26 (PCT/US2012/030607)
[87] (WO2012/129571)
[30] US (61/467,247) 2011-03-24

[11] **2,831,436**
[13] C

- [51] **Int.Cl. H05K 7/14 (2006.01)**
[25] EN
[54] **CONVERTER ASSEMBLY, METHOD FOR PRODUCING A CONVERTER ASSEMBLY AND METHOD FOR OPERATING A CONVERTER ASSEMBLY**
[54] **ENSEMBLE CONVERTISSEUR, PROCEDE POUR FABRIQUER UN ENSEMBLE CONVERTISSEUR ET PROCEDE POUR FAIRE FONCTIONNER UN ENSEMBLE CONVERTISSEUR**
[72] NIKOLA, JOACHIM, DE
[72] KOLLAR, HANS JURGEN, DE
[72] JANZER, ROLF, DE
[72] MAUCHER, JURGEN, DE
[72] WETZEL, THOMAS, DE
[73] SEW-EURODRIVE GMBH & CO. KG, DE
[85] 2013-09-26
[86] 2012-03-07 (PCT/EP2012/001006)
[87] (WO2012/130378)
[30] DE (10 2011 015 327.6) 2011-03-28

[11] **2,831,737**
[13] C

- [51] **Int.Cl. B01J 23/42 (2006.01) C10G 45/62 (2006.01)**
[25] EN
[54] **HYDROGENATION REFINING CATALYST AND METHOD FOR PRODUCING A HYDROCARBON OIL**
[54] **CATALYSEUR DE RAFFINAGE PAR HYDROGENATION ET PROCEDE DE PRODUCTION D'HUILE D'HYDROCARBURES**
[72] TANAKA, YUICHI, JP
[72] NIITSUMA, TAKUYA, JP
[72] TASAKA, KAZUHIKO, JP
[72] IWAMA, MARIE, JP
[73] JAPAN OIL, GAS AND METALS NATIONAL CORPORATION, JP
[73] INPEX CORPORATION, JP
[73] JX NIPPON OIL & ENERGY CORPORATION, JP
[73] JAPAN PETROLEUM EXPLORATION CO., LTD., JP
[73] COSMO OIL CO., LTD., JP
[73] NIPPON STEEL & SUMIKIN ENGINEERING CO., LTD., JP
[85] 2013-09-27
[86] 2012-03-26 (PCT/JP2012/057764)
[87] (WO2012/133316)
[30] JP (2011-080572) 2011-03-31

[11] **2,832,017**
[13] C

- [51] **Int.Cl. D03D 1/00 (2006.01) D03D 11/00 (2006.01) D03D 15/12 (2006.01) D04H 3/03 (2012.01)**
[25] EN
[54] **MULTI-LAYER FABRIC**
[54] **TISSU MULTICOUCHE**
[72] USUKI, TSUTOMU, JP
[73] NIPPON FILCON CO., LTD., JP
[85] 2013-10-01
[86] 2012-03-21 (PCT/JP2012/057093)
[87] (WO2012/140992)
[30] JP (2011-087481) 2011-04-11

[11] **2,832,085**
[13] C

- [51] **Int.Cl. C22C 21/16 (2006.01) C22F 1/057 (2006.01)**
[25] FR
[54] **ALUMINIUM-COPPER-MAGNESIUM ALLOYS THAT PERFORM WELL AT HIGH TEMPERATURE**
[54] **ALLIAGES ALUMINIUM CUIVRE MAGNESIUM PERFORMANTS A HAUTE TEMPERATURE**
[72] POUGET, GAELLE, FR
[72] SIGLI, CHRISTOPHE, FR
[73] CONSTELLIUM ISSOIRE, FR
[85] 2013-10-02
[86] 2012-04-06 (PCT/FR2012/000134)
[87] (WO2012/140337)
[30] FR (1101187) 2011-04-15
[30] US (61/475,806) 2011-04-15

[11] **2,832,207**
[13] C

- [51] **Int.Cl. E04H 4/08 (2006.01)**
[25] EN
[54] **DEVICE FOR MOVING COVERINGS FOR INSULATING POOLS**
[54] **DISPOSITIF POUR DEPLACER DES ELEMENTS DE RECOUVREMENT SERVANT A ISOLER DES BASSINS**
[72] TIMISCHL, KARL, AT
[73] JURSZITZKY, HARALD, AT
[73] TIMISCHL, KARL, AT
[85] 2013-10-03
[86] 2012-04-06 (PCT/AT2012/000097)
[87] (WO2012/135886)
[30] AT (A 486/2011) 2011-04-06

**Canadian Patents Issued
February 26, 2019**

[11] **2,832,554**
[13] C

[51] **Int.Cl. C01B 3/02 (2006.01) B01J 7/00 (2006.01) C01B 3/36 (2006.01)**
[25] EN
[54] **APPARATUS AND PROCESS FOR GASIFICATION OF CARBONACEOUS MATERIALS TO PRODUCE SYNGAS**
[54] **APPAREIL ET PROCÉDE POUR LA GAZÉIFICATION DE SUBSTANCES CARBONÉES POUR PRODUIRE UN GAZ DE SYNTHÈSE**
[72] BELL, PETER S., US
[72] KO, CHING-WHAN, US
[72] SLAPE, MICHAEL SEAN, US
[72] BRESHEARS, SCOTT, US
[72] OCFEMIA, KIM, US
[73] INEOS BIO SA, CH
[85] 2013-10-07
[86] 2012-04-03 (PCT/US2012/032006)
[87] (WO2013/147918)
[30] US (61/516,646) 2011-04-06
[30] US (61/516,704) 2011-04-06
[30] US (61/516,667) 2011-04-06
[30] US (13/427,144) 2012-03-22

[11] **2,832,873**
[13] C

[51] **Int.Cl. B03B 5/34 (2006.01) B04C 5/26 (2006.01) B04C 7/00 (2006.01) B04C 11/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PARTICLE SEPARATION**
[54] **PROCÉDE ET APPAREIL POUR LA SÉPARATION DE PARTICULES**
[72] BOZZATO, PAOLO, US
[73] ECOMIN SRL, IT
[85] 2013-10-09
[86] 2012-04-11 (PCT/IB2012/051765)
[87] (WO2012/146997)
[30] IT (GE2011A000049) 2011-04-28

[11] **2,833,008**
[13] C

[51] **Int.Cl. A61B 10/02 (2006.01)**
[25] EN
[54] **BIOPSY DEVICE WITH MOTORIZED NEEDLE FIRING**
[54] **DISPOSITIF DE BIOPSIE A DECLANCHEMENT D'AIGUILLE MOTORISE**
[72] FIEBIG, KEVIN M., US
[73] DEVICOR MEDICAL PRODUCTS, INC., US
[85] 2013-10-10
[86] 2012-04-10 (PCT/US2012/032853)
[87] (WO2012/142013)
[30] US (13/086,567) 2011-04-14

[11] **2,833,065**
[13] C

[51] **Int.Cl. B26D 7/06 (2006.01) B26D 1/36 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CUTTING PRODUCTS**
[54] **APPAREIL ET PROCÉDE DE COUPE DE PRODUITS**
[72] BUCKS, BRENT L., US
[73] FAM, BE
[85] 2013-10-11
[86] 2012-04-10 (PCT/EP2012/056401)
[87] (WO2012/139988)
[30] US (61/473,826) 2011-04-11
[30] BE (2011/0295) 2011-05-16

[11] **2,833,306**
[13] C

[51] **Int.Cl. A23C 9/13 (2006.01) A23L 29/20 (2016.01) A23C 19/076 (2006.01) A23L 3/005 (2006.01)**
[25] EN
[54] **ROOM-TEMPERATURE STORABLE CHEESECAKE FILLING**
[54] **GARNITURE DE GÂTEAU AU FROMAGE POUVANT ÊTRE STOCKÉE À TEMPÉRATURE AMBIANTE**
[72] LIBENS, JO, BE
[72] VANHOVE, MICHEL, BE
[72] SOYEUR, JEAN-LUC, BE
[73] PURATOS N.V., BE
[85] 2013-10-16
[86] 2012-04-27 (PCT/EP2012/057717)
[87] (WO2012/146693)
[30] EP (11164351.6) 2011-04-29

[11] **2,834,070**
[13] C

[51] **Int.Cl. F16L 5/14 (2006.01)**
[25] EN
[54] **BULKHEAD FITTING ASSEMBLY**
[54] **ENSEMBLE DE MONTAGE DE CLOISON**
[72] IRWIN, JAMES P., US
[72] MINTEER, DAVID W., US
[72] JOHNSON, BENJAMIN A., US
[72] DOWELL, ERIK W., US
[73] THE BOEING COMPANY, US
[85] 2013-10-22
[86] 2012-05-21 (PCT/US2012/038836)
[87] (WO2012/177344)
[30] US (13/166,371) 2011-06-22

[11] **2,834,073**
[13] C

[51] **Int.Cl. B60C 1/00 (2006.01) C08K 3/06 (2006.01) C08K 3/36 (2006.01) C08K 5/37 (2006.01) C08K 5/39 (2006.01) C08L 21/00 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING RUBBER MIXTURES**
[54] **PROCÉDE DE PRODUCTION DE MÉLANGES DE CAOUTCHOUC**
[72] WIEDEMEIER, MELANIE, DE
[72] WEIDENHAUPT, HERMANN-JOSEF, DE
[72] UNTERBERG, HEINZ, DE
[72] FELDHUES, ULRICH, DE
[73] LANXESS DEUTSCHLAND GMBH, DE
[85] 2013-10-23
[86] 2012-04-27 (PCT/EP2012/057859)
[87] (WO2012/146759)
[30] EP (11164320.1) 2011-04-29

**Brevets canadiens délivrés
26 février 2019**

[11] **2,834,125**
[13] C

[51] **Int.Cl. H04N 19/139 (2014.01) H04N 19/14 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/52 (2014.01)**

[25] EN

[54] **VIDEO ENCODING METHOD, VIDEO ENCODING DEVICE, VIDEO DECODING METHOD, VIDEO DECODING DEVICE, AND VIDEO ENCODING/DECODING DEVICE**

[54] **PROCEDE DE CODAGE DE VIDEO, DISPOSITIF DE CODAGE DE VIDEO, PROCEDE DE DECODAGE DE VIDEO, DISPOSITIF DE DECODAGE DE VIDEO, ET DISPOSITIF DE CODAGE/DECODAGE DE VIDEO**

[72] SUGIO, TOSHIYASU, JP
[72] NISHI, TAKAHIRO, JP
[72] SHIBAHARA, YOUJI, JP
[72] TANIKAWA, KYOKO, JP
[72] SASAI, HISAO, JP
[72] MATSUNOBU, TORU, JP
[73] SUN PATENT TRUST, US
[85] 2013-10-23
[86] 2012-05-25 (PCT/JP2012/003416)
[87] (WO2012/164886)
[30] US (61/490,747) 2011-05-27

[11] **2,834,233**
[13] C

[51] **Int.Cl. C01G 9/02 (2006.01) A61K 8/27 (2006.01) A61Q 1/00 (2006.01) A61Q 17/04 (2006.01) C08K 3/22 (2006.01) C08L 101/00 (2006.01) C09D 201/00 (2006.01)**

[25] EN

[54] **HEXAGONAL PRISM-SHAPED ZINC OXIDE PARTICLES AND METHOD FOR PRODUCTION OF THE SAME**

[54] **PARTICULES D'OXYDE DE ZINC EN FORME DE CYLINDRE HEXAGONAL, PROCEDE POUR LES PRODUIRE ET MATIERE COSMETIQUE, CHARGE A DISSIPATION DE CHALEUR, COMPOSITION DE RESINE A DISSIPATION DECHALEUR, GRAISSE A DISSIPATION DE CHALEUR ET COMPOSITION DE REVETEMENT A DISSIPATION DE CHALEUR LES CONTENANT**

[72] SUEDA, SATORU, JP
[72] HASHIMOTO, MITSUO, JP
[72] TERABE, ATSUKI, JP
[72] WATANABE, NOBUO, JP
[72] MAGARA, KOICHIRO, JP
[73] SAKAI CHEMICAL INDUSTRY CO., LTD., JP
[85] 2013-10-24
[86] 2012-04-26 (PCT/JP2012/061281)
[87] (WO2012/147887)
[30] JP (2011-101022) 2011-04-28

[11] **2,834,452**
[13] C

[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/439 (2006.01) A61K 31/455 (2006.01) A61K 31/497 (2006.01) A61K 31/501 (2006.01) A61K 31/506 (2006.01) A61P 9/00 (2006.01) C07D 403/14 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01) C07D 471/08 (2006.01) C07D 487/04 (2006.01) C07D 487/08 (2006.01)**

[25] EN

[54] **DERIVATIVES OF N-[(1H-PYRAZOL-1-YL) ARYL]-1H-INDOLE OR 1H-INDAZOLE-3-CARBOXAMIDE, THEIR PREPARATION AND THEIR USE AS P2Y12 ANTAGONISTS**

[54] **DERIVES DE N-[(1H-PYRAZOL-1-YL) ARYL]-1H-INDOLE OU 1H-INDAZOLE-3-CARBOXAMIDE, LEUR PREPARATION ET LEUR UTILISATION EN TANT QU'ANTAGONISTES DE P2Y12**

[72] BADORC, ALAIN, FR
[72] BOLDRON, CHRISTOPHE, FR
[72] DELESQUE, NATHALIE, FR
[72] FOSSEY, VALERIE, FR
[72] LASSALLE, GILBERT, FR
[72] YVON, XAVIER, FR
[73] SANOFI, FR
[85] 2013-10-28
[86] 2011-09-13 (PCT/EP2011/065885)
[87] (WO2012/146318)
[30] FR (1153659) 2011-04-29

[11] **2,834,768**
[13] C

[51] **Int.Cl. F27D 3/00 (2006.01) B21D 37/16 (2006.01) C21D 1/00 (2006.01) C21D 1/673 (2006.01)**

[25] EN

[54] **A METHOD AND AN APPARATUS FOR REDUCING THE HEAT LOSS IN A HEATED WORKPIECE**

[54] **PROCEDE ET DISPOSITIF POUR REDUIRE LA PERTE DE CHALEUR D'UNE PIECE CHAUDE**

[72] MATTSSON, PER-ARNE, SE
[73] AUTOMATION, PRESS AND TOOLING, A.P. & T AB, SE
[85] 2013-10-30
[86] 2012-05-22 (PCT/SE2012/000080)
[87] (WO2012/161636)
[30] SE (1100415-7) 2011-05-24

**Canadian Patents Issued
February 26, 2019**

[11] **2,835,032**
[13] C

[51] **Int.Cl. B02C 13/284 (2006.01) B02C 23/16 (2006.01)**
[25] EN
[54] **BOTTOM GRATE OF A CRUSHER OR DRUM CHIPPER AND METHOD OF PRODUCING THE BOTTOM GRATE**
[54] **GRILLE INFERIEURE D'UN BROYEUR OU D'UNE DECHIQUETEUSE A TAMBOUR ET PROCEDE DE PRODUCTION DE LA GRILLE INFERIEURE**
[72] KALJUNEN, MARKKU, FI
[72] KOKKO, PEKKA, FI
[73] ANDRITZ OY, FI
[85] 2013-11-04
[86] 2012-05-04 (PCT/FI2012/050434)
[87] (WO2012/152996)
[30] FI (20115439) 2011-05-06

[11] **2,835,188**
[13] C

[51] **Int.Cl. G01R 19/165 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DETECTION OF LVDT CORE FALLOUT CONDITION**
[54] **PROCEDE ET APPAREIL DE DETECTION D'UNE SITUATION DE RETOMBEE DU NOYAU D'UN LVDT**
[72] NAIR, RAKESH DAMODARAN, US
[72] SELLAMUTHU, ARULVEL, US
[72] SUNDARESH, NAGARAJA, US
[72] ALABUR, MANJUNATHA KOTRESHI, US
[72] KINAGE, AMOL, US
[72] GIRITHARAN, KARTHIK, US
[72] SHASTRY, ANANDA HUCHAPPA, US
[73] HONEYWELL INTERNATIONAL INC., US
[85] 2013-11-05
[86] 2012-04-30 (PCT/US2012/035741)
[87] (WO2012/158328)
[30] US (13/107,042) 2011-05-13

[11] **2,835,673**
[13] C

[51] **Int.Cl. A62C 2/00 (2006.01) A62C 99/00 (2010.01) A62C 3/00 (2006.01)**
[25] EN
[54] **INERT GAS SUPPRESSION SYSTEM NOZZLE**
[54] **BUSE DE SYSTEME DE SUPPRESSION DE GAZ INERTE**
[72] HILL, GENE, US
[72] PATEL, DEVANG, GB
[73] FIKE CORPORATION, US
[85] 2013-11-08
[86] 2012-05-07 (PCT/US2012/036747)
[87] (WO2012/154652)
[30] US (13/106,578) 2011-05-12

[11] **2,835,707**
[13] C

[51] **Int.Cl. A61K 31/519 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING ALZHEIMER'S DISEASE**
[54] **COMPOSITIONS ET PROCEDES POUR TRAITER LA MALADIE D'ALZHEIMER**
[72] ALAM, JOHN JAHANGIR, US
[73] EIP PHARMA, LLC, US
[85] 2013-11-08
[86] 2012-05-09 (PCT/US2012/037064)
[87] (WO2012/154814)
[30] US (61/483,919) 2011-05-09

[11] **2,837,054**
[13] C

[51] **Int.Cl. H04L 29/06 (2006.01)**
[25] EN
[54] **METHOD AND BOARD FOR HIGH-SPEED LINK AUTO-NEGOTIATION**
[54] **PROCEDE ET MONOCARTE D'AUTO-NEGOCIATION DE LIAISON HAUTE VITESSE**
[72] YAN, LI, CN
[72] TONG, YUNMIN, CN
[72] HUANG, LIGANG, CN
[72] CHEN, XIAOQIN, CN
[73] HUAWAI TECHNOLOGIES CO., LTD, CN
[85] 2013-11-21
[86] 2011-05-25 (PCT/CN2011/074645)
[87] (WO2011/144078)

[11] **2,837,478**
[13] C

[51] **Int.Cl. H01J 49/04 (2006.01) H01J 49/26 (2006.01)**
[25] EN
[54] **DIRECT SAMPLE ANALYSIS ION SOURCE**
[54] **SOURCE D'IONS POUR ANALYSE DIRECTE D'ECHANTILLONS**
[72] WHITEHOUSE, CRAIG M., US
[72] DRESCH, THOMAS, US
[73] PERKINELMER HEALTH SCIENCES, INC., US
[85] 2013-11-26
[86] 2012-06-01 (PCT/US2012/040587)
[87] (WO2012/167183)
[30] US (61/493,255) 2011-06-03

[11] **2,837,888**
[13] C

[51] **Int.Cl. B22D 41/50 (2006.01)**
[25] EN
[54] **A NOZZLE FOR GUIDING A METAL MELT**
[54] **BUSE POUR GUIDER UN METAL EN FUSION**
[72] NITZL, GERALD, AT
[72] TANG, YONG, AT
[72] STRANIMAIER, ARNO, AT
[73] REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG, AT
[85] 2013-11-29
[86] 2012-06-27 (PCT/EP2012/062485)
[87] (WO2013/004571)
[30] EP (11172908.3) 2011-07-06

**Brevets canadiens délivrés
26 février 2019**

[11] **2,838,305**
[13] C

[51] **Int.Cl. B60M 1/30 (2006.01)**
[25] EN
[54] **POWER RAIL, MOUNTING AND DISMOUNTING METHOD AND ARRANGEMENT COMPOSED OF COMBINED POWER RAILS**
[54] **BARRE CONDUCTRICE, PROCEDE DE MONTAGE ET DE DEMONTAGE AINSI QUE SYSTEME DE BARRES CONDUCTRICES ASSEMBLEES**
[72] KRANYCAN, JURGEN, AT
[72] ESTERBAUER, ERWIN, AT
[72] JUKL, THOMAS, AT
[73] HAMMERER ALUMINIUM INDUSTRIES EXTRUSION GMBH, AT
[73] SPL POWERLINES AUSTRIA GMBH & CO. KG, AT
[85] 2013-12-04
[86] 2012-06-08 (PCT/EP2012/060941)
[87] (WO2012/168461)
[30] DE (10 2011 050 920.8) 2011-06-08

[11] **2,838,903**
[13] C

[51] **Int.Cl. B29C 53/08 (2006.01) B29B 13/02 (2006.01) B29C 53/84 (2006.01)**
[25] EN
[54] **METHOD FOR BENDING THERMOPLASTIC PIPES**
[54] **PROCEDE D'INCURVATION DE TUYAUX THERMOPLASTIQUES**
[72] KNEBL, JURGEN, DE
[72] LUTTMANN, PETER, DE
[72] GROEL, MICHAEL, DE
[73] PFW AEROSPACE AG, DE
[85] 2013-12-10
[86] 2012-05-30 (PCT/EP2012/002297)
[87] (WO2012/167881)
[30] DE (10 2011 105 279.1) 2011-06-10
[30] US (61/495,954) 2011-06-10

[11] **2,838,959**
[13] C

[51] **Int.Cl. B21D 51/26 (2006.01) B21D 51/32 (2006.01)**
[25] EN
[54] **HIGH SPEED SEAMING ASSEMBLY**
[54] **ENSEMBLE DE SERTISSAGE A GRANDE VITESSE**
[72] MEJIA-QUINCHIA, CARLOS ANDRES, US
[72] FIELDS, BRIAN, US
[73] CROWN PACKAGING TECHNOLOGY, INC., US
[85] 2013-12-10
[86] 2012-06-07 (PCT/US2012/041260)
[87] (WO2012/170635)
[30] US (13/157,639) 2011-06-10

[11] **2,839,007**
[13] C

[51] **Int.Cl. B01D 61/18 (2006.01) B01D 63/02 (2006.01) B01D 63/04 (2006.01) B01D 65/10 (2006.01)**
[25] FR
[54] **WATER FILTRATION MODULE AND METHOD FOR THE MANUFACTURE AND USE THEREOF**
[54] **MODULE DE FILTRATION D'EAU ET PROCEDE DE FABRICATION ET D'UTILISATION**
[72] ESPENAN, JEAN-MICHEL, FR
[72] SAUX, FRANC, FR
[73] POLYMEM, FR
[85] 2013-12-10
[86] 2011-06-17 (PCT/EP2011/060157)
[87] (WO2011/157835)
[30] FR (10 54853) 2010-06-18

[11] **2,839,251**
[13] C

[51] **Int.Cl. B22F 1/02 (2006.01) C22C 43/00 (2006.01) G21C 3/42 (2006.01) G21C 3/60 (2006.01) G21C 21/02 (2006.01)**
[25] FR
[54] **POWDER OF AN ALLOY BASED ON URANIUM AND MOLYBDENUM IN GAMMA-METASTABLE PHASE, COMPOSITION OF POWDERS COMPRISING THIS POWDER, AND USES OF SAID POWDER AND COMPOSITION**
[54] **POUDRE D'UN ALLIAGE A BASE D'URANIUM ET DE MOLYBDENE EN PHASE .GAMMA.-METASTABLE, COMPOSITION DE POUDRES COMPRENANT CETTE POUDRE, ET UTILISATIONS DESDITES POUDRE ET COMPOSITION**
[72] ALLENOU, JEROME, FR
[72] ILTIS, XAVIERE, FR
[72] CHAROLLAIS, FRANCOIS, FR
[72] TOUGAIT, OLIVIER, FR
[72] PASTUREL, MATHIEU, FR
[72] DEPUTIER, STEPHANIE, FR
[73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2013-12-12
[86] 2012-06-21 (PCT/EP2012/061938)
[87] (WO2012/175596)
[30] FR (11 55551) 2011-06-23

[11] **2,839,374**
[13] C

[51] **Int.Cl. H04M 3/424 (2006.01)**
[25] EN
[54] **CALL PROCESSING METHOD, DEVICE AND SYSTEM**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRAITEMENT D'APPEL**
[72] XU, BIN, CN
[72] ZHANG, JIANFENG, CN
[72] GE, HAO, CN
[73] ZTE CORPORATION, CN
[85] 2013-12-13
[86] 2012-02-02 (PCT/CN2012/070852)
[87] (WO2012/171347)
[30] CN (201110159095.8) 2011-06-14

**Canadian Patents Issued
February 26, 2019**

[11] **2,839,376**
[13] C

[51] **Int.Cl. C04B 24/10 (2006.01) C04B 28/02 (2006.01) C04B 40/00 (2006.01)**
[25] EN
[54] **CEMENT ADDITIVE**
[54] **ADDITIF A CIMENT**
[72] FARRINGTON, STEPHEN A., US
[72] STEFAN, MADALINA ANDREA, DE
[73] CONSTRUCTION RESEARCH & TECHNOLOGY GMBH, DE
[85] 2013-12-13
[86] 2012-06-21 (PCT/EP2012/061907)
[87] (WO2012/175583)
[30] US (61/500,882) 2011-06-24

[11] **2,839,453**
[13] C

[51] **Int.Cl. A61K 36/53 (2006.01) A61K 36/49 (2006.01) A61P 17/00 (2006.01) A61Q 19/02 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING A MOISTURIZING AGENT, A DESQUAMATION AGENT, A MATTIFYING AGENT, AND AN AGENT THAT INCREASES SKIN LUMINOSITY**
[54] **COMPOSITION COMPRENANT UN AGENT HYDRATANT, UN AGENT DESQUAMANT, UN AGENT MATIFIANT ET UN AGENT QUI AUGMENTE LA LUMINOSITE DE LA PEAU**
[72] GHERSIN, MURIEL, FR
[72] DECLERCQ, LIEVE, BE
[72] DE SAINT MICHEL, LOUIS, FR
[72] GRIGSBY, JOSEPH SCOTT, FR
[73] ELC MANAGEMENT LLC, US
[85] 2013-12-13
[86] 2012-06-27 (PCT/US2012/044384)
[87] (WO2013/006336)
[30] US (61/505,168) 2011-07-07

[11] **2,839,968**
[13] C

[51] **Int.Cl. G21G 1/00 (2006.01)**
[25] EN
[54] **METHOD OF MANUFACTURING NON-CARRIER-ADDED HIGH-PURITY 177LU COMPOUNDS AS WELL AS NON-CARRIER-ADDED 177LU COMPOUNDS**
[54] **PROCEDE DE PREPARATION DE COMPOSES DE 177LU SANS ENTRAINEUR ET DE GRANDE PURETE ET COMPOSES DE 177LU SANS ENTRAINEUR**
[72] MARX, SEBASTIAN, DE
[72] HARFENSTELLER, MARK, DE
[72] ZHERNOSEKOV, KONSTANTIN, DE
[72] NIKULA, TUOMO, DE
[73] ITM ISOTOPEN TECHNOLOGIEN MUNCHEN AG, DE
[85] 2013-12-19
[86] 2012-04-12 (PCT/EP2012/056644)
[87] (WO2013/010686)
[30] DE (10 2011 051 868.1) 2011-07-15

[11] **2,840,342**
[13] C

[51] **Int.Cl. A24D 1/14 (2006.01) A24F 1/30 (2006.01)**
[25] EN
[54] **PREPACKAGED SMOKABLE MATERIAL CAPSULE**
[54] **CAPSULE QUI CONTIENT UNE SUBSTANCE PREEMBALLEE POUVANT ETRE FUMEE**
[72] JALLOUL, SAMER, LB
[72] EL HAJJ, GEORGES, AE
[72] JABER, NABIL, AE
[73] SHISHAPRESSO S.A.L., LB
[85] 2013-12-23
[86] 2012-01-13 (PCT/GB2012/050067)
[87] (WO2013/001272)
[30] US (61/503,187) 2011-06-30

[11] **2,841,041**
[13] C

[51] **Int.Cl. E02F 9/28 (2006.01)**
[25] EN
[54] **RETAINING DEVICE, RETAINING SYSTEM BETWEEN A FEMALE PART AND A MALE PART, AND FEMALE PART AND MALE PART FOR EXCAVATORS AND THE LIKE**
[54] **DISPOSITIF DE RETENUE, SYSTEME DE RETENUE ENTRE UNE PIECE FEMELLE ET UNE PIECE MALE, ET PIECE FEMELLE ET MALE POUR MACHINES EXCAVATRICES ET ANALOGUES**
[72] ROL CORREDOR, JAVIER, ES
[72] JIMENEZ GARCIA, JAVIER, ES
[72] PEREZ SORIA, FRANCISCO, ES
[72] TRIGINER BOIXEDA, JORGE, ES
[72] ALONSO FRIGOLA, ESTER, ES
[73] METALOGENIA PATENTES, S.L., ES
[85] 2014-01-06
[86] 2011-07-05 (PCT/ES2011/070488)
[87] (WO2013/004858)

[11] **2,841,055**
[13] C

[51] **Int.Cl. H04N 19/645 (2014.01) H04N 19/176 (2014.01) H04N 19/186 (2014.01)**
[25] EN
[54] **IMAGE CODING METHOD, IMAGE DECODING METHOD, IMAGE CODING APPARATUS, IMAGE DECODING APPARATUS, AND IMAGE CODING AND DECODING APPARATUS**
[54] **PROCEDE DE CODAGE D'IMAGE, PROCEDE DE DECODAGE D'IMAGE, APPAREIL DE CODAGE D'IMAGE, APPAREIL DE DECODAGE D'IMAGE ET APPAREIL DE CODAGE/DECODAGE D'IMAGE**
[72] TERADA, KENGO, JP
[72] NISHI, TAKAHIRO, JP
[72] SHIBAHARA, YOUJI, JP
[72] TANIKAWA, KYOKO, JP
[72] SASAI, HISAO, JP
[72] SUGIO, TOSHIYASU, JP
[72] MATSUNOBU, TORU, JP
[73] SUN PATENT TRUST, US
[85] 2014-01-06
[86] 2012-09-14 (PCT/JP2012/005881)
[87] (WO2013/046586)
[30] US (61/540,048) 2011-09-28

**Brevets canadiens délivrés
26 février 2019**

[11] **2,841,252**
[13] C

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/4709 (2006.01) A61K 31/498 (2006.01) A61K 31/519 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01) C07D 519/00 (2006.01)**

[25] EN

[54] **2-PYRIDYL SUBSTITUTED IMIDAZOLES AS ALK5 AND/OR ALK4 INHIBITORS**

[54] **2-PYRIDYLIMIDAZOLES SUBSTITUES UTILISES COMME INHIBITEURS D'ALK5 ET/OU D'ALK4**

[72] LEE, JU YOUNG, KR
[72] RYU, KEUN-HO, KR
[72] KIM, JAE-SUN, KR
[72] KIM, YONG-HYUK, KR
[72] SHIN, DONG CHUL, KR
[72] LEE, BONG-YONG, KR
[72] KANG, SANG-HWAN, KR
[72] LEE, HYUN JUNG, KR
[72] JUNG, HOECHUL, KR
[72] SHIN, YOUNG AH, KR
[72] PARK, EUISUN, KR
[72] AHN, JAESEUNG, KR
[72] KIM, HUN-TAEK, KR
[72] RYU, JE HO, KR
[73] TIUMBIO CO., LTD., KR
[85] 2014-01-08
[86] 2012-07-13 (PCT/KR2012/005617)
[87] (WO2013/009140)
[30] US (61/507,305) 2011-07-13

[11] **2,841,445**
[13] C

[51] **Int.Cl. A61K 38/42 (2006.01) A61K 47/30 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **A HEAT STABLE OXYGEN CARRIER-CONTAINING PHARMACEUTICAL COMPOSITION FOR DIFFERENT TREATMENT APPLICATIONS**

[54] **COMPOSITION PHARMACEUTIQUE CONTENANT UN TRANSPORTEUR D'OXYGENE THERMOSTABLE POUR DIFFERENTES APPLICATIONS DE TRAITEMENT**

[72] WONG, BING LOU, US
[72] KWOK, SUI YI, HK
[72] LAU, SZE HANG, CN
[73] BILLION KING INTERNATIONAL LIMITED, HK
[85] 2014-01-10
[86] 2012-07-11 (PCT/US2012/046130)
[87] (WO2013/009790)
[30] US (13/179,590) 2011-07-11

[11] **2,842,044**
[13] C

[51] **Int.Cl. B22F 3/02 (2006.01) B22F 3/12 (2006.01) B22F 5/00 (2006.01) B22F 5/06 (2006.01) B22F 5/08 (2006.01)**

[25] EN

[54] **MOLDED PART**

[54] **PIECE MOULEE**

[72] BRANDNER, MARCO, DE
[72] HIRSCH, OLIVER, AT
[72] KRAUSSLER, WOLFGANG, AT
[72] LEITER, THOMAS, AT
[73] PLANSEE SE, AT
[85] 2014-01-16
[86] 2012-07-18 (PCT/AT2012/000191)
[87] (WO2013/010198)
[30] AT (GM 412/2011) 2011-07-21

[11] **2,842,335**
[13] C

[51] **Int.Cl. C07C 7/00 (2006.01) C07C 7/04 (2006.01) C07C 7/12 (2006.01) C07C 11/04 (2006.01)**

[25] EN

[54] **PROCESS FOR REMOVING OXYGENATED CONTAMINANTS FROM AN ETHYLENE STREAM**

[54] **PROCEDE POUR ELIMINER DES CONTAMINANTS OXYGENES D'UN FLUX D'ETHYLENE**

[72] DAS, BABUA, BE
[72] ARRATIA, MANUELA, FR
[72] BOUTROT, CATHERINE, FR
[73] TOTAL RESEARCH & TECHNOLOGY FELUY, BE
[73] IFP ENERGIES NOUVELLES, FR
[85] 2014-01-17
[86] 2012-07-13 (PCT/EP2012/063755)
[87] (WO2013/014003)
[30] EP (11290349.7) 2011-07-28

[11] **2,842,732**
[13] C

[51] **Int.Cl. B02C 13/30 (2006.01) F16H 3/72 (2006.01)**

[25] EN

[54] **COMMINUTION DEVICE**

[54] **DISPOSITIF DE BROYAGE**

[72] DOPPSTADT, JOHANN, DE
[72] BERGER, HORST, DE
[73] DOPPSTADT FAMILIENHOLDING GMBH, DE
[85] 2014-01-22
[86] 2012-07-26 (PCT/EP2012/003141)
[87] (WO2013/013819)
[30] DE (20 2011 103 675.1) 2011-07-26

Canadian Patents Issued
February 26, 2019

[11] **2,842,747**
[13] C

[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/315 (2006.01) A61M 5/32 (2006.01) A61M 5/00 (2006.01) A61M 5/31 (2006.01)**

[25] EN

[54] **DEVICE FOR AUTOMATIC INJECTION OF DRUG DOSES**

[54] **DISPOSITIF D'INJECTION AUTOMATIQUE DE DOSES DE MEDICAMENTS**

[72] EDHOUSE, MARK JEFFREY, GB

[72] DRIVER, PHILIP JEROME, GB

[72] MOSELEY, GUY CONWYN JULIAN, GB

[72] LEWIS, SCOTT ALEXANDER, GB

[73] MENARINI INTERNATIONAL OPERATIONS LUXEMBOURG S.A., LU

[85] 2014-01-22

[86] 2012-09-06 (PCT/EP2012/067438)

[87] (WO2013/034651)

[30] IT (FI 2011 A 000194) 2011-09-08

[11] **2,843,828**
[13] C

[51] **Int.Cl. B01J 8/28 (2006.01) B01J 8/40 (2006.01) C21B 13/00 (2006.01)**

[25] EN

[54] **DEVICE WITH SEVERAL REACTION CHAMBERS FOR IMPLEMENTING LIQUID/SOLID OXIDATION-REDUCTION REACTIONS IN A FLUIDIZED BED**

[54] **DISPOSITIF A PLUSIEURS CHAMBRES DE REACTION POUR LA MISE EN OEUVRE DE REACTIONS LIQUIDES/SOLIDES D'OXYDO-REDUCTION EN LIT FLUIDISE**

[72] LANCON, FRANCK, CL

[73] CLEANMETALS SA, CH

[85] 2014-01-31

[86] 2012-07-31 (PCT/FR2012/000321)

[87] (WO2013/017751)

[30] FR (1102424) 2011-08-02

[11] **2,845,426**
[13] C

[51] **Int.Cl. A62D 1/06 (2006.01)**

[25] EN

[54] **FIRE EXTINGUISHING COMPOSITION OF COPPER SALTS**

[54] **COMPOSITION D'EXTINCTION D'INCENDIE A BASE DE SELS DE CUIVRE**

[72] JI, TAO, CN

[72] WEI, TAO, CN

[73] XI'AN WESTPEACE FIRE TECHNOLOGY CO., LTD., CN

[85] 2014-02-14

[86] 2012-08-14 (PCT/CN2012/080097)

[87] (WO2013/023576)

[30] CN (201110235064.6) 2011-08-16

[11] **2,845,520**
[13] C

[51] **Int.Cl. F16M 7/00 (2006.01) F24F 1/022 (2019.01) F24F 1/03 (2019.01) F16M 1/00 (2006.01) F24F 13/20 (2006.01) F24F 13/24 (2006.01) F24F 13/32 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR NOISE ATTENUATION FOR HVAC&R SYSTEM**

[54] **METHODE ET APPAREIL D'ATTENUATION DU BRUIT POUR UN SYSTEME CVAC/R**

[72] MISALJEVIC, SASA, CA

[73] JOHNSON CONTROLS TECHNOLOGY COMPANY, US

[86] (2845520)

[87] (2845520)

[22] 2014-03-11

[30] US (61/947,588) 2014-03-04

[11] **2,846,378**
[13] C

[51] **Int.Cl. A01D 34/416 (2006.01) A01D 34/73 (2006.01) A01D 34/81 (2006.01)**

[25] EN

[54] **AERODYNAMIC TRIMMER HEAD FOR USE IN FLEXIBLE LINE ROTARY TRIMMERS**

[54] **TETE DE DEBROUSSAILLEUSE AERODYNAMIQUE DESTINEE A ETRE UTILISEE DANS DES DEBROUSSAILLEUSES ROTATIVES A CONDUITE FLEXIBLE**

[72] PROULX, RICHARD A., US

[72] PFALTZGRAFF, JAMES R., US

[73] PROULX MANUFACTURING, INC., US

[85] 2014-02-24

[86] 2011-09-12 (PCT/IB2011/053982)

[87] (WO2013/027089)

[30] US (13/217,193) 2011-08-24

[11] **2,846,933**
[13] C

[51] **Int.Cl. B65G 1/04 (2006.01) B65G 1/137 (2006.01)**

[25] EN

[54] **METHOD FOR PROVIDING TRANSPORT UNITS FROM A STORAGE FACILITY**

[54] **PROCEDE POUR EXTRAIRE DES UNITES DE TRANSPORT D'UN MAGASIN**

[72] YAMASHITA, SHIN, DE

[73] DEMATIC GMBH, DE

[85] 2014-02-26

[86] 2013-07-17 (PCT/EP2013/065061)

[87] (WO2014/023539)

[30] DE (10 2012 107 176.4) 2012-08-06

**Brevets canadiens délivrés
26 février 2019**

[11] **2,847,549**
[13] C

- [51] **Int.Cl. A01N 59/20 (2006.01) A01N 25/10 (2006.01) A01N 59/12 (2006.01) A01P 1/00 (2006.01) C25D 11/18 (2006.01) C01B 9/06 (2006.01) C01G 3/00 (2006.01) C01G 5/02 (2006.01) C01G 23/04 (2006.01) C01G 25/02 (2006.01)**
- [25] EN
- [54] **ANTI-VIRUS ALUMINUM MEMBER AND METHOD FOR PRODUCING SAME**
- [54] **ELEMENT ALUMINIUM ANTIVIRAL ET SON PROCEDE DE PRODUCTION**
- [72] FUKUI, YOKO, JP
[72] NAKAYAMA, TSURUO, JP
[72] FUJIMORI, YOSHIE, JP
[73] NBC MESHTEC, INC., JP
[85] 2014-03-03
[86] 2012-09-07 (PCT/JP2012/005695)
[87] (WO2013/035343)
[30] JP (2011-195123) 2011-09-07

[11] **2,848,924**
[13] C

- [51] **Int.Cl. B61L 29/28 (2006.01)**
- [25] EN
- [54] **SYSTEM AND METHOD FOR EARLY TRAIN DETECTION**
- [54] **SYSTEME ET PROCEDE DE DETECTION PRECOCE DE TRAINS**
- [72] LINGVALL, FREDRIK, NO
[72] DANIELSEN, TRON, NO
[73] WAVETRAIN SYSTEMS AS, NO
[85] 2014-03-14
[86] 2011-09-16 (PCT/NO2011/000257)
[87] (WO2012/036565)
[30] NO (20101301) 2010-09-17

[11] **2,848,936**
[13] C

- [51] **Int.Cl. B22D 5/04 (2006.01) B08B 15/02 (2006.01) B22D 45/00 (2006.01)**
- [25] EN
- [54] **DUST EMISSION REDUCTION DURING METAL CASTING**
- [54] **REDUCTION DE L'EMISSION DE POUSSIERE PENDANT LA COULEE DE METAL**
- [72] LESSMANN, HANS, JUERGEN, DE
[72] BOTH, INGO, DE
[72] HOUBART, MICHEL, BE
[72] KINZEL, KLAUS, PETER, BR
[72] NOUAILLE-DEGORCE, GILLES, LU
[73] PAUL WURTH S.A., LU
[85] 2014-03-17
[86] 2012-09-27 (PCT/EP2012/069127)
[87] (WO2013/045577)
[30] LU (91880) 2011-09-28

[11] **2,849,902**
[13] C

- [51] **Int.Cl. G09G 5/10 (2006.01)**
- [25] EN
- [54] **SYSTEM AND METHOD FOR ENVIRONMENTAL ADAPTATION OF DISPLAY CHARACTERISTICS**
- [54] **SYSTEME ET PROCEDE D'ADAPTATION A L'ENVIRONNEMENT DE CARACTERISTIQUES D'AFFICHAGE**
- [72] DUNN, WILLIAM, US
[72] PRESLEY, HARRY, US
[72] WASINGER, JERRY, US
[73] MANUFACTURING RESOURCES INTERNATIONAL, INC., US
[85] 2014-03-24
[86] 2012-09-24 (PCT/US2012/056942)
[87] (WO2013/044245)
[30] US (61/538,319) 2011-09-23
[30] US (61/653,201) 2012-05-30

[11] **2,850,138**
[13] C

- [51] **Int.Cl. A61F 4/00 (2006.01)**
- [25] EN
- [54] **SYSTEM AND METHOD FOR STABILIZING UNINTENTIONAL MUSCLE MOVEMENTS**
- [54] **SYSTEME ET PROCEDE DE STABILISATION DE MOUVEMENTS MUSCULAIRES NON INTENTIONNELS**
- [72] PATHAK, ANUPAM, US
[73] VERILY LIFE SCIENCES LLC, US
[85] 2014-03-26
[86] 2012-09-25 (PCT/US2012/057048)
[87] (WO2013/049020)
[30] US (13/250,000) 2011-09-30

[11] **2,850,500**
[13] C

- [51] **Int.Cl. E21B 33/08 (2006.01)**
- [25] EN
- [54] **SEAL ASSEMBLIES IN SUBSEA ROTATING CONTROL DEVICES**
- [54] **ASSEMBLAGES DE JOINT D'ETANCHEITE DANS DES DISPOSITIFS DE COMMANDE TOURNANTS SOUS-MARINS**
- [72] BAILEY, THOMAS F., US
[72] WAGONER, DANNY W., US
[72] BARRY, ANDREW A. W., US
[72] HARRALL, SIMON J., US
[72] CHAMBERS, JAMES W., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2014-03-28
[86] 2012-10-05 (PCT/US2012/059004)
[87] (WO2013/052830)
[30] US (61/545,100) 2011-10-07

**Canadian Patents Issued
February 26, 2019**

[11] **2,851,315**
[13] C

[51] **Int.Cl. A61M 39/06 (2006.01) A61M 25/00 (2006.01) A61M 39/04 (2006.01) A61M 39/26 (2006.01)**

[25] EN

[54] **MULTIPLE USE BLOOD CONTROL VALVE WITH CENTER AND CIRCUMFERENTIAL SLITS**

[54] **VALVE DE REGULATION DE SANG A USAGE MULTIPLE AVEC FENTES CENTRALES ET CIRCONFERENCELLES**

[72] STOUT, MARTY L., US

[72] MCKINNON, AUSTIN JASON, US

[73] BECTON, DICKINSON AND COMPANY, US

[85] 2014-04-04

[86] 2012-10-05 (PCT/US2012/058874)

[87] (WO2013/052746)

[30] US (61/544,158) 2011-10-06

[30] US (13/644,841) 2012-10-04

[11] **2,851,416**
[13] C

[51] **Int.Cl. E02F 9/28 (2006.01)**

[25] EN

[54] **GROUND ENGAGING IMPLEMENT TOOTH ASSEMBLY WITH TIP AND ADAPTER**

[54] **ENSEMBLE DENT D'OUTIL D'ENGAGEMENT AVEC LE SOL AYANT UNE POINTE ET UN ADAPTEUR**

[72] RENSKI, WILLIAM J., US

[72] LAHOOD, JAMES ROBERT, US

[73] CATERPILLAR INC., US

[85] 2014-04-07

[86] 2012-10-05 (PCT/US2012/058988)

[87] (WO2013/052819)

[30] US (61/545,109) 2011-10-08

[30] US (13/644,555) 2012-10-04

[11] **2,851,422**
[13] C

[51] **Int.Cl. E02F 9/28 (2006.01)**

[25] EN

[54] **GROUND ENGAGING IMPLEMENT TOOTH ASSEMBLY WITH TIP AND ADAPTER**

[54] **ENSEMBLE DENT D'OUTIL EN CONTACT AVEC LE SOL COMPRENANT UNE POINTE ET UN ADAPTEUR**

[72] RENSKI, WILLIAM J., US

[72] LAHOOD, JAMES ROBERT, US

[72] CONGDON, THOMAS MARSHALL, US

[73] CATERPILLAR INC., US

[85] 2014-04-07

[86] 2012-10-05 (PCT/US2012/059009)

[87] (WO2013/055597)

[30] US (61/545,276) 2011-10-10

[30] US (13/644,429) 2012-10-04

[11] **2,851,493**
[13] C

[51] **Int.Cl. B23K 26/362 (2014.01) B23K 26/042 (2014.01) B23K 26/08 (2014.01)**

[25] EN

[54] **APPARATUSES AND METHODS FOR ACCURATE STRUCTURE MARKING AND MARKING-ASSISTED STRUCTURE LOCATING**

[54] **APPAREILS ET METHODES DE MARQUAGE DE STRUCTURE COURBEE ET REPERAGE DE STRUCTURE ASSISTE PAR LE MARQUAGE**

[72] SINGH, NAVRIT PAL, US

[73] THE BOEING COMPANY, US

[86] (2851493)

[87] (2851493)

[22] 2014-05-08

[30] US (13/925,865) 2013-06-25

[11] **2,851,694**
[13] C

[51] **Int.Cl. A61K 31/00 (2006.01) A61K 31/428 (2006.01) A61K 31/495 (2006.01) A61P 35/04 (2006.01)**

[25] EN

[54] **TREATMENT OF CANCER/INHIBITION OF METASTASIS**

[54] **TRAITEMENT DU CANCER/INHIBITION DE METASTASES**

[72] DJAMGOZ, MUSTAFA BILGIN ALI, GB

[73] DJAMGOZ, MUSTAFA BILGIN ALI, GB

[85] 2014-04-09

[86] 2010-10-13 (PCT/GB2010/001908)

[87] (WO2012/049440)

[11] **2,851,748**
[13] C

[51] **Int.Cl. B65D 85/804 (2006.01)**

[25] EN

[54] **CARTRIDGE FOR COFFEE AND SOLUBLE PRODUCTS IN GENERAL**

[54] **CARTOUCHE POUR CAFE, ET POUR PRODUITS SOLUBLES EN GENERAL**

[72] GOGLIO, FRANCO, IT

[72] LA GAMBA, LUCA, IT

[72] LONGHINI, DONATO, IT

[72] BOTTINI, GIORGIO, IT

[73] GOGLIO S.P.A., IT

[85] 2014-04-10

[86] 2012-10-05 (PCT/EP2012/069794)

[87] (WO2013/053655)

[30] IT (MI2011A 001847) 2011-10-10

**Brevets canadiens délivrés
26 février 2019**

[11] **2,852,685**

[13] C

- [51] **Int.Cl. C07F 5/02 (2006.01) A61K 31/69 (2006.01)**
[25] EN
[54] **INHIBITORS OF ARGINASE AND THEIR THERAPEUTIC APPLICATION**
[54] **INHIBITEURS D'ARGINASE ET LEUR APPLICATION THERAPEUTIQUE**
[72] VAN ZANDT, MICHAEL, US
[72] GOLEBIOWSKI, ADAM, US
[72] JI, MIN KOO, US
[72] WHITEHOUSE, DARREN, US
[72] RYDER, TODD, US
[72] BECKETT, RAYMOND PAUL, US
[73] MARS, INCORPORATED, US
[85] 2014-04-16
[86] 2012-10-18 (PCT/US2012/060789)
[87] (WO2013/059437)
[30] US (61/548,939) 2011-10-19

[11] **2,853,109**

[13] C

- [51] **Int.Cl. G01T 1/02 (2006.01) G01T 1/29 (2006.01) G01T 7/00 (2006.01)**
[25] EN
[54] **METHOD FOR MEASURING RADIATION BY MEANS OF AN ELECTRONIC TERMINAL HAVING A DIGITAL CAMERA**
[54] **PROCEDE DE MESURE DE RAYONNEMENT A L'AIDE D'UN TERMINAL ELECTRONIQUE DOTE D'UNE CAMERA NUMERIQUE**
[72] KLEIN, ROLF-DIETER, DE
[72] REICHL, MATHIAS, DE
[72] HOESCHEN, CHRISTOPH, DE
[73] HELMHOLTZ ZENTRUM MUNCHEN DEUTSCHES FORSCHUNGSZENTRUM FUR GESUNDHEIT UND UMWELT (GMBH), DE
[73] KLEIN, ROLF-DIETER, DE
[73] REICHL, MATHIAS, DE
[85] 2014-04-22
[86] 2011-10-24 (PCT/EP2011/005353)
[87] (WO2013/060342)

[11] **2,853,639**

[13] C

- [51] **Int.Cl. G01T 1/29 (2006.01)**
[25] EN
[54] **DIAGNOSTIC METHOD AND APPARATUS FOR CHARACTERIZATION OF A NEUTRAL BEAM AND FOR PROCESS CONTROL THEREWITH**
[54] **PROCEDE ET APPAREIL DE DIAGNOSTIC DE CARACTERISATION D'UN FAISCEAU NEUTRE ET COMMANDE DE TRAITEMENT AVEC CEUX-CI**
[72] KIRKPATRICK, SEAN R., US
[72] KIRKPATRICK, ALLEN R., US
[73] EXOGENESIS CORPORATION, US
[85] 2014-04-25
[86] 2012-10-25 (PCT/US2012/061862)
[87] (WO2013/063234)
[30] US (61/551,552) 2011-10-26

[11] **2,853,640**

[13] C

- [51] **Int.Cl. B28C 5/18 (2006.01) B28C 5/42 (2006.01)**
[25] EN
[54] **CONCRETE MIXING DRUM FIN STRUCTURE**
[54] **STRUCTURE D'AILETTE DE TAMBOUR DE MELANGE DE BETON**
[72] DATEMA, BRYAN S., US
[72] LINDBLOM, THOMAS G., US
[72] HARRIS, THOMAS J., US
[72] GLUNZ, CLINT D., US
[72] BARTLETT, WILLIAM P., SR., US
[73] MCNEILUS TRUCK AND MANUFACTURING, INC., US
[85] 2014-04-25
[86] 2012-10-18 (PCT/US2012/060716)
[87] (WO2013/062839)
[30] US (13/282,697) 2011-10-27

[11] **2,854,547**

[13] C

- [51] **Int.Cl. B26D 7/32 (2006.01) A23G 4/02 (2006.01) B65G 47/53 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR SEPARATING SHEET-SHAPED OBJECTS INTO STRIP-SHAPED OR SLAB-SHAPED OBJECT SUB-UNITS**
[54] **PROCEDE ET DISPOSITIF DE SEPARATION D'OBJETS EN FORME DE PLAQUE DANS DES SOUS-UNITES D'OBJETS EN FORME DE BANDE OU EN FORME DE PLAQUE**
[72] HAMMACHER, HEINZ-PETER, DE
[73] LOESCH VERPACKUNGSTECHNIK GMBH, DE
[85] 2014-05-05
[86] 2011-11-11 (PCT/EP2011/069971)
[87] (WO2013/068050)

[11] **2,855,194**

[13] C

- [51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/966 (2013.01)**
[25] EN
[54] **DIRECT CONNECT FLUSH SYSTEM**
[54] **SYSTEME DE RINCAGE A RACCORDEMENT DIRECT**
[72] CRISOSTOMO, CRISSLY V., US
[72] GAMARRA, RANDY S., US
[72] INO, TAKASHI, US
[72] SUTTON, BENJAMIN, US
[72] PAUL, DAVID J., US
[73] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2014-05-09
[86] 2012-11-06 (PCT/US2012/063647)
[87] (WO2013/070569)
[30] US (61/558,095) 2011-11-10
[30] US (13/668,372) 2012-11-05

[11] **2,855,806**

[13] C

- [51] **Int.Cl. E21B 19/09 (2006.01)**
[25] EN
[54] **A COMPENSATOR**
[54] **COMPENSATEUR**
[72] POHNER, LARS, NO
[73] MHWIRTH AS, NO
[85] 2014-05-13
[86] 2012-11-22 (PCT/EP2012/073389)
[87] (WO2013/076207)
[30] NO (20111629) 2011-11-25

**Canadian Patents Issued
February 26, 2019**

[11] **2,855,907**
[13] C

[51] **Int.Cl. A47K 10/42 (2006.01) B65D 6/00 (2006.01) B65D 6/24 (2006.01) B65D 83/08 (2006.01)**

[25] EN
[54] **TABLETOP NAPKIN DISPENSER**
[54] **DISTRIBUTEUR DE SERVIETTES DE DESSUS DE TABLE**

[72] WILSON, RODNEY, US
[72] GONZALES, LEO, US
[72] SIEBEL, JUSTIN, US
[73] SCA HYGIENE PRODUCTS AB, SE
[85] 2014-04-10
[86] 2011-10-31 (PCT/EP2011/069116)
[87] (WO2013/064165)

[11] **2,855,958**
[13] C

[51] **Int.Cl. B02C 15/06 (2006.01)**

[25] FR
[54] **COMPRESSIVE GRINDER FOR A BED OF MATERIALS**
[54] **BROYEUR PAR COMPRESSION DE LIT DE MATIERES**

[72] CORDONNIER, ALAIN, FR
[72] DEVROE, SEBASTIEN, FR
[73] FIVES FCB, FR
[85] 2014-05-14
[86] 2012-11-30 (PCT/FR2012/052768)
[87] (WO2013/079883)
[30] FR (11 03689) 2011-12-02

[11] **2,856,643**
[13] C

[51] **Int.Cl. G02B 6/122 (2006.01) G02B 6/293 (2006.01)**

[25] EN
[54] **A SPECTROMETER**
[54] **SPECTROMETRE**

[72] SWEENEY, STEPHEN, GB
[72] ZHANG, YAPING, GB
[73] ASTRIUM LIMITED, GB
[85] 2014-05-22
[86] 2012-10-09 (PCT/EP2012/069928)
[87] (WO2013/053683)
[30] EP (11275127.6) 2011-10-14

[11] **2,857,331**
[13] C

[51] **Int.Cl. E02F 3/815 (2006.01) E02F 9/28 (2006.01)**

[25] EN
[54] **EDGE PROTECTOR FOR GROUND ENGAGING TOOL ASSEMBLY**
[54] **PROTECTEUR DE BORD POUR ENSEMBLE OUTIL DE PRISE AVEC LE SOL**

[72] LAHOOD, JAMES ROBERT, US
[72] SMITH, MURRAY A., CA
[72] HARDER, CRAIG, CA
[73] CATERPILLAR INC., US
[85] 2014-05-28
[86] 2012-12-11 (PCT/US2012/068930)
[87] (WO2013/090254)
[30] US (61/570,223) 2011-12-13
[30] US (13/706,681) 2012-12-06

[11] **2,858,207**
[13] C

[51] **Int.Cl. H04L 12/26 (2006.01)**

[25] EN
[54] **DETERMINATION OF A QUALITY INDUCED TERMINATION RATE OF COMMUNICATION SESSIONS**
[54] **DETERMINATION DE TAUX D'INTERRUPTION DE SESSIONS DE COMMUNICATION INDUIT PAR LA QUALITE**

[72] KRUEGER, MICHAEL, DE
[72] SCHOLZ, HENDRIK, DE
[72] WALLBAUM, MICHAEL, DE
[73] VOIPFUTURE GMBH, DE
[85] 2014-06-04
[86] 2012-01-05 (PCT/EP2012/000042)
[87] (WO2013/102469)

[11] **2,858,812**
[13] C

[51] **Int.Cl. A61K 31/485 (2006.01) A61K 45/06 (2006.01) A61P 25/04 (2006.01) A61P 25/22 (2006.01) A61P 25/24 (2006.01)**

[25] EN
[54] **COMPOSITIONS OF BUPRENORPHINE AND MU-OPIOID RECEPTOR ANTAGONISTS**
[54] **COMPOSITIONS DE BUPRENORPHINE ET D'ANTAGONISTES DE RECEPTEUR DES OPIOIDES ?**

[72] DEAVEN, DANIEL, US
[72] EHRICH, ELLIOT, US
[73] ALKERMES PHARMA IRELAND LIMITED, IE
[85] 2014-06-10
[86] 2012-12-14 (PCT/IB2012/002900)
[87] (WO2013/088243)
[30] US (61/576,233) 2011-12-15

[11] **2,860,585**
[13] C

[51] **Int.Cl. G01L 27/00 (2006.01) G01D 3/08 (2006.01) G01D 21/00 (2006.01)**

[25] EN
[54] **FIELD DEVICE WITH SELF-TESTING OF A PIEZOELECTRIC TRANSDUCER**
[54] **APPAREIL DE TERRAIN A AUTOTEST D'UN TRANSDUCTEUR PIEZO-ELECTRIQUE**

[72] ARUNACHALAM, JAWAHAR, IN
[72] KASTURI, UDAYASHANKAR BANGALORE, IN
[73] ROSEMOUNT INC., US
[85] 2014-07-04
[86] 2012-05-28 (PCT/IB2012/052656)
[87] (WO2013/108086)
[30] IN (175/DEL/2012) 2012-01-20

**Brevets canadiens délivrés
26 février 2019**

[11] **2,860,702**
[13] C

[51] **Int.Cl. C12N 15/31 (2006.01) C12N 5/0781 (2010.01) C12N 5/0783 (2010.01) C12N 15/113 (2010.01) A61K 39/02 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01) C07H 21/00 (2006.01) C07K 14/195 (2006.01) C07K 16/12 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/63 (2006.01) C12P 21/00 (2006.01) C40B 30/04 (2006.01) G01N 33/53 (2006.01) G01N 33/564 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS OF INFLAMMATORY BOWEL DISEASE**

[54] **COMPOSITIONS ET PROCÉDES APPLICABLES A LA THÉRAPIE ET AU DIAGNOSTIC POUR LA MALADIE INTESTINALE INFLAMMATOIRE**

[72] HERSHBERG, ROBERT M., US
[72] HOSKEN, NANCY ANN, US
[72] LODES, MICHAEL, US
[72] MOHAMATH, RAODOH, US
[73] CORIXA CORPORATION, US
[86] (2860702)
[87] (2860702)
[22] 2002-12-16
[62] 2,476,755
[30] US (60/341,830) 2001-12-17
[30] US (60/396,242) 2002-07-16
[30] US (60/426,835) 2002-11-15

[11] **2,860,787**
[13] C

[51] **Int.Cl. H05H 1/28 (2006.01)**

[25] EN

[54] **CLOSED LOOP COOLING OF A PLASMA GUN TO IMPROVE HARDWARE LIFE**

[54] **REFROIDISSEMENT EN BOUCLE FERMÉE D'UN PISTOLET A PLASMA POUR AMÉLIORER LA DURÉE DE VIE DE MATÉRIEL**

[72] MOLZ, RONALD J., US
[73] OERLIKON METCO (US) INC., US
[85] 2014-07-08
[86] 2012-01-27 (PCT/US2012/022897)
[87] (WO2013/112177)

[11] **2,861,208**
[13] C

[51] **Int.Cl. E04B 5/48 (2006.01) E04F 15/024 (2006.01)**

[25] EN

[54] **SPACING ELEMENT FOR MAKING STRUCTURAL, AERATED HEAT-INSULATION CRAWL SPACES**

[54] **ELEMENT D'ESPACEMENT POUR REALISER DES VIDES SANITAIRES D'ISOLATION THERMIQUE STRUCTURAUX AERES**

[72] CABONI, MICHELE, IT
[73] CABONI, MICHELE, IT
[85] 2014-07-14
[86] 2012-01-10 (PCT/IT2012/000006)
[87] (WO2012/095882)
[30] IT (TO2011A000014) 2011-01-13

[11] **2,862,676**
[13] C

[51] **Int.Cl. F24H 1/12 (2006.01) F02N 19/10 (2010.01)**

[25] EN

[54] **DEVICE FOR PREHEATING A FLUID, NOTABLY A COMBUSTION ENGINE COOLANT FLUID**

[54] **DISPOSITIF DE PRECHAUFFAGE DE FLUIDE NOTAMMENT DE FLUIDE DE REFROIDISSEMENT DE MOTEUR A COMBUSTION**

[72] CARLENS, JEAN-CLAUDE, BE
[72] ZUNE, JEAN-FRANCOIS, BE
[73] VOLANTE, NINO, BE
[85] 2014-07-02
[86] 2013-01-02 (PCT/EP2013/050015)
[87] (WO2013/102629)
[30] BE (2012/0006) 2012-01-04

[11] **2,863,918**
[13] C

[51] **Int.Cl. C09D 151/08 (2006.01) C09D 5/02 (2006.01) C09D 133/00 (2006.01)**

[25] EN

[54] **LATEX BINDERS USEFUL IN ZERO OR LOW VOC COATING COMPOSITIONS**

[54] **LIANTS DE LATEX UTILES DANS DES COMPOSITIONS DE REVETEMENT A TENEUR EN VOC NULLE OU FAIBLE**

[72] WU, WENJUN, US
[72] KAUFMAN, MICHAEL C., US
[73] ARKEMA INC., US
[85] 2014-08-06
[86] 2013-02-05 (PCT/US2013/024698)
[87] (WO2013/119521)
[30] US (61/597,452) 2012-02-10

[11] **2,864,391**
[13] C

[51] **Int.Cl. A61M 1/28 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR TREATING CHRONIC LIVER FAILURE BASED ON PERITONEAL DIALYSIS**

[54] **SYSTEMES ET PROCÉDES DE TRAITEMENT DE L'INSUFFISANCE HEPATIQUE CHRONIQUE SUR LA BASE DE DIALYSE PERITONEALE**

[72] DEGEN, THOMAS, CH
[72] THOMMEN, DANIEL, CH
[72] JOHNSON, NOEL L., US
[73] SEQUANA MEDICAL AG, CH
[85] 2014-08-12
[86] 2012-02-15 (PCT/US2012/025188)
[87] (WO2013/122580)

[11] **2,866,050**
[13] C

[51] **Int.Cl. A01B 33/08 (2006.01)**

[25] EN

[54] **AGRICULTURAL IMPLEMENT ACTUATOR SENSOR PROTECTION**

[54] **PROTECTION D'ACTIONNEUR CAPTEUR POUR APPAREIL AGRICOLE**

[72] HENRY, JAMES W., CA
[72] WILENIEC, MARK, CA
[73] CNH INDUSTRIAL CANADA, LTD., CA
[86] (2866050)
[87] (2866050)
[22] 2014-10-03
[30] US (61/914,566) 2013-12-11

**Canadian Patents Issued
February 26, 2019**

[11] **2,866,096**
[13] C

[51] **Int.Cl. G02B 19/00 (2006.01) H01L 31/042 (2014.01)**
[25] EN
[54] **LINEAR FRESNEL LIGHT CONCENTRATING DEVICE WITH HIGH MULTIPLYING POWER**
[54] **DISPOSITIF DE CONDENSATION DE LUMIERE FRESNEL LINEAIRE AVEC PUISSANCE DE MULTIPLICATION ELEVEE**
[72] LIU, YANG, CN
[72] WANG, QINGBAO, CN
[73] BEIJING TERASOLAR ENERGY TECHNOLOGIES CO., LTD., CN
[85] 2014-09-02
[86] 2013-02-22 (PCT/CN2013/071799)
[87] (WO2013/127317)
[30] CN (201210054424.7) 2012-03-02

[11] **2,867,900**
[13] C

[51] **Int.Cl. A61M 25/088 (2006.01) A61M 25/10 (2013.01)**
[25] EN
[54] **RETROGRADE CARDIOPLEGIA DELIVERY CATHETER**
[54] **CATHETER DE DISTRIBUTION RETROGRADE DE CARDIOPLEGIE**
[72] ARNIM, NATHAN, US
[72] HELLEWELL, MATTHEW R., US
[73] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2014-09-18
[86] 2013-04-17 (PCT/US2013/036988)
[87] (WO2013/158770)
[30] US (13/449,544) 2012-04-18

[11] **2,867,959**
[13] C

[51] **Int.Cl. E04B 2/86 (2006.01) E04B 2/00 (2006.01) E04G 11/06 (2006.01)**
[25] EN
[54] **MULTI-STOREY INSULATED CONCRETE FOAM BUILDING AND METHOD OF CONSTRUCTION THEREOF**
[54] **BATIMENT A ETAGES MULTIPLES EN BETON ET MOUSSE ISOLE ET METHODE DE CONSTRUCTION CONNEXE**
[72] WAY, ALVEN, CA
[73] WAY, ALVEN, CA
[86] (2867959)
[87] (2867959)
[22] 2005-03-09
[62] 2,566,566
[30] US (60/551,327) 2004-03-10

[11] **2,868,000**
[13] C

[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMBINATION COMPRISING A MEK INHIBITOR COMPOUND AND AN ANTI-IGF1R ANTIBODY FOR TREATING CANCER**
[54] **COMBINAISON PHARMACEUTIQUE RENFERMANT UN COMPOSE INHIBITEUR DE MEK ET UN ANTICORPS ANTI-IGF1R DESTINEE AU TRAITEMENT DU CANCER**
[72] HUANG, XIZHONG, US
[72] PETERS, MALTE, CH
[72] CAO, ZHU ALEXANDER, US
[72] GANSERT, JENNIFER LORRAINE, US
[72] CHANG, DAVID DONG EUN, US
[72] BELTRAN, PEDRO, US
[73] AMGEN INC., US
[73] NOVARTIS AG, US
[85] 2014-09-19
[86] 2013-03-13 (PCT/US2013/030781)
[87] (WO2013/142182)
[30] US (61/613,046) 2012-03-20
[30] US (61/763,767) 2013-02-12

[11] **2,868,600**
[13] C

[51] **Int.Cl. B27M 3/00 (2006.01)**
[25] EN
[54] **PROCESSES FOR PREPARING TRIM BOARDS**
[54] **PROCEDES DE PREPARATION DE PLANCHES DE GARNITURE**
[72] DROUIN, NICHOLAS, CA
[72] BEAULIEU, PATRICK, CA
[72] DROUIN, JEAN-FRANCOIS, CA
[73] PRODUITS MATRA INC., CA
[86] (2868600)
[87] (2868600)
[22] 2014-10-21
[30] US (62/015,419) 2014-06-21

[11] **2,869,102**
[13] C

[51] **Int.Cl. C07D 498/18 (2006.01) A61F 2/00 (2006.01) A61K 31/436 (2006.01) A61L 31/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **RAPAMYCIN 40-O-CYCLIC HYDROCARBON ESTERS, COMPOSITIONS AND METHODS**
[54] **ESTERS HYDROCARBONES 40-O-CYCLIQUES DE RAPAMYCINE, COMPOSITIONS ET PROCEDES**
[72] BETTS, RONALD E., US
[72] NGUYEN, JOHN DANG, US
[73] BIOTRONIK AG, CH
[85] 2014-09-30
[86] 2013-06-03 (PCT/EP2013/061343)
[87] (WO2013/182503)
[30] US (61/657,049) 2012-06-08

[11] **2,869,284**
[13] C

[51] **Int.Cl. G01L 9/00 (2006.01) G01L 9/04 (2006.01) G01L 9/06 (2006.01) G01L 9/10 (2006.01) G01L 9/12 (2006.01) H01C 17/23 (2006.01) H01C 17/242 (2006.01)**
[25] EN
[54] **METHOD FOR ADJUSTING A CALIBRATION ELEMENT, AND CORRESPONDING DEVICE**
[54] **PROCEDE DE REGLAGE D'UN ELEMENT D'ETALONNAGE ET DISPOSITIF CORRESPONDANT**
[72] CROCI, MATTIA, CH
[73] METALLUX SA, CH
[85] 2014-10-01
[86] 2013-03-29 (PCT/IB2013/052553)
[87] (WO2013/150435)
[30] IT (TO2012A000293) 2012-04-03

**Brevets canadiens délivrés
26 février 2019**

[11] **2,870,086**

[13] C

- [51] **Int.Cl. A21B 3/13 (2006.01) A23P 30/10 (2016.01) A21D 8/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PRODUCING A COMESTIBLE BAKED PRODUCT IN COMPLEX SHAPES USING CAST MOLDING**
[54] **SYSTEME ET PROCEDE POUR PRODUIRE UN PRODUIT CUIT COMESTIBLE PRESENTANT DES FORMES COMPLEXES AU MOYEN DU MOULAGE PAR COULEE**
[72] WIRTH, TODD LINDSAY, US
[72] WIRTH, FATIMAH, US
[73] WIRTH, TODD LINDSAY, US
[73] WIRTH, FATIMAH, US
[86] (2870086)
[87] (2870086)
[22] 2014-11-03
[30] US (14/069,572) 2013-11-01

[11] **2,870,543**

[13] C

- [51] **Int.Cl. E05F 15/00 (2015.01)**
[25] EN
[54] **AUTOMATIC DOOR WITH EMERGENCY RESCUE SYSTEM**
[54] **PORTE AUTOMATIQUE AVEC SYSTEME DE SECOURS D'URGENCE**
[72] PHILLIPS, PARRISH, CA
[73] COMPLETE ENTRY SYSTEMS AND SERVICES (2004) INC., CA
[86] (2870543)
[87] (2870543)
[22] 2014-11-12
[30] US (61/903,008) 2013-11-12

[11] **2,870,756**

[13] C

- [51] **Int.Cl. F16G 13/16 (2006.01)**
[25] EN
[54] **AN ENERGY GUIDING CHAIN WITH ROLLERS**
[54] **CHAINE PORTE-CABLES A ROULEAUX**
[72] HERMEY, ANDREAS, DE
[73] IGUS GMBH, DE
[85] 2014-10-17
[86] 2013-04-16 (PCT/EP2013/057889)
[87] (WO2013/156469)
[30] DE (20 2012 003 903.2) 2012-04-19

[11] **2,871,074**

[13] C

- [51] **Int.Cl. F23D 14/22 (2006.01)**
[25] EN
[54] **METHOD FOR OPERATING A MULTI-GAS BURNER AND A MULTI-GAS BURNER**
[54] **PROCEDE PERMETTANT DE FAIRE FONCTIONNER UN BRULEUR MULTIGAZ ET BRULEUR MULTIGAZ**
[72] WULFERT, HOLGER, DE
[72] BAETZ, ANDRE, DE
[73] LOESCHE GMBH, DE
[85] 2014-10-21
[86] 2012-06-05 (PCT/EP2012/002402)
[87] (WO2013/182214)

[11] **2,871,991**

[13] C

- [51] **Int.Cl. A61K 33/30 (2006.01) A61K 33/04 (2006.01) A61K 33/32 (2006.01) A61K 33/34 (2006.01)**
[25] EN
[54] **TRACE ELEMENT SOLUTION**
[54] **SOLUTION D'OLIGO-ELEMENTS**
[72] SMITH, WILLIAM ALFRED, IE
[73] WARBURTON TECHNOLOGY LIMITED, IE
[85] 2014-10-29
[86] 2012-05-14 (PCT/IB2012/052389)
[87] (WO2013/171538)

[11] **2,872,896**

[13] C

- [51] **Int.Cl. H02K 7/18 (2006.01) H02K 1/22 (2006.01) H02K 15/00 (2006.01) H02K 15/02 (2006.01)**
[25] EN
[54] **SYNCHRONOUS GENERATOR OF A GEARLESS WIND ENERGY TURBINE**
[54] **GENERATEUR SYNCHRONE D'UNE EOLIENNE A ENTRAINEMENT DIRECT**
[72] GUDEWER, WILKO, DE
[72] GIENGIEL, WOJCIECH, DE
[73] WOBLEN PROPERTIES GMBH, DE
[85] 2014-11-07
[86] 2013-04-05 (PCT/EP2013/057253)
[87] (WO2013/174566)
[30] DE (10 2012 208 547.5) 2012-05-22

[11] **2,873,103**

[13] C

- [51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/178 (2019.01) H04L 12/28 (2006.01) H04L 12/58 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANAGING DATA USING TREE STRUCTURES**
[54] **SYSTEME ET PROCEDE DE GESTION DE DONNEES AU MOYEN D'ARBORESCENCES**
[72] VIEIRA, ELVIS MELO, CA
[73] BLACKBERRY LIMITED, CA
[85] 2014-08-29
[86] 2012-03-16 (PCT/CA2012/050167)
[87] (WO2013/134847)

[11] **2,873,454**

[13] C

- [51] **Int.Cl. F02B 75/32 (2006.01) F02B 75/04 (2006.01) F02F 3/00 (2006.01)**
[25] EN
[54] **PISTON-TRAIN GUIDE APPARATUS AND METHOD**
[54] **APPAREIL ET METHODE DE GUIDAGE DE TRAIN DE PISTON**
[72] YAN, MIIN JENG, US
[73] YAN ENGINES, INC., US
[85] 2014-11-12
[86] 2013-05-22 (PCT/US2013/042290)
[87] (WO2013/177321)
[30] US (61/649,933) 2012-05-22

**Canadian Patents Issued
February 26, 2019**

[11] **2,873,550**
[13] C

[51] **Int.Cl. H01J 61/02 (2006.01) A61L 2/10 (2006.01) F21V 7/00 (2006.01) F21V 21/00 (2006.01)**

[25] EN

[54] **ULTRAVIOLET DISCHARGE LAMP APPARATUSES WITH ONE OR MORE REFLECTORS AND SYSTEMS WHICH DETERMINE OPERATING PARAMETERS AND DISINFECTION SCHEDULES FOR GERMICIDAL DEVICES**

[54] **APPAREILS A LAMPE A DECHARGE ULTRAVIOLETTE POSSEDANT UN OU PLUSIEURS REFLECTEURS ET DES SYSTEMES QUI DETERMINENT DES PARAMETRES DE FONCTIONNEMENT ET DES PROGRAMMES DE DESINFECTION POUR DES DISPOSITIFS GERMICIDES**

[72] STIBICH, MARK ANDREW, US
[72] WOLFORD, JAMES BLAINE, US
[72] GARFIELD, ALEXANDER NATHAN, US

[72] RATHGEBER, MARTIN, US
[72] FRYDENDALL, ERIC MARTIN, US
[73] XENEX DISINFECTION SERVICES, LLC, US

[85] 2014-11-13
[86] 2012-06-08 (PCT/US2012/041483)
[87] (WO2013/106077)
[30] US (13/156,131) 2011-06-08

[11] **2,874,319**
[13] C

[51] **Int.Cl. G01N 23/223 (2006.01) G01N 21/65 (2006.01)**

[25] EN

[54] **SAMPLE ANALYSIS**

[54] **ANALYSE D'ECHANTILLON**

[72] HAMILTON, MARK A., US
[72] PIOREK, STANISLAW, US
[72] CROCOMBE, RICHARD A., US
[73] THERMO SCIENTIFIC PORTABLE ANALYTICAL INSTRUMENTS INC., US

[85] 2014-11-20
[86] 2013-05-09 (PCT/US2013/040266)
[87] (WO2013/180922)
[30] US (13/485,194) 2012-05-31

[11] **2,874,652**
[13] C

[51] **Int.Cl. G06Q 20/32 (2012.01) G06Q 30/06 (2012.01)**

[25] EN

[54] **SYSTEMS, METHODS, AND COMPUTER PROGRAM PRODUCTS FOR PROVIDING A CONTACTLESS PROTOCOL**

[54] **SYSTEMES, PROCEDES ET PRODUITS PROGRAMMES D'ORDINATEUR POUR FOURNIR UN PROTOCOLE SANS CONTACT**

[72] BUSH, LARRY L., US
[72] TOMCZAK, CHRISTOPHER J., US
[73] GOOGLE LLC, US

[85] 2014-11-24
[86] 2013-05-23 (PCT/US2013/042455)
[87] (WO2013/177416)
[30] US (61/651,276) 2012-05-24
[30] US (61/772,260) 2013-03-04
[30] US (61/794,545) 2013-03-15

[11] **2,874,810**
[13] C

[51] **Int.Cl. B60R 22/10 (2006.01) B60R 22/02 (2006.01)**

[25] EN

[54] **APPARATUS FOR ADAPTING A SEATBELT FOR A CHILD**

[54] **APPAREIL POUR ADAPTER UNE CEINTURE DE SECURITE A UN ENFANT**

[72] SUMROY, JON, IL
[73] CARFOLDIO LTD, IL

[85] 2014-11-26
[86] 2013-05-28 (PCT/IL2013/050454)
[87] (WO2013/179283)
[30] US (61/652,338) 2012-05-29

[11] **2,875,366**
[13] C

[51] **Int.Cl. G06Q 30/02 (2012.01) G06F 16/903 (2019.01)**

[25] EN

[54] **METHODS AND APPARATUS FOR EFFICIENT EXECUTION OF MODULES**

[54] **PROCEDES ET APPAREILS POUR EXECUTION EFFICACE DE MODULES**

[72] RAU, NICHOLAS NAVEEN, US
[72] O'HEARN, RYAN, US
[72] STURM, THOMAS, US
[72] BENNETT, JEREMY, US
[73] THE NIELSEN COMPANY (US), LLC, US

[85] 2014-11-28
[86] 2014-02-03 (PCT/US2014/014474)
[87] (WO2014/123819)
[30] US (13/763,333) 2013-02-08

[11] **2,875,500**
[13] C

[51] **Int.Cl. C09K 8/80 (2006.01) E21B 43/26 (2006.01) E21B 43/267 (2006.01)**

[25] EN

[54] **PROPPANTS AND ANTI-FLOWBACK ADDITIVES COMPRISING FLASH CALCINED CLAY, METHODS OF MANUFACTURE, AND METHODS OF USE**

[54] **AGENTS DE SOUTENEMENT ET ADDITIFS ANTIREFLUX COMPRENANT DE L'ARGILE DE CALCINATION ECLAIR, PROCEDES DE FABRICATION ET PROCEDES D'UTILISATION**

[72] WINDEBANK, MARK, GB
[72] PARIAS, THOMAS, BE
[72] HART, JARROD, GB
[73] IMERYS OILFIELD MINERALS, INC., US

[85] 2014-12-02
[86] 2013-06-03 (PCT/US2013/043853)
[87] (WO2013/184558)
[30] US (61/655,231) 2012-06-04

**Brevets canadiens délivrés
26 février 2019**

[11] **2,875,536**
[13] C

[51] **Int.Cl. F27D 11/10 (2006.01) F16J 15/02 (2006.01) F27B 3/10 (2006.01) F27D 1/00 (2006.01)**

[25] EN

[54] **ELECTRODE SEAL FOR USE IN A METALLURGICAL FURNACE**

[54] **JOINT D'ELECTRODE DESTINE A UN FOUR DE METALLURGIE**

[72] CHAO, JOHN, CA

[73] 9282-3087 QUEBEC (DBA TMC CANADA), CA

[86] (2875536)

[87] (2875536)

[22] 2014-12-18

[30] CA (PCT/CA2013/001086) 2013-12-20

[11] **2,875,602**
[13] C

[51] **Int.Cl. B65D 41/04 (2006.01)**

[25] EN

[54] **SAFETY CAP**

[54] **BOUCHON DE SECURITE**

[72] TADA, KAORI, JP

[72] TAKAHATA, OSAMU, JP

[73] SHINKO CHEMICAL CO., LTD., JP

[85] 2014-12-03

[86] 2012-11-21 (PCT/JP2012/080187)

[87] (WO2013/183180)

[30] JP (2012-129510) 2012-06-07

[11] **2,875,749**
[13] C

[51] **Int.Cl. A61K 38/19 (2006.01) A61P 11/00 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION FOR TREATMENT OF THE PULMONARY FORM OF ALTITUDE SICKNESS CAUSED BY LACK OF OXYGEN AND REDUCED AIR PRESSURE**

[54] **COMPOSITION PHARMACEUTIQUE POUR TRAITER LA FORME PULMONAIRE DU MAL DE L'ALTITUDE CAUSEE PAR LA RAREFACTION DE L'OXYGENE ET LA DIMINUTION DE LA PRESSION ATMOSPHERIQUE**

[72] FISCHER, BERNHARD, AT

[72] LUCAS, RUDOLF, US

[72] FISCHER, HENDRIK, AT

[73] APEPTICO FORSCHUNG UND ENTWICKLUNG GMBH, AT

[85] 2014-12-04

[86] 2013-06-19 (PCT/EP2013/062777)

[87] (WO2014/001177)

[30] EP (12173983.3) 2012-06-28

[11] **2,875,966**
[13] C

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4439 (2006.01) C07D 403/04 (2006.01) C07D 403/14 (2006.01) C07D 413/04 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01) C07D 513/04 (2006.01)**

[25] EN

[54] **COMPOUNDS AND COMPOSITIONS FOR MODULATING EGFR ACTIVITY**

[54] **COMPOSES ET COMPOSITIONS DESTINES A LA MODULATION DE L'ACTIVITE DE L'EGFR**

[72] LELAIS, GERALD, US

[72] EPPLE, ROBERT, US

[72] MARSILJE, THOMAS H., III, US

[72] MICHELLYS, PIERRE-YVES, US

[72] MCNEILL, MATTHEW H., US

[72] LONG, YUN, US

[72] LU, WENSHUO, US

[72] CHEN, BEI, US

[72] BURSULAYA, BADRY, US

[72] JIANG, SONGCHUN, US

[73] NOVARTIS AG, CH

[85] 2014-12-05

[86] 2013-06-05 (PCT/US2013/044247)

[87] (WO2013/184757)

[30] IN (1741/DEL/2012) 2012-06-06

[30] US (61/770,752) 2013-02-28

[11] **2,876,297**
[13] C

[51] **Int.Cl. A61N 1/05 (2006.01) A61N 1/06 (2006.01) A61N 1/36 (2006.01)**

[25] EN

[54] **THERAPY DELIVERY DEVICES AND METHODS FOR NON-DAMAGING NEURAL TISSUE CONDUCTION BLOCK**

[54] **DISPOSITIFS D'ADMINISTRATION DE THERAPIE ET METHODES POUR NE PAS ENDOMMAGER UN BLOC DE CONDUCTION DE TISSU NEURAL**

[72] BHADRA, NILOY, US

[72] KILGORE, KEVIN L., US

[72] BHADRA, NERENDRA, US

[72] WAINRIGHT, JESSE, US

[72] VRABEC, TINA, US

[72] FRANKE, MANFRED, US

[73] CASE WESTERN RESERVE UNIVERSITY, US

[85] 2014-12-10

[86] 2013-06-14 (PCT/US2013/045859)

[87] (WO2013/188753)

[30] US (61/660,383) 2012-06-15

[30] US (61/821,862) 2013-05-10

Canadian Patents Issued
February 26, 2019

[11] **2,876,739**
[13] C

[51] **Int.Cl. A61K 31/785 (2006.01) A61K 9/00 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION CONTAINING PHOSPHATE BINDING POLYMER**

[54] **COMPOSITION PHARMACEUTIQUE CONTENANT UN POLYMERE DE LIAISON AU PHOSPHATE**

[72] KARAVAS, EVANGELOS, GR

[72] KOUTRIS, EFTHIMIOS, GR

[72] SAMARA, VASILIKI, GR

[72] DIAKIDOU, AMALIA, GR

[72] PAPANIKOLAOU, GEORGIA, GR

[72] MPARMPALEXIS, PANAGIOTIS, GR

[73] PHARMATHEN S.A., GR

[85] 2014-12-15

[86] 2012-06-15 (PCT/EP2012/002547)

[87] (WO2013/185789)

[11] **2,877,749**
[13] C

[51] **Int.Cl. C12Q 1/02 (2006.01) C12Q 1/6809 (2018.01) C12Q 1/04 (2006.01) C12Q 1/06 (2006.01)**

[25] EN

[54] **A METHOD FOR CONSTRUCTING A DIVERSITY INDEX AND A VIABILITY INDEX OF MICROORGANISMS IN PROCESS SAMPLES**

[54] **PROCEDE DE CONSTRUCTION D'INDICES DE DIVERSITE ET DE VIABILITE DE MICRO-ORGANISMES DANS DES ECHANTILLONS DE TRAITEMENT**

[72] RICE, LAURA E., US

[72] LUND, LILIYA, US

[73] NALCO COMPANY, US

[85] 2014-12-10

[86] 2013-07-17 (PCT/US2013/050896)

[87] (WO2014/015044)

[30] US (13/550,748) 2012-07-17

[11] **2,877,954**
[13] C

[51] **Int.Cl. A61B 17/22 (2006.01)**

[25] EN

[54] **OBSTRUCTION REMOVAL SYSTEM**

[54] **SYSTEME DE RETRAIT D'OBSTRUCTION**

[72] BOWMAN, HEATH, US

[73] MICROVENTION, INC., US

[85] 2014-12-24

[86] 2013-06-27 (PCT/US2013/048322)

[87] (WO2014/004910)

[30] US (61/665,280) 2012-06-27

[30] US (13/844,148) 2013-03-15

[11] **2,878,175**
[13] C

[51] **Int.Cl. H01M 8/0273 (2016.01)**

[25] EN

[54] **FUEL CELL STACK**

[54] **EMPILEMENT DE PILES A COMBUSTIBLE**

[72] KAGEYAMA, KAZUHIRO, JP

[72] ABE, MITSUTAKA, JP

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

[85] 2014-12-30

[86] 2013-06-28 (PCT/JP2013/067925)

[87] (WO2014/007182)

[30] JP (2012-148855) 2012-07-02

[11] **2,878,671**
[13] C

[51] **Int.Cl. E02B 3/26 (2006.01)**

[25] EN

[54] **A MARITIME FENDER AND ASSOCIATED METHOD OF MAINTENANCE**

[54] **DEFENSE MARITIME ET PROCEDE D'ENTRETIEN S'Y RAPPORTANT**

[72] SMITH, SCOTT, SG

[73] TRELLEBORG MARINE SYSTEMS MELBOURNE PTY LTD, AU

[85] 2015-01-08

[86] 2012-07-11 (PCT/AU2012/000832)

[87] (WO2014/008525)

[11] **2,879,351**
[13] C

[51] **Int.Cl. C10G 2/00 (2006.01) C10G 5/00 (2006.01) C10J 3/46 (2006.01)**

[25] EN

[54] **INTEGRATION OF SYNGAS GENERATION TECHNOLOGY WITH FISCHER-TROPSCH PRODUCTION VIA CATALYTIC GAS CONVERSION**

[54] **INTEGRATION DE TECHNOLOGIE DE GENERATION DE GAZ DE SYNTHESE AVEC PRODUCTION DE FISCHER-TROPSCH VIA CONVERSION DE GAZ CATALYTIQUE**

[72] APANEL, GEORGE, US

[72] WEIBIN, JIANG, US

[72] MOHEDAS, SERGIO, US

[72] WRIGHT, HAROLD A., US

[73] RES USA, LLC, US

[85] 2015-01-16

[86] 2013-07-15 (PCT/US2013/050484)

[87] (WO2014/014818)

[30] US (61/672,023) 2012-07-16

[11] **2,879,760**
[13] C

[51] **Int.Cl. A01N 45/02 (2006.01) A01N 37/34 (2006.01) A01N 37/36 (2006.01) A01N 43/36 (2006.01) A01N 43/40 (2006.01) A01N 43/54 (2006.01) A01N 43/56 (2006.01) A01N 43/84 (2006.01) A01N 43/90 (2006.01) A01P 3/00 (2006.01) C07C 235/34 (2006.01) C07D 231/14 (2006.01) C07D 231/16 (2006.01) C07D 487/04 (2006.01)**

[25] EN

[54] **SYNERGISTIC FUNGICIDAL COMBINATIONS COMPRISING TRICYCLIC CARBOXAMIDE DERIVATIVES**

[54] **COMBINAISONS FONGICIDES SYNERGIQUES RENFERMANT DES DERIVES DE CARBOXAMIDE TRICYCLIQUE**

[72] WALTER, HARALD, CH

[72] CORSI, CAMILLA, CH

[72] EHRENFREUND, JOSEF, CH

[72] LAMBERTH, CLEMENS, CH

[72] TOBLER, HANS, CH

[73] SYNGENTA PARTICIPATIONS AG, CH

[86] (2879760)

[87] (2879760)

[22] 2005-10-06

[62] 2,790,809

[30] GB (0422401.0) 2004-10-08

**Brevets canadiens délivrés
26 février 2019**

[11] **2,880,318**
[13] C

[51] **Int.Cl. G07F 17/32 (2006.01)**
[25] EN
[54] **GAMING MACHINE**
[54] **APPAREIL DE DIVERTISSEMENT**
[72] FAUL, THOMAS, DE
[72] LUFT, MICHAEL RUDOLPH, DE
[73] NOVOMATIC AG, AT
[85] 2015-01-28
[86] 2013-07-05 (PCT/EP2013/064233)
[87] (WO2014/019802)
[30] DE (10 2012 107 132.2) 2012-08-03

[11] **2,880,647**
[13] C

[51] **Int.Cl. G07F 17/32 (2006.01)**
[25] EN
[54] **GAMING MACHINE**
[54] **APPAREIL DE DIVERTISSEMENT**
[72] FAUL, THOMAS, DE
[72] LUFT, MICHAEL RUDOLPH, DE
[73] NOVOMATIC AG, AT
[85] 2015-01-30
[86] 2013-07-05 (PCT/EP2013/064229)
[87] (WO2014/019801)
[30] DE (102012107132.2) 2012-08-03

[11] **2,881,284**
[13] C

[51] **Int.Cl. G01C 9/06 (2006.01) G05D 1/06 (2006.01)**
[25] EN
[54] **MEASURING APPARATUS FOR CHECKING AN APPROACH PATH INDICATOR FOR THE LANDING OF AN AIRCRAFT, AND CORRESPONDING CHECKING DEVICE**
[54] **EQUIPEMENT DE MESURE POUR LE CONTROLE D'UN INDICATEUR DE TRAJECTOIRE D'APPROCHE POUR L'ATTERRISSAGE D'UN AVION, ET DISPOSITIF DE CONTROLE CORRESPONDANT**
[72] LE CAM, LIONEL, FR
[72] MORANCAY, BASILE, FR
[72] IRAQUI-HOUSSAINI, AMINE, FR
[72] LONGY, JEAN-ETIENNE, FR
[73] FB TECHNOLOGY, FR
[85] 2015-02-05
[86] 2012-10-10 (PCT/EP2012/070080)
[87] (WO2013/053773)
[30] FR (1159139) 2011-10-10

[11] **2,881,474**
[13] C

[51] **Int.Cl. B01J 25/00 (2006.01) C07B 35/02 (2006.01) C07B 35/04 (2006.01) C07B 35/06 (2006.01)**
[25] EN
[54] **A SUPPORTED CATALYST, ITS ACTIVATED FORM, AND THEIR PREPARATION AND USE**
[54] **UN CATALYSEUR SUR SUPPORT, SA FORME ACTIVEE, SA PREPARATION ET SON UTILISATION**
[72] DAI, WEI, CN
[72] JIANG, HAIBIN, CN
[72] LU, SHULIANG, CN
[72] ZHANG, XIAOHONG, CN
[72] WANG, GUOQING, CN
[72] QIAO, JINLIANG, CN
[72] PENG, HUI, CN
[73] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[73] BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[85] 2015-02-05
[86] 2013-08-06 (PCT/CN2013/080898)
[87] (WO2014/023220)
[30] CN (201210277334.4) 2012-08-06

[11] **2,883,250**
[13] C

[51] **Int.Cl. G01B 15/06 (2006.01) E21B 44/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING TORSION USING AN OPTO-ANALYTICAL DEVICE**
[54] **SYSTEME ET PROCEDE DE DETERMINATION D'UNE TORSION A L'AIDE D'UN DISPOSITIF OPTO-ANALYTIQUE**
[72] PELLETIER, MICHAEL T., US
[72] FREESE, ROBERT P., US
[72] CHEN, SHILIN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-02-25
[86] 2012-08-31 (PCT/US2012/053468)
[87] (WO2014/035425)

[11] **2,884,029**
[13] C

[51] **Int.Cl. G01S 7/481 (2006.01) G02B 1/02 (2006.01)**
[25] EN
[54] **WIDE FIELD OF VIEW MULTIBEAM OPTICAL APPARATUS**
[54] **APPAREIL OPTIQUE MULTIFAISCEAU A GRAND CHAMP DE VISION**
[72] REIMER, CHRISTOPHER JACOB, CA
[73] RAYTHEON CANADA LIMITED, CA
[85] 2015-03-04
[86] 2013-12-13 (PCT/CA2013/001041)
[87] (WO2014/094119)
[30] US (61/739,997) 2012-12-20

[11] **2,884,437**
[13] C

[51] **Int.Cl. H05K 7/14 (2006.01) H04W 84/00 (2009.01) G16H 40/63 (2018.01) A61G 12/00 (2006.01) A61J 15/00 (2006.01) H02J 7/00 (2006.01) H02J 9/00 (2006.01)**
[25] EN
[54] **DOCKING STATION AND ENTERAL FEEDING PUMP SYSTEM**
[54] **STATION D'ACCUEIL ET SYSTEME DE POMPAGE D'ALIMENTATION ENTERALE**
[72] HARR, JAMES M., US
[72] MCHUGH, GABRIEL, US
[72] TRELFOURD, LESTER PAUL, US
[72] WALDHOF, GARY J., US
[72] PROWS, DENNIS SCOTT, US
[73] KPR U.S., LLC, US
[85] 2015-03-09
[86] 2013-09-13 (PCT/US2013/059703)
[87] (WO2014/043499)
[30] US (61/700,682) 2012-09-13

**Canadian Patents Issued
February 26, 2019**

[11] **2,884,854**
[13] C

[51] **Int.Cl. E21B 10/60 (2006.01) E21B 23/06 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **WELL TOOL WITH DYNAMIC METAL-TO-METAL SHAPE MEMORY MATERIAL SEAL**
[54] **OUTIL DE Puits A JOINT D'ETANCHEITE EN MATERIAU A MEMOIRE DE FORME METAL-METAL DYNAMIQUE**
[72] CARROLL, SEAN, US
[72] FRIPP, MICHAEL L., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-03-12
[86] 2012-10-05 (PCT/US2012/059063)
[87] (WO2014/055089)

[11] **2,886,303**
[13] C

[51] **Int.Cl. B01D 27/08 (2006.01)**
[25] EN
[54] **FILTER ELEMENTS AND METHODS FOR FILTERING FLUIDS**
[54] **ELEMENTS DE FILTRE ET METHODES DE FILTRAGE DE LIQUIDES**
[72] CARRION, ALEXANDER, US
[73] PALL CORPORATION, US
[86] (2886303)
[87] (2886303)
[22] 2015-03-26
[30] US (14/292,030) 2014-05-30

[11] **2,886,393**
[13] C

[51] **Int.Cl. A61K 31/575 (2006.01) A61P 3/04 (2006.01)**
[25] EN
[54] **PENTACYCLIC TRITERPENES FOR THE TREATMENT OF OBESITY**
[54] **TRITERPENES PENTACYCLIQUES DESTINES AU TRAITEMENT DE L'OBESITE**
[72] OZCAN, UMUT, US
[72] MAJZOUN, JOSEPH, US
[72] MAZITSCHK, RALPH, US
[72] CAKIR, ISIN, US
[72] CABI, SERKAN, US
[73] THE CHILDREN'S MEDICAL CENTER CORPORATION, US
[73] THE GENERAL HOSPITAL CORPORATION, US
[85] 2015-03-26
[86] 2013-09-26 (PCT/US2013/061911)
[87] (WO2014/052583)
[30] US (61/706,153) 2012-09-27

[11] **2,888,060**
[13] C

[51] **Int.Cl. A61K 31/07 (2006.01) A61K 9/08 (2006.01) A61K 31/327 (2006.01) A61K 31/60 (2006.01) A61K 31/616 (2006.01) A61K 47/24 (2006.01) A61K 47/30 (2006.01) A61P 17/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **LOW TOXICITY TOPICAL ACTIVE AGENT DELIVERY SYSTEM**
[54] **SYSTEME D'ADMINISTRATION D'AGENT ACTIF TOPIQUE A FAIBLE TOXICITE**
[72] KULESZA, JOHN E., US
[73] KULESZA, JOHN E., US
[85] 2015-04-15
[86] 2013-10-21 (PCT/US2013/065868)
[87] (WO2014/066225)
[30] US (61/717,830) 2012-10-24
[30] US (13/795,663) 2013-03-12

[11] **2,889,241**
[13] C

[51] **Int.Cl. A61B 17/12 (2006.01) A61F 2/01 (2006.01)**
[25] EN
[54] **SPACE FILLING DEVICES**
[54] **DISPOSITIFS DE REMPLISSAGE D'ESPACE**
[72] LARSEN, COBY C., US
[72] LURIE, BRANDON A., US
[72] MASTERS, STEVEN J., US
[72] MCDANIEL, THOMAS R., US
[72] ZUKOWSKI, STANISLAW L., US
[73] W. L. GORE & ASSOCIATES, INC., US
[85] 2015-04-22
[86] 2013-11-15 (PCT/US2013/070371)
[87] (WO2014/078698)
[30] US (61/727,458) 2012-11-16
[30] US (61/798,791) 2013-03-15
[30] US (14/080,739) 2013-11-14

[11] **2,890,615**
[13] C

[51] **Int.Cl. E21B 19/24 (2006.01) E21B 47/017 (2012.01) E21B 47/01 (2012.01)**
[25] EN
[54] **DRILL COLLAR WITH INTEGRATED PROBE CENTRALIZER**
[54] **MASSE-TIGE A CENTRALISATEUR DE SOND E INTEGREE**
[72] DERKACZ, PATRICK R., CA
[72] LOGAN, AARON W., CA
[72] LOGAN, JUSTIN C., CA
[72] SWITZER, DAVID A., CA
[73] EVOLUTION ENGINEERING INC., CA
[85] 2015-05-05
[86] 2013-11-06 (PCT/CA2013/050852)
[87] (WO2014/071522)
[30] US (61/723,288) 2012-11-06

**Brevets canadiens délivrés
26 février 2019**

[11] **2,891,954**
[13] C

- [51] **Int.Cl. B01D 25/32 (2006.01)**
[25] EN
[54] **SELF-CLEANING SYSTEM FOR FILTER PRESS**
[54] **SYSTEME AUTONETTOYANT POUR PRESSE A FILTRE**
[72] CHABOT, MARC ANDRE, CA
[72] DOYON, STEPHANE, CA
[73] LES EQUIPEMENTS D'ERABLIERE CDL INC., CA
[86] (2891954)
[87] (2891954)
[22] 2015-05-19
[30] CA (2,852,577) 2014-05-16
[30] US (61/994,352) 2014-05-16

[11] **2,893,443**
[13] C

- [51] **Int.Cl. G06F 15/16 (2006.01)**
[25] EN
[54] **CONVERSION TRACKING FOR INSTALLATION OF APPLICATIONS ON MOBILE DEVICES**
[54] **SUIVI DE CONVERSION DESTINEE A L'INSTALLATION D'APPLICATIONS SUR DES DISPOSITIFS MOBILES**
[72] LIU, DEBORAH, US
[72] MATHUR, NIPUN, US
[72] CHIA, TECK, US
[72] RAJI, VIJAYE GANESH, US
[73] FACEBOOK, INC., US
[85] 2015-06-01
[86] 2014-01-22 (PCT/US2014/012447)
[87] (WO2014/116638)
[30] US (13/748,560) 2013-01-23
[30] EP (14151554.4) 2014-01-17

[11] **2,894,069**
[13] C

- [51] **Int.Cl. C12N 15/86 (2006.01) C07K 14/08 (2006.01) C12N 7/01 (2006.01) C12N 15/40 (2006.01)**
[25] EN
[54] **PRRS VIRUSES, INFECTIOUS CLONES, MUTANTS THEREOF, AND METHODS OF USE**
[54] **VIRUS PRRS, CLONES INFECTIEUX, MUTANTS DE CES VIRUS ET PROCEDE D'UTILISATION**
[72] FAABERG, KAY S., US
[72] HAN, JUN, US
[72] LIU, GONGPING, US
[72] WANG, YUE, US
[73] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
[86] (2894069)
[87] (2894069)
[22] 2006-06-23
[62] 2,611,820
[30] US (60/694,021) 2005-06-24

[11] **2,894,105**
[13] C

- [51] **Int.Cl. G06F 21/57 (2013.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR INCREMENTAL CODE SIGNING**
[54] **PROCEDE ET APPAREIL PERMETTANT DE SIGNER UN CODE DE MANIERE INCREMENTIE LE**
[72] KIEHTREIBER, PERRY, US
[72] BROUWER, MICHAEL, US
[73] APPLE INC., US
[86] (2894105)
[87] (2894105)
[22] 2004-09-10
[62] 2,632,076
[30] US (10/666,847) 2003-09-18

[11] **2,894,669**
[13] C

- [51] **Int.Cl. A61F 13/475 (2006.01) A61F 13/532 (2006.01) A61F 13/539 (2006.01)**
[25] EN
[54] **ABSORBENT CORE WITH HIGH SUPERABSORBENT MATERIAL CONTENT**
[54] **NOYAU ABSORBANT CONTENANT UN MATERIAU SUPER ABSORBANT**
[72] ARIZTI, BLANCA, DE
[72] BIANCHI, ERNESTO, DE
[72] EHRNSPERGER, BRUNO JOHANNES, DE
[72] JACKELS, HANS ADOLF, DE
[72] KREUZER, CARSTEN HEINRICH, DE
[72] ROSATI, RODRIGO, DE
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2015-06-10
[86] 2013-12-10 (PCT/US2013/074068)
[87] (WO2014/093311)
[30] EP (12196343.3) 2012-12-10

[11] **2,895,059**
[13] C

- [51] **Int.Cl. F16B 37/14 (2006.01) E04F 13/24 (2006.01) F16B 25/00 (2006.01) F16B 35/06 (2006.01)**
[25] EN
[54] **THERMALLY-ISOLATING FASTENER**
[54] **FIXATION AYANT DES PROPRIETES D'ISOLEMENT THERMIQUE**
[72] HOHMANN, RONALD P., JR., US
[73] MITEK HOLDINGS, INC., US
[86] (2895059)
[87] (2895059)
[22] 2015-06-22
[30] US (14/313,645) 2014-06-24

**Canadian Patents Issued
February 26, 2019**

[11] **2,895,089**
[13] C

[51] **Int.Cl. C11B 9/00 (2006.01) A61K 8/44 (2006.01) A61K 8/46 (2006.01) A61Q 5/02 (2006.01) A61Q 13/00 (2006.01) A61Q 19/10 (2006.01)**

[25] EN
[54] **FRAGRANCE MATERIALS**
[54] **MATIERES DE PARFUM**
[72] CETTI, JONATHAN ROBERT, US
[72] DUBOIS, ZERLINA GUZDAR, US
[72] HUTCHINS, VIRGINIA TZUNG-HWEI, US
[72] KINSEY, MICHAEL WAYNE, US
[72] READNOUR, CHRISTINE MARIE, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2015-06-12
[86] 2013-12-13 (PCT/US2013/074986)
[87] (WO2014/093807)
[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] **2,895,314**
[13] C

[51] **Int.Cl. B01F 13/00 (2006.01) B01F 15/00 (2006.01)**

[25] EN
[54] **FRACTURING FLUID PROCESS PLANT AND METHOD THEREOF**
[54] **INSTALLATION DE TRAITEMENT DE FLUIDES DE FRACTURATION ET PROCEDE ASSOCIE**
[72] BURNETTE, BLAKE, US
[73] BAKER HUGHES INCORPORATED, US
[85] 2015-06-16
[86] 2013-11-08 (PCT/US2013/069151)
[87] (WO2014/099172)
[30] US (13/718,429) 2012-12-18

[11] **2,896,648**
[13] C

[51] **Int.Cl. B23B 31/113 (2006.01)**

[25] EN
[54] **TOOL HOLDING STRUCTURE**
[54] **STRUCTURE DE PORTE-OUTIL**
[72] SURUGA, HIROKAZU, JP
[73] DAISHOWA SEIKI KABUSHIKI KAISHA, JP
[85] 2015-06-26
[86] 2013-03-05 (PCT/JP2013/055991)
[87] (WO2014/103350)
[30] JP (PCT/JP2012/084131) 2012-12-28

[11] **2,896,834**
[13] C

[51] **Int.Cl. C07K 7/08 (2006.01) A61K 31/713 (2006.01) C12N 15/87 (2006.01) C12N 15/113 (2010.01) C07H 21/00 (2006.01)**

[25] EN
[54] **COMPOSITIONS AND METHODS FOR POLYNUCLEOTIDE TRANSFECTION**
[54] **COMPOSITIONS ET PROCEDES DE TRANSFECTION DE POLYNUCLEOTIDES**
[72] WICKLINE, SAMUAL A., US
[72] HOU, KIRK, US
[73] WASHINGTON UNIVERSITY, US
[85] 2015-06-29
[86] 2014-01-03 (PCT/US2014/010212)
[87] (WO2014/107596)
[30] US (61/748,615) 2013-01-03
[30] US (61/869,634) 2013-08-23
[30] US (61/873,187) 2013-09-03

[11] **2,897,757**
[13] C

[51] **Int.Cl. F21K 9/62 (2016.01) F21K 9/27 (2016.01) G02B 5/08 (2006.01) G02B 17/00 (2006.01)**

[25] EN
[54] **OPTICAL DEVICES FOR LIGHT MIXING**
[54] **DISPOSITIFS OPTIQUES DESTINES AU MELANGE D'ECLAIRAGE**
[72] CAMP, RANDOLPH C., III, US
[73] THE BOEING COMPANY, US
[86] (2897757)
[87] (2897757)
[22] 2015-07-20
[30] US (14/501,449) 2014-09-30

[11] **2,899,499**
[13] C

[51] **Int.Cl. E04B 1/26 (2006.01) E04B 1/18 (2006.01) E04B 1/36 (2006.01) E04B 1/38 (2006.01)**

[25] EN
[54] **HANGER WITH LOCATOR TOOTH**
[54] **SUPPORT DOTE D'UNE DENT DE DISPOSITIF DE REPERAGE**
[72] GREVIOUS, TODD, US
[72] BREKKE, STEVE, US
[73] MITEK HOLDINGS, INC., US
[86] (2899499)
[87] (2899499)
[22] 2015-08-04
[30] US (14/476,938) 2014-09-04

[11] **2,900,863**
[13] C

[51] **Int.Cl. H04N 19/59 (2014.01) H04N 19/176 (2014.01) H04N 19/42 (2014.01)**

[25] EN
[54] **ENHANCED INTRA-PREDICTION CODING USING PLANAR REPRESENTATIONS**
[54] **CODAGE PREDICTIF INTRA AMELIORE UTILISANT DES REPRESENTATIONS PLANES**
[72] BOSSEN, FRANK JAN, US
[72] KANUMURI, SANDEEP, US
[73] NTT DOCOMO, INC., JP
[86] (2900863)
[87] (2900863)
[22] 2011-12-21
[62] 2,822,391
[30] US (61/425,670) 2010-12-21
[30] US (61/449,528) 2011-03-04

[11] **2,902,019**
[13] C

[51] **Int.Cl. H04L 12/58 (2006.01) H04L 12/16 (2006.01)**

[25] EN
[54] **UBERFEED**
[54] **UBERFEED**
[72] TSENG, ERICK, US
[73] FACEBOOK, INC., US
[86] (2902019)
[87] (2902019)
[22] 2012-05-31
[62] 2,837,603
[30] US (13/152,691) 2011-06-03

[11] **2,902,365**
[13] C

[51] **Int.Cl. A47C 1/026 (2006.01) B60N 2/20 (2006.01) B60N 2/225 (2006.01) B60N 2/235 (2006.01)**

[25] EN
[54] **DISC RECLINER WITH TAPERED PIN CAM SURFACE**
[54] **DISPOSITIF D'INCLINAISON A DISQUE PRESENTANT UNE SURFACE DE CAME PINCE A SECTION DECOISSANTE**
[72] TAME, OMAR D., US
[72] AKTAS, MACIT, CA
[73] MAGNA SEATING INC., CA
[85] 2015-08-25
[86] 2014-03-18 (PCT/CA2014/000277)
[87] (WO2014/146194)
[30] US (61/802,885) 2013-03-18

**Brevets canadiens délivrés
26 février 2019**

[11] **2,902,548**
[13] C

- [51] **Int.Cl. E21B 43/12 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHOD FOR CONTROLLING PRODUCTION OF HYDROCARBONS**
[54] **SYSTEMES ET METHODE DE CONTROLE DE PRODUCTION D'HYDROCARBURES**
[72] LASTIWKA, MARTIN, CA
[73] SUNCOR ENERGY INC., CA
[86] (2902548)
[87] (2902548)
[22] 2015-08-31

[11] **2,904,609**
[13] C

- [51] **Int.Cl. F16L 13/02 (2006.01) F16L 13/04 (2006.01)**
[25] EN
[54] **JOINT LOCK RING SYSTEM FOR LINED PIPE**
[54] **SYSTEME D'ANNEAUX DE BLOCAGE D'ARTICULATION DESTINE A UN TUYAU DOUBLE**
[72] RABER, ROBERT P., US
[73] IMPERIAL PIPE SERVICES, LLC, US
[85] 2015-09-08
[86] 2014-03-11 (PCT/US2014/023652)
[87] (WO2014/164862)
[30] US (61/775,749) 2013-03-11

[11] **2,904,643**
[13] C

- [51] **Int.Cl. H04L 12/26 (2006.01) H04L 12/28 (2006.01)**
[25] EN
[54] **PORTABLE PLATFORM FOR NETWORKED COMPUTING**
[54] **PLATE-FORME PORTATIVE POUR INFORMATIQUE EN RESEAU**
[72] MAGUIRE, YAEL, US
[72] COGLITORE, GIOVANNI, US
[73] FACEBOOK, INC., US
[85] 2015-09-08
[86] 2014-03-12 (PCT/US2014/024793)
[87] (WO2014/151028)
[30] US (61/801,526) 2013-03-15
[30] US (13/914,563) 2013-06-10

[11] **2,907,379**
[13] C

- [51] **Int.Cl. E21B 43/22 (2006.01) C09K 8/58 (2006.01)**
[25] EN
[54] **TREATMENT FLUIDS COMPRISING WEAKLY EMULSIFYING SURFACTANTS AND ASSOCIATED METHODS**
[54] **FLUIDES DE TRAITEMENT COMPRENANT DES AGENTS TENSIOACTIFS EMULSIFIANTS FAIBLES ET PROCEDES ASSOCIES**
[72] XU, LIANG, US
[73] MULTI-CHEM GROUP, LLC, US
[85] 2015-09-15
[86] 2014-04-11 (PCT/US2014/033806)
[87] (WO2014/172199)
[30] US (61/814,089) 2013-04-19

[11] **2,907,611**
[13] C

- [51] **Int.Cl. C09J 163/00 (2006.01)**
[25] EN
[54] **COMPOSITION FOR PRODUCING PUTTIES AND METHOD FOR PRODUCING AND PROCESSING THE PUTTIES**
[54] **COMPOSITION DE PRODUCTION DE MASTICS ET PROCEDE DE PRODUCTION ET DE TRAITEMENT DESDITS MASTICS**
[72] WEHNER, JOCHEN, DE
[72] BUENING, JENS, DE
[72] VOSS, MARTINA, DE
[73] MANKIEWICZ GEBR. & CO. GMBH & CO. KG, DE
[85] 2015-09-18
[86] 2014-05-12 (PCT/DE2014/000240)
[87] (WO2014/180463)
[30] DE (10 2013 007 917.9) 2013-05-10

[11] **2,908,249**
[13] C

- [51] **Int.Cl. E04H 4/12 (2006.01) A61H 33/00 (2006.01) A63B 69/12 (2006.01)**
[25] EN
[54] **METHOD FOR PROVIDING SWIM-IN-PLACE FUNCTIONALITY IN A BATHING UNIT SYSTEM AND CONTROL SYSTEM IMPLEMENTING SAME**
[54] **METHODE D'AMELIORATION DE LA FONCTIONNALITE DE NAGE SUR PLACE DANS UN SYSTEME DE MODULE DE BAIN ET DISPOSITIF DE COMMANDE DE MISE EN PLACE DE LADITE METHODE**
[72] LAFLAMME, BENOIT, CA
[72] BROCHU, CHRISTIAN, CA
[72] MATTAR, BRIGIDE, CA
[73] GECKO ALLIANCE GROUP INC., CA
[86] (2908249)
[87] (2908249)
[22] 2015-10-09

[11] **2,908,421**
[13] C

- [51] **Int.Cl. A61L 31/14 (2006.01) A61F 2/945 (2013.01) A61L 31/16 (2006.01)**
[25] EN
[54] **MATERIALS, SYSTEMS, DEVICES, AND METHODS FOR ENDOLUMINAL ELECTROPOLYMERIC PAVING AND SEALING**
[54] **MATERIAUX, SYSTEMES, DISPOSITIFS ET PROCEDES POUR LE PAVAGE ET L'ENROBAGE ELECTROPOLYMERES ENDOLUMINAUX**
[72] SLEPIAN, MARVIN J., US
[73] THE ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, US
[85] 2015-09-30
[86] 2014-04-04 (PCT/US2014/033078)
[87] (WO2014/165822)
[30] US (61/808,545) 2013-04-04

Canadian Patents Issued
February 26, 2019

[11] **2,908,567**
[13] C
[51] **Int.Cl. F03D 80/40 (2016.01) F03D 1/06 (2006.01)**
[25] EN
[54] **ROTOR BLADE OF A WIND TURBINE**
[54] **PALE DE ROTOR D'EOLIENNE**
[72] PAWIS, TORSTEN, DE
[72] MIDDELSTADT, FALK, DE
[72] SCHULZE, THOMAS, DE
[72] RUBNER, FLORIAN, DE
[73] WOBLEN PROPERTIES GMBH, DE
[85] 2015-10-01
[86] 2014-04-09 (PCT/EP2014/057120)
[87] (WO2014/166979)
[30] DE (102013206493.4) 2013-04-11

[11] **2,908,948**
[13] C
[51] **Int.Cl. A61F 2/04 (2013.01) A61F 2/07 (2013.01) A61B 17/11 (2006.01) A61F 2/06 (2013.01) A61F 2/86 (2013.01)**
[25] EN
[54] **STENT WITH BALLOON FOR REPAIR OF ANASTOMOSIS SURGERY LEAKS**
[54] **ENDOPROTHESE AVEC BALLONNET POUR LA REPARATION DE FUITES CHIRURGICALES D'ANASTOMOSE**
[72] WEINER, JASON, US
[73] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2015-10-05
[86] 2014-02-27 (PCT/US2014/019119)
[87] (WO2014/134348)
[30] US (61/770,403) 2013-02-28

[11] **2,909,648**
[13] C
[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01) A61B 17/94 (2006.01) A61B 17/34 (2006.01)**
[25] EN
[54] **NEEDLESCOPIC INSTRUMENT WITH REUSABLE HANDLE AND DETACHABLE NEEDLE ASSEMBLY**
[54] **INSTRUMENT DE CHIRURGIE LAPAROSCOPIQUE A L'AIGUILLE AYANT UNE POIGNEE REUTILISABLE ET UN ENSEMBLE AIGUILLE DETACHABLE**
[72] RAVIKUMAR, SUNDARAM, US
[72] RAVIKUMAR, VIKRAM, US
[72] OSBORNE, GUY, US
[73] TELEFLEX MEDICAL INCORPORATED, US
[85] 2015-10-15
[86] 2014-04-16 (PCT/US2014/034397)
[87] (WO2014/172477)
[30] US (61/812,691) 2013-04-16

[11] **2,909,758**
[13] C
[51] **Int.Cl. F24F 7/00 (2006.01) E04B 1/66 (2006.01) E04B 1/70 (2006.01) F23L 17/00 (2006.01) F24F 7/02 (2006.01)**
[25] EN
[54] **METHOD FOR REDUCING STACK EFFECT IN A HOUSE**
[54] **METHODE DE REDUCTION DE L'EFFET CHEMINEE DANS UNE MAISON**
[72] MELANSON, BERNIE, CA
[73] MELANSON, BERNIE, CA
[86] (2909758)
[87] (2909758)
[22] 2015-10-20

[11] **2,910,934**
[13] C
[51] **Int.Cl. H01M 10/42 (2006.01)**
[25] EN
[54] **LARGE ELECTRIC VEHICLE POWER STRUCTURE AND ALTERNATING-HIBERNATION BATTERY MANAGEMENT AND CONTROL METHOD THEREOF**
[54] **STRUCTURE D'ALIMENTATION DE VEHICULE ELECTRIQUE A GRANDE ECHELLE ET METHODE ASSOCIEE DE CONTROLE ET DE GESTION DE BATTERIE EN ALTERNANCE D'HIBERNATION**
[72] YANG, ANTHONY AN-TAO, CN
[72] CHEN, GORDON CHING, CN
[73] ALEES ECO ARK (CAYMAN) CO. LTD., KY
[85] 2015-10-29
[86] 2014-04-30 (PCT/CN2014/076659)
[87] (WO2014/177062)
[30] US (61/817,619) 2013-04-30

[11] **2,911,449**
[13] C
[51] **Int.Cl. A61M 1/00 (2006.01) A61B 5/15 (2006.01) A61B 5/154 (2006.01)**
[25] EN
[54] **MANUAL FLOW REGULATION FOR BLOOD COLLECTION**
[54] **REGULATION MANUELLE DE DEBIT POUR PRELEVEMENT SANGUIN**
[72] CRAWFORD, JAMIESON W., SE
[72] RUSS, CRAIG OWEN, US
[72] WILKINSON, BRADLEY M., US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2015-11-05
[86] 2013-05-15 (PCT/US2013/041156)
[87] (WO2014/185902)

**Brevets canadiens délivrés
26 février 2019**

[11] **2,911,624**
[13] C

[51] **Int.Cl. A01C 7/08 (2006.01) A01C 7/20 (2006.01)**
[25] EN
[54] **AGRICULTURAL PRODUCT APPLICATION IN OVERLAP AREAS**
[54] **APPLICATION DE PRODUIT AGRICOLE DANS LES ZONES EN CHEVAUCHEMENT**
[72] GERVAIS, JOEL, CA
[72] HENRY, JAMES, CA
[73] CNH INDUSTRIAL CANADA, LTD., CA
[86] (2911624)
[87] (2911624)
[22] 2015-11-06
[30] US (14/563,533) 2014-12-08

[11] **2,911,795**
[13] C

[51] **Int.Cl. A61B 17/11 (2006.01) A61B 17/3205 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR ENDOSCOPICALLY CREATING AN ANASTOMOSIS**
[54] **PROCEDES ET DISPOSITIFS DESTINES A CREER UNE ANASTOMOSE DE MANIERE ENDOSCOPIQUE**
[72] GAGNER, MICHEL, CA
[72] SPENCER, DALE A., US
[72] BLAESER, DAVID J., US
[73] BALLAST MEDICAL INC., CA
[86] (2911795)
[87] (2911795)
[22] 2008-12-19
[62] 2,746,083
[30] US (61/016,221) 2007-12-21

[11] **2,912,192**
[13] C

[51] **Int.Cl. E21B 10/42 (2006.01) E21B 10/46 (2006.01)**
[25] EN
[54] **ANODIC BONDING OF THERMALLY STABLE POLYCRYSTALLINE MATERIALS TO SUBSTRATE**
[54] **LIAISON ANODIQUE DE MATERIAUX POLYCRISTALLINS THERMIQUEMENT STABLES AVEC UN SUBSTRAT**
[72] ANDERLE, SETH GARRETT, US
[72] ATKINS, WILLIAM BRIAN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-11-09
[86] 2014-09-11 (PCT/US2014/055047)
[87] (WO2015/038687)
[30] US (61/876,260) 2013-09-11

[11] **2,912,799**
[13] C

[51] **Int.Cl. H01P 5/12 (2006.01)**
[25] EN
[54] **WAVEGUIDE COMBINER APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE MULTIPLEXEUR DE GUIDE D'ONDE**
[72] FAHMI, MOHAMED MOHAMED, CA
[73] NANOWAVE TECHNOLOGIES INC., CA
[85] 2015-11-18
[86] 2014-05-23 (PCT/CA2014/050481)
[87] (WO2014/186900)
[30] US (61/826,699) 2013-05-23

[11] **2,913,868**
[13] C

[51] **Int.Cl. F16F 1/06 (2006.01) B60G 9/04 (2006.01) B60G 11/14 (2006.01) F16F 9/32 (2006.01)**
[25] EN
[54] **SUSPENSION COIL SPRING**
[54] **RESSORT A BOUDIN POUR SUSPENSION**
[72] YAMAMOTOYA, KENJI, IN
[72] ENOMOTO, HIDETO, JP
[72] TAKAHASHI, KEN, JP
[72] SATO, TOSHIAKI, JP
[72] SUGIYAMA, MITSUHIRO, JP
[72] KOBAYASHI, YOSHIO, JP
[72] INAGE, TAICHI, JP
[72] KATO, TOMOTAKE, JP
[72] NISHIKAWA, AKIHIKO, JP
[72] UMEZAWA, MASAHIRO, JP
[72] AYADA, MICHIIHIKO, JP
[72] KAJIGAYA, SUGURU, JP
[73] NHK SPRING CO., LTD., JP
[85] 2015-11-27
[86] 2014-07-01 (PCT/JP2014/067554)
[87] (WO2015/022816)
[30] JP (2013-167654) 2013-08-12

[11] **2,914,408**
[13] C

[51] **Int.Cl. A61F 2/24 (2006.01) A61B 17/064 (2006.01)**
[25] EN
[54] **HEART VALVE REPAIR AND REPLACEMENT**
[54] **REPARATION ET REMPLACEMENT D'UNE VALVULE CARDIAQUE**
[72] ALON, DAVID, IL
[73] ALON, DAVID, IL
[85] 2015-12-03
[86] 2014-06-03 (PCT/IB2014/000949)
[87] (WO2014/195786)
[30] US (61/831,632) 2013-06-06

[11] **2,914,772**
[13] C

[51] **Int.Cl. F16L 55/40 (2006.01) F16L 55/26 (2006.01)**
[25] EN
[54] **PIPE INSPECTION DEVICE**
[54] **DISPOSITIF D'INSPECTION DE TUYAU**
[72] KESSELBERG, JAKOB, SE
[73] VRETMASKIN EL & MEKANIK AB, SE
[85] 2015-12-08
[86] 2013-06-12 (PCT/SE2013/050685)
[87] (WO2014/200398)

**Canadian Patents Issued
February 26, 2019**

[11] **2,915,225**
[13] C

[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/315 (2006.01)**
[25] EN
[54] **MEDICAMENT DELIVERY DEVICE**
[54] **DISPOSITIF DE DISTRIBUTION DE MEDICAMENT**
[72] BOSTROM, ANDERS, SE
[72] GABRIELSSON, ELIN, SE
[73] SHL GROUP AB, SE
[86] (2915225)
[87] (2915225)
[22] 2012-08-28
[62] 2,846,491
[30] SE (1150788-6) 2011-08-31
[30] US (61/529,325) 2011-08-31

[11] **2,915,722**
[13] C

[51] **Int.Cl. E21B 47/008 (2012.01) E21B 43/12 (2006.01)**
[25] EN
[54] **MONITORING A WELL FLOW DEVICE BY FIBER OPTIC SENSING**
[54] **SURVEILLANCE D'UN DISPOSITIF DE PRODUCTION DE Puits PAR DETECTION A FIBRE OPTIQUE**
[72] JAASKELAINEN, MIKKO, US
[72] BARFOOT, DAVID ANDREW, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-12-15
[86] 2013-08-07 (PCT/US2013/053979)
[87] (WO2015/020645)

[11] **2,915,923**
[13] C

[51] **Int.Cl. B60B 7/01 (2006.01) B60C 13/00 (2006.01)**
[25] EN
[54] **A PROTECTOR SHIELD FOR A SIDEWALL OF A MOTOR VEHICLE TIRE, AND A WHEEL ASSEMBLY FOR SUCH A VEHICLE INCORPORATING IT**
[54] **ECRAN PROTECTEUR POUR UNE PAROI LATERALE D'UN PNEU DE VEHICULE A MOTEUR ET ENSEMBLE DE ROUE POUR UN TEL VEHICULE L'INCORPORANT**
[72] SERADARIAN, PASCAL, US
[72] TABONE, CHARLES JOSEPH, US
[72] GEHRIS VOGEL, COLIN, US
[72] FORSTER, ERIC, FR
[72] ROGERS, LARRY K., US
[72] NOBLANC, OLIVIER, US
[72] LE ROSSIGNOL, BENOIT, FR
[73] HUTCHINSON INDUSTRIES, INC., US
[86] (2915923)
[87] (2915923)
[22] 2009-06-18
[62] 2,728,472
[30] US (61/073,897) 2008-06-19

[11] **2,916,228**
[13] C

[51] **Int.Cl. E02D 27/42 (2006.01) E02D 27/08 (2006.01) E04H 12/22 (2006.01) E04H 12/34 (2006.01)**
[25] EN
[54] **PRE-CAST CONCRETE FOUNDATION OF MODULAR CONSTRUCTION FOR TELECOMMUNICATION OR WIND TURBINE TOWER**
[54] **FONDATION DE BETON PREFABRIQUEE D'UNE CONSTRUCTION MODULAIRE DESTINEE A UNE TOUR DE TELECOMMUNICATION OU UNE TOUR D'EOLIENNE**
[72] TOZER, ROBERT, CA
[73] 649119 N.B. INC., CA
[86] (2916228)
[87] (2916228)
[22] 2015-12-23

[11] **2,916,808**
[13] C

[51] **Int.Cl. C12Q 1/70 (2006.01) C40B 30/04 (2006.01)**
[25] EN
[54] **DETECTION OF HIGH GRADE DYSPLASIA IN CERVICAL CELLS**
[54] **DETECTION DE LA DYSPLASIE DE HAUT DEGRE DANS LES CELLULES CERVICALES**
[72] KING, WALTER, US
[72] MORRISON, LARRY E., US
[72] SEELIG, STEVEN A., US
[72] SOKOLOVA, IRINA A., US
[72] ALGECIRAS-SCHIMNICH, ALICIA, US
[73] ABBOTT MOLECULAR INC., US
[86] (2916808)
[87] (2916808)
[22] 2004-06-08
[62] 2,501,792
[30] US (10/457,639) 2003-06-09
[30] US (10/857,859) 2004-06-02

[11] **2,918,755**
[13] C

[51] **Int.Cl. H04W 74/08 (2009.01) H04W 74/00 (2009.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR MULTIPLE USER UPLINK**
[54] **PROCEDES ET APPAREIL POUR UNE LIAISON MONTANTE A PLUSIEURS UTILISATEURS**
[72] MERLIN, SIMONE, US
[72] BARRIAC, GWENDOLYN DENISE, US
[72] SAMPATH, HEMANTH, US
[72] VERMANI, SAMEER, US
[73] QUALCOMM INCORPORATED, US
[85] 2016-01-19
[86] 2014-08-27 (PCT/US2014/052825)
[87] (WO2015/031431)
[30] US (61/871,269) 2013-08-28
[30] US (14/469,175) 2014-08-26

**Brevets canadiens délivrés
26 février 2019**

[11] **2,918,984**
[13] C

[51] **Int.Cl. H01H 35/18 (2006.01) F16K 25/00 (2006.01) H01H 35/40 (2006.01)**

[25] EN

[54] **LOW WATER CUTOFF SWITCH**

[54] **INTERRUPTEUR DE COUPURE DE FAIBLE NIVEAU D'EAU**

[72] KARIA, NIMESH PRATAPBHAI, US

[72] MUKKAWAR, GIRISH SUBHASH, US

[72] AGRAWAL, BIRDHILAL NAVALKISHOR, IN

[72] MEGHPARA, KANTILAL BRIJESHKUMAR, US

[73] FLUID HANDLING LLC, US

[85] 2016-01-21

[86] 2014-08-06 (PCT/US2014/049911)

[87] (WO2015/021131)

[30] US (61/862,634) 2013-08-06

[11] **2,919,014**
[13] C

[51] **Int.Cl. G09F 3/10 (2006.01) G09F 3/02 (2006.01)**

[25] EN

[54] **PACKAGING CUE SYSTEM FOR CONSUMER PRODUCTS**

[54] **SYSTEME DE SIGNAL D'EMBALLAGE POUR DES PRODUITS DE CLIENT**

[72] WEINTRAUB, GARY D., US

[72] TEMPLETON, LYNN, US

[73] S.C. JOHNSON & SON, INC., US

[85] 2016-01-21

[86] 2014-07-23 (PCT/US2014/047848)

[87] (WO2015/013424)

[30] US (61/859,104) 2013-07-26

[30] US (14/305,867) 2014-06-16

[11] **2,919,319**
[13] C

[51] **Int.Cl. C08F 2/32 (2006.01) C08F 20/56 (2006.01)**

[25] EN

[54] **REVERSE-PHASE POLYMERISATION PROCESS**

[54] **PROCEDE DE POLYMERISATION EN PHASE INVERSE**

[72] HESSE, PASCAL, DE

[72] JELICIC, ALEKSANDRA, DE

[72] FONSECA ZEPEDA, GABRIELA EUGENIA, DE

[72] HASCHICK, ROBERT, DE

[72] KEELAPANDAL RAMAMOORTHY, SHANKARA NARAYANAN, DE

[72] NAYLOR, GARETH IAN, GB

[72] BARRATT, JOHN SCOTT, GB

[72] SOETJE, OLIVER, DE

[72] LIEVRE, MARCEL, DE

[72] RAINAU, FLORIAN, DE

[72] LEBKUCHER, MARK, DE

[73] BASF SE, DE

[85] 2016-01-25

[86] 2014-07-29 (PCT/EP2014/066252)

[87] (WO2015/014825)

[30] EP (13178694.9) 2013-07-31

[11] **2,919,320**
[13] C

[51] **Int.Cl. C08F 2/32 (2006.01) C08F 20/56 (2006.01)**

[25] EN

[54] **REVERSE-PHASE POLYMERISATION PROCESS**

[54] **PROCEDE DE POLYMERISATION EN SUSPENSION EN PHASE INVERSE**

[72] HASCHICK, ROBERT, DE

[72] JELICIC, ALEKSANDRA, DE

[72] BARRATT, JOHN SCOTT, GB

[72] HESSE, PASCAL, DE

[72] SOETJE, OLIVER, DE

[72] FONSECA ZEPEDA, GABRIELA EUGENIA, DE

[72] KEELAPANDAL RAMAMOORTHY, SHANKARA NARAYANAN, DE

[72] LANGLOTZ, BJORN, DE

[73] BASF SE, DE

[85] 2016-01-25

[86] 2014-07-29 (PCT/EP2014/066255)

[87] (WO2015/014826)

[30] EP (13178685.7) 2013-07-31

[11] **2,919,522**
[13] C

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 31/5377 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **FORMULATION OF SYK INHIBITORS**

[54] **FORMULATION D'INHIBITEURS DE SYK**

[72] LI, BEI, US

[72] SPERGER, DIANA, US

[72] STEFANIDIS, DIMITRIOS, US

[72] CASTEEL, MELISSA JEAN, US

[72] PAKDAMAN, ROWCHANAK, US

[73] GILEAD CONNECTICUT, INC., US

[85] 2016-01-26

[86] 2014-07-29 (PCT/US2014/048741)

[87] (WO2015/017466)

[30] US (61/860,198) 2013-07-30

[11] **2,919,649**
[13] C

[51] **Int.Cl. E21B 7/18 (2006.01) E21B 7/04 (2006.01) E21B 7/08 (2006.01)**

[25] EN

[54] **DOWNHOLE HYDRAULIC JETTING ASSEMBLY**

[54] **MECANISME DE LANCAGE DE JETS HYDRAULIQUES EN FOND DE TROU**

[72] RANDALL, BRUCE L., US

[73] COILED TUBING SPECIALTIES, LLC, US

[86] (2919649)

[87] (2919649)

[22] 2016-02-02

[30] US (62/198,575) 2015-07-29

[30] US (62/120,212) 2015-02-24

[30] US (15/009,572) 2016-01-28

**Canadian Patents Issued
February 26, 2019**

[11] **2,919,802**
[13] C

[51] **Int.Cl. F21K 9/27 (2016.01) F21K 9/272 (2016.01) F21K 9/275 (2016.01) F21V 13/04 (2006.01) F21V 15/01 (2006.01)**

[25] EN

[54] **EASY INSTALL LIGHT ENGINE RETROFIT KIT AND METHOD FOR USING SAME**

[54] **NECESSAIRE DE MISE A NIVEAU DE MOTEUR LUMIERE FACILE A INSTALLER ET METHODE D'UTILISATION DUDIT NECESSAIRE**

[72] MCCANE, STEPHEN BARRY, US

[73] ABL IP HOLDING LLC, US

[86] (2919802)

[87] (2919802)

[22] 2016-02-03

[30] US (62/112017) 2015-02-04

[11] **2,919,900**
[13] C

[51] **Int.Cl. E05B 1/00 (2006.01) E05B 9/00 (2006.01)**

[25] EN

[54] **EXIT DEVICE MOUNT WITH CLOSED TERMINATION**

[54] **INSTALLATION DE DISPOSITIF DE SORTIE AYANT UNE EXTREMITE FERMEE**

[72] HARRIS, THOMAS, US

[72] EVELAND, DAVID, US

[72] KELLY, JOHN F., III, US

[73] ASSA ABLOY INC., US

[86] (2919900)

[87] (2919900)

[22] 2016-02-04

[30] US (14/679,078) 2015-04-06

[11] **2,920,783**
[13] C

[51] **Int.Cl. C04B 28/12 (2006.01) C04B 22/16 (2006.01) C04B 40/06 (2006.01) C09K 8/467 (2006.01) E21B 33/138 (2006.01)**

[25] EN

[54] **CEMENT SET ACTIVATORS FOR SET-DELAYED CEMENT COMPOSITIONS AND ASSOCIATED METHODS**

[54] **ACTIVATEURS DE PRISE DE CIMENT POUR COMPOSITIONS DE CIMENT A PRISE RETARDEE ET PROCEDES ASSOCIES**

[72] BOUL, PETER JAMES, US

[72] PISKLAK, THOMAS JASON, US

[72] LEWIS, SAMUEL J., US

[72] AGAPIOU, KYRIACOS, US

[72] BROTHERS, LANCE EVERETT, US

[72] OTIENO, PAULINE AKINYI, US

[72] MORGAN, RONNIE GLEN, US

[72] ADAMS, BAYA, US

[72] HARRIS, CODY GLENN, US

[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2016-02-08

[86] 2014-09-08 (PCT/US2014/054497)

[87] (WO2015/035281)

[30] US (61/875,233) 2013-09-09

[30] US (14/090,494) 2013-11-26

[11] **2,921,033**
[13] C

[51] **Int.Cl. G05B 17/02 (2006.01) B25J 9/18 (2006.01) G05D 7/06 (2006.01)**

[25] EN

[54] **SYSTEM ARCHITECTURE FOR CONTROL SYSTEMS VIA KNOWLEDGE LAYOUT SEARCH**

[54] **ARCHITECTURE DE SYSTEME DESTINEE A DES SYSTEMES DE CONTROLE AU MOYEN DE RECHERCHE DE REPRESENTATION DE CONNAISSANCE**

[72] MARKEY, NIGEL ROBERT, GB

[72] GOMADAM, KARTHIK, US

[72] TUNG, TERESA SHEAUSAN, US

[72] DUGGAN, DESMOND, US

[72] ENEMARK, ALLAN, US

[72] TANEJA, KUNAL, US

[73] ACCENTURE GLOBAL SERVICES LIMITED, IE

[86] (2921033)

[87] (2921033)

[22] 2016-02-16

[30] US (14/695,409) 2015-04-24

[11] **2,921,718**
[13] C

[51] **Int.Cl. G06Q 20/32 (2012.01) G06Q 20/34 (2012.01) G07F 7/08 (2006.01)**

[25] EN

[54] **FACILITATING SECURE TRANSACTIONS USING A CONTACTLESS INTERFACE**

[54] **FACILITATION DE TRANSACTIONS SECURISEES EN UTILISANT UNE INTERFACE SANS CONTACT**

[72] RAINA, SUNIL, US

[72] SOMANI, AVISHEK, CA

[72] JENNINGS, MICHAEL, US

[73] ACCENTURE GLOBAL SERVICES LIMITED, IE

[85] 2016-02-17

[86] 2014-10-21 (PCT/US2014/061629)

[87] (WO2015/061354)

[30] US (61/894,387) 2013-10-22

[11] **2,921,779**
[13] C

[51] **Int.Cl. E21B 47/10 (2012.01) E21B 47/13 (2012.01) E21B 47/01 (2012.01)**

[25] EN

[54] **APPARATUS AND METHODS FOR DETERMINING SURFACE WETTING OF MATERIAL UNDER SUBTERRANEAN WELLBORE CONDITIONS**

[54] **APPAREIL ET METHODE DE DETERMINATION DE L'HUMIDITE DE SURFACE DE MATERIAU DANS DES CONDITIONS DE Puits DE FORAGE SOUTERRAINS**

[72] PALLA, VENKATA GOPALA RAO, IN

[72] GAJJI, BHARGAV, IN

[72] BARDAPURKAR, SAMEER, IN

[72] PINDIPROLU, SAIRAM K.S., IN

[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2016-02-18

[86] 2013-09-26 (PCT/US2013/062035)

[87] (WO2015/047282)

**Brevets canadiens délivrés
26 février 2019**

[11] **2,921,920**
[13] C

[51] **Int.Cl. B65D 77/06 (2006.01) B65D 30/08 (2006.01) B65D 65/40 (2006.01)**

[25] EN

[54] **FILM FOR FLEXIBLE PACKAGING FOR USE IN BAG IN BOX PACKAGING AND BAGS MADE THEREFROM**

[54] **FILM POUR EMBALLAGE SOUPLE DESTINE A ETRE UTILISE DANS UN EMBALLAGE EN BOITE ET SACHETS FABRIQUES A PARTIR DUDIT FILM**

[72] BELLMORE, DAVID, US
[72] BERGER, KAREN, US
[73] SCHOLLE CORPORATION, US
[85] 2016-02-19
[86] 2014-08-18 (PCT/US2014/051421)
[87] (WO2015/026694)
[30] US (13/969,695) 2013-08-19

[11] **2,922,030**
[13] C

[51] **Int.Cl. B05B 1/04 (2006.01) B08B 3/02 (2006.01)**

[25] EN

[54] **FLAT JET NOZZLE, AND USE OF A FLAT JET NOZZLE**

[54] **BUSE A JET PLAT ET UTILISATION D'UNE BUSE A JET PLAT**

[72] HUBER, TOBIAS, DE
[73] LECHLER GMBH, DE
[86] (2922030)
[87] (2922030)
[22] 2016-02-25
[30] DE (10 2015 204 664.8) 2015-03-16

[11] **2,923,470**
[13] C

[51] **Int.Cl. A23N 15/06 (2006.01) A23N 15/02 (2006.01)**

[25] EN

[54] **DEVICE FOR SEPARATING STALKS OF FRUITS GROUPED IN BUNCHES AND METHOD FOR SEPARATING STALKS OF FRUITS GROUPED IN BUNCHES**

[54] **DISPOSITIF DE SEPARATION DE FRUITS SUR TIGES GROUPEES EN LOTS ET METHODE DE SEPARATION DE FRUITS SUR TIGES GROUPEES EN LOTS**

[72] BLANC, CHRISTOPHE, ES
[73] RODA IBERICA, S.L., ES
[86] (2923470)
[87] (2923470)
[22] 2016-03-10
[30] ES (P201530299) 2015-03-10

[11] **2,924,999**
[13] C

[51] **Int.Cl. B65D 5/00 (2006.01) B65D 5/02 (2006.01) B65D 5/50 (2006.01) B65D 85/60 (2006.01)**

[25] EN

[54] **PACKAGING**

[54] **EMBALLAGE**

[72] SELLERS, JULIAN, GB
[72] WETTON, AMY, GB
[72] HORSKY, GIL, CH
[72] MONAGHAN, ROBERT, GB
[72] TURNOCK, RICHARD, GB
[72] RUDDOCK, EDWIN, GB
[73] MONDELEZ UK R&D LIMITED, GB
[85] 2016-03-22
[86] 2014-11-24 (PCT/GB2014/053459)
[87] (WO2015/082876)
[30] GB (1321571.0) 2013-12-06

[11] **2,925,150**
[13] C

[51] **Int.Cl. B65D 5/18 (2006.01) B65D 5/42 (2006.01)**

[25] EN

[54] **CARTON AND CARTON BLANK**

[54] **CARTON ET DECOUPE DE CARTON**

[72] PSALIDAS, MARIA, AU
[72] LOFTIN, CALEB S., US
[73] MEADWESTVACO PACKAGING SYSTEMS, LLC, US
[86] (2925150)
[87] (2925150)
[22] 2012-02-10
[62] 2,825,402
[30] US (61/442,144) 2011-02-11

[11] **2,925,166**
[13] C

[51] **Int.Cl. E21B 17/042 (2006.01) E21B 17/02 (2006.01)**

[25] EN

[54] **DRILL STRING COMPONENTS RESISTANT TO JAMMING**

[54] **COMPOSANTS DE TRAIN DE TIGES RESISTANT AU CALAGE**

[72] DRENTH, CHRISTOPHER L., US
[72] LITTLELY, KEITH WILLIAM, AU
[73] BLY IP INC., US
[86] (2925166)
[87] (2925166)
[22] 2012-01-20
[62] 2,825,533
[30] US (61/436,331) 2011-01-26
[30] US (13/354,189) 2012-01-19

[11] **2,925,366**
[13] C

[51] **Int.Cl. G06F 13/40 (2006.01)**

[25] EN

[54] **SUPERVISION OF I2S DIGITAL AUDIO BUS**

[54] **SUPERVISION D'UN BUS AUDIO NUMERIQUE I2S**

[72] AYZENSHTAT, LEONID, US
[73] SIEMENS SCHWEIZ AG, CH
[85] 2016-03-24
[86] 2014-03-27 (PCT/EP2014/056234)
[87] (WO2015/043773)
[30] US (14/041,267) 2013-09-30

[11] **2,925,813**
[13] C

[51] **Int.Cl. C08L 23/08 (2006.01) C08K 5/00 (2006.01) C08L 93/04 (2006.01) C09J 193/04 (2006.01)**

[25] EN

[54] **COMPOSITIONS CONTAINING ETHYLENE POLYMERS**

[54] **COMPOSITIONS CONTENANT DES POLYMERES D'ETHYLENE**

[72] LANGE, JOSEPHUS HUBERTUS MARIA, NL
[72] SCHAAPMAN, MARK C., NL
[72] KELDERMAN, ERIK, NL
[73] KRATON CHEMICAL, LLC, US
[85] 2016-03-29
[86] 2014-09-26 (PCT/US2014/057641)
[87] (WO2015/048402)
[30] US (61/883,803) 2013-09-27

**Canadian Patents Issued
February 26, 2019**

[11] **2,926,053**
[13] C

[51] **Int.Cl. F03B 17/06 (2006.01) F03B 13/10 (2006.01) H02K 7/18 (2006.01)**
[25] EN
[54] **IN-PIPE TURBINE AND HYDRO-ELECTRIC POWER GENERATION SYSTEM**
[54] **TURBINE MONTEE DANS UNE CANALISATION ET SYSTEME DE GENERATION D'ENERGIE HYDROELECTRIQUE**
[72] BHENDE, UDAY YESHWANT, IN
[72] JOSHI, SANJAY PRAKASH, IN
[72] ADKAR, PRASHANT RAMAKANT, IN
[72] MARATHE, PRANAV SHAM, IN
[72] JOSHI, ASHWIN SHARAD, IN
[72] GANU, SHIRISH MADHAV, IN
[73] KIRLOSKAR ENERGEN PRIVATE LIMITED, IN
[85] 2016-03-31
[86] 2014-09-29 (PCT/IN2014/000626)
[87] (WO2015/052725)
[30] IN (2004/MUM/2012) 2013-10-10
[30] IN (1630/MUM/2014) 2014-05-13

[11] **2,926,579**
[13] C

[51] **Int.Cl. H04L 12/22 (2006.01) H04L 9/00 (2006.01) H04L 12/24 (2006.01)**
[25] EN
[54] **EVENT CORRELATION ACROSS HETEROGENEOUS OPERATIONS**
[54] **CORRELATION D'EVENEMENTS FONDEE SUR DES OPERATIONS HETEROGENES**
[72] HASSANZADEH, AMIN, US
[72] MODI, SHIMON, US
[72] MULCHANDANI, SHAAN, US
[72] NEGM, WALID, US
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
[86] (2926579)
[87] (2926579)
[22] 2016-04-08
[30] US (62/145,248) 2015-04-09
[30] US (14/841,287) 2015-08-31

[11] **2,927,817**
[13] C

[51] **Int.Cl. C07K 19/00 (2006.01) C12N 5/0783 (2010.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 14/00 (2006.01) C07K 14/82 (2006.01)**
[25] EN
[54] **NOVEL PEPTIDE HAVING 4 LINKED CTL EPITOPES**
[54] **NOUVEAU PEPTIDE A QUATRE EPITOPES CTL**
[72] FUKAYA, SATOSHI, JP
[72] OSADA, TOSHIHIRO, JP
[72] WADA, HIROSHI, JP
[73] TAIHO PHARMACEUTICAL CO., LTD., JP
[85] 2016-04-18
[86] 2014-10-20 (PCT/JP2014/077807)
[87] (WO2015/060235)
[30] JP (2013-218524) 2013-10-21
[30] JP (2014-155132) 2014-07-30

[11] **2,928,240**
[13] C

[51] **Int.Cl. E04C 2/12 (2006.01) E04C 2/34 (2006.01)**
[25] EN
[54] **CORE LAYER HAVING WOOD ELEMENTS, IN PARTICULAR WOOD ELEMENTS HAVING A CORRUGATED STRUCTURE**
[54] **COUCHE CENTRALE COMPORTANT DES ELEMENTS EN BOIS, NOTAMMENT DES ELEMENTS EN BOIS A STRUCTURE ONDULEE**
[72] ECKSTEIN, THOMAS, DE
[72] MOELLER, ACHIM, DE
[72] DANZER, HANS-JOACHIM, CH
[73] WOOD INNOVATIONS LTD., LI
[85] 2016-04-22
[86] 2014-11-05 (PCT/EP2014/002965)
[87] (WO2015/067362)
[30] EP (13 005 226.9) 2013-11-06

[11] **2,928,787**
[13] C

[51] **Int.Cl. H01L 23/40 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **PRESSURE STRUCTURE AND PRESSURE UNIT**
[54] **STRUCTURE DE PRESSAGE ET UNITE DE PRESSAGE**
[72] TAJIMA, NORIHIRO, JP
[72] TERADA, YUSUKE, JP
[72] KAWAI, YOSUKE, JP
[73] NHK SPRING CO., LTD., JP
[85] 2016-04-26
[86] 2014-10-28 (PCT/JP2014/078631)
[87] (WO2015/064572)
[30] JP (2013-223681) 2013-10-28

[11] **2,928,872**
[13] C

[51] **Int.Cl. F16L 37/091 (2006.01) F16L 37/00 (2006.01)**
[25] EN
[54] **SELF-LOCKING PUSH-TO-CONNECT INSERT**
[54] **INSERT AUTOBLOQUANT INSTANTANE**
[72] BOBO, DAVID, US
[72] LAFORTUNE, JAMES, US
[72] OLDSSEN, DEREK, US
[72] FRISCHE-MOURI, PAUL, US
[72] KELSEY, ROBERT B., US
[72] RINKENBERG, KEN, US
[73] NIBCO INC., US
[85] 2016-04-26
[86] 2014-12-10 (PCT/US2014/069544)
[87] (WO2015/089184)
[30] US (61/914,533) 2013-12-11
[30] US (14/564,293) 2014-12-09

[11] **2,930,064**
[13] C

[51] **Int.Cl. G02C 9/04 (2006.01) G02C 7/08 (2006.01)**
[25] EN
[54] **EYEGLASS SYSTEM AND METHOD OF ENGAGEMENT**
[54] **SYSTEME DE LUNETTE ET PROCEDE D'ENGAGEMENT**
[72] RATTELADE, BENOIT M., CA
[73] RATTELADE, BENOIT M., CA
[85] 2016-03-17
[86] 2014-09-16 (PCT/CA2014/050883)
[87] (WO2015/039236)
[30] US (14/030,382) 2013-09-18

**Brevets canadiens délivrés
26 février 2019**

[11] **2,930,245**
[13] C

[51] **Int.Cl. B01D 45/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR SEPARATING PARTICLES AND METHODS FOR USING SAME**
[54] **APPAREIL DE SEPARATION DE PARTICULES ET SES PROCÉDES D'UTILISATION**
[72] YOUNG, CHRISTOPHER MICHAEL, US
[72] EROGLU, HASAN, US
[72] MCKIBBEN, JOHN FERNEY, US
[72] BARNHOLTZ, STEVEN LEE, US
[73] THE PROCTER & GAMBLE COMPANY, US
[86] (2930245)
[87] (2930245)
[22] 2011-06-07
[62] 2,802,158
[30] US (61/352,989) 2010-06-09

[11] **2,930,309**
[13] C

[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/24 (2006.01) A61B 17/26 (2006.01) A61B 17/295 (2006.01) A61B 17/32 (2006.01) A61B 17/3205 (2006.01)**
[25] EN
[54] **SURGICAL INSTRUMENTS AND METHODS FOR PERFORMING TONSILLECTOMY, ADENOIDECTOMY, AND OTHER SURGICAL PROCEDURES**
[54] **INSTRUMENTS CHIRURGICAUX ET METHODES D'EXECUTION D'AMYGDALECTOMIE, D'ADENOIDECTOMIE ET D'AUTRES INTERVENTIONS CHIRURGICALES**
[72] KRASTINS, CRAIG V., US
[72] ALLEN, JAMES D., IV, US
[72] OLSON, JESSICA E.C., US
[72] WEIHE, JASON G., US
[73] COVIDIEN LP, US
[86] (2930309)
[87] (2930309)
[22] 2016-05-18
[30] US (14/719,422) 2015-05-22
[30] US (14/719,434) 2015-05-22
[30] US (14/719,452) 2015-05-22
[30] US (14/719,464) 2015-05-22
[30] US (14/719,475) 2015-05-22

[11] **2,930,336**
[13] C

[51] **Int.Cl. H04N 19/30 (2014.01) H04N 19/34 (2014.01) H04N 19/44 (2014.01) H04N 19/597 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **METHODS FOR CODING AN INTER-LAYER REFERENCE PICTURE SET (RPS) AND CODING END OF BITSTREAM (EOB) NETWORK ACCESS LAYER (NAL) UNITS IN MULTI-LAYER CODING**
[54] **PROCEDES DE CODAGE D'UN ENSEMBLE D'IMAGES DE REFERENCE (RPS) INTER-COUCHE ET DE CODAGE D'UNITES DE COUCHE D'ACCES AU RESEAU (NAL) DE FIN DE FLUX BINAIRE (EOB) DANS UN CODAGE MULTI-COUCHE**
[72] RAMASUBRAMONIAN, ADARSH KRISHNAN, US
[72] HENDRY, FNU, US
[72] WANG, YE-KUI, US
[73] QUALCOMM INCORPORATED, US
[85] 2016-05-10
[86] 2014-12-30 (PCT/US2014/072717)
[87] (WO2015/103242)
[30] US (61/923,607) 2014-01-03
[30] US (14/584,994) 2014-12-29

[11] **2,930,399**
[13] C

[51] **Int.Cl. E21B 47/092 (2012.01) E21B 47/10 (2012.01) E21B 47/18 (2012.01)**
[25] EN
[54] **RANGING USING CURRENT PROFILING**
[54] **MESURE DE DISTANCE FAISANT INTERVENIR L'ETABLISSEMENT DE PROFILS DE COURANT**
[72] DONDERICI, BURKAY, US
[72] WU, HSU-HSIANG, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-05-11
[86] 2013-12-30 (PCT/US2013/078309)
[87] (WO2015/102578)

[11] **2,930,939**
[13] C

[51] **Int.Cl. B60N 2/28 (2006.01) A47D 1/00 (2006.01) A47D 13/08 (2006.01)**
[25] EN
[54] **CHILD SAFETY SEAT AND SUPPORT BASE THEREOF**
[54] **SIEGE DE SECURITE POUR ENFANT ET BASE DE SOUTIEN ASSOCIEE**
[72] MASON, KYLE S., US
[72] HANSEL, COLIN P., US
[72] RUGGIERO, ANTHONY V., US
[73] WONDERLAND NURSERYGOODS COMPANY LIMITED, HK
[86] (2930939)
[87] (2930939)
[22] 2016-05-24
[30] US (62/166,782) 2015-05-27

[11] **2,931,501**
[13] C

[51] **Int.Cl. H04L 29/08 (2006.01) H04L 29/12 (2006.01)**
[25] EN
[54] **APPARATUS FOR PROCESSING AT LEAST ONE PDU (PROTOCOL DATA UNIT) IN A BROADCAST SYSTEM, METHOD FOR PROCESSING AT LEAST ONE PDU (PROTOCOL DATA UNIT) IN A BROADCAST SYSTEM**
[54] **APPAREIL ET PROCÉDE POUR LE TRAITEMENT D'AU MOINS UNE PDU (UNITE DE DONNEES DE PROTOCOLE) DANS UN SYSTEME 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
[85] 2016-05-24
[86] 2014-12-03 (PCT/KR2014/011753)
[87] (WO2015/084045)
[30] US (61/910,962) 2013-12-03

**Canadian Patents Issued
February 26, 2019**

[11] **2,931,729**
[13] C

[51] **Int.Cl. A01B 73/02 (2006.01) B60B 33/00 (2006.01)**
[25] EN
[54] **IMPLEMENT WING CASTER WHEEL FOR TRANSPORT**
[54] **ACCESSOIRE DE ROUE PIVOTANTE DE TRANSPORT D'AILE**
[72] HOFMANN, TODD, CA
[72] COLISTRO, VINCENT, CA
[73] SCHULTE INDUSTRIES LTD., CA
[86] (2931729)
[87] (2931729)
[22] 2016-06-01

[11] **2,932,067**
[13] C

[51] **Int.Cl. A01N 63/00 (2006.01) A01P 21/00 (2006.01) C05F 11/08 (2006.01) C05G 3/00 (2006.01) C09K 17/00 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **AGRICULTURAL MICROBIAL INOCULANT COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS INOCULANTES MICROBIENNES DESTINEES A L'AGRICULTURE ET UTILISATIONS ASSOCIEES**
[72] BOBECK, DREW R., US
[72] PEARCE, CEDRIC J., US
[73] KOCH AGRONOMIC SERVICES, LLC, US
[86] (2932067)
[87] (2932067)
[22] 2016-06-02
[30] US (62/169,942) 2015-06-02

[11] **2,932,094**
[13] C

[51] **Int.Cl. H02K 1/06 (2006.01) H02K 1/16 (2006.01) H02K 1/17 (2006.01) H02K 1/26 (2006.01) H02K 1/27 (2006.01)**
[25] EN
[54] **DIRECT CURRENT MACHINE**
[54] **MACHINE A COURANT CONTINU**
[72] BITZER, PAUL-GERHARD, DE
[72] KAUFFMANN, HARALD, DE
[73] ALBER GMBH, DE
[86] (2932094)
[87] (2932094)
[22] 2016-06-03
[30] DE (10 2015 110 127.0) 2015-06-24

[11] **2,933,167**
[13] C

[51] **Int.Cl. G06F 3/14 (2006.01) G06F 3/0481 (2013.01) G09G 3/20 (2006.01) H04N 21/414 (2011.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ADJUSTING PRESENTATION OF TEXT, IMAGES AND MOVING IMAGES ON AN ELECTRONIC DEVICE ACCORDING TO AN ORIENTATION OF THE DEVICE**
[54] **SYSTEME ET METHODE DE REGLAGE DE LA PRESENTATION DE TEXTES, D'IMAGES ET D'IMAGES MOBILES SUR UN DISPOSITIF ELECTRONIQUE SELON L'ORIENTATION DE CE DISPOSITIF**
[72] GRIFFIN, JASON, CA
[73] BLACKBERRY LIMITED, CA
[86] (2933167)
[87] (2933167)
[22] 2007-08-01
[62] 2,595,718
[30] EP (06118308.3) 2006-08-02

[11] **2,933,439**
[13] C

[51] **Int.Cl. F42B 1/028 (2006.01) E21B 43/117 (2006.01) F42B 1/02 (2006.01)**
[25] EN
[54] **LOW ANGLE BOTTOM CIRCULATOR SHAPED CHARGE**
[54] **CHARGE A EFFET DIRIGE A CIRCULATEUR DE FOND A ANGLE FAIBLE**
[72] WILSON, SHANE M., US
[73] HUNTING TITAN, INC., US
[85] 2016-06-09
[86] 2015-05-29 (PCT/US2015/033280)
[87] (WO2015/184323)
[30] US (62/005,356) 2014-05-30

[11] **2,933,468**
[13] C

[51] **Int.Cl. E21B 47/26 (2012.01) G01V 9/00 (2006.01)**
[25] EN
[54] **REAL-TIME ANALYSIS OF WELLSITE INVENTORY ACTIVITY**
[54] **ANALYSE EN TEMPS REEL DE L'ACTIVITE D'INVENTAIRE SUR UN SITE DE FORAGE**
[72] MOORE, JAMES WILSON, US
[72] HOLTZ, STEPHEN ROBERT, US
[72] MCMILLON, ROD, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-06-10
[86] 2014-03-14 (PCT/US2014/027429)
[87] (WO2015/137963)

[11] **2,933,882**
[13] C

[51] **Int.Cl. H01B 17/58 (2006.01) H01B 7/18 (2006.01) H01B 17/34 (2006.01)**
[25] EN
[54] **HIGH-VOLTAGE INSULATOR**
[54] **ISOLANT HAUTE TENSION**
[72] JUNTERMANN, PAUL, DE
[72] LANGENS, ACHIM, DE
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[86] (2933882)
[87] (2933882)
[22] 2016-06-23
[30] DE (102015211939.4) 2015-06-26

**Brevets canadiens délivrés
26 février 2019**

[11] **2,934,058**
[13] C

[51] **Int.Cl. G06F 21/57 (2013.01) G06F 21/44 (2013.01) G06F 9/445 (2018.01) G07C 9/00 (2006.01)**

[25] EN

[54] **METHOD FOR THE CONFIGURATION OF ELECTRONIC DEVICES, IN PARTICULAR FOR THE CONFIGURATION OF COMPONENTS OF AN ACCESS CONTROL SYSTEM**

[54] **METHODE DE CONFIGURATION DE DISPOSITIFS ELECTRONIQUES, NOTAMMENT EN VUE DE LA CONFIGURATION DE COMPOSANTES D'UN SYSTEME DE CONTROLE D'ACCES**

[72] KEYSER, YORK, AT

[73] SKIDATA AG, AT

[86] (2934058)

[87] (2934058)

[22] 2016-06-27

[30] EP (15174548.6) 2015-06-30

[11] **2,935,101**
[13] C

[51] **Int.Cl. G01N 33/543 (2006.01) B82Y 5/00 (2011.01) B82Y 40/00 (2011.01)**

[25] EN

[54] **BIOLOGICAL SENSOR AND METHOD FOR PRODUCING SAME**

[54] **CAPTEUR BIOLOGIQUE ET PROCEDE DE CREATION D'UN CAPTEUR BIOLOGIQUE**

[72] ARSENIN, ALEXEY VLADIMIROVICH, RU

[72] STEBUNOV, YURY VIKTOROVICH, RU

[73] MOSCOW INSTITUTE OF PHYSICS AND TECHNOLOGY (STATE UNIVERSITY), RU

[85] 2016-06-23

[86] 2013-12-09 (PCT/RU2013/001100)

[87] (WO2014/129933)

[30] RU (2013107267) 2013-02-20

[11] **2,936,732**
[13] C

[51] **Int.Cl. H04L 12/24 (2006.01) G06Q 10/06 (2012.01) H04L 12/28 (2006.01)**

[25] EN

[54] **SYSTEM FOR DEVELOPMENT OF IOT SYSTEM ARCHITECTURE**

[54] **SYSTEME DE DEVELOPPEMENT D'UNE ARCHITECTURE SYSTEME IOT**

[72] KAULGUD, VIKRANT S., IN

[72] BHOLA, ADITYA, IN

[72] SUBRAMANIAN, VENKATESH, IN

[72] BASHA NURE, SUBANI, IN

[72] SHARMA, VIBHU SAUJANYA, IN

[73] ACCENTURE GLOBAL SERVICES LIMITED, IE

[86] (2936732)

[87] (2936732)

[22] 2016-07-21

[30] IN (3823/CHE/2015) 2015-07-24

[30] US (15/209,324) 2016-07-13

[11] **2,936,733**
[13] C

[51] **Int.Cl. C21D 9/46 (2006.01) C22C 38/00 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/12 (2006.01) C22C 38/18 (2006.01) C22C 38/20 (2006.01) C22C 38/22 (2006.01) C22C 38/24 (2006.01) C22C 38/32 (2006.01) C22C 38/40 (2006.01)**

[25] EN

[54] **HIGH-STRENGTH FLAT STEEL PRODUCT HAVING A BAINITIC-MARTENSITIC MICROSTRUCTURE AND METHOD FOR PRODUCING SUCH A FLAT STEEL PRODUCT**

[54] **PRODUIT EN ACIER PLAT DE RESISTANCE ELEVEE AYANT UNE TEXTURE A BASE DE BAINITE ET DE MARTENSITE ET PROCEDE DE FABRICATION D'UN TEL PRODUIT EN ACIER PLAT**

[72] KERN, ANDREAS, DE

[72] SCHAFFNIT, ELENA, DE

[72] TSCHERSICH, HANS-JOACHIM, DE

[73] THYSSENKRUPP STEEL EUROPE AG, DE

[85] 2016-07-13

[86] 2015-02-03 (PCT/EP2015/052135)

[87] (WO2015/117934)

[30] EP (14154354.6) 2014-02-07

[11] **2,937,077**
[13] C

[51] **Int.Cl. C12P 19/04 (2006.01) C08H 8/00 (2010.01) C08B 37/00 (2006.01) D21C 5/00 (2006.01)**

[25] EN

[54] **PROCESS FOR FRACTIONATION OF OLIGOSACCHARIDES FROM AGRI-WASTE**

[54] **PROCEDE DE FRACTIONNEMENT D'OLIGOSACCHARIDES A PARTIR DE DECHETS D'ORIGINE AGRICOLE**

[72] LALI, ARVIND MALLINATH, IN

[72] ODANETH, ANNAMMA ANIL, IN

[72] PEDNEKAR, MUKESH PRABHAKAR, IN

[73] LALI, ARVIND MALLINATH, IN

[85] 2016-07-15

[86] 2015-01-16 (PCT/IB2015/000030)

[87] (WO2015/107413)

[30] IN (155/MUM/2014) 2014-01-16

[11] **2,937,095**
[13] C

[51] **Int.Cl. E21B 19/06 (2006.01)**

[25] EN

[54] **APPARATUS FOR GRIPPING A TUBULAR ON A DRILLING RIG**

[54] **DISPOSITIF DE PREHENSION DE TUBULAIRE SUR UN APPAREIL DE FORAGE**

[72] ODELL, ALBERT C., II, US

[72] GIROUX, RICHARD LEE, US

[72] LE, TUONG THANH, US

[72] THOMPSON, GARY, US

[72] HEIDECKE, KARSTEN, US

[72] LORENZ, JOERG, DE

[72] BOUTWELL, DOYLE FREDERIC, JR., US

[72] HAYES, MICHAEL, US

[72] PIETRAS, BERND-GEORG, DE

[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC., US

[86] (2937095)

[87] (2937095)

[22] 2006-12-12

[62] 2,768,010

[30] US (60/749,451) 2005-12-12

**Canadian Patents Issued
February 26, 2019**

[11] **2,937,821**
[13] C

[51] **Int.Cl. H03F 3/217 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **SWITCHING MODE POWER AMPLIFIER WITH LOAD ISOLATION**
[54] **AMPLIFICATEUR DE PUISSANCE A MODE DE COMMUTATION DOTE D'ISOLEMENT DE CHARGE**
[72] LATURELL, DON, US
[72] PLETERSKI, JAMES, US
[73] SPARTON CORPORATION, US
[86] (2937821)
[87] (2937821)
[22] 2016-08-03
[30] US (62/201,347) 2015-08-05
[30] US (15/220,705) 2016-07-27

[11] **2,938,096**
[13] C

[51] **Int.Cl. A01N 61/02 (2006.01) A01N 25/02 (2006.01) A01N 25/22 (2006.01) A01P 3/00 (2006.01) A01P 7/04 (2006.01)**
[25] EN
[54] **STABILIZED EMULSIONS**
[54] **EMULSIONS STABILISEES**
[72] NASH, BRADY, CA
[72] LIU, JUN, CA
[72] FEFER, MICHAEL, CA
[73] SUNCOR ENERGY INC., CA
[86] (2938096)
[87] (2938096)
[22] 2016-08-04

[11] **2,938,598**
[13] C

[51] **Int.Cl. C07C 69/738 (2006.01) C08G 65/331 (2006.01) C08G 65/332 (2006.01) C08L 71/00 (2006.01) C10M 115/04 (2006.01) C10M 119/18 (2006.01) C11C 3/00 (2006.01)**
[25] EN
[54] **POLYALKANOIC OR POLYALKENOIC ACID BASED HIGH PERFORMANCE, WATER-DILUTABLE LUBRICITY ADDITIVE FOR MULTI-METAL METALWORKING APPLICATIONS**
[54] **ADDITIF LUBRIFIANT HAUT RENDEMENT DILUABLE A L'EAU A BASE D'ACIDE POLYALCANOIQUE OU POLYALCENOIQUE DESTINE A DES APPLICATIONS DE TRAVAIL DE METAUX DIVERS**
[72] BINGEMAN, RON, US
[72] PALMER, CHARLES FRANCIS, JR., US
[72] TANNER, JAMES T., US
[72] WICKER, CALVIN M., JR., US
[73] ETHOX CHEMICALS, LLC, US
[85] 2016-08-02
[86] 2015-02-09 (PCT/US2015/015077)
[87] (WO2015/120418)
[30] US (61/937,490) 2014-02-08
[30] US (14/617,917) 2015-02-09

[11] **2,938,967**
[13] C

[51] **Int.Cl. C11D 17/08 (2006.01) C09D 11/037 (2014.01) B65D 65/46 (2006.01)**
[25] EN
[54] **PRINTED WATER SOLUBLE POUCH**
[54] **SACHET IMPRIME SOLUBLE DANS L'EAU**
[72] MURPHY, BRYAN PATRICK, US
[72] BRANDT SANZ, MIGUEL, BE
[72] GABRIELE, ANDREA, BE
[72] LABEQUE, REGINE, BE
[72] CURCIC, NIKOLA, BE
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2016-08-04
[86] 2015-03-24 (PCT/US2015/022173)
[87] (WO2015/148461)
[30] US (61/971,019) 2014-03-27

[11] **2,939,320**
[13] C

[51] **Int.Cl. F16K 17/04 (2006.01) F16K 37/00 (2006.01)**
[25] EN
[54] **RELIEF VALVE WITH POSITION INDICATION**
[54] **SOUPEPE DE DECHARGE AVEC INDICATION DE POSITION**
[72] ALMAZAN, RAUL H., US
[72] ZAHN, MICHAEL RICHARD ADIB, US
[72] CARUTHERS, JACK, US
[72] LOGA, THOMAS HENRY, US
[72] SEILER, DAVID J., US
[72] CROUCH, JUSTIN BLAKE, US
[73] DANIEL MEASUREMENT AND CONTROL, INC., US
[85] 2016-08-10
[86] 2015-01-28 (PCT/US2015/013255)
[87] (WO2015/116659)
[30] US (61/934,913) 2014-02-03

[11] **2,939,717**
[13] C

[51] **Int.Cl. A61L 12/12 (2006.01) A61L 12/02 (2006.01)**
[25] EN
[54] **SYSTEM FOR DISINFECTING CONTACT LENSES**
[54] **SYSTEME POUR LA DESINFECTION DE LENTILLES DE CONTACT**
[72] TUCKER, ROBERT CAREY, US
[73] NOVARTIS AG, CH
[85] 2016-08-15
[86] 2015-03-23 (PCT/US2015/021946)
[87] (WO2015/153159)
[30] US (61/974,574) 2014-04-03

[11] **2,941,050**
[13] C

[51] **Int.Cl. A61K 31/216 (2006.01) A61P 19/10 (2006.01)**
[25] EN
[54] **CALEBIN A FOR OSTEOPOROSIS**
[54] **CALEBINE A DESTINEE A L'OSTEOPOROSE**
[72] MAJEED, MUHAMMED, US
[72] NAGABHUSHANAM, KALYANAM, US
[73] MAJEED, MUHAMMED, US
[86] (2941050)
[87] (2941050)
[22] 2016-09-02
[30] US (15/228,142) 2016-08-04

**Brevets canadiens délivrés
26 février 2019**

[11] **2,941,258**
[13] C

[51] **Int.Cl. G06F 9/46 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR
TOKEN-BASED APPLICATION
MANAGEMENT**
[54] **PROCEDES ET SYSTEMES DE
GESTION D'APPLICATIONS
BASEE SUR DES JETONS**
[72] ABBATE, ALAIN D., US
[72] LEY, DAVID J., US
[72] THOMADSEN, TOMMY, DK
[73] MOTOROLA SOLUTIONS, INC., US
[85] 2016-08-30
[86] 2015-02-27 (PCT/US2015/017911)
[87] (WO2015/134308)
[30] US (14/200,606) 2014-03-07

[11] **2,941,410**
[13] C

[51] **Int.Cl. B01D 53/52 (2006.01) C01C
1/12 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR
ENHANCED SEPARATION OF
HYDROGEN SULFIDE AND
AMMONIA IN A HYDROGEN
SULFIDE STRIPPER**
[54] **SYSTEMES ET PROCEDES
PERMETTANT LA SEPARATION
AMELIOREE DE SULFURE
D'HYDROGENE ET
D'AMMONIAC DANS UN
DECAPANT DE SULFURE
D'HYDROGENE**
[72] TAYLOR, MARTIN, US
[72] KIMTANTAS, CHARLES, US
[73] BECHTEL HYDROCARBON
TECHNOLOGY SOLUTIONS, INC.,
US
[85] 2016-08-31
[86] 2015-03-05 (PCT/US2015/019009)
[87] (WO2015/134774)
[30] US (61/948,118) 2014-03-05

[11] **2,941,954**
[13] C

[51] **Int.Cl. E04B 1/38 (2006.01) E04B 1/92
(2006.01) E04C 5/16 (2006.01)**
[25] EN
[54] **HOLD DOWN SYSTEM WITH
DISTRIBUTED LOADING FOR
BUILDING WALLS**
[54] **SYSTEME DE MAINTIEN A
CHARGEMENT DISTRIBUE
DESTINE AUX MURS DE
BATIMENT**
[72] ESPINOSA, THOMAS M., US
[73] CETRES HOLDINGS, LLC, US
[86] (2941954)
[87] (2941954)
[22] 2016-09-15
[30] US (62/219,005) 2015-09-15

[11] **2,943,064**
[13] C

[51] **Int.Cl. G01F 1/66 (2006.01) B06B 1/06
(2006.01) H04R 17/00 (2006.01)**
[25] EN
[54] **TRANSDUCER FOR ULTRASONIC
FLOW METER**
[54] **TRANSDUCTEUR POUR
DEBITMETRE ULTRASONORE**
[72] MEZHERITSKY, ALEX, US
[72] ALLEN, CHARLES ROBERT, US
[73] DANIEL MEASUREMENT AND
CONTROL, INC., US
[85] 2016-09-16
[86] 2015-03-06 (PCT/US2015/019137)
[87] (WO2015/142542)
[30] US (14/220,294) 2014-03-20

[11] **2,943,130**
[13] C

[51] **Int.Cl. F21V 13/04 (2006.01) F21K
9/00 (2016.01) F21V 5/04 (2006.01)
F21V 7/04 (2006.01) F21V 17/06
(2006.01)**
[25] EN
[54] **FIELD LIGHT CONTROL SYSTEM
FOR LED LUMINAIRES**
[54] **SYSTEME DE CONTROLE
D'ECLAIRAGE DE CHAMP
DESTINE A DES LUMINAIRES A
DEL**
[72] HOU, BIN, US
[72] BRAND, JAMES G., US
[73] ABL IP HOLDING LLC, US
[86] (2943130)
[87] (2943130)
[22] 2016-09-26
[30] US (14/878501) 2015-10-08

[11] **2,943,554**
[13] C

[51] **Int.Cl. A61M 5/24 (2006.01) A61M
5/315 (2006.01)**
[25] EN
[54] **SYRINGE**
[54] **SERINGUE**
[72] YEAH, CHIN MIN, CN
[73] CC BIOTECHNOLOGY
CORPORATION, CN
[85] 2016-09-22
[86] 2014-04-03 (PCT/CN2014/074713)
[87] (WO2015/149323)

[11] **2,943,594**
[13] C

[51] **Int.Cl. C09K 8/03 (2006.01) C09K
8/50 (2006.01) E21B 33/13 (2006.01)**
[25] EN
[54] **LOST-CIRCULATION
MATERIALS OF TWO
DIFFERENT TYPES OF FIBERS**
[54] **COLMATANTS A DEUX TYPES
DIFFERENTS DE FIBRE**
[72] WALKER, JONATHAN P., US
[72] WHITFILL, DONALD L., US
[72] SAVARI, SHARATH, US
[73] HALLIBURTON ENERGY
SERVICES, INC., US
[85] 2016-09-22
[86] 2014-06-10 (PCT/US2014/041778)
[87] (WO2015/191055)

**Canadian Patents Issued
February 26, 2019**

[11] **2,943,842**
[13] C

[51] **Int.Cl. C23F 11/02 (2006.01) B65D 90/12 (2006.01)**
[25] EN
[54] **A STORAGE TANK BOTTOM CORROSION PROTECTION SYSTEM**
[54] **SYSTEME DE PROTECTION CONTRE LA CORROSION DE FOND DE RESERVOIR DE STOCKAGE**
[72] LYUBLINSKI, EFIM YA, US
[72] RAMDAS, GAUTAM, US
[72] VAKS, YEFIM, US
[72] NATALE, TERRY ALAN, US
[72] POSNER, MONIQUE HUMBERT, US
[72] BAKER, KELLY M., US
[72] ROYTMAN, ALEXANDER, US
[73] NORTHERN TECHNOLOGIES INTERNATIONAL CORPORATION, US
[85] 2016-09-23
[86] 2015-03-10 (PCT/US2015/019569)
[87] (WO2015/167670)
[30] US (61/985,099) 2014-04-28
[30] US (14/557,937) 2014-12-02

[11] **2,944,263**
[13] C

[51] **Int.Cl. F41H 5/013 (2006.01) F16B 5/02 (2006.01)**
[25] EN
[54] **DEVICE FOR ATTACHING BALLISTIC PROTECTION ELEMENTS**
[54] **DISPOSITIF DE FIXATION D'ELEMENTS DE PROTECTION BALISTIQUE**
[72] FRANZ, MANUEL, DE
[72] OSTREICHER, MARTIN, DE
[73] RHEINMETALL MAN MILITARY VEHICLES GMBH, DE
[85] 2016-09-28
[86] 2015-04-08 (PCT/EP2015/057545)
[87] (WO2015/155196)
[30] DE (10 2014 005 092.0) 2014-04-08

[11] **2,944,403**
[13] C

[51] **Int.Cl. C22C 38/06 (2006.01) B21B 1/22 (2006.01) C21D 8/02 (2006.01) C22C 38/04 (2006.01)**
[25] EN
[54] **HIGH-STRENGTH STEEL SHEET FOR CONTAINERS AND METHOD FOR PRODUCING THE SAME**
[54] **TOLE D'ACIER A HAUTE RESISTANCE POUR CONTENANT, ET SON PROCEDE DE PRODUCTION**
[72] TADA, MASAKI, JP
[72] SAITO, HAYATO, JP
[72] KOJIMA, KATSUMI, JP
[72] NAKAMARU, HIROKI, JP
[73] JFE STEEL CORPORATION, JP
[85] 2016-09-29
[86] 2015-04-23 (PCT/JP2015/002215)
[87] (WO2015/166653)
[30] JP (2014-094027) 2014-04-30

[11] **2,944,939**
[13] C

[51] **Int.Cl. B65D 88/20 (2006.01) E03B 11/00 (2006.01)**
[25] EN
[54] **FOLDABLE TANK WITH EXTENDED CAPACITY**
[54] **RESERVOIR PLIANT A CAPACITE ETENDUE**
[72] CHRISTENSEN, CHAD A., US
[73] FOLD-DA-TANK COMPANY, US
[86] (2944939)
[87] (2944939)
[22] 2016-10-12
[30] US (62/240,558) 2015-10-13
[30] US (15/239,592) 2016-08-17

[11] **2,945,296**
[13] C

[51] **Int.Cl. A61F 13/15 (2006.01) A41B 9/00 (2006.01) A41B 9/02 (2006.01) A41B 9/04 (2006.01) A41B 17/00 (2006.01)**
[25] EN
[54] **ABSORBENT UNDERWEAR INCLUDING AN ABSORBENT POUCH**
[54] **SOUS-VETEMENT ABSORBANT COMPORTANT UNE POCLETTE ABSORBANTE**
[72] RIHA-SCOTT, FRANTISEK, NZ
[72] DAVEY, MARK NAIRN, NZ
[73] RSD HOLDINGS LIMITED, NZ
[85] 2016-10-07
[86] 2015-04-10 (PCT/NZ2015/000025)
[87] (WO2015/156686)
[30] NZ (623773) 2014-04-11
[30] NZ (626874) 2014-06-30

[11] **2,945,354**
[13] C

[51] **Int.Cl. B03D 1/02 (2006.01) C22B 3/20 (2006.01) C22B 34/34 (2006.01)**
[25] EN
[54] **DEPRESSION OF COPPER AND IRON SULFIDES IN MOLYBDENITE FLOTATION CIRCUITS**
[54] **DEPRESSION DE SULFURES DE CUIVRE ET DE FER DANS DES CIRCUITS DE FLOTTATION DE MOLYBDENITE**
[72] DIMITRIADIS, ALEXANDROS, US
[72] COOK, THEODORE E., US
[73] TESSENDERLO KERLEY, INC., US
[85] 2016-10-07
[86] 2015-04-09 (PCT/US2015/025067)
[87] (WO2015/157498)
[30] US (61/978,720) 2014-04-11

**Brevets canadiens délivrés
26 février 2019**

[11] **2,945,560**
[13] C

[51] **Int.Cl. C23C 14/16 (2006.01) C21D 7/13 (2006.01) C22F 1/04 (2006.01) C23C 2/04 (2006.01) B32B 15/01 (2006.01) C22C 21/00 (2006.01) C22C 38/06 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING A STEEL COMPONENT WHICH IS SHAPED BY HOT-FORMING A STEEL SHEET WHICH HAS A METAL COATING**

[54] **METHODE DE PRODUCTION D'UN COMPOSE D'ACIER QUI EST FORME PAR FORMAGE A CHAUD D'UNE TOLE D'ACIER COMPORTANT UN REVETEMENT METALLIQUE**

[72] SCHUHMACHER, BERND, DE
[72] SCHWERDT, CHRISTIAN, DE
[72] SCHROOTEN, AXEL, DE
[72] BAUSE, RALF, DE
[73] THYSSENKRUPP STEEL EUROPE AG, DE
[73] THYSSENKRUPP AG, DE
[85] 2016-10-12
[86] 2015-04-29 (PCT/EP2015/059397)
[87] (WO2015/173023)
[30] EP (14167917.5) 2014-05-12

[11] **2,945,775**
[13] C

[51] **Int.Cl. C02F 11/14 (2019.01) C02F 11/148 (2019.01) C02F 1/52 (2006.01) C02F 11/12 (2019.01)**

[25] EN

[54] **WATER SEPARATION FROM SLUDGE**

[54] **SEPARATION D'EAU DE LA BOUE**

[72] ROA-ESPINOSA, AICARDO, US
[73] ROA-ESPINOSA, AICARDO, US
[86] (2945775)
[87] (2945775)
[22] 2016-10-19

[11] **2,945,805**
[13] C

[51] **Int.Cl. C09D 11/30 (2014.01) B33Y 10/00 (2015.01) B33Y 70/00 (2015.01)**

[25] EN

[54] **INK JET INK COMPOSITIONS FOR DIGITAL MANUFACTURING OF TRANSPARENT OBJECTS**

[54] **COMPOSITIONS D'ENCRE D'IMPRESSIION A JET D'ENCRE DESTINEES A LA FABRICATION NUMERIQUE D'OBJETS TRANSPARENTS**

[72] CHOPRA, NAVEEN, CA
[72] KEOSHKERIAN, BARKEV, CA
[72] MOORLAG, CAROLYN, CA
[72] ALLEN, GEOFFREY C., CA
[72] BRETON, MARCEL P., CA
[72] SISLER, GORDON, CA
[73] XEROX CORPORATION, US
[86] (2945805)
[87] (2945805)
[22] 2016-10-19
[30] US (14/927844) 2015-10-30

[11] **2,946,367**
[13] C

[51] **Int.Cl. H05B 37/02 (2006.01) F21K 9/00 (2016.01)**

[25] EN

[54] **LED LIGHTING SYSTEM**

[54] **SYSTEME D'ECLAIRAGE A DIODES ELECTROLUMINESCENTES**

[72] FONTECCHIO, ADAM K., US
[72] SHELDON, DONALD, US
[72] EISELE, ERIC JON, US
[73] DELOS LIVING LLC, US
[86] (2946367)
[87] (2946367)
[22] 2010-10-07
[62] 2,805,851
[30] US (61/249,858) 2009-10-08

[11] **2,946,822**
[13] C

[51] **Int.Cl. B32B 33/00 (2006.01) B32B 3/30 (2006.01) B32B 27/14 (2006.01) B65D 23/02 (2006.01)**

[25] EN

[54] **STRUCTURE HAVING LIQUID FILM ON THE SURFACE THEREOF**

[54] **STRUCTURE COMPORTANT UN FILM LIQUIDE SUR SA SURFACE**

[72] IWAMOTO, SHINYA, JP
[72] AKUTSU, YOSUKE, JP
[73] TOYO SEIKAN GROUP HOLDINGS, LTD., JP
[85] 2016-10-24
[86] 2015-04-14 (PCT/JP2015/061451)
[87] (WO2015/163189)
[30] JP (2014-091894) 2014-04-25

[11] **2,946,847**
[13] C

[51] **Int.Cl. C09K 8/80 (2006.01) E21B 43/267 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR PROVIDING PROPPANT SUSPENSION AND CONSOLIDATION IN SUBTERRANEAN TREATMENT OPERATIONS**

[54] **PROCEDES ET COMPOSITIONS DE FOURNITURE DE SUSPENSION D'AGENT DE SOUTENEMENT ET DE CONSOLIDATION DANS DES OPERATIONS DE TRAITEMENT SOUTERRAIN**

[72] NGUYEN, PHILIP D., US
[72] VO, LOAN K., US
[72] CHOPADE, PRASHANT D., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-10-24
[86] 2014-06-19 (PCT/US2014/043127)
[87] (WO2015/195126)

**Canadian Patents Issued
February 26, 2019**

[11] **2,946,879**
[13] C

[51] **Int.Cl. G09G 5/34 (2006.01) G06F 3/0485 (2013.01)**
[25] EN
[54] **TILTING TO SCROLL
INCLINAISON POUR
DEFILEMENT**
[72] AMERIGE, BRIAN D., US
[72] MATAS, MICHAEL, US
[73] FACEBOOK, INC., US
[86] (2946879)
[87] (2946879)
[22] 2014-03-17
[62] 2,906,181
[30] US (13/846,131) 2013-03-18

[11] **2,947,135**
[13] C

[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **NON-BURNING-TYPE FLAVOR
INHALER AND COMPUTER-
READABLE MEDIUM**
[54] **INHALATEUR D'AROME DU
TYPE SANS COMBUSTION ET
SUPPORT LISIBLE PAR
ORDINATEUR**
[72] YAMADA, MANABU, JP
[72] TAKEUCHI, MANABU, JP
[72] MATSUMOTO, HIROFUMI, JP
[72] TARORA, MASAFUMI, JP
[73] JAPAN TOBACCO INC., JP
[85] 2016-10-26
[86] 2015-04-28 (PCT/JP2015/062850)
[87] (WO2015/166952)
[30] JP (2014-095160) 2014-05-02

[11] **2,947,219**
[13] C

[51] **Int.Cl. G06F 1/16 (2006.01) G06F 1/20 (2006.01) G06F 1/26 (2006.01) H04L 12/40 (2006.01) H04Q 1/04 (2006.01) H05K 7/14 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **FLEXIBLE DATA CENTER
INFRASTRUCTURE
DISTRIBUTION**
[54] **DISTRIBUTION
D'INFRASTRUCTURES DE
CENTRES DE DONNEES
FLEXIBLES**
[72] MORALES, OSVALDO P., US
[72] GARDNER, BROCK ROBERT, US
[73] AMAZON TECHNOLOGIES, INC., US
[85] 2016-10-26
[86] 2015-05-01 (PCT/US2015/028809)
[87] (WO2015/168565)
[30] US (61/987,453) 2014-05-01
[30] US (14/475,189) 2014-09-02

[11] **2,947,462**
[13] C

[51] **Int.Cl. C11B 3/10 (2006.01) C11B 1/10 (2006.01) C11B 3/00 (2006.01) C11B 3/02 (2006.01)**
[25] EN
[54] **METHOD FOR PURIFYING
REFINED LIPID PHASES**
[54] **PROCEDE DE CLARIFICATION
DE PHASES LIPIDIQUES
RAFFINEES**
[72] DIETZ, MAX, DE
[73] DREI LILIEN PVG GMBH & CO. KG, DE
[73] SE TYLOSE GMBH & CO. KG, DE
[85] 2016-10-28
[86] 2015-06-01 (PCT/EP2015/062182)
[87] (WO2015/181399)
[30] DE (10 2014 007 740.3) 2014-05-30

[11] **2,947,536**
[13] C

[51] **Int.Cl. F16L 15/04 (2006.01)**
[25] EN
[54] **THREADED JOINT FOR STEEL
PIPES**
[54] **RACCORD FILETE DESTINE A
DES TUYAUX EN ACIER**
[72] SUGINO, MASAOKI, JP
[72] GOTO, KUNIO, JP
[73] VALLOUREC OIL AND GAS
FRANCE, FR
[73] NIPPON STEEL & SUMITOMO
METAL CORPORATION, JP
[85] 2016-10-31
[86] 2015-05-26 (PCT/JP2015/002662)
[87] (WO2015/182128)
[30] JP (2014-113084) 2014-05-30

[11] **2,948,114**
[13] C

[51] **Int.Cl. A61K 39/385 (2006.01) A61K 39/116 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **POLYSACCHARIDE-PROTEIN
CONJUGATE VACCINES**
[54] **VACCINS CONJUGUES
POLYSACCHARIDE-PROTEINE**
[72] LEE, CHE-HUNG ROBERT, US
[72] FRASCH, CARL E., US
[73] THE GOVERNMENT OF THE
UNITED STATES OF AMERICA, AS
REPRESENTED BY THE
SECRETARY, DEPARTMENT OF
HEALTH AND HUMAN SERVICES,
US
[86] (2948114)
[87] (2948114)
[22] 2004-08-06
[62] 2,844,154
[30] US (60/493,389) 2003-08-06

**Brevets canadiens délivrés
26 février 2019**

[11] **2,948,182**
[13] C

[51] **Int.Cl. A61B 1/12 (2006.01) A61B 90/70 (2016.01)**
[25] EN
[54] **LAPAROSCOPE AND ENDOSCOPE CLEANING AND DEFOGGING DEVICE**
[54] **DISPOSITIF DE NETTOYAGE ET DE DESEMBUAGE DE LAPAROSCOPE ET D'ENDOSCOPE**
[72] MILLER, MICHAEL J., US
[72] PEPE, GREGORY, US
[72] BONANO, SAMANTHA, US
[72] LIZAUCKAS, ANTHONY L., III, US
[72] KELLNER, WILLIAM J., US
[73] BUFFALO FILTER LLC, US
[85] 2016-11-04
[86] 2015-05-06 (PCT/US2015/029479)
[87] (WO2015/171771)
[30] US (61/989,220) 2014-05-06

[11] **2,948,361**
[13] C

[51] **Int.Cl. B65D 65/40 (2006.01) B65D 1/00 (2006.01) B65D 85/72 (2006.01)**
[25] EN
[54] **STRUCTURAL BODY HAVING LIQUID LAYER ON THE SURFACE THEREOF**
[54] **STRUCTURE AYANT UNE COUCHE LIQUIDE SUR LA SURFACE**
[72] IWAMOTO, SHINYA, JP
[72] AKUTSU, YOSUKE, JP
[72] OKAMOTO, KOTA, JP
[73] TOYO SEIKAN GROUP HOLDINGS, LTD., JP
[85] 2016-11-07
[86] 2015-05-13 (PCT/JP2015/063725)
[87] (WO2015/182383)
[30] JP (2014-113483) 2014-05-30

[11] **2,948,457**
[13] C

[51] **Int.Cl. G10K 11/36 (2006.01) G10K 11/18 (2006.01) G10K 11/20 (2006.01) G10K 11/28 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR IMPROVED ACOUSTIC ENVIRONMENT CHARACTERIZATION**
[54] **PROCEDES ET SYSTEMES PERMETTANT D'AMELIORER LA CARACTERISATION D'ENVIRONNEMENTS ACOUSTIQUES**
[72] KNICKREHM, GLENN, US
[72] BASSUET, ALBAN, US
[72] ELLERINGTON, GEORGE, GB
[72] WOODGER, ANDREW NEILL, GB
[73] CONSTELLATION PRODUCTIONS, INC., US
[86] (2948457)
[87] (2948457)
[22] 2009-06-30
[62] 2,729,744
[30] US (61/185,837) 2009-06-10
[30] US (61/176,426) 2009-05-07
[30] US (61/076,859) 2008-06-30

[11] **2,948,647**
[13] C

[51] **Int.Cl. B65D 1/02 (2006.01)**
[25] EN
[54] **FACETED CONTAINER**
[54] **RECIPIENT A FACETTES**
[72] BERLEPSCH, JOSEPH ALLEN, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2016-11-09
[86] 2015-06-03 (PCT/US2015/033870)
[87] (WO2015/187761)
[30] US (14/298,172) 2014-06-06

[11] **2,948,706**
[13] C

[51] **Int.Cl. G01B 11/16 (2006.01) G01K 11/32 (2006.01) H01B 7/32 (2006.01) H01B 9/00 (2006.01)**
[25] EN
[54] **DEFORMATION MONITORING SYSTEM FOR ELECTRIC CABLES**
[54] **SYSTEME DE SURVEILLANCE DE LA DEFORMATION DESTINE AUX CABLES ELECTRIQUES**
[72] SARCHI, DAVIDE, IT
[72] KNUEPFER, BERND, IT
[72] KEMNITZ, CARSTEN, IT
[72] GASPARI, ROBERTO, IT
[72] CARL, ARND-GUENTHER, IT
[72] CONSONNI, ENRICO, IT
[72] KITTEL, THOMAS, IT
[72] EWALD, REINER, IT
[73] PRYSMIAN S.P.A., IT
[86] (2948706)
[87] (2948706)
[22] 2009-05-27
[62] 2,763,272

[11] **2,948,895**
[13] C

[51] **Int.Cl. H04N 21/266 (2011.01) H04N 21/6334 (2011.01)**
[25] EN
[54] **PROVISIONING DRM CREDENTIALS ON A CLIENT DEVICE USING AN UPDATE SERVER**
[54] **FOURNITURE DE JUSTIFICATIFS D'IDENTITE DE GDN SUR UN DISPOSITIF CLIENT AU MOYEN D'UN SERVEUR DE MISE A JOUR**
[72] CHAN, TAT KEUNG, US
[72] MEDVINSKY, ALEXANDER, US
[72] MORONEY, PAUL, US
[73] ARRIS ENTERPRISES LLC, US
[85] 2016-11-08
[86] 2015-05-01 (PCT/US2015/028780)
[87] (WO2015/171454)
[30] US (61/990,248) 2014-05-08
[30] US (14/529,849) 2014-10-31

**Canadian Patents Issued
February 26, 2019**

[11] **2,948,898**
[13] C

[51] **Int.Cl. E21D 20/00 (2006.01)**
[25] EN
[54] **PORTABLE ROCK BOLT STAND
SUPPORT DE BOULON
D'ANCRAGE PORTATIF**
[72] BROUILLETTE, GEORGES, CA
[73] CITY WELDING SUDBURY (2015)
LIMITED, CA
[86] (2948898)
[87] (2948898)
[22] 2016-11-18
[30] US (62/350,466) 2016-06-15

[11] **2,948,920**
[13] C

[51] **Int.Cl. C09C 3/10 (2006.01) C08G
65/333 (2006.01)**
[25] EN
[54] **POLYMER, POLYMER MODIFIED
TITANIUM DIOXIDE PIGMENT,
AND METHOD OF FORMING A
PIGMENTED PAINT
FORMULATION**
[54] **POLYMER, PIGMENT DIOXYDE
DE TITANE MODIFIE AVEC UN
POLYMER, ET PROCEDE DE
FORMATION D'UNE
FORMULATION DE PEINTURE
PIGMENTEE**
[72] SU, QUAN, US
[72] GOPARAJU, VENKATA RAMA
RAO, US
[73] TRONOX LLC, US
[85] 2016-11-10
[86] 2016-04-14 (PCT/US2016/027428)
[87] (WO2016/171982)
[30] US (14/691,185) 2015-04-20

[11] **2,948,983**
[13] C

[51] **Int.Cl. H05B 37/02 (2006.01) F21V
23/06 (2006.01) H01R 31/06 (2006.01)
F21K 9/00 (2016.01)**
[25] EN
[54] **ADAPTER FOR A LUMINAIRE
CONTROLLER**
[54] **ADAPTATEUR DESTINE A UNE
COMMANDE DE LUMINAIRE**
[72] CHAOUA, YOUCEF, CA
[72] MERLING, CONRAD RICHARD, US
[73] GE LIGHTING SOLUTIONS, LLC, US
[86] (2948983)
[87] (2948983)
[22] 2016-11-17
[30] US (14/947,381) 2015-11-20

[11] **2,949,054**
[13] C

[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **AUTOMATED PACKAGE
RELOCATION FROM AN
UNMANNED KIOSK**
[54] **DEPLACEMENT AUTOMATISE
DE PAQUETS A PARTIR D'UN
KIOSQUE SANS EFFECTIF**
[72] TREW, BRANDON KYLE, US
[72] HASSAM, AMEENA, US
[73] GOOGLE LLC, US
[85] 2016-11-14
[86] 2015-05-01 (PCT/US2015/028823)
[87] (WO2015/175242)
[30] US (14/276,841) 2014-05-13

[11] **2,949,108**
[13] C

[51] **Int.Cl. H04S 7/00 (2006.01) G10L
19/008 (2013.01)**
[25] EN
[54] **OBTAINING SPARSENESS
INFORMATION FOR HIGHER
ORDER AMBISONIC AUDIO
RENDERERS**
[54] **OBTENTION D'INFORMATIONS
DE DISPERSION POUR DES
MOTEURS DE RENDU AUDIO
AMBIOPHONIQUE D'ORDRE
SUPERIEUR**
[72] PETERS, NILS GUNTHER, US
[72] SEN, DIPANJAN, US
[72] MORRELL, MARTIN JAMES, US
[73] QUALCOMM INCORPORATED, US
[85] 2016-11-14
[86] 2015-05-29 (PCT/US2015/033262)
[87] (WO2015/184307)
[30] US (62/005,829) 2014-05-30
[30] US (62/023,662) 2014-07-11
[30] US (14/724,560) 2015-05-28

[11] **2,949,119**
[13] C

[51] **Int.Cl. A61M 35/00 (2006.01) A61B
5/00 (2006.01) A61B 5/103 (2006.01)
A61K 8/02 (2006.01) A61Q 19/00
(2006.01) G06T 7/40 (2017.01) B41J
2/01 (2006.01) B41J 2/175 (2006.01)
B41J 3/407 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR
MODIFYING KERATINOUS
SURFACES**
[54] **APPAREIL ET PROCEDES DE
MODIFICATION DE SURFACE
KERATINIQUE**
[72] RABE, THOMAS ELLIOT, US
[72] SHERMAN, FAIZ FEISAL, US
[72] BUSH, STEPHAN GARY, US
[72] MESCHKAT, STEPHAN JAMES
ANDREAS, DE
[73] THE PROCTER & GAMBLE
COMPANY, US
[85] 2016-11-14
[86] 2015-06-11 (PCT/US2015/035288)
[87] (WO2015/191829)
[30] US (62/011,846) 2014-06-13

[11] **2,949,211**
[13] C

[51] **Int.Cl. G08B 29/18 (2006.01) G08B
19/00 (2006.01) G08B 25/00 (2006.01)
H04L 12/16 (2006.01)**
[25] EN
[54] **SECURITY MONITORING AND
CONTROL**
[54] **SURVEILLANCE ET COMMANDE
DE SECURITE**
[72] FARRAND, TOBIN E., US
[72] GILLON, WILLIAM M., US
[72] SNOW, KEVIN D., US
[72] KREIN, WILLIAM T., US
[72] BRYAN, DAVID A., US
[73] OOMA, INC., US
[85] 2016-11-15
[86] 2015-05-04 (PCT/US2015/029109)
[87] (WO2015/179120)
[30] US (14/283,132) 2014-05-20

**Brevets canadiens délivrés
26 février 2019**

[11] **2,949,340**
[13] C

[51] **Int.Cl. C23C 22/00 (2006.01) B05C 1/08 (2006.01) B05D 1/28 (2006.01) B05D 7/14 (2006.01) B21B 38/04 (2006.01) B21B 39/00 (2006.01) B41F 19/00 (2006.01) B41F 21/00 (2006.01) C23C 22/36 (2006.01) C23C 22/77 (2006.01) G01B 7/06 (2006.01) G01B 11/06 (2006.01)**

[25] FR

[54] **PROCESS FOR MANUFACTURING A STEEL STRIP FOR PACKAGING AND ASSOCIATED EQUIPMENT**

[54] **PROCEDE DE FABRICATION D'UNE BANDE D'ACIER POUR EMBALLAGE ET EQUIPEMENT ASSOCIE**

[72] STOUFF, MATHIAS, FR
[72] GLIJER, DAVID, FR
[72] MARQUAIS, THIERRY, FR
[72] LEQUIPPE, GUILLAUME, FR
[72] LECLERC, THIBAUT, FR
[72] FRIEDRICH, MARC, FR
[73] ARCELORMITTAL, LU
[85] 2016-11-16
[86] 2014-05-16 (PCT/IB2014/000745)
[87] (WO2015/173600)

[11] **2,949,866**
[13] C

[51] **Int.Cl. E01C 9/08 (2006.01) E01C 5/00 (2006.01) E01C 5/20 (2006.01) E01C 11/02 (2006.01) E01F 1/00 (2006.01) F16J 15/02 (2006.01)**

[25] EN

[54] **LOAD-SUPPORTING SURFACE WITH ACTIVELY CONNECTED GAP SEALS AND RELATED APPARATUS & METHODS**

[54] **SURFACE SUPPORTANT LA CHARGE A JOINTS ECRANS CONNECTES ACTIVEMENT ET APPAREILLAGE ET METHODES ASSOCIES**

[72] BORDELON, RANDY PAUL, US
[72] EDWARDS, RICHARD LAMAR, JR., US
[72] MCDOWELL, JAMES KERWIN, US
[73] NEWPARK MATS & INTEGRATED SERVICES LLC, US
[85] 2016-11-21
[86] 2015-06-08 (PCT/US2015/034626)
[87] (WO2015/195385)
[30] US (62/013,899) 2014-06-18
[30] US (14/730,938) 2015-06-04

[11] **2,949,922**
[13] C

[51] **Int.Cl. A24F 47/00 (2006.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01) A61M 16/00 (2006.01)**

[25] EN

[54] **ELECTRONIC VAPOUR PROVISION SYSTEM**

[54] **SYSTEME DE DISTRIBUTION DE VAPEUR ELECTRONIQUE**

[72] DICKENS, COLIN, GB
[73] NICOVENTURES HOLDINGS LIMITED, GB
[85] 2016-11-22
[86] 2015-03-30 (PCT/GB2015/050958)
[87] (WO2015/189556)
[30] GB (1410171.1) 2014-06-09

[11] **2,951,010**
[13] C

[51] **Int.Cl. H04N 21/234 (2011.01) H04N 21/235 (2011.01) H04N 21/236 (2011.01) H04J 11/00 (2006.01)**

[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 POUR LA TRANSMISSION DE SIGNAUX DE DIFFUSION, APPAREIL POUR LA RECEPTION DE SIGNAUX DE DIFFUSION, PROCEDE POUR LA TRANSMISSION DE SIGNAUX DE DIFFUSION ET PROCEDE POUR LA RECEPTION DE SIGNAUX DE DIFFUSION**

[72] BAEK, JONGSEOB, KR
[72] KO, WOOSUK, KR
[72] BACK, SEOYOUNG, KR
[72] HONG, SUNGRYONG, KR
[73] LG ELECTRONICS INC., KR
[85] 2016-12-01
[86] 2015-06-01 (PCT/KR2015/005466)
[87] (WO2015/186938)
[30] US (62/006,849) 2014-06-02
[30] US (62/006,858) 2014-06-02

[11] **2,951,012**
[13] C

[51] **Int.Cl. H04N 21/234 (2011.01) H04N 21/236 (2011.01) H04J 11/00 (2006.01)**

[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 DE TRANSMISSION DE SIGNAUX DE DIFFUSION, APPAREIL DE RECEPTION DE SIGNAUX DE DIFFUSION, PROCEDE DE TRANSMISSION DE SIGNAUX DE DIFFUSION, ET PROCEDE DE RECEPTION DE SIGNAUX DE DIFFUSION**

[72] BAEK, JONGSEOB, KR
[72] BACK, SEOYOUNG, KR
[72] KO, WOOSUK, KR
[72] HONG, SUNGRYONG, KR
[73] LG ELECTRONICS INC., KR
[85] 2016-12-01
[86] 2015-06-01 (PCT/KR2015/005475)
[87] (WO2015/186942)
[30] US (62/006,849) 2014-06-02
[30] US (62/006,858) 2014-06-02

[11] **2,951,220**
[13] C

[51] **Int.Cl. G01S 13/86 (2006.01) A41H 1/02 (2006.01) G01B 11/245 (2006.01) G01S 13/89 (2006.01)**

[25] EN

[54] **HANDHELD MULTI-SENSOR SYSTEM FOR SIZING IRREGULAR OBJECTS**

[54] **SYSTEME MULTICAPTEUR PORTATIF PERMETTANT DE DEFINIR LA TAILLE D'OBJETS IRREGULIERS**

[72] CHARPENTIER, ALBERT, US
[72] BOYLAN, MICHAEL, US
[72] KUTNICK, ROBERT, US
[72] WORSNOP, KENT, CA
[72] HARVILL, YOUNG, US
[73] BODIDATA, INC., US
[85] 2016-12-05
[86] 2015-06-30 (PCT/IB2015/002166)
[87] (WO2016/020763)
[30] US (62/019,023) 2014-06-30

Canadian Patents Issued
February 26, 2019

[11] **2,952,628**
[13] C

[51] **Int.Cl. A41D 13/012 (2006.01) A41D 13/015 (2006.01) A41D 13/018 (2006.01) A45F 3/04 (2006.01) A63B 71/08 (2006.01)**

[25] EN

[54] **MODULAR AIRBAG SYSTEM FOR PERSONAL PROTECTION**

[54] **SYSTEME DE COUSSIN DE SECURITE GONFLABLE MODULAIRE POUR LA PROTECTION DE PERSONNES**

[72] DAVIS, JON, US

[72] LEE, RYAN, US

[72] PADUANO, MATTHEW EDWARD, US

[72] ROBBS, AUSTIN, US

[72] TAGUMI, CHRISTOPHER KENJI, US

[73] THE NORTH FACE APPAREL CORP., US

[85] 2016-12-15

[86] 2015-06-29 (PCT/US2015/038306)

[87] (WO2016/003898)

[30] US (14/323,295) 2014-07-03

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

[51] **Int.Cl. E21B 34/02 (2006.01) E21B 33/035 (2006.01) E21B 34/04 (2006.01) F16K 15/00 (2006.01)**

[25] EN

[54] **DIRECT HYDRAULIC RAPID RESPONSE MODULE APPARATUS AND METHOD**

[54] **APPAREIL ET PROCEDE DE MODULE A REPOSE RAPIDE HYDRAULIQUE DIRECTE**

[72] HOLMES, LEWIS, US

[72] DUNCAN, IAIN G., US

[72] MASTERSON, KEVIN, US

[73] FMC TECHNOLOGIES, INC., US

[85] 2016-12-16

[86] 2015-06-17 (PCT/US2015/036244)

[87] (WO2015/195810)

[30] US (62/014,445) 2014-06-19

[11] **2,953,063**
[13] C

[51] **Int.Cl. G02B 26/10 (2006.01) A61B 1/247 (2006.01) A61B 5/107 (2006.01) A61C 13/34 (2006.01) A61C 19/04 (2006.01) G02B 27/10 (2006.01) H05K 1/18 (2006.01)**

[25] EN

[54] **MOUNTING SYSTEM FOR OPTICS**

[54] **SYSTEME DE MONTAGE D'OPTIQUES**

[72] BOLTANSKI, RAMI, IL

[73] ALIGN TECHNOLOGY, INC., US

[85] 2016-12-20

[86] 2015-06-24 (PCT/IB2015/054732)

[87] (WO2015/198238)

[30] US (14/316,698) 2014-06-26

[11] **2,953,651**
[13] C

[51] **Int.Cl. B60J 5/00 (2006.01) B60R 21/02 (2006.01)**

[25] EN

[54] **DOOR IMPACT BEAM**

[54] **POUTRELLE DE PORTIERE ANTI-CHOC**

[72] SAWA, YASUNORI, JP

[72] NAKAZAWA, YOSHIAKI, JP

[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP

[85] 2016-12-23

[86] 2014-06-30 (PCT/JP2014/067353)

[87] (WO2016/001966)

[11] **2,953,748**
[13] C

[51] **Int.Cl. B42D 15/04 (2006.01) F16C 1/02 (2006.01)**

[25] EN

[54] **FLEXIBLE DRIVE SHAFT FOR GREETING CARDS AND THE LIKE**

[54] **TIGE D'ENTRAINEMENT FLEXIBLE DESTINEE A DES CARTES DE SOUHAITS ET AUTRES SEMBLABLES**

[72] BOWEN, DOUGLAS M., US

[72] COVEY, ROBERT A., US

[72] WALLEN, THOMAS A., US

[72] PAVLU, ROBERT R., US

[73] HALLMARK CARDS, INCORPORATED, US

[86] (2953748)

[87] (2953748)

[22] 2017-01-05

[30] US (15/398,524) 2017-01-04

[11] **2,954,028**
[13] C

[51] **Int.Cl. C22B 23/02 (2006.01) C22B 1/245 (2006.01) C22B 5/10 (2006.01) C22C 33/04 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING PELLET AND METHOD FOR SMELTING NICKEL OXIDE ORE**

[54] **PROCEDE DE PRODUCTION DE BOULETTES ET PROCEDE DE FUSION DE MINERAI D'OXYDE DE NICKEL**

[72] TAKAHASHI, JUNICHI, JP

[72] INOUE, TAKU, JP

[72] OKADA, SHUUJI, JP

[73] SUMITOMO METAL MINING CO., LTD., JP

[85] 2016-12-30

[86] 2015-06-30 (PCT/JP2015/068852)

[87] (WO2016/009828)

[30] JP (2014-144881) 2014-07-15

[11] **2,954,317**
[13] C

[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/88 (2006.01)**

[25] EN

[54] **A DEVICE FOR IMPROVING THE FUNCTION OF A HEART VALVE**

[54] **DISPOSITIF ET PROCEDE VISANT A AMELIORER LA FONCTION D'UNE VALVULE CARDIAQUE**

[72] KERANEN, OLLI, SE

[73] MEDTENTIA INTERNATIONAL LTD OY, FI

[86] (2954317)

[87] (2954317)

[22] 2006-09-05

[62] 2,872,116

[30] SE (0501993-0) 2005-09-07

**Brevets canadiens délivrés
26 février 2019**

[11] **2,954,520**

[13] C

- [51] **Int.Cl. A61M 5/158 (2006.01)**
[25] EN
[54] **INSERTION DEVICE WITH SAFETY LOCK**
[54] **DISPOSITIF D'INTRODUCTION AYANT UN VERROU DE SECURITE**
[72] FREY, STEPHAN-MICHAEL, DE
[72] KUBE, OLIVER, DE
[72] RITTINGHAUS, ANDREA, DE
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2017-01-06
[86] 2015-07-22 (PCT/EP2015/066752)
[87] (WO2016/012497)
[30] EP (14177973.6) 2014-07-22

[11] **2,955,281**

[13] C

- [51] **Int.Cl. F16K 31/00 (2006.01) F24F 11/84 (2018.01) F16K 31/14 (2006.01) F24D 19/10 (2006.01) G05D 7/00 (2006.01) G05D 16/00 (2006.01)**
[25] EN
[54] **CONTROL VALVE**
[54] **VANNE DE COMMANDE**
[72] LOFFLER, GERHARD, DE
[73] OVENTROP GMBH & CO.KG, DE
[85] 2017-01-12
[86] 2015-06-30 (PCT/DE2015/100267)
[87] (WO2016/012000)
[30] DE (10 2014 110 550.8) 2014-07-25

[11] **2,955,422**

[13] C

- [51] **Int.Cl. C07D 493/04 (2006.01)**
[25] EN
[54] **METHOD FOR THE SYNTHESIS OF PRIMARY ISOHEXIDE AMINES**
[54] **PROCEDE DE PREPARATION D'AMINES D'ISOHEXIDE PRIMAIRES**
[72] ROSE, MARCUS, DE
[72] PALKOVITS, REGINA, DE
[72] PFUTZENREUTER, REBECCA, DE
[72] HAJI BEGLI, ALIREZA, DE
[72] KRONER, CHRISTINE, DE
[73] RHEINISCH-WESTFALISCHE TECHNISCHE HOCHSCHULE (RWTH) AACHEN, DE
[85] 2017-01-17
[86] 2014-07-18 (PCT/EP2014/065556)
[87] (WO2016/008547)

[11] **2,955,586**

[13] C

- [51] **Int.Cl. B01D 39/16 (2006.01) B01D 69/12 (2006.01) B01D 71/36 (2006.01) B01D 63/14 (2006.01)**
[25] EN
[54] **FLUOROPOLYMER ARTICLE FOR BACTERIAL FILTRATION**
[54] **ARTICLE EN POLYMERE FLUORE POUR FILTRATION BACTERIENNE**
[72] ZHENG, LEI, US
[72] WIKOL, MICHAEL, US
[72] STRID, JASON, US
[73] W.L. GORE & ASSOCIATES, INC., US
[85] 2017-01-18
[86] 2015-05-12 (PCT/US2015/030248)
[87] (WO2016/014140)
[30] US (14/336,031) 2014-07-21

[11] **2,955,726**

[13] C

- [51] **Int.Cl. A63C 9/084 (2012.01)**
[25] EN
[54] **SYSTEM FOR A TOURING SKI-BINDING COMPRISING A FRONT UNIT AND A HEEL UNIT**
[54] **DISPOSITIF DESTINE A UNE FIXATION DE SKI DE FOND COMPORTANT UN MODULE DE POINTE ET UN MODULE DE TALON**
[72] STEINKE, MARKUS, DE
[72] KREUZINGER, MICHAEL, DE
[73] STEINKE, MARKUS, DE
[86] (2955726)
[87] (2955726)
[22] 2017-01-23
[30] DE (10 2016 000 608.0) 2016-01-23

[11] **2,955,780**

[13] C

- [51] **Int.Cl. B63H 21/38 (2006.01) F01P 3/20 (2006.01) F01P 7/16 (2006.01) F01P 11/16 (2006.01) F28F 27/00 (2006.01)**
[25] EN
[54] **INTELLIGENT SEA WATER COOLING SYSTEM**
[54] **SYSTEME INTELLIGENT DE REFROIDISSEMENT D'EAU DE MER**
[72] YIN, DAN, US
[72] WERNER, STEFAN, DE
[72] MARTIN, CHRISTIAN, DE
[72] HOFFMAN, MARTIN, DE
[72] MCKINSTRY, DAVID, US
[73] CIRCOR PUMPS NORTH AMERICA, LLC, US
[85] 2017-01-19
[86] 2015-07-13 (PCT/US2015/040145)
[87] (WO2016/018601)
[30] US (14/449,298) 2014-08-01

[11] **2,955,824**

[13] C

- [51] **Int.Cl. B63H 21/38 (2006.01) F01P 3/20 (2006.01) F01P 7/16 (2006.01) F01P 11/16 (2006.01) F01P 11/18 (2006.01) F28F 27/00 (2006.01)**
[25] EN
[54] **INTELLIGENT SEAWATER COOLING SYSTEM**
[54] **SYSTEME DE REFROIDISSEMENT D'EAU DE MER INTELLIGENT**
[72] YIN, DAN, US
[72] WERNER, STEFAN, DE
[72] LEMCKE, SOEREN, DE
[73] CIRCOR PUMPS NORTH AMERICA, LLC, US
[85] 2017-01-19
[86] 2015-08-03 (PCT/US2015/043355)
[87] (WO2016/028474)
[30] US (62/040,089) 2014-08-21

**Canadian Patents Issued
February 26, 2019**

[11] **2,955,827**
[13] C

[51] **Int.Cl. H04W 24/08 (2009.01) H04B 7/0413 (2017.01)**
[25] EN
[54] **OTFS METHODS OF DATA CHANNEL CHARACTERIZATION AND USES THEREOF**
[54] **PROCEDES OTFS DE CARACTERISATION DE CANAL DE DONNEES ET LEURS UTILISATIONS**
[72] HADANI, RONNY, US
[72] RAKIB, SHLOMO SELIM, US
[73] COHERE TECHNOLOGIES, INC., US
[85] 2017-01-19
[86] 2015-07-21 (PCT/US2015/041420)
[87] (WO2016/014598)
[30] US (62/027,231) 2014-07-21
[30] US (14/583,911) 2014-12-29

[11] **2,955,873**
[13] C

[51] **Int.Cl. F16D 65/08 (2006.01) F16D 69/00 (2006.01)**
[25] EN
[54] **DRUM BRAKE**
[54] **FREIN A TAMBOUR**
[72] DREWES, OLAF, DE
[73] SAF-HOLLAND GMBH, DE
[85] 2017-01-20
[86] 2015-07-17 (PCT/EP2015/066410)
[87] (WO2016/012366)
[30] DE (102014214517.1) 2014-07-24

[11] **2,956,801**
[13] C

[51] **Int.Cl. H04W 12/08 (2009.01)**
[25] EN
[54] **MANAGING PRIVATE AND PUBLIC SERVICE SET UTILIZATION**
[54] **GESTION DE L'UTILISATION D'ENSEMBLES DE SERVICES PRIVES ET PUBLICS**
[72] BESTERMANN, JOHN RANDOLPH, US
[72] CARTER, WADE E., US
[72] LUMBATIS, KURT ALAN, US
[73] ARRIS ENTERPRISES LLC, US
[85] 2017-01-30
[86] 2015-07-30 (PCT/US2015/042856)
[87] (WO2016/022381)
[30] US (62/034,479) 2014-08-07
[30] US (14/813,534) 2015-07-30

[11] **2,957,289**
[13] C

[51] **Int.Cl. A47C 17/207 (2006.01) A47C 17/17 (2006.01) A47C 17/22 (2006.01)**
[25] EN
[54] **SEATING UNIT CONVERTIBLE TO BED**
[54] **UNITE D'ASSISE CONVERTIBLE EN LIT**
[72] MURPHY, MARCUS L., US
[73] ULTRA-MEK, INC., US
[85] 2017-02-03
[86] 2015-08-24 (PCT/US2015/046555)
[87] (WO2016/032965)
[30] US (62/041,264) 2014-08-25
[30] US (14/539,235) 2014-11-12

[11] **2,957,729**
[13] C

[51] **Int.Cl. A41C 1/08 (2006.01) A41D 1/00 (2018.01) A41D 1/06 (2006.01) A41D 1/14 (2006.01) A41D 1/22 (2018.01) A41D 27/00 (2006.01) A41D 27/02 (2006.01) A41D 27/20 (2006.01) A41F 9/00 (2006.01) A41F 9/02 (2006.01)**
[25] EN
[54] **GARMENT WITH MULTILAYER INTERNAL ABDOMINAL SUPPORT PANELS**
[54] **VETEMENT DOTE DE PANNEAUX DE SOUTIEN ABDOMINAL INTERNES MULTICOUCHES**
[72] ROUP, HERMAN, US
[73] TALON TECHNOLOGIES, INC., US
[85] 2017-02-08
[86] 2015-10-14 (PCT/US2015/055507)
[87] (WO2016/064636)
[30] US (62/067,949) 2014-10-23

[11] **2,957,906**
[13] C

[51] **Int.Cl. C07J 43/00 (2006.01) A61K 31/56 (2006.01) C07C 13/60 (2006.01) C07J 1/00 (2006.01) C07J 9/00 (2006.01) C07J 13/00 (2006.01) C07J 31/00 (2006.01) C07J 41/00 (2006.01)**
[25] EN
[54] **AMPHIPHILIC COMPOUNDS WITH NEUROPROTECTIVE PROPERTIES**
[54] **COMPOSES AMPHIPHILES DOTE DE PROPRIETES NEUROPROTECTRICES**
[72] KUDOVA, EVA, CZ
[72] CHODOUNSKA, HANA, CZ
[72] KAPRAS, VOJTECH, CZ
[72] VYKLIČKY, LADISLAV, CZ
[72] VALES, KAREL, CZ
[72] JAHN, ULLRICH, CZ
[73] USTAV ORGANICKE CHEMIE A BIOCHEMIE AV CR, V.V.I., CZ
[73] FYZIOLOGICKY USTAV AV CR, V.V.I., CZ
[85] 2017-02-10
[86] 2015-08-25 (PCT/CZ2015/000096)
[87] (WO2016/029888)
[30] CZ (PV 2014-575) 2014-08-26

[11] **2,958,205**
[13] C

[51] **Int.Cl. G06Q 40/00 (2012.01) G06Q 20/00 (2012.01)**
[25] EN
[54] **PAYROLL SYSTEM WITH FLEXIBLE DISBURSEMENT OPTIONS**
[54] **SYSTEME DE PAIE AYANT DES OPTIONS DE DEBOURSEMENT SOUPLES**
[72] PARENTO, STEPHEN A., US
[72] HYNES, RONALD CARL, US
[72] SAHGAL, SHEKHAR, US
[73] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2017-02-14
[86] 2015-07-24 (PCT/US2015/041994)
[87] (WO2016/025143)
[30] US (14/461,113) 2014-08-15

**Brevets canadiens délivrés
26 février 2019**

[11] **2,958,465**
[13] C

[51] **Int.Cl. E21B 43/10 (2006.01) E21B 33/13 (2006.01)**
[25] EN
[54] **LINER DRILLING USING RETRIEVABLE BOTTOM-HOLE ASSEMBLY**
[54] **FORAGE A COLONNE PERDUE UTILISANT UN ENSEMBLE DE FOND DE TROU RECUPERABLE**
[72] DE CLUTE-MELANCON, DANIEL AARON, GB
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-02-16
[86] 2014-10-08 (PCT/US2014/059712)
[87] (WO2016/057032)

[11] **2,958,531**
[13] C

[51] **Int.Cl. H04N 21/435 (2011.01)**
[25] EN
[54] **METHODS FOR PHONETIC INFORMATION SIGNALING**
[54] **PROCEDES DE SIGNALISATION D'INFORMATIONS PHONETIQUES**
[72] DESHPANDE, SACHIN G., US
[73] SHARP KABUSHIKI KAISHA, JP
[85] 2017-02-17
[86] 2015-09-24 (PCT/JP2015/004848)
[87] (WO2016/051736)
[30] US (62/059,704) 2014-10-03
[30] US (62/068,131) 2014-10-24

[11] **2,960,251**
[13] C

[51] **Int.Cl. A61B 17/34 (2006.01) A61B 17/02 (2006.01)**
[25] EN
[54] **MULTIPLE PORT SURGICAL ACCESS DEVICE**
[54] **DISPOSITIF D'ACCES POUR INSTRUMENT CHIRURGICAL A MULTIPLES ORIFICES**
[72] HESS, CHRISTOPHER J., US
[72] WIDENHOUSE, CHRISTOPHER W., US
[72] SHELTON, FREDERICK E., IV, US
[72] GILL, ROBERT P., US
[72] VOEGELE, JAMES W., US
[72] MURRAY, MICHAEL A., US
[72] WEISENBURGH, WILLIAM BRUCE, II, US
[73] ETHICON ENDO-SURGERY, INC., US
[86] (2960251)
[87] (2960251)
[22] 2009-09-29
[62] 2,680,944
[30] US (12/242,721) 2008-09-30

[11] **2,960,269**
[13] C

[51] **Int.Cl. E21B 33/13 (2006.01) C09K 8/42 (2006.01)**
[25] EN
[54] **TREATMENT OF SUBTERRANEAN FORMATIONS WITH SELF-HEALING RESINS**
[54] **TRAITEMENT DE FORMATIONS SOUTERRAINES A L'AIDE DE RESINES AUTOREPARATRICES**
[72] SALLA, RAJENDER, IN
[72] SHROFF RAMA, MALLIKARJUNA, IN
[72] PRAVESH, JAG, IN
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-03-03
[86] 2014-10-07 (PCT/US2014/059505)
[87] (WO2016/057027)

[11] **2,960,325**
[13] C

[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **OPTICAL FIBER CABLE, AND METHOD AND APPARATUS FOR MANUFACTURING OPTICAL FIBER CABLE**
[54] **CABLE A FIBRE OPTIQUE, ET METHODE ET APPAREIL DE FABRICATION DE CABLE A FIBRE OPTIQUE**
[72] ITO, NAOTO, JP
[72] OSATO, KEN, JP
[72] YAMANAKA, MASAYOSHI, JP
[72] OKADA, NAOKI, JP
[73] FUJIKURA LTD., JP
[85] 2017-03-09
[86] 2016-08-12 (PCT/JP2016/073723)
[87] (WO2017/047305)
[30] JP (2015-185293) 2015-09-18

[11] **2,960,613**
[13] C

[51] **Int.Cl. E21D 20/00 (2006.01)**
[25] EN
[54] **GANTRY AND QUICK CONNECT MECHANISM FOR INTERCHANGING DRILLING AND BOLTING ASSEMBLIES AND METHOD OF INTERCHANGING BOLTING ASSEMBLIES**
[54] **MECANISME DE SUPPORT MOBILE A RACCORD RAPIDE DESTINE A L'ECHANGE DE MECANISMES DE FORAGE ET VISSAGE ET METHODE D'ECHANGE DE MECANISMES DE VISSAGE**
[72] NELSON, YVES, CA
[73] 1311854 ONTARIO LIMITED, CA
[86] (2960613)
[87] (2960613)
[22] 2017-03-13
[30] US (62/415,375) 2016-10-31

**Canadian Patents Issued
February 26, 2019**

[11] **2,961,174**
[13] C

[51] **Int.Cl. E21B 33/12 (2006.01) C08L 21/00 (2006.01) E21B 23/06 (2006.01) E21B 33/128 (2006.01)**

[25] EN

[54] **DOWNHOLE TOOLS COMPRISING SEALING ELEMENTS COMPOSED OF ELASTOMER AND ANHYDROUS ACID PARTICLES**

[54] **OUTILS EN PROFONDEUR DE FORAGE COMPRENANT DES ELEMENTS D'ETANCHEITE COMPOSES D'ELASTOMERE ET DE PARTICULES D'ACIDE ANHYDRE**

[72] FRIPP, MICHAEL LINLEY, US
[72] WALTON, ZACHARY WILLIAM, US
[72] BEUTERBAUGH, AARON M., US
[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-03-10
[86] 2016-02-01 (PCT/US2016/015885)
[87] (WO2016/204822)

[30] US (PCT/US2015/035823) 2015-06-15
[30] US (PCT/US2015/035812) 2015-06-15
[30] US (PCT/US2015/067286) 2015-12-22

[11] **2,961,423**
[13] C

[51] **Int.Cl. F23G 5/44 (2006.01) F23G 5/00 (2006.01) F23H 1/02 (2006.01) F23H 7/00 (2006.01) F23H 7/02 (2006.01) F23H 7/04 (2006.01) F23H 15/00 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR PROCESSING SLAG OCCURRING IN A COMBUSTION CHAMBER OF A REFUSE INCINERATION PLANT**

[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT DE SCORIES PRODUITES DANS UNE CHAMBRE DE COMBUSTION D'UN INCINERATEUR DE DECHETS**

[72] BRENNWALD, WERNER, CH
[72] WIESENDORF, VOLKER, CH
[73] HITACHI ZOSEN INOVA AG, CH

[85] 2017-03-15
[86] 2015-07-06 (PCT/EP2015/065305)
[87] (WO2016/041652)

[30] EP (14003213.7) 2014-09-16

[11] **2,961,637**
[13] C

[51] **Int.Cl. B65C 3/18 (2006.01) A61B 90/90 (2016.01) B65C 9/06 (2006.01) B65C 9/26 (2006.01) B65C 9/46 (2006.01) A61M 5/178 (2006.01)**

[25] EN

[54] **SYRINGE LABELING DEVICE**

[54] **DISPOSITIF D'ETIQUETAGE DE SERINGUE**

[72] MCKINNON, AUSTIN JASON, US
[72] GISLER, SCOTT WILLIAM, US
[72] MCNEILL, PHILIP C., US
[72] KHURANA, RAHUL, US
[72] DAVIDOCK, DREW, US
[72] GRAF, ROBERT NICHOLAS, US
[72] VERMA, KAUSHAL, US
[72] STACEY, GARY, GB
[72] ROGERS, MARK, GB
[72] RIDLEY, MARK, GB
[72] STOCKS, DAVID, GB
[72] WARD, ALISTAIR, GB
[72] SCHOLAN, ANDREW, GB
[72] MARSHALL, KEITH, GB
[73] BECTON, DICKINSON AND COMPANY, US

[85] 2017-03-16
[86] 2015-10-08 (PCT/US2015/054624)
[87] (WO2016/057751)

[30] US (62/062,266) 2014-10-10

[11] **2,961,845**
[13] C

[51] **Int.Cl. B08B 9/04 (2006.01) E03C 1/302 (2006.01)**

[25] EN

[54] **DRAIN CLEANING DEVICE**

[54] **DISPOSITIF DE NETTOYAGE DE DRAIN**

[72] PENNY, JACK DANIEL, US
[73] SMART SNAKES LLC, US

[86] (2961845)
[87] (2961845)

[22] 2017-03-23
[30] US (62391475) 2016-05-02
[30] US (15189030) 2016-06-22

[11] **2,961,920**
[13] C

[51] **Int.Cl. H01R 13/6471 (2011.01) H01R 12/71 (2011.01) H01R 24/64 (2011.01)**

[25] EN

[54] **HIGH FREQUENCY RJ45 PLUG WITH NON-CONTINUOUS PLANES FOR CROSS TALK CONTROL**

[54] **FICHE RJ45 HAUTE FREQUENCE AVEC PLANS NON CONTINUS POUR COMMANDE DE DIAPHONIE**

[72] RAY, JOHN MICHAEL, US
[72] STIKELEATHER, DERRICK F., US
[72] TIMMINS, IAN J., US
[73] OPTICAL CABLE CORPORATION, US

[85] 2017-03-20
[86] 2015-09-23 (PCT/US2015/051680)
[87] (WO2016/053713)

[30] US (62/057,443) 2014-09-30
[30] US (14/598,793) 2015-01-16

[11] **2,962,201**
[13] C

[51] **Int.Cl. A61K 31/704 (2006.01) A23L 33/10 (2016.01) A23L 33/105 (2016.01) A61P 9/00 (2006.01) C07J 17/00 (2006.01)**

[25] EN

[54] **COMPOSITION FOR PREVENTING OR TREATING VASCULAR LEAK SYNDROME**

[54] **COMPOSITION DESTINEE A LA PREVENTION OU AU TRAITEMENT DU SYNDROME DE FUITE VASCULAIRE**

[72] KIM, HO MIN, KR
[72] KANG, JI IN, KR
[72] KIM, SUN CHANG, KR
[72] CUI, CHANG HAO, KR
[73] INTELLIGENT SYNTHETIC BIOLOGY CENTER, KR

[85] 2017-03-16
[86] 2016-05-19 (PCT/KR2016/005318)
[87] (WO2017/010673)

[30] KR (10-2015-0101239) 2015-07-16

**Brevets canadiens délivrés
26 février 2019**

[11] **2,962,366**
[13] C

[51] **Int.Cl. E21B 47/02 (2006.01) E21B 7/06 (2006.01) E21B 47/024 (2006.01)**

[25] EN

[54] **BEND ANGLE SENSING ASSEMBLY AND METHOD OF USE**

[54] **ENSEMBLE DE DETECTION D'ANGLE DE COURBURE ET SON PROCEDE D'UTILISATION**

[72] LANGE, GUSTAV EDWARD, CA
[72] KIRKHOPE, KENNEDY JOHN, CA
[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-03-21
[86] 2014-10-22 (PCT/US2014/061779)
[87] (WO2016/064386)

[11] **2,962,417**
[13] C

[51] **Int.Cl. A61M 25/088 (2006.01) A61F 2/04 (2013.01) A61M 25/00 (2006.01) A61M 25/09 (2006.01) A61F 2/95 (2013.01)**

[25] EN

[54] **INTRAGASTRIC DEVICE FOR TREATING OBESITY**

[54] **DISPOSITIF INTRAGASTRIQUE POUR TRAITER L'OBESITE**

[72] BASUDE, RAGHUVEER, US
[72] SHARMA, VIRENDER K., US
[73] SYNERZ MEDICAL, INC., US

[85] 2017-03-23
[86] 2015-09-23 (PCT/US2015/051668)
[87] (WO2016/049149)
[30] US (62/054,230) 2014-09-23
[30] US (62/158,406) 2015-05-07

[11] **2,962,809**
[13] C

[51] **Int.Cl. G01N 21/89 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR COLOR SCANNING A MOVING ARTICLE**

[54] **SYSTEME ET METHODE DE NUMERISATION COULEUR D'UN ARTICLE EN MOUVEMENT**

[72] LEGROS, YVON, CA
[72] GAGNON, RICHARD, CA
[73] CENTRE DE RECHERCHE INDUSTRIELLE DU QUEBEC, CA

[86] (2962809)
[87] (2962809)
[22] 2017-03-31

[11] **2,963,554**
[13] C

[51] **Int.Cl. A61K 31/795 (2006.01) A61K 9/08 (2006.01) A61K 31/715 (2006.01) A61P 19/02 (2006.01)**

[25] EN

[54] **POLYMER SOLUTION FOR VISCO-SUPPLEMENTATION**

[54] **SOLUTION DE POLYMERE DESTINEE A LA VISCO-SUPPLEMENTATION**

[72] VOGT, SEBASTIAN, DE
[72] KLUGE, THOMAS, DE
[73] HERAEUS MEDICAL GMBH, DE

[86] (2963554)
[87] (2963554)
[22] 2017-04-06
[30] DE (10 2016 208 567.0) 2016-05-19

[11] **2,964,124**
[13] C

[51] **Int.Cl. B60N 2/42 (2006.01) A47D 1/10 (2006.01) A47D 13/02 (2006.01)**

[25] EN

[54] **REAR FACING RIDE DOWN SAFETY SEAT**

[54] **SIEGE DE SECURITE INCLINABLE TOURNE VERS L'ARRIERE**

[72] CLEMENT, DAVID, US
[73] DIONO, LLC, US

[85] 2017-04-07
[86] 2015-10-27 (PCT/US2015/057650)
[87] (WO2016/069646)
[30] US (14/528,627) 2014-10-30

[11] **2,964,310**
[13] C

[51] **Int.Cl. C12M 1/34 (2006.01) G01N 27/22 (2006.01)**

[25] EN

[54] **REACTANCE AND CAPACITANCE SENSING PLATFORM FOR DETECTING MICROORGANISMS**

[54] **PLATE-FORME DE DETECTION DE REACTANCE ET DE CAPACITE POUR DETECTER DES MICRO-ORGANISMES**

[72] BEATY, PATRICK SHAWN, US
[72] BRASCH, MICHAEL A., US
[72] HOSMANE, SUNEIL, US
[72] POLLEY, DAVID, US
[72] ROSALES, JULIE L., US
[72] SMITH, KERRY LYNN, US
[73] BECTON, DICKINSON AND COMPANY, US

[85] 2017-04-10
[86] 2015-10-14 (PCT/US2015/055501)
[87] (WO2016/064635)
[30] US (62/063,602) 2014-10-14

[11] **2,964,507**
[13] C

[51] **Int.Cl. C08L 95/00 (2006.01) C04B 26/04 (2006.01) C04B 26/26 (2006.01) C08J 3/20 (2006.01) C08K 5/17 (2006.01) C08L 31/04 (2006.01) C08L 53/02 (2006.01)**

[25] EN

[54] **FUEL-RESISTANT LIQUID ASPHALT BINDERS AND METHODS OF MAKING THE SAME**

[54] **LIANTS ROUTIERS LIQUIDES RESISTANT AUX CARBURANTS ET LEURS PROCEDES DE PREPARATION**

[72] CORUN, RONALD, US
[73] ASSOCIATED ASPHALT MARKETING, LLC, US

[85] 2017-04-13
[86] 2015-10-09 (PCT/US2015/054946)
[87] (WO2016/060958)
[30] US (14/515,202) 2014-10-15

**Canadian Patents Issued
February 26, 2019**

[11] **2,965,164**
[13] C

[51] **Int.Cl. E06B 7/21 (2006.01) E06B 7/20 (2006.01)**
[25] EN
[54] **SELF-LIFTING SEALING APPARATUS FOR THE BOTTOM EDGE OF A DOOR**
[54] **APPAREIL D'ETANCHEISATION A RELEVEMENT AUTOMATIQUE DESTINE AU BORD DE BAS D'UNE PORTE**
[72] MENG, CHEN YUAN, CN
[73] CMECH (GUANGZHOU), LTD., CN
[86] (2965164)
[87] (2965164)
[22] 2017-04-25
[30] US (15/138,590) 2016-04-26

[11] **2,965,715**
[13] C

[51] **Int.Cl. G06F 16/11 (2019.01) G06F 16/16 (2019.01) G06F 16/18 (2019.01) G06F 11/14 (2006.01)**
[25] EN
[54] **DATA PROCESSING METHOD, APPARATUS, AND SYSTEM**
[54] **PROCEDE, APPAREIL ET SYSTEME DE TRAITEMENT DE DONNEES**
[72] FANG, XIN, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-04-25
[86] 2014-12-27 (PCT/CN2014/095223)
[87] (WO2016/101283)

[11] **2,965,763**
[13] C

[51] **Int.Cl. F02B 63/04 (2006.01) B60K 25/00 (2006.01) F02B 61/06 (2006.01) F16D 3/12 (2006.01) F16D 3/76 (2006.01)**
[25] EN
[54] **POWER GENERATION SYSTEM AND METHOD FOR ASSEMBLING THE SAME**
[54] **SYSTEME DE GENERATION DE PUISSANCE ET PROCEDE D'ASSEMBLAGE ASSOCIE**
[72] WOLFF, BRUCE ERNEST RICHARD, US
[72] BERRY, DOUGLAS EDWIN, US
[72] BOWDICH, MARK DANIEL, US
[72] KRAMER, GERHARD, DE
[72] WOODRUFF, SCOTT DANIEL, US
[73] MTU AMERICA INC., US
[86] (2965763)
[87] (2965763)
[22] 2010-05-20
[62] 2,762,167
[30] US (12/470209) 2009-05-21

[11] **2,966,158**
[13] C

[51] **Int.Cl. B21F 3/04 (2006.01)**
[25] EN
[54] **INSTALLATION AND METHOD FOR WINDING AN ELONGATED FLEXIBLE INDUCTOR**
[54] **INSTALLATION ET METHODE D'ENROULEMENT D'UN INDUCTEUR FLEXIBLE ALLONGE**
[72] ROJAS CUEVAS, ANTONIO, ES
[72] NAVARRO PEREZ, FRANCISCO EZEQUIEL, ES
[72] CANETE CABEZA, CLAUDIO, ES
[72] GARCIA VACAS, FRANCISCO, ES
[73] PREMO, S.L., ES
[86] (2966158)
[87] (2966158)
[22] 2017-05-04
[30] EP (EP16380019) 2016-05-05

[11] **2,967,234**
[13] C

[51] **Int.Cl. A61B 50/30 (2016.01) A61B 50/33 (2016.01) A61F 2/00 (2006.01) A61F 2/24 (2006.01)**
[25] EN
[54] **DRY PROSTHETIC HEART VALVE PACKAGING SYSTEM**
[54] **SYSTEME D'EMBALLAGE DE VALVULE CARDIAQUE PROTHETIQUE SEC**
[72] LIBURD, GREGORY G., US
[72] GAUTAM, ABHISHEK, US
[73] EDWARDS LIFESCENCES CORPORATION, US
[86] (2967234)
[87] (2967234)
[22] 2011-03-03
[62] 2,790,686
[30] US (61/310,851) 2010-03-05
[30] US (13/039,166) 2011-03-02

[11] **2,967,594**
[13] C

[51] **Int.Cl. B42D 15/02 (2006.01)**
[25] EN
[54] **HINGED GREETING CARDS AND GIFT CARD HOLDERS**
[54] **CARTES DE SOUHAITS A CHARNIERE ET SUPPORTS DE CARTE DE SOUHAITS**
[72] MCCLAIN, MARY, US
[72] HIGGINS, SEAN, US
[72] DOVE, JASON, US
[73] AMERICAN GREETINGS CORPORATION, US
[86] (2967594)
[87] (2967594)
[22] 2017-05-17
[30] US (62/339,888) 2016-05-22
[30] US (15/592,518) 2017-05-11

**Brevets canadiens délivrés
26 février 2019**

[11] **2,967,833**
[13] C

[51] **Int.Cl. G01C 17/38 (2006.01) G01S 19/05 (2010.01) F41G 3/06 (2006.01) F41G 11/00 (2006.01)**
[25] EN
[54] **OPTOELECTRONIC MEASURING DEVICE HAVING MAGNETIC COMPASS AND COMPENSATION FUNCTIONALITY**
[54] **DISPOSITIF DE MESURE OPTOELECTRONIQUE COMPORTANT UNE BOUSSOLE MAGNETIQUE ET UNE FONCTIONNALITE DE COMPENSATION**
[72] ANNEN, IVO, CH
[72] GNEPF, SILVIO, CH
[73] SAFRAN VECTRONIX AG, CH
[86] (2967833)
[87] (2967833)
[22] 2017-05-19
[30] EP (16171143.7) 2016-05-24

[11] **2,967,960**
[13] C

[51] **Int.Cl. B03B 9/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR RECOVERING METALS FROM A WASTE STREAM**
[54] **SYSTEME ET PROCEDE DE RECUPERATION DE METAUX DANS UN FLUX DE DECHETS**
[72] VALERIO, THOMAS, US
[73] TAV HOLDINGS, INC., US
[85] 2016-11-21
[86] 2015-05-22 (PCT/US2015/032176)
[87] (WO2015/179762)
[30] US (62/002,049) 2014-05-22

[11] **2,967,987**
[13] C

[51] **Int.Cl. B64C 11/26 (2006.01) B64F 5/10 (2017.01) B29C 70/34 (2006.01) B32B 27/04 (2006.01) B32B 27/18 (2006.01) B32B 37/06 (2006.01) B64C 27/473 (2006.01)**
[25] FR
[54] **THERMOPLASTIC VANE AND PROCESS**
[54] **PROCEDE ET PALE THERMOPLASTIQUE**
[72] BOSCHET, PATRICK, FR
[73] AIRBUS HELICOPTERS, FR
[86] (2967987)
[87] (2967987)
[22] 2017-05-19
[30] FR (1600841) 2016-05-25

[11] **2,968,003**
[13] C

[51] **Int.Cl. H01Q 9/42 (2006.01) H01Q 5/25 (2015.01) H01Q 1/44 (2006.01)**
[25] EN
[54] **BROADBAND ANTENNA IN THE CRASH PAD FOR VEHICLE**
[54] **ANTENNE LARGE BANDE DESTINEE AU COUSSIN GONFLABLE D'UN VEHICULE**
[72] YANG, TAE HOON, KR
[72] CHO, SUNG MIN, KR
[72] JU, SANG A., KR
[72] YU, BYEONG CHAN, KR
[72] LIM, SANG HOON, KR
[72] HWANG, JIN KYU, KR
[73] INFAC ELECS CO., LTD., KR
[86] (2968003)
[87] (2968003)
[22] 2017-05-24
[30] KR (10-2016-0067483) 2016-05-31

[11] **2,968,181**
[13] C

[51] **Int.Cl. A01C 7/20 (2006.01) A01C 5/06 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **QUICK DEPTH ADJUSTMENT FOR PARALLEL ARM OPENERS**
[54] **AJUSTEMENT DE PROFONDEUR RAPIDE D'OUVRE-BRAS PARALLELES**
[72] JAGOW, SCOT, CA
[73] BOURGAULT INDUSTRIES LTD., CA
[86] (2968181)
[87] (2968181)
[22] 2017-05-24

[11] **2,968,183**
[13] C

[51] **Int.Cl. B62D 11/20 (2006.01) B62D 55/07 (2006.01)**
[25] EN
[54] **DRIVE TRACK AND DRIVE SPROCKET FOR A VEHICLE**
[54] **CHENILLE ET PIGNON A CHAINE D'ENTRAINEMENT DESTINES A UN VEHICULE**
[72] PARD, JEAN-SEBASTIEN, CA
[73] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[86] (2968183)
[87] (2968183)
[22] 2014-03-28
[62] 2,908,203
[30] US (61/806,363) 2013-03-28

[11] **2,969,504**
[13] C

[51] **Int.Cl. G02F 1/025 (2006.01)**
[25] EN
[54] **OPTICAL MODULATOR**
[54] **MODULATEUR OPTIQUE**
[72] TSUZUKI, KEN, JP
[72] KAMEI, SHIN, JP
[72] JIZODO, MAKOTO, JP
[73] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP
[85] 2017-06-01
[86] 2015-12-08 (PCT/JP2015/006112)
[87] (WO2016/092829)
[30] JP (2014-249405) 2014-12-09

[11] **2,969,727**
[13] C

[51] **Int.Cl. B60C 11/03 (2006.01)**
[25] EN
[54] **PNEUMATIC TIRE**
[54] **PNEUMATIQUE**
[72] FUJIOKA, TSUYOSHI, JP
[73] TOYO TIRE & RUBBER CO., LTD., JP
[86] (2969727)
[87] (2969727)
[22] 2017-06-05
[30] JP (2016-130527) 2016-06-30

[11] **2,969,737**
[13] C

[51] **Int.Cl. B60C 11/11 (2006.01)**
[25] EN
[54] **PNEUMATIC TIRE**
[54] **PNEUMATIQUE**
[72] FUJIOKA, TSUYOSHI, JP
[73] TOYO TIRE & RUBBER CO., LTD., JP
[86] (2969737)
[87] (2969737)
[22] 2017-06-05
[30] JP (2016-130572) 2016-06-30

[11] **2,969,747**
[13] C

[51] **Int.Cl. B60C 11/03 (2006.01)**
[25] EN
[54] **PNEUMATIC TIRE**
[54] **PNEUMATIQUE**
[72] FUJIOKA, TSUYOSHI, JP
[73] TOYO TIRE & RUBBER CO., LTD., JP
[86] (2969747)
[87] (2969747)
[22] 2017-06-05
[30] JP (2016-130536) 2016-06-30

Canadian Patents Issued
February 26, 2019

[11] **2,969,752**
[13] C
[51] **Int.Cl. B60C 11/03 (2006.01)**
[25] EN
[54] **PNEUMATIC TIRE**
[54] **PNEUMATIQUE**
[72] FUJIOKA, TSUYOSHI, JP
[73] TOYO TIRE & RUBBER CO., LTD., JP
[86] (2969752)
[87] (2969752)
[22] 2017-06-05
[30] JP (2016-130532) 2016-06-30

[11] **2,970,190**
[13] C
[51] **Int.Cl. B64C 1/00 (2006.01) B64C 17/06 (2006.01) B64D 3/00 (2006.01) B64C 3/16 (2006.01) F41J 9/10 (2006.01)**
[25] EN
[54] **AERODYNAMICALLY SHAPED, ACTIVE TOWED BODY**
[54] **CORPS REMORQUE ACTIF DE FORME AERODYNAMIQUE**
[72] HERBER, ANDREAS, DE
[72] KALMBACH, DIRK, DE
[72] GERDES, RUDIGER, DE
[72] BAYER, HANS-JORG, DE
[73] ALFRED-WEGENER-INSTITUT, DE
[85] 2017-06-08
[86] 2015-12-04 (PCT/DE2015/000576)
[87] (WO2016/095886)
[30] DE (10 2014 018 857.4) 2014-12-15

[11] **2,970,594**
[13] C
[51] **Int.Cl. B62D 65/00 (2006.01) B23P 21/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR ASSEMBLING AUTOMOBILE BODY**
[54] **PROCEDE ET DISPOSITIF D'ASSEMBLAGE DE CARROSSERIE D'AUTOMOBILE**
[72] HADA, KAZUHISA, JP
[72] AKAMI, KAZUKI, JP
[72] SHIMOYAMA, MASAO, JP
[73] HONDA MOTOR CO., LTD., JP
[85] 2017-06-12
[86] 2015-12-03 (PCT/JP2015/084018)
[87] (WO2016/104097)
[30] JP (2014-264155) 2014-12-26

[11] **2,971,062**
[13] C
[51] **Int.Cl. C12N 5/0775 (2010.01) C12N 5/073 (2010.01) C12N 5/077 (2010.01) A61K 35/28 (2015.01)**
[25] EN
[54] **ISOLATION OF STEM/PROGENITOR CELLS FROM AMNIOTIC MEMBRANE OF UMBILICAL CORD**
[54] **ISOLEMENT DE CELLULES SOUCHES/PROGENITRICES ISSUES DE LA MEMBRANE AMNIOTIQUE DU CORDON OMBILICAL**
[72] PHAN, TOAN-THANG, SG
[72] LIM, IVOR JIUN, SG
[73] CELLRESEARCH CORPORATION PTE LTD, SG
[86] (2971062)
[87] (2971062)
[22] 2005-06-03
[62] 2,577,447
[30] US (60/602,208) 2004-08-16
[30] US (60/632,209) 2004-12-01

[11] **2,971,351**
[13] C
[51] **Int.Cl. G01N 27/416 (2006.01) G01N 27/327 (2006.01) G01N 27/333 (2006.01)**
[25] EN
[54] **CREATININE BIOSENSOR AND METHOD OF USING THE SAME**
[54] **BIO-CAPTEUR DE CREATININE ET SON PROCEDE D'UTILISATION**
[72] ZHANG, WEI, US
[72] ZHANG, JINGZHONG, US
[73] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[85] 2017-03-06
[86] 2015-09-01 (PCT/US2015/047895)
[87] (WO2016/040048)
[30] US (62/047,314) 2014-09-08

[11] **2,971,711**
[13] C
[51] **Int.Cl. F03B 15/16 (2006.01) F03B 15/14 (2006.01) F03B 17/06 (2006.01)**
[25] FR
[54] **CONTROL SYSTEM FOR FLOW OF TURBINED WATER FROM A PLURALITY OF HYDROELECTRIC PLANTS**
[54] **SYSTEME DE PILOTAGE DE DEBIT D'EAU TURBINEE D'UNE PLURALITE D'USINES HYDROELECTRIQUES**
[72] DEPRUGNEY, LUC, FR
[72] ZARATE, JENNIFER, FR
[72] ROBERT, GERARD, FR
[73] ELECTRICITE DE FRANCE, FR
[85] 2017-06-20
[86] 2015-12-22 (PCT/FR2015/053707)
[87] (WO2016/102880)
[30] FR (1463076) 2014-12-22

[11] **2,971,847**
[13] C
[51] **Int.Cl. E21B 33/12 (2006.01) E21B 33/13 (2006.01)**
[25] EN
[54] **TRACKING AND MEASUREMENTS ASSOCIATED WITH CEMENT PLUGS**
[54] **SUIVI ET MESURES ASSOCIES A DES BOUCHONS DE CIMENT**
[72] DIRKSEN, RONALD JOHANNES, US
[72] JONES, DAVID LEONWILL, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-06-21
[86] 2015-02-12 (PCT/US2015/015545)
[87] (WO2016/130124)

**Brevets canadiens délivrés
26 février 2019**

[11] **2,972,132**
[13] C

[51] **Int.Cl. F23C 13/06 (2006.01) C01B 3/32 (2006.01) C01B 3/38 (2006.01) F23C 7/06 (2006.01) F23L 15/00 (2006.01) F23N 3/00 (2006.01)**

[25] EN
[54] **HEAT AND HYDROGEN GENERATION DEVICE**
[54] **DISPOSITIF DE PRODUCTION DE CHALEUR ET D'HYDROGENE**

[72] TAKESHIMA, SHINICHI, JP
[72] NISHIOKA, HIROMASA, JP
[72] FUJIWARA, KIYOSHI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP

[86] (2972132)
[87] (2972132)
[22] 2017-06-28
[30] JP (2016-132334) 2016-07-04

[11] **2,972,134**
[13] C

[51] **Int.Cl. F23C 13/06 (2006.01) C01B 3/32 (2006.01) C01B 3/38 (2006.01) F23C 7/06 (2006.01) F23L 15/00 (2006.01) F23N 3/00 (2006.01)**

[25] EN
[54] **HEAT AND HYDROGEN GENERATION DEVICE**
[54] **DISPOSITIF DE PRODUCTION DE CHALEUR ET D'HYDROGENE**

[72] TAKESHIMA, SHINICHI, JP
[72] NISHIOKA, HIROMASA, JP
[72] FUJIWARA, KIYOSHI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP

[86] (2972134)
[87] (2972134)
[22] 2017-06-28
[30] JP (2016-132348) 2016-07-04

[11] **2,972,335**
[13] C

[51] **Int.Cl. F21V 33/00 (2006.01) A47G 19/22 (2006.01) F21S 9/00 (2006.01) F21V 3/00 (2015.01) F21V 8/00 (2006.01)**

[25] EN
[54] **LUMINOUS BASE**
[54] **BASE LUMINEUSE**

[72] KUO, CHIA-SHIN, TW
[72] KUO, YU-FENG, TW
[73] SAN HO ENTERPRISE CO., LTD., TW

[86] (2972335)
[87] (2972335)
[22] 2017-07-04
[30] TW (105210467) 2016-07-12

[11] **2,972,523**
[13] C

[51] **Int.Cl. A47B 57/48 (2006.01) A47B 57/40 (2006.01) A47B 96/06 (2006.01) A47F 5/00 (2006.01) B65G 1/04 (2006.01)**

[25] EN
[54] **MOUNTING DEVICE AND METHOD FOR CONNECTING TWO SUPPORT BEAMS**
[54] **DISPOSITIF D'INSTALLATION ET METHODE DE CONNEXION DE DEUX POUTRES DE SOUTIEN**

[72] LAPLACE, JEAN MICHEL, FR
[73] INTERROLL HOLDING AG, CH

[86] (2972523)
[87] (2972523)
[22] 2017-06-30
[30] EP (16290126.8) 2016-07-01

[11] **2,973,046**
[13] C

[51] **Int.Cl. E04G 9/10 (2006.01) E04G 11/06 (2006.01)**

[25] EN
[54] **ATTACHMENT FOR A FORMWORK AND FORMWORK HAVING AN ATTACHMENT ELEMENT**
[54] **ELEMENT RAPPORTE POUR COFFRAGE ET COFFRAGE MUNI D'UN ELEMENT RAPPORTE**

[72] SCHNEIDER, WERNER, DE
[72] RENZ, BERND, DE
[73] PERI GMBH, DE

[85] 2017-07-05
[86] 2016-02-15 (PCT/EP2016/053112)
[87] (WO2016/131746)
[30] DE (10 2015 202 933.6) 2015-02-18

[11] **2,973,479**
[13] C

[51] **Int.Cl. A61B 34/20 (2016.01) A61B 34/10 (2016.01) G06T 7/30 (2017.01) G16H 30/20 (2018.01) A61B 5/055 (2006.01) A61B 6/03 (2006.01) A61B 8/13 (2006.01)**

[25] EN
[54] **SYSTEM AND METHOD FOR MAPPING NAVIGATION SPACE TO PATIENT SPACE IN A MEDICAL PROCEDURE**
[54] **SYSTEME ET PROCEDE DE MISE EN CORRESPONDANCE D'UN ESPACE DE NAVIGATION AVEC L'ESPACE PATIENT AU COURS D'UN ACTE MEDICAL**

[72] SELA, GAL, CA
[72] LUI, DOROTHY, CA
[72] PANTHER, ALEXANDER GYLES, CA

[72] DYER, KELLY NOEL, CA
[73] SYNAPTIVE MEDICAL (BARBADOS) INC., BB

[85] 2017-07-11
[86] 2015-07-21 (PCT/CA2015/050677)
[87] (WO2017/011892)

[11] **2,973,692**
[13] C

[51] **Int.Cl. C09K 8/60 (2006.01) C09K 8/035 (2006.01) E21B 43/22 (2006.01)**

[25] EN
[54] **CROSSLINKED POLYMER COMPOSITIONS WITH TWO CROSSLINKERS FOR USE IN SUBTERRANEAN FORMATION OPERATIONS**
[54] **COMPOSITIONS DE POLYMERES RETICULE COMPORTANT DEUX AGENTS DE RETICULATION UTILISEES DANS DES OPERATIONS DANS UNE FORMATION SOUTERRAINE**

[72] ZHA, WEIBIN, US
[72] ZHOU, HUI, US
[72] GALINDO, KAY A., US
[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-07-12
[86] 2015-02-23 (PCT/US2015/017094)
[87] (WO2016/137433)

**Canadian Patents Issued
February 26, 2019**

[11] **2,974,663**
[13] C

[51] **Int.Cl. B65D 25/00 (2006.01)**
[25] EN
[54] **CASSETTE AND APPARATUS FOR PACKING DISPOSABLE OBJECTS INTO AN ELONGATED TUBE OF FLEXIBLE MATERIAL**

[54] **CARTOUCHE ET APPAREIL D'EMBALLAGE D'OBJETS JETABLES DANS UN TUBE DE MATIERE SOUPLE**

[72] MORAND, MICHEL, CA
[73] ANGELCARE DEVELOPMENT INC., CA

[86] (2974663)
[87] (2974663)
[22] 2008-10-03
[62] 2,936,402
[30] EP (07019571.4) 2007-10-05

[11] **2,974,751**
[13] C

[51] **Int.Cl. A47J 43/00 (2006.01) A47J 44/00 (2006.01) B26D 1/14 (2006.01)**

[25] EN
[54] **SLICING DISC ASSEMBLY FOR FOOD PROCESSOR**

[54] **ASSEMBLAGE DE DISQUE COULISSANT DESTINE A UN ROBOT CULINAIRE**

[72] ZAKOWSKI, JOSEPH W., US
[72] FUNG, KAM FAI, US
[73] CONAIR CORPORATION, US

[86] (2974751)
[87] (2974751)
[22] 2017-07-27
[30] US (15/234115) 2016-08-11

[11] **2,976,019**
[13] C

[51] **Int.Cl. C22B 5/00 (2006.01) C22B 3/44 (2006.01) C22B 11/00 (2006.01)**

[25] EN
[54] **METHOD FOR PRODUCING ELEMENTAL RHODIUM**

[54] **METHODE DE PRODUCTION DE RHODIUM ELEMENTAIRE**

[72] STETTNER, MARTIN, DE
[72] THIEL, VASCO, DE
[72] FUCHS ALAMEDA, STEFANIE, DE
[72] VOSS, STEFFEN, DE
[73] HERAEUS DEUTSCHLAND GMBH & CO. KG, DE

[85] 2017-08-08
[86] 2016-02-01 (PCT/EP2016/052045)
[87] (WO2016/139020)
[30] EP (15157697.2) 2015-03-05

[11] **2,976,407**
[13] C

[51] **Int.Cl. A47B 31/00 (2006.01) A47B 57/12 (2006.01) A47B 75/00 (2006.01) A47B 81/04 (2006.01)**

[25] EN
[54] **TRAY SUPPORT SYSTEM**

[54] **SYSTEME DE SUPPORT DE PLATEAUX**

[72] KABACINSKI, ANDRE F., US
[72] MERRITT, MICHAEL A., US
[72] KAMINSKI, DOUGLAS J., US
[73] INTERMETRO INDUSTRIES CORPORATION, US

[85] 2017-08-10
[86] 2016-02-12 (PCT/US2016/017767)
[87] (WO2016/130925)
[30] US (62/116,104) 2015-02-13
[30] US (62/127,001) 2015-03-02

[11] **2,976,539**
[13] C

[51] **Int.Cl. B65G 69/30 (2006.01) B65G 69/28 (2006.01)**

[25] EN
[54] **CONTAINER RAMP**

[54] **RAMPE DE CONTENEUR**

[72] MERZ, FRIEDRICH, CA
[73] MERZ, FRIEDRICH, CA

[86] (2976539)
[87] (2976539)
[22] 2017-08-16
[30] US (15239459) 2016-08-17

[11] **2,976,573**
[13] C

[51] **Int.Cl. A61B 34/20 (2016.01) A61B 34/10 (2016.01) G06T 7/30 (2017.01)**

[25] EN
[54] **METHODS FOR IMPROVING PATIENT REGISTRATION**

[54] **METHODES DESTINEES A L'AMELIORATION DE L'ADMISSION DES PATIENTS**

[72] LUI, DOROTHY, CA
[72] SELA, GAL, CA
[72] SIAL, AISHA, CA
[72] MOVAGHATI, SEPIDE, CA
[72] SRIMOHANARAJAH, KIRUSHA, CA
[72] CHEN, SEAN, CA
[72] ALEXANDER, SIMON, CA
[72] WITCOMB, NEIL, CA
[73] SYNAPTIVE MEDICAL (BARBADOS) INC., BB

[85] 2017-08-17
[86] 2016-05-02 (PCT/CA2016/050506)
[87] (WO2017/190210)

[11] **2,976,643**
[13] C

[51] **Int.Cl. B62D 17/00 (2006.01)**

[25] EN
[54] **INDEXABLE SYSTEM FOR SELECT WHEEL ALIGNMENT CORRECTION**

[54] **SYSTEME INDEXABLE PERMETTANT DE SELECTIONNER LA CORRECTION DE L'ALIGNEMENT DES ROUES**

[72] MERRILL, ZACHARY ALEXANDER, US
[72] HANLON, MATTHEW J., US
[73] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR

[85] 2017-08-14
[86] 2015-03-10 (PCT/US2015/019633)
[87] (WO2016/144328)

[11] **2,976,901**
[13] C

[51] **Int.Cl. H01L 39/10 (2006.01) H01L 39/22 (2006.01)**

[25] EN
[54] **SYSTEMS, METHODS AND APPARATUS FOR ACTIVE COMPENSATION OF QUANTUM PROCESSOR ELEMENTS**

[54] **SYSTEMES, PROCEDES ET APPAREIL PERMETTANT UNE COMPENSATION ACTIVE D'ELEMENTS DE PROCESSEUR QUANTIQUE**

[72] HARRIS, RICHARD, CA
[72] BERKLEY, ANDREW, CA
[72] JOHANSSON, JAN, CA
[72] JOHNSON, MARK, CA
[72] BUNYK, PAUL, CA
[72] AMIN, MOHAMMAD, CA
[73] D-WAVE SYSTEMS INC., CA

[86] (2976901)
[87] (2976901)
[22] 2009-09-03
[62] 2,736,116
[30] US (61/094,002) 2008-09-03

**Brevets canadiens délivrés
26 février 2019**

[11] **2,977,364**

[13] C

- [51] **Int.Cl. E21B 17/01 (2006.01)**
[25] EN
[54] **DRILLING RISER WITH
DISTRIBUTED BUOYANCY**
[54] **COLONNE MONTANTE DE
FORAGE A FLOTTABILITE
REPARTIE**
[72] HALLAI, JULIAN DE FREITAS, US
[72] FENZ, DANIEL M., US
[73] EXXONMOBIL UPSTREAM
RESEARCH COMPANY, US
[85] 2017-08-21
[86] 2016-02-05 (PCT/US2016/016701)
[87] (WO2016/137718)
[30] US (62/121,065) 2015-02-26
[30] US (62/270,326) 2015-12-21

[11] **2,977,483**

[13] C

- [51] **Int.Cl. F24F 11/58 (2018.01) F24F
11/62 (2018.01) F24F 11/72 (2018.01)**
[25] EN
[54] **VARIABLE AIR VOLUME
MODELING FOR AN HVAC
SYSTEM**
[54] **MODELISATION D'UN VOLUME
D'AIR VARIABLE POUR UN
SYSTEME HVAC**
[72] COWAN, ROBERT J., US
[72] RAYMUNDO, ROBERTITO, US
[72] WALKER, JAMES JOHN, US
[72] AHMED, OSMAN, US
[73] SIEMENS INDUSTRY, INC., US
[85] 2017-08-22
[86] 2016-02-24 (PCT/US2016/019317)
[87] (WO2016/138107)
[30] US (62/120,218) 2015-02-24
[30] US (14/871,651) 2015-09-30

[11] **2,977,807**

[13] C

- [51] **Int.Cl. H04L 12/58 (2006.01) H04L
9/00 (2006.01)**
[25] EN
[54] **TECHNIQUE FOR DETECTING
SUSPICIOUS ELECTRONIC
MESSAGES**
[54] **TECHNIQUE DE DETECTION DE
MESSAGES ELECTRONIQUES
SUSPECTS**
[72] HAGER, MARTIN, DE
[72] GRAUVOGL, MICHAEL, DE
[73] RETARUS GMBH, DE
[86] (2977807)
[87] (2977807)
[22] 2017-08-30
[30] EP (16 189 472.0) 2016-09-19

[11] **2,979,887**

[13] C

- [51] **Int.Cl. H05B 37/02 (2006.01) F21K
9/232 (2016.01) F21K 9/238 (2016.01)
F21K 9/65 (2016.01) F21S 10/02
(2006.01) F21V 23/04 (2006.01)**
[25] EN
[54] **LIGHT EMITTING DIODE (LED)
LIGHTING DEVICE OR LAMP
WITH CONFIGURABLE LIGHT
QUALITIES**
[54] **LAMPE OU DISPOSITIF
D'ECLAIRAGE A DIODE
ELECTROLUMINESCENTE (DEL)
A CARACTERISTIQUES
D'ECLAIRAGE CONFIGURABLES**
[72] HALLIWELL, BRIAN, US
[73] FEIT ELECTRIC COMPANY, INC.,
US
[86] (2979887)
[87] (2979887)
[22] 2017-09-22
[30] US (15/274,575) 2016-09-23

[11] **2,980,017**

[13] C

- [51] **Int.Cl. B63B 35/44 (2006.01) B63B
17/00 (2006.01) B63B 25/18 (2006.01)
B63C 5/02 (2006.01) E02B 17/00
(2006.01) E21B 15/02 (2006.01) E21B
17/01 (2006.01)**
[25] EN
[54] **SELF POSITIONING FLOATING
PLATFORM AND METHOD OF
USE**
[54] **PLATE-FORME FLOTTANTE A
POSITIONNEMENT
AUTOMATIQUE ET PROCEDE
D'UTILISATION**
[72] ROPER, RICHARD ROBERT, US
[72] STEWART, CHRISTOPHER SCOTT,
US
[72] ALCORN, JUSTIN DOW, US
[72] LEPPARD, STEVEN ANDREW, US
[73] ENSCO INTERNATIONAL
INCORPORATED, US
[85] 2017-09-15
[86] 2016-03-18 (PCT/US2016/023222)
[87] (WO2016/154035)
[30] US (14/663,698) 2015-03-20

[11] **2,980,573**

[13] C

- [51] **Int.Cl. C25B 15/02 (2006.01) C01B
3/02 (2006.01) C02F 11/04 (2006.01)
C05F 3/00 (2006.01) C05F 7/00
(2006.01) C10L 3/00 (2006.01) C12M
1/00 (2006.01) C12P 5/02 (2006.01)
C25B 1/04 (2006.01) C25B 9/04
(2006.01)**
[25] EN
[54] **BIO-METHANOL PRODUCTION
PRODUCTION DE
BIOMETHANOL**
[72] MACGREGOR, NORMAN J., CA
[73] ULTRA CLEAN ECOLENE INC., CA
[86] (2980573)
[87] (2980573)
[22] 2017-09-28

[11] **2,981,480**

[13] C

- [51] **Int.Cl. G03B 19/18 (2006.01) G03B
17/55 (2006.01) H04N 5/225 (2006.01)
H05K 7/20 (2006.01)**
[25] EN
[54] **MODULAR MOTION CAMERA
CAMERA DE MOUVEMENT
MODULAIRE**
[72] JANNARD, JAMES H., US
[72] LAND, PETER JARRED, US
[72] LEVER, SEAN, US
[72] SMITH, CRAIG, US
[72] BERK, TODD, US
[72] MCEVILLY, BRIAN, US
[72] HAMMING, JOHN, US
[73] RED.COM, LLC, US
[85] 2017-09-29
[86] 2016-04-01 (PCT/US2016/025603)
[87] (WO2016/161312)
[30] US (62/142,995) 2015-04-03
[30] US (62/146,162) 2015-04-10
[30] US (62/146,165) 2015-04-10
[30] US (62/146,169) 2015-04-10

[11] **2,982,538**

[13] C

- [51] **Int.Cl. B02C 13/26 (2006.01) B02C
13/20 (2006.01)**
[25] EN
[54] **COMMUNUTING DEVICE
DISPOSITIF DE
FRAGMENTATION**
[72] SCHARFE, FELIX, DE
[72] SCHARFE, OSCAR, DE
[73] PMS HANDELSKONTOR GMBH, DE
[85] 2017-10-05
[86] 2016-02-11 (PCT/EP2016/052939)
[87] (WO2016/146307)
[30] DE (102015104078.6) 2015-03-18

**Canadian Patents Issued
February 26, 2019**

[11] **2,983,423**
[13] C

[51] **Int.Cl. C08F 2/01 (2006.01) B01J 8/08 (2006.01) B01J 8/18 (2006.01) B01J 8/24 (2006.01) C08F 2/34 (2006.01) C08F 4/00 (2006.01) C08F 10/00 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR POLYMERISING OLEFINS IN GAS PHASE**

[54] **PROCEDE ET APPAREIL POUR LA POLYMERISATION D'OLEFINES EN PHASE GAZEUSE**

[72] KANELLOPOULOS, VASILEIOS, AT

[72] NYFORS, KLAUS, FI

[72] AGUAYO ARELLANO, PABLO IVAN, AT

[72] WEICKERT, GUNTER, DE

[72] PRINSEN, ERIC-JAN, NL

[73] BOREALIS AG, AT

[85] 2017-10-19

[86] 2016-06-10 (PCT/EP2016/063342)

[87] (WO2016/198631)

[30] EP (15171820.2) 2015-06-12

[11] **2,983,662**
[13] C

[51] **Int.Cl. E21B 7/06 (2006.01) E21B 47/13 (2012.01) E21B 4/02 (2006.01) E21B 44/00 (2006.01) E21B 47/024 (2006.01) E21B 47/09 (2012.01) G06K 7/10 (2006.01) G06K 19/07 (2006.01)**

[25] EN

[54] **DRIVE SHAFT ACTUATION USING RADIO FREQUENCY IDENTIFICATION**

[54] **ACTIONNEMENT D'ARBRE D'ENTRAINEMENT PAR IDENTIFICATION PAR RADIOFREQUENCE**

[72] GHARIB, HOSSAM MOHAMED, CA

[72] SAMUEL, GEOFFREY ANDREW, CA

[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-10-23

[86] 2015-06-17 (PCT/US2015/036296)

[87] (WO2016/204756)

[11] **2,984,633**
[13] C

[51] **Int.Cl. A61B 17/00 (2006.01) A61M 25/00 (2006.01) A61M 25/01 (2006.01)**

[25] EN

[54] **SHAPED DELIVERY SHEATH AND METHODS**

[54] **GAINNE D'ADMINISTRATION FACONNEE ET PROCEDES**

[72] MATHENA, SCOTT K., US

[72] MCCLURE, RICHARD L., US

[73] W. L. GORE & ASSOCIATES, INC., US

[85] 2017-10-31

[86] 2016-05-04 (PCT/US2016/030797)

[87] (WO2016/191062)

[30] US (62/157,062) 2015-05-05

[11] **2,984,679**
[13] C

[51] **Int.Cl. G01R 22/06 (2006.01) G01R 22/10 (2006.01) H02J 13/00 (2006.01)**

[25] EN

[54] **DETECTION OF ELECTRICAL THEFT FROM A TRANSFORMER SECONDARY**

[54] **DETECTION DE VOL D'ELECTRICITE AU NIVEAU D'UN TRANSFORMATEUR SECONDAIRE**

[72] DRISCOLL, TIMOTHY JAMES, US

[72] SONDEREGGER, ROBERT, US

[73] ITRON, INC., US

[85] 2017-10-31

[86] 2016-04-29 (PCT/US2016/030120)

[87] (WO2016/178998)

[30] US (14/702,756) 2015-05-03

[11] **2,985,221**
[13] C

[51] **Int.Cl. A61B 90/20 (2016.01) A61B 34/20 (2016.01) A61B 90/25 (2016.01) A61B 90/30 (2016.01) G02B 21/00 (2006.01)**

[25] EN

[54] **MOTORIZED FULL FIELD ADAPTIVE MICROSCOPE**

[54] **MICROSCOPE ADAPTATIF MOTORISE PLEIN CHAMP**

[72] LEE, TAMMY KEE-WAI, CA

[72] WOOD, MICHAEL FRANK GUNTER, CA

[72] PIRON, CAMERON ANTHONY, CA

[72] BAILEY, BRENT ANDREW, CA

[72] SAXENA, SAGAR, CA

[72] CONROY, SEAN ADRIAN, CA

[72] ABHARI, KAMYAR, CA

[72] HYNNA, KAI MICHAEL, CA

[72] SELA, GAL, CA

[72] DYER, KELLY NOEL, CA

[72] RICHMOND, JOSHUA LEE, CA

[73] SYNAPTIVE MEDICAL (BARBADOS) INC., BB

[85] 2017-11-07

[86] 2015-09-24 (PCT/CA2015/050948)

[87] (WO2017/049381)

[11] **2,985,309**
[13] C

[51] **Int.Cl. G01C 21/34 (2006.01) G01C 21/36 (2006.01) G08G 1/0968 (2006.01)**

[25] EN

[54] **NAVIGATION LANE GUIDANCE**

[54] **GUIDAGE DE VOIE DE NAVIGATION**

[72] WOOLLEY, SETH ALAN, US

[73] UBER TECHNOLOGIES, INC., US

[85] 2017-11-07

[86] 2016-03-30 (PCT/IB2016/051778)

[87] (WO2016/185295)

[30] US (14/717,979) 2015-05-20

**Brevets canadiens délivrés
26 février 2019**

[11] **2,985,316**
[13] C

[51] **Int.Cl. H04W 4/021 (2018.01) G06Q 30/02 (2012.01) H04W 4/029 (2018.01) H04W 4/30 (2018.01) H04W 4/21 (2018.01)**

[25] EN

[54] **GEOFENCED EVENT-BASED FAN NETWORKING**

[54] **MISE EN RESEAU DE FANS A BASE D'EVENEMENT GEOREPERE**

[72] GEER, BRADLEY C., US

[73] BLEACHR LLC, US

[86] (2985316)

[87] (2985316)

[22] 2015-02-10

[62] 2,942,300

[30] US (61/954,093) 2014-03-17

[30] US (61/954,655) 2014-03-18

[11] **2,985,739**
[13] C

[51] **Int.Cl. B29D 11/00 (2006.01) B29C 45/04 (2006.01) B29C 45/26 (2006.01)**

[25] EN

[54] **CAST MOLDING TORIC CONTACT LENSES**

[54] **MOULAGE PAR COULEE DE LENTILLES DE CONTACT TORIQUES**

[72] DOBNER, MICHAEL HENRY, US

[72] BARRILE-JOSEPHSON, CRAIG A., US

[73] BAUSCH & LOMB INCORPORATED, US

[85] 2017-11-10

[86] 2016-04-27 (PCT/US2016/029419)

[87] (WO2016/182731)

[30] US (62/160,846) 2015-05-13

[11] **2,985,749**
[13] C

[51] **Int.Cl. B60R 16/033 (2006.01) H02J 7/14 (2006.01)**

[25] EN

[54] **POWER SUPPLY SYSTEM**

[54] **SYSTEME D'ALIMENTATION**

[72] TAHARA, MASAHIKO, JP

[72] TEZUKA, ATSUSHI, JP

[72] KOIKE, TOMOYUKI, JP

[72] WATANABE, MUNEMITSU, JP

[72] KOISHI, AKIFUMI, JP

[72] TSUCHIYA, TERUMASA, JP

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

[85] 2017-11-10

[86] 2015-05-12 (PCT/JP2015/063623)

[87] (WO2016/181495)

[11] **2,987,503**
[13] C

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/53 (2006.01) A61P 35/00 (2006.01) C07D 403/04 (2006.01) C07D 403/14 (2006.01)**

[25] EN

[54] **PYRIMIDINYL AND 1,3,5-TRIAZINYL BENZIMIDAZOLES AND THEIR USE IN CANCER THERAPY**

[54] **PYRIMIDINYL ET 1,3,5-TRIAZINYL BENZIMIDAZOLES ET LEUR UTILISATION DANS LE TRAITEMENT DU CANCER**

[72] REWCASTLE, GORDON WILLIAM, NZ

[72] TSANG, KIT YEE, NZ

[72] GAMAGE, SWARNALATHA AKURATIYA, NZ

[72] GIDDENS, ANNA CLAIRE, NZ

[73] MEI PHARMA, INC., US

[86] (2987503)

[87] (2987503)

[22] 2010-07-06

[62] 2,767,008

[30] US (61/223,684) 2009-07-07

[30] US (61/247,448) 2009-09-30

[30] US (61/318,195) 2010-03-26

[11] **2,989,356**
[13] C

[51] **Int.Cl. G06F 3/041 (2006.01) G06F 3/0481 (2013.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR ACTION INDICATION SELECTION**

[54] **PROCEDE ET APPAREIL DE SELECTION D'INDICATION D'ACTION**

[72] LOMBARDI, MICHAEL J., US

[72] PATEL, MITUL R., US

[72] PIERCE, AMBER M., US

[72] STEVENS, NATALIE J., US

[73] GOOGLE TECHNOLOGY HOLDINGS LLC, US

[86] (2989356)

[87] (2989356)

[22] 2014-08-08

[62] 2,920,347

[30] US (13/964,032) 2013-08-09

[11] **2,989,478**
[13] C

[51] **Int.Cl. B29D 11/00 (2006.01) G02B 6/10 (2006.01)**

[25] EN

[54] **OPTICAL FIBER ASSEMBLIES, AND METHODS AND APPARATUS FOR THE MANUFACTURE THEREOF**

[54] **ENSEMBLES DE FIBRES OPTIQUES ET PROCEDES ET APPAREIL DE FABRICATION ASSOCIES**

[72] BURNS, RODNEY M., US

[72] FILIPPOV, ANDREY V., US

[72] FREELAND, RILEY S., US

[72] HAWTOF, DANIEL W., US

[72] MCALPINE, WARREN W., US

[72] TEDDER, CATHARINA L., US

[73] CORNING OPTICAL COMMUNICATIONS LLC, US

[86] (2989478)

[87] (2989478)

[22] 2009-08-14

[62] 2,732,974

[30] US (61/189,076) 2008-08-15

[11] **2,989,813**
[13] C

[51] **Int.Cl. E04D 13/17 (2006.01) E04D 1/30 (2006.01) E04D 13/152 (2006.01) F24F 7/02 (2006.01) F24F 13/08 (2006.01)**

[25] EN

[54] **RIDGE VENT**

[54] **EVENEMENT DE FAITAGE**

[72] VAN WEY, SCOTT CHARLES, US

[73] LIBERTY DIVERSIFIED INTERNATIONAL, INC., US

[85] 2017-12-15

[86] 2016-06-14 (PCT/US2016/037386)

[87] (WO2016/205205)

[30] US (62/180,364) 2015-06-16

[30] US (15/181,540) 2016-06-14

**Canadian Patents Issued
February 26, 2019**

[11] **2,992,095**
[13] C

[51] **Int.Cl. E05C 19/06 (2006.01) E05B 51/02 (2006.01) E05B 63/00 (2006.01) E05C 3/24 (2006.01) E05C 19/02 (2006.01) E05C 19/12 (2006.01) B64C 1/14 (2006.01) B64D 29/06 (2006.01)**

[25] EN

[54] **ADJUSTABLE PRESSURE RELIEF LATCH**

[54] **VERROU DE DETENTE AJUSTABLE**

[72] DO, THAI, US

[73] ARCONIC INC., US

[85] 2018-01-10

[86] 2016-08-24 (PCT/US2016/048274)

[87] (WO2017/035178)

[30] US (62/210,135) 2015-08-26

[11] **2,993,379**
[13] C

[51] **Int.Cl. B60R 11/04 (2006.01) B60R 1/00 (2006.01)**

[25] EN

[54] **VEHICULAR OPTICAL SYSTEM**

[54] **SYSTEME OPTIQUE VEHICULAIRE**

[72] MAETA, DAISUKE, JP

[72] ADACHI, TAKAHIRO, JP

[72] MORI, TAKEKI, JP

[72] CHIDA, KAZUMI, JP

[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP

[86] (2993379)

[87] (2993379)

[22] 2018-01-30

[30] JP (2017-014492) 2017-01-30

[11] **2,993,499**
[13] C

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

[25] EN

[54] **FUEL CELL SYSTEM**

[54] **SYSTEME DE PILES A COMBUSTIBLE**

[72] TANAKA, DAIKI, JP

[72] YAGUCHI, TATSUYA, JP

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

[85] 2018-01-24

[86] 2015-07-28 (PCT/JP2015/071379)

[87] (WO2017/017786)

[11] **2,993,932**
[13] C

[51] **Int.Cl. B65G 27/32 (2006.01) B65G 25/04 (2006.01) B65G 27/00 (2006.01) B65G 27/08 (2006.01) B65G 27/10 (2006.01) B65G 27/20 (2006.01)**

[25] EN

[54] **IMPROVED LINEAR MOTION CONVEYOR**

[54] **CONVOYEUR A MOUVEMENT LINEAIRE AMELIORE**

[72] GROENEWALD, EUGENE, NL

[73] KEY TECHNOLOGY, INC., US

[85] 2018-01-26

[86] 2016-07-05 (PCT/US2016/040971)

[87] (WO2017/023469)

[30] US (14/818,129) 2015-08-04

[11] **2,994,510**
[13] C

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

[25] EN

[54] **FUEL CELL SYSTEM AND METHOD FOR CONTROLLING FUEL CELL SYSTEM**

[54] **SYSTEME DE PILE A COMBUSTIBLE ET PROCEDE DE COMMANDE DE SYSTEME DE PILE A COMBUSTIBLE**

[72] KANEKO, YOUHEI, JP

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

[85] 2018-02-01

[86] 2015-08-03 (PCT/JP2015/071951)

[87] (WO2017/022053)

[11] **2,994,922**
[13] C

[51] **Int.Cl. H01Q 3/30 (2006.01) H01P 5/22 (2006.01) H01Q 11/08 (2006.01)**

[25] EN

[54] **DEMULPLEXER/MULTIPLEXER, ANTENNA DEVICE, AND FADING ELIMINATION METHOD**

[54] **MULTIPLEXEUR/DEMULPLEXEUR, DISPOSITIF D'ANTENNE ET PROCEDE D'ELIMINATION D'EVANOUISSEMENT**

[72] MORIGUCHI, TATSUJI, JP

[73] NEC CORPORATION, JP

[85] 2018-02-06

[86] 2016-08-02 (PCT/JP2016/003544)

[87] (WO2017/026107)

[30] JP (2015-156749) 2015-08-07

[11] **2,995,319**
[13] C

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

[25] EN

[54] **POWER CONDITIONING SYSTEM AND CONTROL METHOD THEREFOR**

[54] **SYSTEME DE REGLAGE DE PUISSANCE ET SON PROCEDE DE COMMANDE**

[72] MATSUMOTO, MICHIIHIKO, JP

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

[85] 2018-02-09

[86] 2015-08-11 (PCT/JP2015/072795)

[87] (WO2017/026058)

[11] **2,996,372**
[13] C

[51] **Int.Cl. H01R 31/06 (2006.01) H01R 24/20 (2011.01) H01R 24/30 (2011.01) A47G 33/06 (2006.01) H01B 9/00 (2006.01) H01R 4/66 (2006.01) F21S 4/10 (2016.01)**

[25] EN

[54] **AN ELECTRICAL PLUG AND SOCKET ASSEMBLY FOR A SAFETY GROUNDED TREE**

[54] **UN ENSEMBLE DE BOUCHON ET DOUILLE ELECTRIQUE DESTINE UN ARBRE MIS A LA TERRE**

[72] MCRAE, MICHAEL M., US

[73] NATIONAL CHRISTMAS PRODUCTS, INC., US

[86] (2996372)

[87] (2996372)

[22] 2018-02-26

[30] US (15/490,880) 2017-04-18

**Brevets canadiens délivrés
26 février 2019**

[11] **2,996,947**
[13] C

[51] **Int.Cl. C12Q 1/6869 (2018.01) C12Q 1/6806 (2018.01) C12Q 1/686 (2018.01)**

[25] EN

[54] **PRIMERS, PROBES AND METHODS FOR NUCLEIC ACID AMPLIFICATION**

[54] **AMORCES, SONDES ET PROCEDES D'AMPLIFICATION D'ACIDES NUCLEIQUES**

[72] WANGH, LAWRENCE J., US

[72] RICE, JOHN, US

[72] SANCHEZ, J. AQUILES, US

[72] PIERCE, KENNETH, US

[72] SALK, JESSE, US

[72] REIS, ARTHUR, US

[72] HARTSHORN, CRISTINA, US

[73] BRANDEIS UNIVERSITY, US

[86] (2996947)

[87] (2996947)

[22] 2005-10-17

[62] 2,855,748

[30] US (60/619,654) 2004-10-18

[11] **2,997,365**
[13] C

[51] **Int.Cl. F02D 29/02 (2006.01) B60H 1/08 (2006.01) F02D 41/12 (2006.01)**

[25] EN

[54] **VEHICLE TRAVELING CONTROL METHOD AND VEHICLE TRAVELING CONTROL DEVICE**

[54] **METHODE DE CONTROLE DE TRAJET DE VEHICULE ET APPAREIL DE CONTROLE DE TRAJET DE VEHICULE**

[72] IWAMOTO, TADASHI, JP

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

[85] 2018-03-01

[86] 2015-09-01 (PCT/JP2015/004445)

[87] (WO2017/037761)

[11] **2,998,001**
[13] C

[51] **Int.Cl. E21D 19/00 (2006.01) E21D 19/02 (2006.01) E21D 23/03 (2006.01)**

[25] EN

[54] **RAPID DEVELOPMENT MOBILE CANOPY FOR UNDERGROUND MINING**

[54] **ABRI MOBILE A DEVELOPPEMENT RAPIDE DESTINE A L'EXPLOITATION MINIERE SOUTERRAINE**

[72] ELLIOTT, RONALD P., CA

[72] KELSO, BRYAN, CA

[73] NORDIC MINESTEEL TECHNOLOGIES INC., CA

[85] 2018-03-12

[86] 2017-10-16 (PCT/CA2017/000223)

[87] (2998001)

[30] US (62/409,366) 2016-10-17

[11] **2,998,945**
[13] C

[51] **Int.Cl. G09F 3/02 (2006.01) B65D 79/00 (2006.01)**

[25] EN

[54] **BOTTLE TAG**

[54] **SAC FOURRE-TOUT**

[72] FENWICK, JOHN, CA

[73] FENWICK, JOHN, CA

[86] (2998945)

[87] (2998945)

[22] 2018-03-22

[11] **3,000,122**
[13] C

[51] **Int.Cl. G01S 5/26 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR DETERMINING A POSITION OF A MICROPHONE**

[54] **METHODE ET SYSTEME DE DETERMINATION D'UNE POSITION D'UN MICROPHONE**

[72] AYOTTE, MAXIME, CA

[72] DESMET, LAURENT, CA

[73] CAE INC., CA

[86] (3000122)

[87] (3000122)

[22] 2018-03-29

[11] **3,000,139**
[13] C

[51] **Int.Cl. G01S 5/26 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR VALIDATING A POSITION OF A MICROPHONE**

[54] **METHODE ET SYSTEME DE VALIDATION D'UNE POSITION D'UN MICROPHONE**

[72] AYOTTE, MAXIME, CA

[73] CAE INC., CA

[86] (3000139)

[87] (3000139)

[22] 2018-03-29

[11] **3,000,147**
[13] C

[51] **Int.Cl. G09B 9/46 (2006.01) B64D 45/04 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR DETERMINING A RECIRCULATION EFFECT FROM AN OBSTACLE ON A MAIN ROTOR INDUCED VELOCITY OF A SIMULATED ROTORCRAFT**

[54] **METHODE ET SYSTEME DE DETERMINATION D'UN EFFET DE RECIRCULATION D'UN OBSTACLE SUR LA VITESSE INDUITE D'UN ROTOR PRINCIPAL D'UN GIRAVION SIMULE**

[72] NADEAU BEAULIEU, MICHEL, CA

[72] TARDIF, JEAN, CA

[73] CAE INC., CA

[86] (3000147)

[87] (3000147)

[22] 2018-03-29

**Canadian Patents Issued
February 26, 2019**

[11] **3,000,237**
[13] C

[51] **Int.Cl. A61K 31/435 (2006.01) A61K 31/245 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **USE OF EP4 RECEPTOR ANTAGONISTS FOR THE TREATMENT OF NASH-ASSOCIATED LIVER CANCER**
[54] **UTILISATION D'ANTAGONISTES DU RECEPTEUR EP4 POUR LE TRAITEMENT DE CANCER DU FOIE ASSOCIE A LA STEATOHEPATITE NON ALCOOLIQUE**
[72] OHTANI, NAOKO, JP
[72] KAMACHI, FUMITAKA, JP
[72] LOO, TZE MUN, JP
[72] KOIZUMI, SHINICHI, JP
[72] OKUMURA, TAKAKO, JP
[73] ASKAT INC., JP
[85] 2018-04-04
[86] 2017-11-02 (PCT/JP2017/039680)
[87] (3000237)
[30] US (15/343,999) 2016-11-04

[11] **3,000,480**
[13] C

[51] **Int.Cl. G09B 9/00 (2006.01) G09B 19/24 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REMOTELY OPERATED MACHINE TRAINING**
[54] **SYSTEMES ET METHODES DESTINES A UN ENTRAINEMENT SUR APPAREIL TELECOMMANDE**
[72] DUBE, MARIO, CA
[73] CAE INC., CA
[86] (3000480)
[87] (3000480)
[22] 2018-04-06
[30] US (15/942,045) 2018-03-30

[11] **3,000,694**
[13] C

[51] **Int.Cl. G01N 3/08 (2006.01)**
[25] EN
[54] **NON-DESTRUCTIVE EVALUATION OF CORDAGE PRODUCTS**
[54] **EVALUATION NON DESTRUCTIVE DE PRODUITS DE CORDAGE**
[72] MOZSGAI, GREG ZOLTAN, US
[72] PLAIA, JAMES R., US
[72] CHOU, CHIA-TE, US
[73] SAMSON ROPE TECHNOLOGIES, INC., US
[85] 2018-03-29
[86] 2016-09-30 (PCT/US2016/055009)
[87] (WO2017/059365)
[30] US (62/235,263) 2015-09-30
[30] US (62/262,622) 2015-12-03

[11] **3,001,220**
[13] C

[51] **Int.Cl. B29C 41/14 (2006.01)**
[25] EN
[54] **THIN-WALLED ELASTIC PRODUCTS AND METHODS AND SYSTEMS FOR MANUFACTURING SAME**
[54] **PRODUITS ELASTIQUES A PAROI MINCE ET METHODES ET SYSTEMES DE FABRICATION ASSOCIES**
[72] STATON, FIELDING B., US
[72] STRUMPF, DAVID, US
[73] NEWTONOID TECHNOLOGIES, L.L.C., US
[86] (3001220)
[87] (3001220)
[22] 2018-04-12
[30] US (15/604,384) 2017-05-24

[11] **3,006,312**
[13] C

[51] **Int.Cl. A61M 39/10 (2006.01) A61M 5/145 (2006.01) A61M 39/00 (2006.01) A61M 39/04 (2006.01) A61M 39/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FLARED LUER CONNECTOR FOR MEDICAL TUBING**
[54] **SYSTEME ET PROCEDE POUR CONNECTEUR LUER EVASE POUR TUBE MEDICAL**
[72] SEALFON, ANDREW I., US
[72] GHESHMI, SIAVASH, US
[73] REPRO-MED SYSTEMS, INC., US
[85] 2018-05-24
[86] 2016-10-21 (PCT/US2016/058056)
[87] (WO2017/119935)
[30] US (62/274,487) 2016-01-04
[30] US (15/291,895) 2016-10-12

[11] **3,010,091**
[13] C

[51] **Int.Cl. C22B 3/04 (2006.01) B01D 11/02 (2006.01) C22B 1/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ENHANCED METAL RECOVERY DURING ATMOSPHERIC LEACHING OF METAL SULFIDES**
[54] **SYSTEME ET PROCEDE POUR UNE MEILLEURE RECUPERATION DE METAL PENDANT UNE LIXIVIATION ATMOSPHERIQUE DE SULFURES METALLIQUES**
[72] CHAIKO, DAVID J., US
[72] BACZEK, FRANK, US
[72] WALTERS, TOM, US
[72] ROCKS, SALLY, US
[72] EYZAGUIRRE, CARLOS, US
[73] FLISMIDTH A/S, DK
[86] (3010091)
[87] (3010091)
[22] 2015-09-14
[62] 2,971,352
[30] US (62/050039) 2014-09-12

**Brevets canadiens délivrés
26 février 2019**

[11] **3,012,172**
[13] C

- [51] **Int.Cl. F16L 3/233 (2006.01) B65D 63/10 (2006.01) E05B 75/00 (2006.01)**
[25] EN
[54] **ELASTOMER LINED SELF LOCKING TIE**
[54] **ATTACHE AUTOBLOQUANTE REVETUE D'ELASTOMERE**
[72] KING, CREIGHTON, US
[73] LOCK RIGHT LLC, US
[85] 2018-07-20
[86] 2016-01-26 (PCT/US2016/014981)
[87] (WO2016/123140)
[30] US (62/108,010) 2015-01-26
[30] US (62/249,002) 2015-10-30

[11] **3,014,084**
[13] C

- [51] **Int.Cl. A47J 31/18 (2006.01) A45F 3/16 (2006.01) A47G 19/22 (2006.01)**
[25] EN
[54] **BEVERAGE MAKER**
[54] **DISPOSITIF DE PREPARATION DE BOISSON**
[72] KALBFLEISCH, ALAN PAUL, CA
[73] KALBFLEISCH, ALAN PAUL, CA
[85] 2018-08-09
[86] 2017-01-27 (PCT/CA2017/050085)
[87] (WO2017/136921)
[30] US (62/293,801) 2016-02-11

[11] **3,014,806**
[13] C

- [51] **Int.Cl. B60W 50/12 (2012.01) H04W 4/00 (2018.01) G06Q 50/30 (2012.01) G06F 21/31 (2013.01) B60R 25/04 (2013.01) H04L 29/06 (2006.01) H04L 29/08 (2006.01)**
[25] EN
[54] **ANTI-DISTRACTED DRIVER SYSTEM**
[54] **SYSTEME ANTI-DISTRACTION DU CONDUCTEUR**
[72] LIVINGSTON, ANTONY, US
[72] MACHECA, CHRISTOPHER M., US
[73] LIVINGSTON ENTERPRISES LLC, US
[85] 2018-08-15
[86] 2017-02-16 (PCT/US2017/018205)
[87] (WO2017/143086)
[30] US (15/044,388) 2016-02-16

[11] **3,014,893**
[13] C

- [51] **Int.Cl. A47F 3/04 (2006.01)**
[25] EN
[54] **REFRIGERATED DISPLAY CASE AND NIGHT COVER THEREFOR**
[54] **VITRINE REFRIGEREE ET SON COUVERCLE DE NUIT**
[72] GREEN, COLIN, GB
[73] THERMASOLUTIONS INTERNATIONAL LIMITED, GB
[85] 2018-08-16
[86] 2018-02-02 (PCT/GB2018/050310)
[87] (WO2018/142155)
[30] EP (PCT/EP2017/052384) 2017-02-03
[30] GB (1708931.9) 2017-06-05
[30] GB (1719553.8) 2017-11-24

[11] **3,015,048**
[13] C

- [51] **Int.Cl. H04L 27/22 (2006.01)**
[25] EN
[54] **RECEIVING DEVICE**
[54] **APPAREIL DE RECEPTION**
[72] NODA, YASUNORI, JP
[73] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2018-08-17
[86] 2016-02-22 (PCT/JP2016/054982)
[87] (WO2017/145215)

[11] **3,015,058**
[13] C

- [51] **Int.Cl. H01M 8/02 (2016.01) H01M 8/24 (2016.01) H01M 8/10 (2016.01)**
[25] EN
[54] **FUEL CELL STACK**
[54] **EMPILEMENT DE PILES A COMBUSTIBLE**
[72] KAGEYAMA, KAZUHIRO, JP
[72] SATO, KAZUYUKI, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2018-08-17
[86] 2016-10-17 (PCT/JP2016/080703)
[87] (WO2017/145436)
[30] JP (2016-031632) 2016-02-23

[11] **3,015,104**
[13] C

- [51] **Int.Cl. H04L 9/00 (2006.01) H04L 12/16 (2006.01)**
[25] EN
[54] **CONTEXTUAL DEVICE LOCKING/UNLOCKING**
[54] **BLOCAGE ET DEBLOCAGE CONTEXTUELS DE DISPOSITIF**
[72] MATUS, JONATHAN ARIE, US
[73] FACEBOOK, INC., US
[86] (3015104)
[87] (3015104)
[22] 2013-10-23
[62] 2,951,782
[30] US (13/662,187) 2012-10-26
[30] EP (13189504.7) 2013-10-21

[11] **3,015,894**
[13] C

- [51] **Int.Cl. G05D 1/02 (2006.01) B60W 30/10 (2006.01) G01S 17/93 (2006.01)**
[25] EN
[54] **PLANAR-BEAM, LIGHT DETECTION AND RANGING SYSTEM**
[54] **SYSTEME DE DETECTION DE LUMIERE ET DE TELEMETRIE PAR FAISCEAU PLAN**
[72] BOEHMKE, SCOTT, US
[73] UBER TECHNOLOGIES, INC., US
[85] 2018-08-27
[86] 2017-03-02 (PCT/US2017/020483)
[87] (WO2017/151943)
[30] US (62/303,013) 2016-03-03
[30] US (15/446,953) 2017-03-01

[11] **3,017,834**
[13] C

- [51] **Int.Cl. G10K 11/172 (2006.01)**
[25] EN
[54] **STEPPED ACOUSTIC STRUCTURES WITH MULTIPLE DEGREES OF FREEDOM**
[54] **STRUCTURES ACOUSTIQUES A GRADIN AVEC DEGRES DE LIBERTE MULTIPLES**
[72] ICHIHASHI, FUMITAKA, US
[73] HEXCEL CORPORATION, US
[85] 2018-09-13
[86] 2017-04-28 (PCT/US2017/029989)
[87] (WO2017/192362)
[30] US (15/144,355) 2016-05-02

Canadian Patents Issued
February 26, 2019

[11] **3,017,840**

[13] C

[51] **Int.Cl. H05B 7/09 (2006.01)**

[25] EN

[54] **ELECTRODE COMPOSITION**

[54] **MASSE D'ELECTRODE**

[72] FRANKE, ALOIS J., DE

[72] BECKER, ROBERT, DE

[72] LEYE, JOHANN, DE

[73] RHEINFELDEN CARBON GMBH &
CO. KG, DE

[85] 2018-09-14

[86] 2017-03-30 (PCT/EP2017/057507)

[87] (WO2017/167859)

[30] EP (16163213.8) 2016-03-31

[11] **3,022,437**

[13] C

[51] **Int.Cl. H04N 21/2668 (2011.01)**

[25] EN

[54] **TARGETED TELEVISION
ADVERTISING BASED ON
PROFILES LINKED TO
MULTIPLE ONLINE DEVICES**

[54] **PUBLICITE TELEVISEE CIBLEE
BASEE SUR DES PROFILS LIES A
DE MULTIPLES DISPOSITIFS EN
LIGNE**

[72] SHKEDI, ROY, US

[72] BEN-YISHAI, DROR, IL

[73] INTENT IQ, LLC, US

[86] (3022437)

[87] (3022437)

[22] 2012-08-03

[62] 2,843,831

[30] US (61/514840) 2011-08-03

Canadian Applications Open to Public Inspection

February 10, 2019 to February 16, 2019

Demandes canadiennes mises à la disponibilité du public

10 février 2019 au 16 février 2019

[21] **2,975,748**
[13] A1
[51] **Int.Cl. A61G 17/08 (2006.01)**
[25] EN
[54] **CREMAINS CONTAINER HAVING BURIED IMAGE**
[54] **CONTENANT DE CREMATION COMPORTANT UNE IMAGE ENFOUIE**
[72] LU, TSUNG-HUA, TW
[71] LU, TSUNG-HUA, TW
[22] 2017-08-10
[41] 2019-02-10

[21] **2,975,752**
[13] A1
[51] **Int.Cl. A47J 43/04 (2006.01) A47J 31/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD TO MAKE CANNABIS AND/OR CANNABIS EXTRACT AND/OR CANNABIS COMPONENT ENHANCED EDIBLE PRODUCTS**
[54] **APPAREIL ET METHODE DE FABRICATION DE PRODUITS COMESTIBLES RENFERMANT DU CANNABIS OU UN EXTRAIT DE CANNABIS OU UNE COMPOSANTE DE CANNABIS**
[72] OPREA, JOHN, CA
[71] OPREA, JOHN, CA
[22] 2017-08-10
[41] 2019-02-10

[21] **2,975,821**
[13] A1
[51] **Int.Cl. G02C 5/00 (2006.01)**
[25] FR
[54] **DOUBLE-BRIDGED REVERSIBLE GLASSES**
[54] **LUNETTE REVERSIBLE A DOUBLE PONT**
[72] LAFRENIERE, STEPHAN, CA
[72] GARCEAU, STEEVE, CA
[71] LAFRENIERE, STEPHAN, CA
[71] GARCEAU, STEEVE, CA
[22] 2017-08-10
[41] 2019-02-10

[21] **2,975,932**
[13] A1
[51] **Int.Cl. C25B 9/06 (2006.01) B01J 19/24 (2006.01) C25B 3/02 (2006.01) C25B 9/08 (2006.01) C25B 11/02 (2006.01)**
[25] EN
[54] **ELECTROLYTIC REACTOR**
[54] **REACTEUR ELECTROLYTIQUE**
[72] BOUDREAU, JORDACHE, CA
[71] INNOVATIVE POTENTIAL INC., CA
[22] 2017-08-10
[41] 2019-02-10

[21] **2,976,107**
[13] A1
[51] **Int.Cl. H05B 6/60 (2006.01) E21B 36/04 (2006.01) E21B 43/24 (2006.01) H01Q 1/04 (2006.01) H01Q 13/10 (2006.01)**
[25] EN
[54] **SELF-FORMING TRAVELLING WAVE ANTENNA MODULE BASED ON SINGLE CONDUCTOR TRANSMISSION LINES FOR ELECTROMAGNETIC HEATING OF HYDROCARBON FORMATIONS AND METHOD OF USE**
[54] **MODULE D'ANTENNE A ONDE PROGRESSIVE AUTOFORMANTE FONDE SUR DES LIGNES DE TRANSMISSION A CONDUCTEUR SIMPLE DESTINE AU CHAUFFAGE ELECTROMAGNETIQUE DE FORMATIONS D'HYDROCARBURE ET METHODE D'UTILISATION**
[72] APPERLEY, THOMAS, CA
[72] OKONIEWSKI, MICHAL M., CA
[71] ACCELEWARE LTD., CA
[22] 2017-08-11
[41] 2019-02-11

[21] **2,976,114**
[13] A1
[51] **Int.Cl. A61B 5/16 (2006.01) G16H 20/70 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ESTABLISHING A SAFE ONLINE COMMUNICATION NETWORK AND FOR ALERTING USERS OF THE STATUS OF THEIR MENTAL HEALTH**
[54] **SYSTEMES ET METHODES D'ETABLISSEMENT D'UN RESEAU DE COMMUNICATION EN LIGNE SUR ET D'ALERTE DES UTILISATEURS SUR L'ETAT DE LEUR SANTE MENTALE**
[72] DANCEL, IVAN TUMBOCON, CA
[71] DANCEL, IVAN TUMBOCON, CA
[22] 2017-08-14
[41] 2019-02-14

[21] **2,976,115**
[13] A1
[51] **Int.Cl. H04W 12/08 (2009.01) H04W 12/06 (2009.01) H04B 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SECURE DATA TRANSFER BETWEEN MOBILE COMPUTING DEVICES**
[54] **SYSTEME ET METHODE DE SECURISATION DU TRANSFERT DE DONNEES ENTRE DISPOSITIFS INFORMATIQUES MOBILES**
[72] LEE, CARLOS, CA
[71] LEE, CARLOS, CA
[22] 2017-08-10
[41] 2019-02-10

**Canadian Applications Open to Public Inspection
February 10, 2019 to February 16, 2019**

[21] **2,976,221**
[13] A1

[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/178 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **RETRACTABLE SYRINGE**
[54] **SERINGUE RETRACTABLE**
[72] KOVACS, DAVID H., CA
[71] KOVACS, DAVID H., CA
[22] 2017-08-11
[41] 2019-02-11

[21] **2,976,241**
[13] A1

[51] **Int.Cl. H01M 4/134 (2010.01) H01M 4/1395 (2010.01) H01M 10/052 (2010.01)**
[25] FR
[54] **ELECTRODE MATERIALS IN THE FORM OF A LITHIUM-BASED ALLOY AND THEIR FABRICATION PROCESSES**
[54] **MATERIAUX D'ELECTRODE SOUS FORME D'ALLIAGE A BASE DE LITHIUM ET LEURS PROCEDES DE FABRICATION**
[72] ZAGHIB, KARIM, CA
[72] ARMAND, MICHEL, FR
[72] BOUCHARD, PATRICK, CA
[72] VERREAULT, SERGE, CA
[72] TURCOTTE, NANCY, CA
[72] LEBLANC, DOMINIC, CA
[71] HYDRO-QUEBEC, CA
[22] 2017-08-15
[41] 2019-02-15

[21] **2,976,242**
[13] A1

[51] **Int.Cl. A63F 9/06 (2006.01)**
[25] EN
[54] **SYMBOL-BASED PUZZLE GAME**
[54] **JEU DE PUZZLE FONDE SUR DES SYMBOLES**
[72] MUKADI, JEAN PIERRE, CA
[71] MUKADI, JEAN PIERRE, CA
[22] 2017-08-15
[41] 2019-02-14
[30] US (15/676,087) 2017-08-14

[21] **2,976,252**
[13] A1

[51] **Int.Cl. A41D 13/08 (2006.01) A63B 71/14 (2006.01)**
[25] EN
[54] **HAND WARMER**
[54] **CHAUFFE-MAIN**
[72] GOLDADE, TRACEY M., CA
[71] GOLDADE, TRACEY M., CA
[22] 2017-08-15
[41] 2019-02-15

[21] **2,976,254**
[13] A1

[51] **Int.Cl. C08L 23/08 (2006.01) B32B 27/18 (2006.01) C08J 5/18 (2006.01) C08K 3/04 (2006.01) C08K 5/17 (2006.01) E04D 1/22 (2006.01)**
[25] EN
[54] **POLYETHYLENE SHINGLE WRAP**
[54] **EMBALLAGE DE BARDEAUX EN POLYETHYLENE**
[72] WALDIE, FRASER, CA
[72] TIKUISIS, TONY, CA
[72] CHISHOLM, P. SCOTT, CA
[71] NOVA CHEMICALS CORPORATION, CA
[22] 2017-08-15
[41] 2019-02-15

[21] **2,976,257**
[13] A1

[51] **Int.Cl. F21S 9/02 (2006.01) E01F 9/20 (2016.01) F21S 4/20 (2016.01) E01F 13/00 (2006.01) F21V 14/02 (2006.01) F21V 33/00 (2006.01)**
[25] EN
[54] **RETRACTABLE ILLUMINATED SAFETY BARRICADE**
[54] **BARRIERE DE SECURITE ILLUMINEE RETRACTABLE**
[72] PRIEUR, PAT, CA
[72] BRESOLIN, JASON, CA
[72] LOACH, BRADY, CA
[71] PRIEUR, PAT, CA
[71] BRESOLIN, JASON, CA
[71] LOACH, BRADY, CA
[22] 2017-08-15
[41] 2019-02-15

[21] **2,976,367**
[13] A1

[51] **Int.Cl. A47F 10/02 (2006.01) A23L 5/00 (2016.01) A47F 3/02 (2006.01) A47J 43/00 (2006.01) G07F 11/00 (2006.01)**
[25] EN
[54] **PATTY VENDING MACHINE**
[54] **DISTRIBUTEUR AUTOMATIQUE DE GALETTES**
[72] HASTINGS, PAUL, CA
[71] HASTINGS, PAUL, CA
[22] 2017-08-11
[41] 2019-02-11

[21] **2,976,495**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/00 (2012.01) A63B 71/00 (2006.01)**
[25] EN
[54] **METHOD AND FORMAT OF PLAYING A SPORTS TOURNAMENT**
[54] **METHODE ET FORMAT DE JEU D'UN TOURNOI SPORTIF**
[72] MCBRIDE, SCOTT, CA
[71] MCBRIDE, SCOTT, CA
[22] 2017-08-15
[41] 2019-02-15

[21] **2,976,496**
[13] A1

[51] **Int.Cl. E01F 13/00 (2006.01) E01F 15/00 (2006.01)**
[25] EN
[54] **STOPON**
[54] **STOPON**
[72] FORRESTER, JERRY, CA
[71] FORRESTER, JERRY, CA
[22] 2017-08-15
[41] 2019-02-15

[21] **2,976,501**
[13] A1

[51] **Int.Cl. E05F 15/643 (2015.01) E05F 15/632 (2015.01) E05D 15/12 (2006.01)**
[25] EN
[54] **HORIZONTAL GARAGE DOOR ASSEMBLY**
[54] **ENSEMBLE DE PORTE DE GARAGE HORIZONTALE**
[72] MALEJKO, TYLER, US
[71] CONTOUR CLOSURES, INC., US
[22] 2017-08-16
[41] 2019-02-16

Demandes canadiennes mises à la disponibilité du public
10 février 2019 au 16 février 2019

[21] **2,976,530**
[13] A1

[51] **Int.Cl. A47G 21/14 (2006.01) A47G 29/08 (2006.01) F16M 13/00 (2006.01)**
[25] EN
[54] **BMBU BLOCK**
[54] **BLOCK BMBU**
[72] NAEEMKHAN, KHAN, CA
[71] NAEEMKHAN, KHAN, CA
[22] 2017-08-15
[41] 2019-02-15

[21] **2,976,540**
[13] A1

[51] **Int.Cl. A61M 5/32 (2006.01) A61M 5/31 (2006.01) A61M 5/34 (2006.01)**
[25] EN
[54] **ROTATIONAL NEEDLE**
[54] **AIGUILLE ROTATIVE**
[72] BROOKS, DARREN, CA
[71] BROOKS, DARREN, CA
[22] 2017-08-16
[41] 2019-02-16

[21] **2,976,560**
[13] A1

[51] **Int.Cl. A63B 22/20 (2006.01) A63B 21/00 (2006.01) A63B 23/02 (2006.01)**
[25] EN
[54] **PORTABLE EXERCISE DEVICE**
[54] **APPAREIL D'EXERCICE PORTATIF**
[72] FITZ-HARDY, CHRISTOPHER D., CA
[71] FITZ-HARDY, CHRISTOPHER D., CA
[22] 2017-08-16
[41] 2019-02-16

[21] **2,976,564**
[13] A1

[51] **Int.Cl. A61K 47/10 (2017.01) A61K 31/045 (2006.01) A61K 31/125 (2006.01) A61K 33/34 (2006.01) A61P 17/00 (2006.01) A61P 31/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR TREATING INFECTIONS**
[54] **COMPOSITIONS DE TRAITEMENT D'INFECTIONS**
[72] SHAH, AIYAZ A., AU
[71] SCI-CHEM INTERNATIONAL PTY LTD, AU
[22] 2017-08-16
[41] 2019-02-16

[21] **2,976,782**
[13] A1

[51] **Int.Cl. B29C 64/314 (2017.01) B33Y 10/00 (2015.01) B33Y 70/00 (2015.01) B33Y 80/00 (2015.01) B29C 64/112 (2017.01)**
[25] EN
[54] **METAL 3D PRINTING METHOD AND METALLIC 3D PRINTING MATERIALS**
[54] **METHODE D'IMPRESSION 3D SUR LE METAL ET MATERIAUX D'IMPRESSION 3D SUR LE METAL**
[72] XU, CHAO, CA
[72] THERRIAULT, DANIEL, CA
[72] LABERGE LEBEL, LOUIS, CA
[72] L'ESPERANCE, GILLES, CA
[72] BOUCHEMIT, ARSLANE, CA
[71] XU, CHAO, CA
[71] THERRIAULT, DANIEL, CA
[71] LABERGE LEBEL, LOUIS, CA
[71] L'ESPERANCE, GILLES, CA
[71] BOUCHEMIT, ARSLANE, CA
[22] 2017-08-16
[41] 2019-02-16

[21] **2,976,863**
[13] A1

[51] **Int.Cl. B03B 9/02 (2006.01)**
[25] EN
[54] **METHOD FOR PROCESSING WEATHERED OIL SAND ORE**
[54] **METHODE DE TRAITEMENT DE MINERAI DE SABLES BITUMINEUX VIEILLI**
[72] LONG, JUN, CA
[72] HOSKINS, SHANE, CA
[72] GU, YONG (JOE), CA
[72] NG, YIN MING SAMSON, CA
[71] SYNCRUDE CANADA LTD. IN TRUST FOR THE OWNERS OF THE SYNCRUDE PROJECT AS SUCH OWNERS EXIST NOW AND IN THE FUTURE, CA
[22] 2017-08-16
[41] 2019-02-16

[21] **2,976,870**
[13] A1

[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANAGEMENT OF GOODS DELIVERY**
[54] **SYSTEME ET METHODE DE GESTION DE LA LIVRAISON DE BIENS**
[72] BRANDWINE, GUY, IL
[71] DRAGONTAIL SYSTEMS LTD., IL
[22] 2017-08-17
[41] 2019-02-16
[30] US (15/678,597) 2017-08-16

[21] **2,977,924**
[13] A1

[51] **Int.Cl. F16K 29/00 (2006.01) F16K 1/34 (2006.01) F16K 3/10 (2006.01) F16K 3/14 (2006.01) F16K 3/16 (2006.01) F16K 5/14 (2006.01) F16K 25/00 (2006.01)**
[25] EN
[54] **INTEGRATED PIEZO ELECTRIC MICRO-VIBRATION UNIT FOR VALVES**
[54] **MODULE DE MICROVIBRATION PIEZOELECTRIQUE INTEGRE DESTINE A DES VANNES**
[72] MOY CHEUNG, SULYN C., CA
[71] MOY CHEUNG, SULYN C., CA
[22] 2017-08-14
[41] 2019-02-14

[21] **2,982,037**
[13] A1

[51] **Int.Cl. A47G 21/14 (2006.01) A47G 29/087 (2006.01)**
[25] EN
[54] **BMBU BLOCK**
[54] **BLOCK BMBU**
[72] NAEEMKHAN, KHAN, CA
[71] NAEEMKHAN, KHAN, CA
[22] 2017-10-10
[41] 2019-02-15
[30] CA (2,976,530) 2017-08-15

**Canadian Applications Open to Public Inspection
February 10, 2019 to February 16, 2019**

[21] **2,984,669**
[13] A1

[51] **Int.Cl. E04H 15/32 (2006.01) E04H 1/12 (2006.01)**
[25] EN
[54] **SYSTEM FOR ADJUSTING TENSION ON FABRIC PANELS BETWEEN STRUCTURAL MEMBERS**
[54] **SYSTEME D'AJUSTEMENT DE LA TENSION SUR LES PANNEAUX DE TISSUS ENTRE LES ELEMENTS STRUCTURAUX**
[72] HENBID, RICHARD WILLIAM, CA
[72] STUTE, ROBERT JAMES, CA
[71] BRITESPAN BUILDING SYSTEMS INC., CA
[22] 2017-11-03
[41] 2019-02-15
[30] US (15/721,043) 2017-09-29

[21] **2,985,212**
[13] A1

[51] **Int.Cl. A63B 71/06 (2006.01) G06N 3/02 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PREDICTING RESULT OF CURLING GAME**
[54] **APPAREIL ET METHODE DE PREDICTION DU RESULTAT D'UNE PARTIE DE CURLING**
[72] LEE, SOON WON, KR
[72] CHO, SOO HYUN, KR
[72] PARK, SUNG GEON, KR
[72] HE, GUIJIA, KR
[72] KIM, HEE CHAN, KR
[71] BUTLER NETWORK CO., LTD., KR
[71] FOUNDATION OF SOONGSIL UNIVERSITY-INDUSTRY COOPERATION, KR
[22] 2017-11-10
[41] 2019-02-16
[30] KR (10-2017-0103709) 2017-08-16

[21] **2,986,711**
[13] A1

[51] **Int.Cl. G02B 7/00 (2006.01) G02B 27/01 (2006.01)**
[25] EN
[54] **COLLAPSIBLE VIRTUAL REALITY VIEWER ASSEMBLY**
[54] **ENSEMBLE DE VISIONNEUSE DE REALITE VIRTUELLE PLIABLE**
[72] PAVLU, ROBERT R., US
[72] WALLEN, THOMAS A., US
[72] SCHIMKE, SCOTT A., US
[71] HALLMARK CARDS, INCORPORATED, US
[22] 2017-11-27
[41] 2019-02-11
[30] US (15/674,818) 2017-08-11

[21] **2,988,514**
[13] A1

[51] **Int.Cl. E04B 1/62 (2006.01) E04B 1/64 (2006.01)**
[25] EN
[54] **METHODS OF FRAMING AND INSULATING FOR AN AIR-VAPOUR BARRIER**
[54] **METHODES DE CADRAGE ET ISOLATION D'UNE BARRIERE AIR-VAPEUR**
[72] RINGLINE, HAROLD, CA
[71] RINGLINE, HAROLD, CA
[22] 2017-09-06
[41] 2019-02-16
[62] 2,978,331
[30] US (62/546,025) 2017-08-16

[21] **2,988,847**
[13] A1

[51] **Int.Cl. H01R 4/66 (2006.01) H01B 7/28 (2006.01)**
[25] EN
[54] **CORROSION-PROTECTIVE JACKET FOR ELECTRODE**
[54] **CHEMISE DE PROTECTION CONTRE LA CORROSION DESTINEE A UNE ELECTRODE**
[72] SIROLA, BRIEN TODD, CA
[72] BERNI, CHRISTOPHER PAUL, CA
[72] HUGHES, CAITLIN EMMA MORRISSEY, CA
[72] SIROLA, DONALD BRIEN, CA
[71] SHORE ACRES ENTERPRISES INC., CA
[22] 2017-12-14
[41] 2019-02-14
[30] US (62/545,077) 2017-08-14

[21] **2,992,646**
[13] A1

[51] **Int.Cl. G09B 19/00 (2006.01) A62B 18/00 (2006.01)**
[25] EN
[54] **BREATHING EQUIPMENT TRAINING**
[54] **ENTRAINEMENT A L'EQUIPEMENT RESPIRATOIRE**
[72] DICKSTEIN, JUSTIN CLAYTON, US
[72] MOUSSA, MICHAEL R., US
[72] SAVOIE, STEPHEN HILTON, US
[71] BLAST MASK, LLC, US
[22] 2018-01-23
[41] 2019-02-14
[30] US (15/676862) 2017-08-14

[21] **3,000,873**
[13] A1

[51] **Int.Cl. F03B 13/14 (2006.01) F03G 3/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR WAVE AMPLIFYING, WAVE ENERGY HARNESSING, AND ENERGY STORAGE**
[54] **SYSTEME D'AMPLIFICATION DES VAGUES, DE RECOLTE D'ENERGIE DES VAGUES ET STOCKAGE D'ENERGIE**
[72] ANGELIEV, CVETAN, CA
[71] ANGELIEV, CVETAN, CA
[22] 2018-04-06
[41] 2019-02-11
[30] US (15/675,150) 2017-08-11

[21] **3,002,083**
[13] A1

[51] **Int.Cl. B60W 30/095 (2012.01) B60W 30/09 (2012.01)**
[25] EN
[54] **AUTOMATED DETECTION AND AVOIDANCE SYSTEM**
[54] **SYSTEME AUTOMATISE DE DETECTION ET EVITEMENT**
[72] MOSHER, AARON Y., US
[72] SPINELLI, CHARLES B., US
[72] COOK, MORGAN E., US
[71] THE BOEING COMPANY, US
[22] 2018-04-17
[41] 2019-02-11
[30] US (15/675,591) 2017-08-11

**Demandes canadiennes mises à la disponibilité du public
10 février 2019 au 16 février 2019**

[21] **3,005,576**
[13] A1

[51] **Int.Cl. A47J 37/07 (2006.01) A45F 3/00 (2006.01) F24C 1/16 (2006.01)**

[25] EN

[54] **PORTABLE COOKING GRILL SYSTEM**

[54] **SYSTEME DE GRILL DE CUISSON PORTATIF**

[72] HOFER, GREG, CA

[71] HOFER, GREG, CA

[22] 2018-05-22

[41] 2019-02-16

[30] US (15678539) 2017-08-16

[21] **3,006,207**
[13] A1

[51] **Int.Cl. B65G 53/40 (2006.01) A01C 5/06 (2006.01) A01C 7/08 (2006.01) A01C 7/20 (2006.01) B65G 53/08 (2006.01) F16H 59/00 (2006.01) F16H 63/24 (2006.01) G05D 7/00 (2006.01)**

[25] EN

[54] **METERING SYSTEM FOR AN AGRICULTURAL SYSTEM**

[54] **SYSTEME DE MESURE DESTINE A UN SYSTEME AGRICOLE**

[72] ENGEL, GORDON ANTHONY, CA

[72] ERKER, GREGORY JACOB, CA

[72] RAPLEY, ANTHONY CHARLES, CA

[71] CNH INDUSTRIAL CANADA, LTD., CA

[22] 2018-05-25

[41] 2019-02-10

[30] US (15/673,600) 2017-08-10

[21] **3,006,370**
[13] A1

[51] **Int.Cl. A01G 23/081 (2006.01) H02K 99/00 (2014.01) A01G 23/091 (2006.01) H02J 15/00 (2006.01)**

[25] EN

[54] **ELECTRIC TREE FELLING HEAD AND ASSOCIATED CONTROL SYSTEM FOR A FORESTRY VEHICLE**

[54] **TETE DE COUPE D'ARBRE ELECTRIQUE ET SYSTEME DE CONTROLE ASSOCIE DESTINE A UN VEHICULE FORESTIER**

[72] AGRAWAL, BHUPESH, IN

[72] WEST, SEAN PATRICK, US

[71] DEERE & COMPANY, US

[22] 2018-05-28

[41] 2019-02-11

[30] US (15/674,991) 2017-08-11

[21] **3,006,824**
[13] A1

[51] **Int.Cl. F22G 7/00 (2006.01) E21B 43/24 (2006.01) F22G 3/00 (2006.01)**

[25] EN

[54] **ONCE THROUGH STEAM GENERATOR WITH 100% QUALITY STEAM OUTPUT**

[54] **GENERATEUR DE VAPEUR A PASSAGE UNIQUE**

[72] YU, JINJUN, CA

[71] CANADA J-R CONSULTING INC., CA

[22] 2018-05-31

[41] 2019-02-10

[30] US (15674207) 2017-08-10

[21] **3,007,173**
[13] A1

[51] **Int.Cl. G09B 9/00 (2006.01) G09B 9/08 (2006.01) H04L 29/06 (2006.01)**

[25] EN

[54] **SIMULATION OF AN ASSET INCLUDING MESSAGE PLAYBACK USING NESTED HASH TABLES**

[54] **SIMULATION D'UN ACTIF COMPRENANT LA LECTURE DE MESSAGE AU MOYEN DE TABLES DE HACHAGE IMBRIQUEES**

[72] MALEPORT, JOEL J., US

[71] THE BOEING COMPANY, US

[22] 2018-06-01

[41] 2019-02-11

[30] US (15/674,812) 2017-08-11

[21] **3,007,195**
[13] A1

[51] **Int.Cl. D04H 1/54 (2012.01) B29C 70/28 (2006.01)**

[25] EN

[54] **HYBRID NON-WOVEN COMPOSITE PART**

[54] **PIECE COMPOSITE NON TISSEE HYBRIDE**

[72] OGALE, AMOL, US

[71] THE BOEING COMPANY, US

[22] 2018-06-01

[41] 2019-02-14

[30] US (15/676,522) 2017-08-14

[21] **3,008,090**
[13] A1

[51] **Int.Cl. B64C 1/06 (2006.01) B64F 5/10 (2017.01) B64C 3/18 (2006.01)**

[25] EN

[54] **METHODS AND APPARATUS TO INCREASE STRENGTH AND TOUGHNESS OF AIRCRAFT STRUCTURAL COMPONENTS**

[54] **METHODES ET APPAREILS PERMETTANT D'AUGMENTER LA SOLIDITE ET LA RESISTANCE DES COMPOSANTES STRUCTURALES D'AERONEF**

[72] CHENG, JIANGTIAN, US

[72] BEHZADPOUR, FOROUZAN, US

[71] THE BOEING COMPANY, US

[22] 2018-06-12

[41] 2019-02-14

[30] US (15/676,047) 2017-08-14

[21] **3,008,811**
[13] A1

[51] **Int.Cl. A01C 7/08 (2006.01) A01C 7/20 (2006.01)**

[25] EN

[54] **PURGING SYSTEM FOR MULTIPLE VARIETY SEED METER**

[54] **SYSTEME DE PURGE DESTINE A UN DOSEUR DE SEMENCES DE VARIETE MULTIPLE**

[72] SCHOENY, CHRISTOPHER, US

[72] JOHNSON, CHAD M., US

[71] CNH INDUSTRIAL AMERICA LLC, US

[22] 2018-06-19

[41] 2019-02-16

[30] US (15/678,231) 2017-08-16

**Canadian Applications Open to Public Inspection
February 10, 2019 to February 16, 2019**

[21] **3,008,815**
[13] A1

[51] **Int.Cl. A01C 7/08 (2006.01) A01C 7/20 (2006.01)**
[25] EN
[54] **MULTIPLE VARIETY SEED METER WITH SEGMENTED FEED PIPE SYSTEM**
[54] **DOSEUR DE SEMENCES DE VARIETE MULTIPLE DOTE D'UN SYSTEME DE TUYAU D'ALIMENTATION SEGMENTE**
[72] SCHOENY, CHRISTOPHER, US
[72] JOHNSON, CHAD M., US
[71] CNH INDUSTRIAL AMERICA LLC, US
[22] 2018-06-19
[41] 2019-02-16
[30] US (15/678,215) 2017-08-16

[21] **3,012,353**
[13] A1

[51] **Int.Cl. E04B 1/41 (2006.01) E04B 21/14 (2006.01)**
[25] EN
[54] **LIFT ANCHOR FOR PRECAST CONCRETE COMPONENT**
[54] **ANCRAGE DE LEVAGE DESTINE A UNE COMPOSANTE EN BETON PREMOULEE**
[72] JABLONSKY, DAVID S., US
[71] ALP SUPPLY, INC., US
[22] 2018-07-25
[41] 2019-02-10
[30] US (62/543,441) 2017-08-10

[21] **3,012,378**
[13] A1

[51] **Int.Cl. F23G 5/46 (2006.01) F02C 6/00 (2006.01)**
[25] EN
[54] **POWER-GENERATION SYSTEM HAVING A COMBINED HEAT AND POWER PLANT AND METHOD FOR POWER GENERATION**
[54] **SYSTEME DE GENERATION D'ELECTRICITE COMPRENANT UNE CENTRALE COMBINEE DE CHAUFFAGE ET D'ELECTRICITE ET METHODE DE GENERATION D'ELECTRICITE**
[72] VON RAVEN, ROBERT, DE
[72] MARTIN, ULRICH, DE
[72] SCHONSTEINER, MAX JOSEF, DE
[71] MARTIN GMBH FUR UMWELT-UND ENERGIETECHNIK, DE
[22] 2018-07-24
[41] 2019-02-10
[30] DE (10 2017 007 547.6) 2017-08-10

[21] **3,012,509**
[13] A1

[51] **Int.Cl. A61B 34/30 (2016.01) A61B 34/00 (2016.01) A61B 34/35 (2016.01) A61B 34/37 (2016.01) A61B 90/90 (2016.01) G16H 40/20 (2018.01)**
[25] EN
[54] **METHOD FOR THE APPROVAL CONTROL OF A SURGICAL INSTRUMENT TO BE USED IN A SURGICAL ROBOT SYSTEM AND SURGICAL ROBOT SYSTEM**
[54] **METHODE DE CONTROLE D'APPROBATION D'UN INSTRUMENT CHIRURGICAL A UTILISER DANS UN SYSTEME DE ROBOT CHIRURGICAL ET SYSTEME DE ROBOT CHIRURGICAL**
[72] SEEBER, MARCEL, DE
[72] WITT, ROBERTO, DE
[71] AVATERAMEDICAL GMBH, DE
[22] 2018-07-26
[41] 2019-02-11
[30] DE (10 2017 118 347.7) 2017-08-11

[21] **3,012,517**
[13] A1

[51] **Int.Cl. F23R 3/42 (2006.01) F02C 3/14 (2006.01) F23R 3/52 (2006.01)**
[25] EN
[54] **VOLUTE COMBUSTOR FOR GAS TURBINE ENGINE**
[54] **CHAMBRE DE COMBUSTION A VOLUTE DESTINEE A UNE TURBINE A GAZ**
[72] MONTY, JOSEPH DOUGLAS, US
[72] JACOBSON, JOHN CARL, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2018-07-26
[41] 2019-02-10
[30] US (15/673,620) 2017-08-10

[21] **3,012,647**
[13] A1

[51] **Int.Cl. G06T 1/00 (2006.01) G06N 3/02 (2006.01) G06N 3/08 (2006.01)**
[25] EN
[54] **CONTENT BASED IMAGE MANAGEMENT AND SELECTION**
[54] **GESTION ET SELECTION D'IMAGES FONDEES SUR LE CONTENU**
[72] RAMESH, DIVYA, US
[72] FOLKENS, BRAD, US
[71] CLOUDSIGHT, INC., US
[22] 2018-07-26
[41] 2019-02-10
[30] US (62/543,771) 2017-08-10
[30] US (16/027,156) 2018-07-03

[21] **3,012,661**
[13] A1

[51] **Int.Cl. E21B 33/038 (2006.01) E21B 17/01 (2006.01)**
[25] EN
[54] **SUBSEA ROTATING CONTROL DEVICE APPARATUS HAVING DEBRIS BARRIER**
[54] **APPAREIL DE CONTROLE DE ROTATION SOUS-MARIN COMPORTANT UNE BARRIERE A DEBRIS**
[72] BARELA, JACOB A., US
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[22] 2018-07-27
[41] 2019-02-16
[30] US (15/678,222) 2017-08-16

Demandes canadiennes mises à la disponibilité du public
10 février 2019 au 16 février 2019

[21] **3,012,747**
[13] A1

[51] **Int.Cl. A61B 17/068 (2006.01) A61M 36/04 (2006.01)**
 [25] EN
 [54] **BRACHYTHERAPY STAPLE CAPTURE BUTTRESS**
 [54] **BUTTEE DE CAPTURE D'AGRAFE DE BRACHYTHERAPIE**
 [72] TAYLOR, JOSEPH J., US
 [71] COVIDIEN LP, US
 [22] 2018-07-30
 [41] 2019-02-11
 [30] US (62/544,037) 2017-08-11
 [30] US (16/037,229) 2018-07-17

[21] **3,012,917**
[13] A1

[51] **Int.Cl. E04F 21/18 (2006.01)**
 [25] EN
 [54] **PANEL INSTALLATION APPARATUS**
 [54] **APPAREIL D'INSTALLATION DE PANNEAU**
 [72] GROSS, JACOB PETR, CA
 [72] BRKIC, ANTE, CA
 [71] RUWKA INC., CA
 [22] 2018-07-31
 [41] 2019-02-15
 [30] US (62/545,961) 2017-08-15

[21] **3,012,943**
[13] A1

[51] **Int.Cl. A61M 1/00 (2006.01) A61M 3/00 (2006.01) A61M 5/36 (2006.01)**
 [25] EN
 [54] **DETECTION OF BUBBLES IN IRRIGATION FLUID**
 [54] **DETECTION DE BULLES DANS UN FLUIDE D'IRRIGATION**
 [72] PERI, EITAN, IL
 [72] ZOUBI, ALAA, IL
 [72] BOTZER, LIOR, IL
 [71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
 [22] 2018-07-31
 [41] 2019-02-15
 [30] US (15/677,522) 2017-08-15

[21] **3,013,019**
[13] A1

[51] **Int.Cl. B61D 17/08 (2006.01) B61D 3/00 (2006.01)**
 [25] EN
 [54] **WELL CAR SIDE ASSEMBLY**
 [54] **MECANSIME LATERAL DE WAGON A EVIDEMENT CENTRAL**
 [72] SIVAKUMAR, GANESHAMOORTHY, US
 [72] ROBITAILLE, ANDREW, US
 [72] BRABB, DAVID C., US
 [72] PRABHAKARAN, ANAND, US
 [71] TRINITY RAIL GROUP, LLC, US
 [22] 2018-08-01
 [41] 2019-02-14
 [30] US (62/545,087) 2017-08-14
 [30] US (16/042,720) 2018-07-23

[21] **3,013,115**
[13] A1

[51] **Int.Cl. F23D 14/68 (2006.01) F23L 1/00 (2006.01) F23N 1/00 (2006.01)**
 [25] EN
 [54] **INLET SCREEN ASSEMBLY FOR ULTRA LOW NOX GAS-AIR MIXING SYSTEM**
 [54] **ENSEMBLE DE TAMIS D'ENTREE DESTINE A UN SYSTEME DE MELANGE AIR-GAZ NOX ULTRA FAIBLE**
 [72] KOWALD, GLENN W., US
 [71] LENNOX INDUSTRIES INC., US
 [22] 2018-08-02
 [41] 2019-02-10
 [30] US (15/674,313) 2017-08-10

[21] **3,013,116**
[13] A1

[51] **Int.Cl. F25B 49/02 (2006.01) F25B 5/02 (2006.01) F25B 9/00 (2006.01) F25B 40/04 (2006.01)**
 [25] EN
 [54] **SUPERHEAT CONTROL SCHEME**
 [54] **MECANISME DE CONTROLE DE SUPER CHALEUR**
 [72] NAJAFIFARD, FARDIS, US
 [71] HEATCRAFT REFRIGERATION PRODUCTS LLC, US
 [22] 2018-08-02
 [41] 2019-02-16
 [30] US (15/678,448) 2017-08-16

[21] **3,013,130**
[13] A1

[51] **Int.Cl. B23K 26/36 (2014.01) B23K 26/382 (2014.01) B23K 26/08 (2014.01) B23K 26/40 (2014.01)**
 [25] EN
 [54] **MANUFACTURE OF COOLING HOLES FOR CERAMIC MATRIX COMPOSITE COMPONENTS**
 [54] **FABRICATION DE TROUS DE REFROIDISSEMENT DESTINES AUX COMPOSANTES COMPOSITES A MATRICE CERAMIQUE**
 [72] PARVIS, ALAN JOSEPH, US
 [72] ANDREWS, TIMOTHY FRANCIS, US
 [72] BAILEY, MARK SAMUEL, US
 [71] GENERAL ELECTRIC COMPANY, US
 [22] 2018-08-02
 [41] 2019-02-16
 [30] US (15/678,510) 2017-08-16

[21] **3,013,131**
[13] A1

[51] **Int.Cl. F02C 7/06 (2006.01) C10M 103/06 (2006.01) C10M 107/38 (2006.01) F01D 25/18 (2006.01) F02C 7/36 (2006.01) F04D 29/02 (2006.01) F04D 29/043 (2006.01) F04D 29/06 (2006.01)**
 [25] EN
 [54] **TURBINE FAN SYSTEM AND METHOD**
 [54] **MECANISME DE VENTILATEUR DE TURBINE ET METHODE**
 [72] SACHDEVA, DEEPIKA, US
 [72] KASHFUDDOJA, MOHAMMAD, US
 [72] KAUSHIK, ANSHUL, US
 [72] JENKINS, ANDREW JAMES, US
 [72] RHOADS, MARK ALAN, US
 [71] GENERAL ELECTRIC COMPANY, US
 [22] 2018-08-02
 [41] 2019-02-11
 [30] US (15/674,570) 2017-08-11

**Canadian Applications Open to Public Inspection
February 10, 2019 to February 16, 2019**

[21] **3,013,137**
[13] A1

[51] **Int.Cl. F16C 35/063 (2006.01) B64D 35/00 (2006.01) F16H 1/28 (2006.01) F16H 57/02 (2012.01)**

[25] EN

[54] **POWER GEARBOX GEAR ARRANGEMENT**

[54] **DISPOSITIF D'ENGRENAGE DE BOITE D'ENGRENAGES ELECTRIQUE**

[72] HASTING, WILLIAM HOWARD, US
[72] BRADLEY, DONALD ALBERT, US
[72] ANTELO, RANDY THOMAS, US
[71] GENERAL ELECTRIC COMPANY, US

[22] 2018-08-02
[41] 2019-02-14
[30] US (15/675,878) 2017-08-14

[21] **3,013,139**
[13] A1

[51] **Int.Cl. F01D 9/02 (2006.01) B33Y 10/00 (2015.01) B22F 3/10 (2006.01) F01D 25/24 (2006.01)**

[25] EN

[54] **INLET FRAME FOR A GAS TURBINE ENGINE**

[54] **CADRE D'ENTREE DESTINE A UNE TURBINE A GAZ**

[72] SLAWINSKA, ESTERA, PL
[72] KORZEPSKI, KRZYSZTOF, PL
[72] MANTEIGA, JOHN ALAN, US
[72] KOLODZIEJCZYK, ARTUR, PL
[71] GENERAL ELECTRIC COMPANY, US

[71] GENERAL ELECTRIC COMPANY POLSKA SP.ZO.O, PL

[22] 2018-08-02
[41] 2019-02-14
[30] EP (17461587.2) 2017-08-14
[30] EP (17196072.7) 2017-10-12

[21] **3,013,144**
[13] A1

[51] **Int.Cl. G21G 1/04 (2006.01) C01G 53/00 (2006.01) G21G 1/10 (2006.01) H05H 6/00 (2006.01)**

[25] EN

[54] **TARGET ASSEMBLY AND NUCLIDE PRODUCTION SYSTEM**

[54] **MECANISME CIBLE ET SYSTEME DE PRODUCTION DE NUCLIDE**

[72] PARNASTE, MARTIN, SE
[71] GENERAL ELECTRIC COMPANY, US

[22] 2018-08-02
[41] 2019-02-15
[30] US (15/677,129) 2017-08-15

[21] **3,013,155**
[13] A1

[51] **Int.Cl. F01D 9/04 (2006.01) F01D 9/02 (2006.01) F01D 25/24 (2006.01)**

[25] EN

[54] **INLET FRAME FOR A GAS TURBINE ENGINE**

[54] **CADRE D'ENTREE DESTINE A UNE TURBINE A GAZ**

[72] SLAWINSKA, ESTERA, PL
[72] KORZEPSKI, KRZYSZTOF, PL
[72] KOLODZIEJCZYK, ARTUR, PL
[72] MANTEIGA, JOHN ALAN, PL
[71] GENERAL ELECTRIC COMPANY, US

[71] GENERAL ELECTRIC COMPANY POLSKA SP.ZO.O, PL

[22] 2018-08-02
[41] 2019-02-14
[30] EP (17461586.4) 2017-08-14
[30] EP (17196075.0) 2017-10-12

[21] **3,013,156**
[13] A1

[51] **Int.Cl. B64C 11/18 (2006.01)**

[25] EN

[54] **LOW-NOISE AIRFOIL FOR AN OPEN ROTOR**

[54] **PROFIL AERODYNAMIQUE A FAIBLE BRUIT DESTINE A UN ROTOR OUVERT**

[72] TWEEDT, DANIEL LAWRENCE, US
[71] GENERAL ELECTRIC COMPANY, US

[22] 2018-08-02
[41] 2019-02-11
[30] US (15/675,239) 2017-08-11

[21] **3,013,382**
[13] A1

[51] **Int.Cl. H01L 31/18 (2006.01) H01L 31/0203 (2014.01) H01L 31/042 (2014.01)**

[25] EN

[54] **PACKAGING METHOD FOR PHOTOVOLTAIC MODULE**

[54] **METHODE DE CONDITIONNEMENT DE MODULE PHOTOVOLTAIQUE**

[72] HUO, YANYIN, CN
[72] CAO, ZHIFENG, CN
[71] BEIJING APOLLO DING RONG SOLAR TECHNOLOGY CO., LTD., CN

[22] 2018-08-03
[41] 2019-02-11
[30] CN (201710685904.6) 2017-08-11

[21] **3,013,385**
[13] A1

[51] **Int.Cl. B01D 53/047 (2006.01) F25J 3/00 (2006.01)**

[25] EN

[54] **A RAPID CYCLE PRESSURE SWING ADSORPTION PROCESS AND ADSORBENT LAMINATES FOR USE THEREIN**

[54] **UN PROCEDE D'ADSORPTION A BASCULE DE PRESSION A CYCLE RAPIDE ET LAMELLES ADSORBANTS DESTINES AUDIT PROCEDE**

[72] LIU, JINZHONG, CA
[72] LI, WU, CA
[72] GOLDEN, TIMOTHY CHRISTOPHER, FR

[71] AIR PRODUCTS AND CHEMICALS, INC., US

[22] 2018-08-03
[41] 2019-02-10
[30] US (15/673,791) 2017-08-10

[21] **3,013,483**
[13] A1

[51] **Int.Cl. G04C 21/00 (2006.01) G04G 21/00 (2010.01)**

[25] EN

[54] **CLOCK**

[54] **HORLOGE**

[72] SALATANDRE, EDGAR D., CA
[71] SALATANDRE, EDGAR D., CA
[22] 2018-08-07
[41] 2019-02-11
[30] US (62/544,063) 2017-08-11

[21] **3,013,592**
[13] A1

[51] **Int.Cl. A61L 2/16 (2006.01) A61B 90/70 (2016.01) A61B 1/00 (2006.01)**

[25] EN

[54] **VOLUME EXPANDERS FOR ENDOSCOPES**

[54] **EXPANSEURS DE VOLUME DESTINES A DES ENDOSCOPES**

[72] MORRISON, TODD, US
[71] ETHICON, INC., US

[22] 2018-08-08
[41] 2019-02-10
[30] US (15/674,000) 2017-08-10

**Demandes canadiennes mises à la disponibilité du public
10 février 2019 au 16 février 2019**

[21] **3,013,595**
[13] A1

[51] **Int.Cl. A61B 8/00 (2006.01) A61B 90/00 (2016.01) G06T 7/30 (2017.01) A61B 5/05 (2006.01) A61B 6/03 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR PERFORMING FACIAL REGISTRATION**

[54] **METHODE ET APPAREIL D'EXECUTION DE L'ENREGISTREMENT FACIAL**

[72] GOVARI, ASSAF, IL

[72] GLINER, VADIM, IL

[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL

[22] 2018-08-08

[41] 2019-02-10

[30] US (15/673,824) 2017-08-10

[30] US (15/673,833) 2017-08-10

[21] **3,013,613**
[13] A1

[51] **Int.Cl. F16L 33/08 (2006.01) F16L 33/32 (2006.01)**

[25] EN

[54] **HOSE CLAMP WITH INTEGRAL CLAWS**

[54] **PINCE DE TUYAU DOTEE DE PATTES DE SERRAGE INTEGRALES**

[72] CRUSON, BRIAN, CA

[71] TREAD ENTERPRISES LTD., CA

[22] 2018-08-08

[41] 2019-02-11

[30] US (15784606) 2017-10-16

[30] US (62544257) 2017-08-11

[21] **3,013,710**
[13] A1

[51] **Int.Cl. A61M 25/02 (2006.01)**

[25] EN

[54] **CATHETER ANCHOR SYSTEM AND METHOD THEREOF**

[54] **SYSTEME D'ANCRAGE DE CATHETER ET METHODE ASSOCIEE**

[72] OVERSTREET, MYCHAEL A., US

[72] OVERSTREET, SONYA Y., US

[71] OVERSTREET, MYCHAEL A., US

[71] OVERSTREET, SONYA Y., US

[22] 2018-08-09

[41] 2019-02-10

[30] US (16/027,300) 2018-07-04

[30] US (62/543,428) 2017-08-10

[21] **3,013,716**
[13] A1

[51] **Int.Cl. A61M 1/00 (2006.01) A61B 34/20 (2016.01)**

[25] EN

[54] **A MEDICAL SUCTION TOOL FOR A EUSTACHIAN TUBE**

[54] **UN OUTIL D'ASPIRATION MEDICAL DESTINE A UNE TROMPE D'EUSTACHE**

[72] GLINER, VADIM, IL

[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL

[22] 2018-08-09

[41] 2019-02-10

[30] US (15/674,369) 2017-08-10

[21] **3,013,724**
[13] A1

[51] **Int.Cl. A01F 15/08 (2006.01) A01F 15/07 (2006.01) B65B 11/00 (2006.01) B65B 41/16 (2006.01)**

[25] EN

[54] **HYDRAULIC BRAKE FOR WRAP MATERIAL**

[54] **FREIN HYDRAULIQUE DESTINE A UN MATERIAU D'EMBALLAGE**

[72] TALSMA, STEVEN D., US

[72] HARTWICK, TY, US

[71] VERMEER MANUFACTURING COMPANY, US

[22] 2018-08-08

[41] 2019-02-11

[30] US (62/544,549) 2017-08-11

[30] US (62/547,598) 2017-08-18

[21] **3,013,729**
[13] A1

[51] **Int.Cl. G06Q 30/00 (2012.01) G06K 7/10 (2006.01) G06K 9/18 (2006.01)**

[25] EN

[54] **SCANNABLE RECIPE CARD TO ASSOCIATE PURCHASES WITH A RECIPE**

[54] **FICHE DE RECETTE NUMERISABLE DESTINEE AUX ACHATS ASSOCIES A UNE RECETTE**

[72] IANNONE, LOUIS A., US

[71] IANNONE, LOUIS A., US

[22] 2018-08-09

[41] 2019-02-10

[30] US (62/543,602) 2017-08-10

[30] US (15/911,090) 2018-03-03

[21] **3,013,738**
[13] A1

[51] **Int.Cl. G01B 7/004 (2006.01) A61B 5/06 (2006.01) G01C 9/00 (2006.01)**

[25] EN

[54] **TRACKING A SENSOR THAT INCLUDES A FERROFLUID**

[54] **SURVEILLANCE D'UN CAPTEUR QUI COMPORTE UN FERROFLUIDE**

[72] MIKUSZEIT, NIKOLAI, DE

[71] NORTHERN DIGITAL INC., CA

[22] 2018-08-09

[41] 2019-02-10

[30] US (62/543686) 2017-08-10

[21] **3,013,739**
[13] A1

[51] **Int.Cl. A61B 5/06 (2006.01) A61B 17/72 (2006.01)**

[25] EN

[54] **TRACKING A CYLINDRICAL OPENING**

[54] **SURVEILLANCE D'UNE OUVERTURE CYLINDRIQUE**

[72] MIKUSZEIT, NIKOLAI, DE

[72] SCHILLING, CHRISTIAN, CH

[72] ZERRES, OLAF, DE

[72] BRUNNER, GEORG, DE

[72] KIRSCH, STEFAN R., DE

[72] ASHE, WESTLEY S., DE

[72] SCHNEIDER, MARK ROBERT, US

[72] KOGAN, VLADIMIR F., US

[71] NORTHERN DIGITAL INC., CA

[22] 2018-08-09

[41] 2019-02-10

[30] US (62/543713) 2017-08-10

[21] **3,013,741**
[13] A1

[51] **Int.Cl. B62D 25/20 (2006.01)**

[25] EN

[54] **TRANSVERSE BEAM FOR COMPOSITE FLOOR STRUCTURE AND METHOD OF MAKING THE SAME**

[54] **POUTRE TRANSVERSALE DE PLANCHER EN COMPOSITE ET METHODE DE FABRICATION ASSOCIEE**

[72] MCCLOUD, TRAVIS SMITH, US

[72] STORZ, SCOTT A., US

[72] WYLEZINSKI, ANDRZEJ, US

[72] REICHARD, RONNAL P., US

[72] LEWIT, SCOTT M., US

[71] WABASH NATIONAL, L.P., US

[22] 2018-08-09

[41] 2019-02-10

[30] US (62/543467) 2017-08-10

**Canadian Applications Open to Public Inspection
February 10, 2019 to February 16, 2019**

[21] **3,013,746**
[13] A1

[51] **Int.Cl. G09G 5/393 (2006.01) G06T 19/00 (2011.01) A61B 34/00 (2016.01) A61B 34/20 (2016.01)**

[25] EN

[54] **METHOD, SYSTEM AND APPARATUS FOR SURFACE RENDERING USING MEDICAL IMAGING DATA**

[54] **METHODE, SYSTEME ET APPAREIL DE RENDU DE SURFACE A PARTIR DE DONNEES D'IMAGERIE MEDICALE**

[72] GALLOP, DAVID BRUCE, CA

[72] CHEN, SEAN JY-SHYANG, CA

[71] SYNAPTIVE MEDICAL (BARBADOS) INC., CA

[22] 2018-08-09

[41] 2019-02-16

[30] US (15/678529) 2017-08-16

[21] **3,013,747**
[13] A1

[51] **Int.Cl. A61F 2/28 (2006.01) A61F 2/30 (2006.01)**

[25] EN

[54] **APPARATUS FOR DISTAL FIBULA REPLACEMENT, AND RELATED METHODS**

[54] **APPAREILS DE REMPLACEMENT DE FIBULE DISTALE, ET METHODES ASSOCIEES**

[72] WARNER, MEREDITH, US

[71] HAYWARD SURGICAL, L.L.C., US

[22] 2018-08-09

[41] 2019-02-10

[30] US (62/543,689) 2017-08-10

[30] US (15/786,327) 2017-10-17

[21] **3,013,757**
[13] A1

[51] **Int.Cl. F02C 3/04 (2006.01) B64D 35/00 (2006.01) F02K 3/04 (2006.01)**

[25] EN

[54] **GAS TURBINE ENGINE**

[54] **TURBINE A GAZ**

[72] POINTON, JAMES M., GB

[72] BRADBROOK, STEPHEN J., GB

[71] ROLLS-ROYCE PLC, GB

[22] 2018-08-09

[41] 2019-02-14

[30] GB (1712993.3) 2017-08-14

[21] **3,013,811**
[13] A1

[51] **Int.Cl. H04W 88/08 (2009.01) H04W 84/12 (2009.01) H02J 7/00 (2006.01)**

[25] EN

[54] **AUXILIARY BASE UNIT WITH INDEPENDENT WIRELESS AUGMENTATION**

[54] **MODULE DE BASE AUXILIAIRE A AUGMENTATION SANS FIL INDEPENDANTE**

[72] BRENNAN, KEVIN, US

[71] NINETY7, INC., US

[22] 2018-08-10

[41] 2019-02-15

[30] US (62/545,828) 2017-08-15

[30] US (15/967,178) 2018-04-30

[21] **3,013,827**
[13] A1

[51] **Int.Cl. B60R 3/00 (2006.01)**

[25] EN

[54] **EXTRUDED SUPPORT MEMBERS FOR FACILITATING ACCESS TO A VEHICLE AND RELATED METHODS**

[54] **ELEMENTS DE SUPPORT EXTRUDES DESTINES A FACILITER L'ACCES A UN VEHICULE ET METHODES ASSOCIEES**

[72] CRANDALL, ROBERT, US

[71] CRANDALL, ROBERT, US

[22] 2018-08-10

[41] 2019-02-11

[30] US (62/544515) 2017-08-11

[30] US (62/578651) 2017-10-30

[30] US (62/580382) 2017-11-01

[21] **3,013,836**
[13] A1

[51] **Int.Cl. A01F 15/00 (2006.01) A01B 76/00 (2006.01) A01F 15/08 (2006.01) B60D 1/24 (2006.01) B60D 1/48 (2006.01) B60D 1/58 (2006.01)**

[25] EN

[54] **SELF-PROPELLED VEHICLES WITH EXTENDABLE DEVICES**

[54] **VEHICULES AUTOPROPULSES EQUIPEES DE DISPOSITIFS DEPLOYABLES**

[72] GRAHAM, CURT T., US

[72] THOMPSON, KENT L., US

[72] DOCKTER, NATHAN D., US

[72] RECKER, KENT M., US

[71] VERMEER MANUFACTURING COMPANY, US

[22] 2018-08-10

[41] 2019-02-11

[30] US (62/544144) 2017-08-11

[30] US (62/547419) 2017-08-18

[21] **3,013,837**
[13] A1

[51] **Int.Cl. B62D 15/02 (2006.01)**

[25] EN

[54] **SELF-PROPELLED VEHICLES HAVING A STEERING POSITION SENSOR**

[54] **VEHICULES AUTOPROPULSES EQUIPEES D'UN CAPTEUR DE POSITION DE DIRECTION**

[72] DOCKTER, NATHAN D., US

[72] RECKER, KENT M., US

[72] THOMPSON, KENT L., US

[72] GRAHAM, CURT T., US

[71] VERMEER MANUFACTURING COMPANY, US

[22] 2018-08-10

[41] 2019-02-11

[30] US (62/544132) 2017-08-11

[21] **3,013,873**
[13] A1

[51] **Int.Cl. B65G 15/08 (2006.01) B65G 15/58 (2006.01)**

[25] EN

[54] **MAGNETIC SEAL FOR CONVEYOR BELT ASSEMBLY**

[54] **JOINT MAGNETIQUE DE MECANISME DE COURROIE DE TRANSPORTEUR**

[72] NIX, STEVIE K., US

[71] JOY GLOBAL UNDERGROUND MINING LLC, US

[22] 2018-08-10

[41] 2019-02-16

[30] US (15/678,521) 2017-08-16

**Demandes canadiennes mises à la disponibilité du public
10 février 2019 au 16 février 2019**

[21] **3,013,885**
[13] A1

[51] **Int.Cl. A01F 25/14 (2006.01) B65G 33/08 (2006.01)**
[25] EN
[54] **AGRICULTURAL BIN**
[54] **BAC D'AGRICULTURE**
[72] HUTCHEON, GEORGE BRUCE, AU
[72] HUTCHEON, HEATH JOHN, AU
[71] COOLAMON STEELWORKS PTY LTD, AU
[22] 2018-08-10
[41] 2019-02-10
[30] AU (2017903187) 2017-08-10

[21] **3,013,888**
[13] A1

[51] **Int.Cl. G02B 17/00 (2006.01) G02B 5/12 (2006.01) G02B 5/30 (2006.01) G02B 27/10 (2006.01)**
[25] EN
[54] **TRANSMISSIVE AERIAL IMAGE DISPLAY**
[54] **AFFICHAGE D'IMAGE AERIENNE TRANSMISSIBLE**
[72] RADEL, JASON CARL, CA
[72] PETRUZZIELLO, FERNANDO, CA
[71] 8259402 CANADA INC., CA
[22] 2018-08-10
[41] 2019-02-11
[30] US (62/544,121) 2017-08-11

[21] **3,013,903**
[13] A1

[51] **Int.Cl. A61M 25/02 (2006.01) A61F 15/00 (2006.01)**
[25] EN
[54] **CATHETER PROTECTOR**
[54] **PROTECTEUR DE CATHETER**
[72] JUTRAS, MONIQUE, CA
[71] CONCEPT H2-ITEX INC., CA
[22] 2018-08-10
[41] 2019-02-10
[30] US (62/543,539) 2017-08-10

[21] **3,013,910**
[13] A1

[51] **Int.Cl. C10G 19/02 (2006.01) B01F 3/08 (2006.01) B01F 3/22 (2006.01) B01F 5/18 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REDUCTION OF THE TOTAL ACID NUMBER IN CRUDE OIL**
[54] **SYSTEME ET METHODE DE REDUCTION DE L'INDICE D'ACIDITE TOTALE DANS LE PETROLE BRUT**
[72] RANDAL, CHAD ALLEN, CA
[71] AMPERAGE ENERGY INC., CA
[22] 2018-08-10
[41] 2019-02-10
[30] US (62/543633) 2017-08-10

[21] **3,013,919**
[13] A1

[51] **Int.Cl. B60G 17/016 (2006.01) B60W 40/11 (2012.01) A01B 15/20 (2006.01) A01B 63/00 (2006.01) A01F 15/07 (2006.01) A01F 15/08 (2006.01) B60G 17/019 (2006.01)**
[25] EN
[54] **SELF-PROPELLED VEHICLES WITH PITCH CONTROL**
[54] **VEHICULES AUTOPROPULSES EQUIPEES DE CONTROLE DE PAS**
[72] DOCKTER, NATHAN D., US
[71] VERMEER MANUFACTURING COMPANY, US
[22] 2018-08-10
[41] 2019-02-11
[30] US (62/544139) 2017-08-11
[30] US (62/586453) 2017-11-15

[21] **3,013,923**
[13] A1

[51] **Int.Cl. F21K 9/60 (2016.01) F21K 9/00 (2016.01) F21K 9/64 (2016.01) F21K 9/68 (2016.01) H01S 5/00 (2006.01)**
[25] EN
[54] **LIGHT EMITTING DEVICE**
[54] **DISPOSITIF EMETTEUR DE LUMIERE**
[72] MIURA, SOICHIRO, JP
[71] NICHIA CORPORATION, JP
[22] 2018-08-10
[41] 2019-02-16
[30] JP (2017-157063) 2017-08-16

[21] **3,013,938**
[13] A1

[51] **Int.Cl. D06M 15/03 (2006.01) C11D 1/02 (2006.01) C11D 3/37 (2006.01) D06M 11/58 (2006.01)**
[25] EN
[54] **USE OF THE COMBINATION OF A CATIONIC POLYSACCHARIDE POLYMER AND AN ANIONIC NON-SOAP SURFACTANT**
[54] **UTILISATION DE LA COMBINAISON D'UN POLYMERE POLYSACCHARIDE CATIONIQUE ET D'UN SURFACTANT SANS SAVON ANIONIQUE**
[72] BOUNIOL, AUDREY CLAIRE FRANCOISE, BE
[72] LINTULA, NEA JANETTE, BE
[72] BOUTIQUE, JEAN-POL, BE
[72] DEPOOT, KAREL JOZEF MARIA, BE
[71] THE PROCTER & GAMBLE COMPANY, US
[22] 2018-08-10
[41] 2019-02-11
[30] EP (17185933.3) 2017-08-11

[21] **3,013,964**
[13] A1

[51] **Int.Cl. C12N 5/10 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A01N 63/02 (2006.01) A01P 5/00 (2006.01) A01P 21/00 (2006.01) C07K 14/415 (2006.01) C12N 5/04 (2006.01) C12N 9/14 (2006.01) C12N 15/29 (2006.01) C12N 15/55 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR RESISTANCE TO CYST NEMATODES IN PLANTS**
[54] **METHODES ET COMPOSITIONS DE RESISTANCE AUX NEMATODES DES RACINES DANS LES VEGETAUX**
[72] BENT, ANDREW FARMER, US
[72] BAYLESS, ADAM MILTON, US
[72] ZAPOTOCNY, RYAN W., US
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
[22] 2018-08-13
[41] 2019-02-12
[30] US (62/544,824) 2017-08-12
[30] US (62/544,856) 2017-08-13

**Canadian Applications Open to Public Inspection
February 10, 2019 to February 16, 2019**

[21] **3,013,976**
[13] A1

[51] **Int.Cl. B23K 9/127 (2006.01) B23K 9/025 (2006.01) B23K 9/028 (2006.01) B23K 9/16 (2006.01) B23K 9/23 (2006.01)**

[25] EN
[54] **METHOD FOR MANUFACTURING COMPONENT**
[54] **METHODE DE FABRICATION DE COMPOSANT**

[72] UMEKAWA, KENGO, JP
[72] NAKAZONO, YUJI, JP
[72] HATTORI, SHINICHIRO, JP
[72] SAKIMOTO, NOBUYA, JP
[71] FUTABA INDUSTRIAL CO., LTD., JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2018-08-13
[41] 2019-02-14
[30] JP (JP2017-156590) 2017-08-14

[21] **3,013,978**
[13] A1

[51] **Int.Cl. A01K 97/05 (2006.01) A01K 97/04 (2006.01)**

[25] EN
[54] **BAIT CONTAINER**
[54] **CONTENANT D'APPAT**

[72] GNIFFKE, GARY, US
[71] ANGLING INNOVATIONS LLC, US
[22] 2018-08-13
[41] 2019-02-14
[30] CA (15/675,964) 2017-08-14

[21] **3,013,987**
[13] A1

[51] **Int.Cl. E21B 33/128 (2006.01) E21B 33/12 (2006.01)**

[25] EN
[54] **A SAFETY PLUG**
[54] **UN BOUCHON DE SURETE**

[72] SUTTON, LEIGH MAURICE, AU
[71] RATTLEJACK INNOVATIONS PTY LTD, AU
[22] 2018-08-13
[41] 2019-02-14
[30] AU (2017903245) 2017-08-14
[30] AU (2018900744) 2018-03-07

[21] **3,013,997**
[13] A1

[51] **Int.Cl. E04B 1/38 (2006.01) E04B 1/00 (2006.01) E04B 5/00 (2006.01) E04G 3/00 (2006.01) E04G 5/04 (2006.01)**

[25] EN
[54] **DECK MOUNTING SYSTEM**
[54] **SYSTEME DE MONTAGE D'UNE PLATEFORME**

[72] STUDER, PAUL, US
[72] FRIMMING, MICHAEL, US
[72] STUDER, MICHAEL A., US
[72] ROENKER, DONALD, US
[71] STUDER RESIDENTIAL DESIGNS, INC., US
[22] 2018-08-13
[41] 2019-02-14
[30] US (15/676,269) 2017-08-14

[21] **3,013,999**
[13] A1

[51] **Int.Cl. F16K 15/02 (2006.01) F04B 53/10 (2006.01) F16K 1/36 (2006.01)**

[25] EN
[54] **MULTI-PART VALVE ASSEMBLY**
[54] **MECANISME DE VANNE MULTIPIECE**

[72] JOHNSON, DANIEL E., US
[72] COX, EDWARD P., US
[72] PITZER, STARR L., JR., US
[71] VALVEWORKS, LLC, US
[22] 2018-08-13
[41] 2019-02-14
[30] US (15/676,624) 2017-08-14

[21] **3,014,003**
[13] A1

[51] **Int.Cl. A61C 7/08 (2006.01) A61C 7/00 (2006.01)**

[25] EN
[54] **ORTHODONTIC CORRECTION DEVICE**
[54] **DISPOSITIF DE CORRECTION ORTHODONTIQUE**

[72] HUNG, CHENG-HSIANG, CN
[71] HUNG, CHENG-HSIANG, CN
[22] 2018-08-13
[41] 2019-02-14
[30] US (62/545047) 2017-08-14

[21] **3,014,123**
[13] A1

[51] **Int.Cl. F01M 1/02 (2006.01) B62D 55/07 (2006.01) F01M 1/16 (2006.01) F02B 39/14 (2006.01)**

[25] EN
[54] **PRESSURIZED OIL SYSTEM POWERED BY TWO-STROKE ENGINE**
[54] **SYSTEME D'HUILE SOUS PRESSION ALIMENTEE PAR UN MOTEUR DEUX-TEMPS**

[72] FUHRMAN, ALEXANDER KONRAD, US
[72] HAYES, RYAN DOUGLAS, US
[72] ELLSWORTH, ANDREW JON, US
[72] CHRISTENSEN, CORD, US
[72] SABO, DAVID MARK, US
[72] KVENVOLD, DEREK ROBERT, US
[71] ARCTIC CAT INC., US
[22] 2018-08-14
[41] 2019-02-15
[30] US (62/545,824) 2017-08-15

[21] **3,014,126**
[13] A1

[51] **Int.Cl. A01K 27/00 (2006.01)**

[25] EN
[54] **INTERLINKING COLLAR COMPONENTS AND COLLAR DEVICES INCLUDING THE SAME**
[54] **COMPOSANTES DE COLLIER D'INTERLIAISON ET DISPOSITIFS DE COLLIER COMPORTANT LESDITES COMPOSANTES**

[72] BENJAMIN, NATHANAEL, US
[71] BENJAMIN, NATHANAEL, US
[22] 2018-08-10
[41] 2019-02-11
[30] US (62/544,513) 2017-08-11

[21] **3,014,128**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) G06F 21/32 (2013.01) A61B 5/117 (2016.01) G06F 3/01 (2006.01)**

[25] EN
[54] **METHODS AND SYSTEMS FOR CAPTURING BIOMETRIC DATA**
[54] **METHODES ET SYSTEMES DE CAPTAGE DE DONNEES BIOMETRIQUES**

[72] PEREZ-ROVIRA, ADRIA, ES
[71] DAON HOLDINGS LIMITED, KY
[22] 2018-08-13
[41] 2019-02-16
[30] US (15/678,314) 2017-08-16

Demandes canadiennes mises à la disponibilité du public
10 février 2019 au 16 février 2019

[21] **3,014,138**
[13] A1

[51] **Int.Cl. A01K 80/00 (2006.01)**
[25] EN
[54] **CLAM HARVESTER**
[54] **RAMMASSEUR DE PALOURDES**
[72] BERTOSON, TERRANCE R., US
[71] BERTOSON, TERRANCE R., US
[22] 2018-08-14
[41] 2019-02-16
[30] US (62/546,431) 2017-08-16

[21] **3,014,169**
[13] A1

[51] **Int.Cl. F16H 21/18 (2006.01) B65B 9/04 (2006.01)**
[25] EN
[54] **SIMPLIFIED LIFT MECHANISM FOR A PACKAGING MACHINE**
[54] **MECANISME DE LEVAGE SIMPLIFIE DESTINE A UNE MACHINE D'EMBALLAGE**
[72] BUCHKO, RAYMOND G., JR., US
[72] GOLLA, RODNEY W., US
[71] CP PACKAGING, INC., US
[22] 2018-08-14
[41] 2019-02-14
[30] CA (16/102,116) 2018-08-13
[30] US (62/545,025) 2017-08-14

[21] **3,014,205**
[13] A1

[51] **Int.Cl. B65D 30/16 (2006.01) B65D 30/20 (2006.01)**
[25] EN
[54] **STAND-UP PLASTIC STORAGE BAG WITH REINFORCED BOTTOM GUSSET**
[54] **SAC DE RANGEMENT VERTICAL EN PLASTIQUE DOTE D'UN GOUSSET DE FOND RENFORCE**
[72] BIELKE, GARTH, US
[72] TEERANUKOOL, SOMPOP, TH
[71] INTEPLAST GROUP CORPORATION, US
[22] 2018-08-15
[41] 2019-02-16
[30] US (15/678574) 2017-08-16

[21] **3,014,218**
[13] A1

[51] **Int.Cl. H04L 29/02 (2006.01) G06Q 20/38 (2012.01) G06F 21/30 (2013.01)**
[25] EN
[54] **APPLICATION SERVER FOR AUTOMATED DATA TRANSFERS AND ASSOCIATED METHODS**
[54] **SERVEUR D'APPLICATION DESTINE AUX TRANSFERTS DE DONNEES AUTOMATISES ET METHODES ASSOCIEES**
[72] FAZELI, MANI, CA
[72] BALAKRISHNAN, NISHKALA, CA
[72] CRUX, FELIX, CA
[72] RAHIMI, REZA, CA
[72] WHITING, LES, CA
[71] FAZELI, MANI, CA
[71] BALAKRISHNAN, NISHKALA, CA
[71] CRUX, FELIX, CA
[71] RAHIMI, REZA, CA
[71] WHITING, LES, CA
[22] 2018-08-15
[41] 2019-02-15
[30] US (62/545,807) 2017-08-15

[21] **3,014,228**
[13] A1

[51] **Int.Cl. A61B 34/00 (2016.01) A61B 34/10 (2016.01) A61B 34/20 (2016.01)**
[25] EN
[54] **METHOD, SYSTEM AND APPARATUS FOR RENDERING MEDICAL IMAGE DATA**
[54] **METHODE, SYSTEME ET APPAREIL DE RENDU DE DONNEES D'IMAGERIE MEDICALE**
[72] GALLOP, DAVID BRUCE, CA
[72] ABHARI, KAMYAR, CA
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[22] 2018-08-15
[41] 2019-02-16
[30] US (15/678509) 2017-08-16

[21] **3,014,232**
[13] A1

[51] **Int.Cl. C09D 15/00 (2006.01) B27K 5/02 (2006.01)**
[25] EN
[54] **WOOD PIGMENT COMPOSITIONS AND WOOD TREATMENT PROCESSES**
[54] **COMPOSITIONS DE PIGMENT DE BOIS ET PROCEDES DE TRAITEMENT DE BOIS**
[72] ISLAM, MD SAYFUL, US
[72] ZHANG, JUN, US
[71] KOPPERS PERFORMANCE CHEMICALS INC., US
[22] 2018-08-14
[41] 2019-02-15
[30] US (62/545,831) 2017-08-15

[21] **3,014,234**
[13] A1

[51] **Int.Cl. B67D 1/08 (2006.01) B67D 7/80 (2010.01) B62B 3/00 (2006.01) B67D 1/04 (2006.01)**
[25] EN
[54] **MOBILE BEER-DISPENSING SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE BIERE MOBILE**
[72] GIARRATANO, CECIL E., US
[72] KELLY, JASON M., US
[71] COORS BREWING COMPANY, US
[22] 2018-08-14
[41] 2019-02-14
[30] US (62/545,320) 2017-08-14

[21] **3,014,254**
[13] A1

[51] **Int.Cl. B65D 21/028 (2006.01) B65D 1/04 (2006.01)**
[25] EN
[54] **CONTAINER ASSEMBLY INCLUDING REMOVABLE SECONDARY CONTAINER**
[54] **ASSEMBLAGE DE CONTENANTS COMPRENANT UN CONTENANT SECONDAIRE AMOVIBLE**
[72] VLAHAKIS, VAN, US
[72] VLAHAKIS-HANKS, KELLY, US
[72] ARKIN, JENNA, US
[72] MILLER, AARON, US
[72] BARRETT, LIZ, US
[72] ROWE, JASON, US
[72] FISHER, SCOTT, US
[71] VENUS LABORATORIES, INC., US
[22] 2018-08-15
[41] 2019-02-15
[30] US (15/677,769) 2017-08-15

**Canadian Applications Open to Public Inspection
February 10, 2019 to February 16, 2019**

[21] **3,014,309**
[13] A1

[51] **Int.Cl. G06N 5/00 (2006.01)**
[25] EN
[54] **EXPERT KNOWLEDGE PLATFORM**
[54] **PLATEFORME DE CONNAISSANCES D'EXPERT**
[72] OLMSTEAD, GREGORY ANDREW, CA
[72] RUMFELS, ERIC, CA
[72] MIGLANI, ADITI, CA
[72] EZAMI, SAHBA, CA
[72] ENE, ADA CRISTIANA, CA
[72] DHARMARETNAM, DHANUSH, CA
[72] BAIN, STEPHEN, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2018-08-15
[41] 2019-02-16
[30] US (62/546,157) 2017-08-16

[21] **3,014,350**
[13] A1

[51] **Int.Cl. F16M 13/02 (2006.01) F16B 21/00 (2006.01) F16B 29/00 (2006.01) F21S 8/08 (2006.01) F21V 21/116 (2006.01)**
[25] EN
[54] **HANDS-FREE SUPPORT BOLT AND METHOD**
[54] **BOULON DE SOUTIEN SANS MAIN ET METHODE**
[72] BOYER, JOHN D., US
[72] CRANSTON, BRIAN D., US
[71] LSI INDUSTRIES, INC., US
[22] 2018-08-16
[41] 2019-02-16
[30] US (15/678,567) 2017-08-16

[21] **3,014,351**
[13] A1

[51] **Int.Cl. A62C 27/00 (2006.01) B60P 3/30 (2006.01)**
[25] EN
[54] **AERIAL FLOWABLE MATERIAL DELIVERY TRAILER**
[54] **REMORQUE DE LIVRAISON DE MATIERE ECOULABLE AERIENNE**
[72] CARTER, DAVID (DECEASED), CA
[71] AERIAL TOOL CORPORATION, CA
[22] 2018-08-15
[41] 2019-02-15
[30] US (62/545,847) 2017-08-15

[21] **3,014,368**
[13] A1

[51] **Int.Cl. E05F 15/689 (2015.01) E05F 15/60 (2015.01) B63B 19/02 (2006.01)**
[25] EN
[54] **ELECTRONICALLY POWERED WINDOW**
[54] **FENETRE A COMMANDE ELECTRONIQUE**
[72] UNKNOWN, ZZ
[71] FLOE, WAYNE, US
[22] 2018-08-16
[41] 2019-02-16
[30] US (62/546,420) 2017-08-16

[21] **3,014,377**
[13] A1

[51] **Int.Cl. H04M 3/436 (2006.01) H04M 3/51 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR EARLY FRAUD DETECTION**
[54] **SYSTEMES ET METHODES DE DETECTION PRECOCE DE FRAUDE**
[72] CHANDRASEKARAN, KARTHIKEYAN, CA
[72] MATHIYAZHAGAN, ROOBINI, CA
[72] PATEL, RUTURAJ MAHESHBHAI, CA
[72] VAZHAYIL, SREENATH, CA
[72] PAGNIELLO, DOMENICO, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2018-08-16
[41] 2019-02-16
[30] US (62/546,355) 2017-08-16

[21] **3,014,380**
[13] A1

[51] **Int.Cl. B41M 5/382 (2006.01) B41J 2/01 (2006.01) D06Q 1/00 (2006.01)**
[25] EN
[54] **HEAT TRANSFER SHEET ASSEMBLY WITH IMPROVED PEELING**
[54] **ENSEMBLE DE FEUILLET DE TRANSFERT THERMIQUE A DECOLLAGE AMELIORE**
[72] KREKIAN, SHARIS, US
[72] VEYNA, GERARDO, MX
[72] ROMANO, FRANCISCO, US
[72] HONG, LE-HOA, US
[72] WILSON, DOUG, US
[72] SANTHANAM, RAM, US
[71] CCL LABEL, INC., US
[22] 2018-08-16
[41] 2019-02-16
[30] US (62/546,232) 2017-08-16

[21] **3,014,385**
[13] A1

[51] **Int.Cl. G06F 21/30 (2013.01) G06F 21/64 (2013.01)**
[25] EN
[54] **PLATFORM FOR GENERATING AUTHENTICATED DATA OBJECTS**
[54] **PLATEFORME DE GENERATION D'OBJETS DE DONNEES AUTHENTIFIES**
[72] HAMASNI, KARIM TALAL, CA
[72] ST. LOUIS, CHARLES PLANT, CA
[72] MILLER, GRAHAM HENRY, CA
[72] FIRAT, ATILLA MURAT, CA
[72] UCHIBEKE, UGOBAME I., CA
[72] LARIZZA, JOE, CA
[72] BAKAGIANNIS, IOANNIS, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2018-08-16
[41] 2019-02-16
[30] US (62/546,359) 2017-08-16

[21] **3,014,402**
[13] A1

[51] **Int.Cl. G06F 11/30 (2006.01) G06F 9/455 (2018.01)**
[25] EN
[54] **VIRTUAL MACHINE UNDERUTILIZATION DETECTOR**
[54] **DETECTEUR DE SOUS-UTILISATION DE MACHINE VIRTUELLE**
[72] KHANDROS, MARAT, CA
[72] OGHBAEE, AMIRREZA, CA
[72] SYED, ALI, CA
[72] PIRASTEH, KAMRAN, CA
[72] LIN, WEITAO, CA
[72] KRUSH, ALEXANDER MICHAEL, CA
[72] ABBOTT, JACOB ALEXANDER, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2018-08-16
[41] 2019-02-16
[30] US (62/546,368) 2017-08-16

Demandes canadiennes mises à la disponibilité du public
10 février 2019 au 16 février 2019

[21] **3,014,412**

[13] A1

[51] **Int.Cl. A62C 35/68 (2006.01) A62C 37/00 (2006.01) F04D 13/06 (2006.01) H02J 7/00 (2006.01) H02K 7/14 (2006.01)**

[25] EN

[54] **BATTERY POWERED ELECTRIC MOTOR-DRIVEN FIRE PUMP SYSTEM AND METHOD**

[54] **SYSTEME ET METHODE DE POMPE INCENDIE ENTRAINÉE PAR UN MOTEUR ELECTRIQUE ALIMENTÉ PAR UNE BATTERIE**

[72] GOUPIL, BRUNO, CA

[72] LORRAIN, BENOIT, CA

[72] GOUPIL, MARC, CA

[71] TORNATECH INC., CA

[22] 2018-08-15

[41] 2019-02-16

[30] US (62/546,243) 2017-08-16

[21] **3,027,074**

[13] A1

[51] **Int.Cl. E21B 43/16 (2006.01) E21B 43/20 (2006.01) E21B 43/22 (2006.01) E21B 43/24 (2006.01) E21B 43/30 (2006.01)**

[25] EN

[54] **INTEGRATED APPROACH TO ENHANCE THE PERFORMANCE OF GRAVITY DRAINAGE PROCESSES**

[54] **APPROCHE INTEGREE VISANT A AMELIORER LE RENDEMENT DES PROCEDES DE DRAINAGE PAR GRAVITE**

[72] WANG, JIANLIN, CA

[71] IMPERIAL OIL RESOURCES LIMITED, CA

[22] 2018-12-11

[41] 2019-02-11

[21] **3,023,059**

[13] A1

[51] **Int.Cl. B60K 6/00 (2007.10) B60K 7/00 (2006.01) B60L 7/10 (2006.01) B60R 11/04 (2006.01) B62D 35/00 (2006.01)**

[25] EN

[54] **A PNEUMATIC/ELECTRIC HYBRID POWER AND DRAG REDUCTION SYSTEM**

[54] **UNE ALIMENTATION DE VEHICULE PNEUMATIQUE/ELECTRIQUE ET UN SYSTEME DE REDUCTION DE LA TRAINEE**

[72] ANTROBUS, CRAIG L., CA

[72] ANTROBUS, CRAIG L., CA

[71] ANTROBUS, CRAIG L., CA

[22] 2018-11-05

[41] 2019-02-11

[21] **3,027,259**

[13] A1

[51] **Int.Cl. H02H 1/00 (2006.01) B64D 27/24 (2006.01) B64D 41/00 (2006.01) B64D 47/00 (2006.01) H02J 4/00 (2006.01)**

[25] EN

[54] **AN OVERRIDE CONTROL CIRCUIT FOR THE RELIABLE AND SAFE OPERATION OF AN ELECTRICAL SYSTEM**

[54] **UN CIRCUIT DE CONTROLE DE DERIVATION SERVANT AU FONCTIONNEMENT FIABLE ET SUR D'UN SYSTEME ELECTRIQUE**

[72] GEISS, MICHAEL, DE

[71] AIRBUS HELICOPTERS DEUTSCHLAND GMBH, DE

[22] 2018-12-11

[41] 2019-02-12

[30] EP (18400001.6) 2018-01-10

[21] **3,023,062**

[13] A1

[51] **Int.Cl. B60K 8/00 (2006.01) B60L 8/00 (2006.01) B60R 11/04 (2006.01)**

[25] EN

[54] **A VEHICLE PNEUMATIC POWER AND DRAG REDUCTION SYSTEM**

[54] **UNE ALIMENTATION DE VEHICULE PNEUMATIQUE ET UN SYSTEME DE REDUCTION DE LA TRAINEE**

[72] ANTROBUS, CRAIG L., CA

[71] ANTROBUS, CRAIG L., CA

[22] 2018-11-05

[41] 2019-02-12

PCT Applications Entering the National Phase

Demands PCT entrant en phase nationale

[21] **3,001,485**
[13] A1
[51] **Int.Cl. A61C 3/00 (2006.01)**
[25] EN
[54] **ORTHODONTIC ASSEMBLY**
[54] **ENSEMBLE ORTHODONTIQUE**
[72] KHOURI, JOHN H., US
[71] KHOURI, JOHN H., US
[85] 2018-04-09
[86] 2016-10-06 (PCT/US2016/055773)
[87] (WO2017/062634)
[30] US (14/879,555) 2015-10-09

[21] **3,008,080**
[13] A1
[51] **Int.Cl. G01G 19/03 (2006.01) G01G 3/12 (2006.01) G08G 1/017 (2006.01) G08G 1/052 (2006.01)**
[25] EN
[54] **SYSTEM FOR MONITORING DYNAMIC WEIGHING AND SPEED OF VEHICLES ON LANES**
[54] **SYSTEME DE SURVEILLANCE DE PESAGE DYNAMIQUE ET DE VITESSE DE VEHICULES SUR VOIES**
[72] GONCALVES, SERGIO MACHADO, BR
[71] VELSYS SISTEMAS E TECNOLOGIA VIARIA S/A, BR
[85] 2018-06-13
[86] 2018-04-18 (PCT/BR2018/050114)
[87] (3008080)
[30] BR (10 2017 017613 4) 2017-08-16

[21] **3,012,155**
[13] A1
[51] **Int.Cl. E21B 17/00 (2006.01) C21D 9/00 (2006.01) C22C 38/18 (2006.01)**
[25] EN
[54] **CORROSION RESISTANT SUCKER ROD**
[54] **TIGE DE POMPAGE RESISTANT A LA CORROSION**
[72] BADRAK, ROBERT P., US
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2018-07-23
[86] 2017-11-28 (PCT/US2017/063426)
[87] (3012155)
[30] WO (PCT/US2017/046597) 2017-08-11

[21] **3,012,156**
[13] A1
[51] **Int.Cl. E21B 17/00 (2006.01) C21D 1/18 (2006.01) C21D 9/00 (2006.01) E21B 17/04 (2006.01) F16L 9/02 (2006.01)**
[25] EN
[54] **CORROSION RESISTANT SUCKER ROD**
[54] **TIGE DE POMPAGE RESISTANT A LA CORROSION**
[72] STACHOWIAK, JOHN, JR., US
[72] MARTINEZ, OSCAR E., US
[72] BADRAK, ROBERT P., US
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2018-07-23
[86] 2017-08-11 (PCT/US2017/046597)
[87] (WO2019/032121)

[21] **3,014,006**
[13] A1
[51] **Int.Cl. B65D 83/76 (2006.01) B65D 83/00 (2006.01)**
[25] EN
[54] **CONFETTI LAUNCHER**
[54] **LANCEUR DE CONFETTIS**
[72] WONG, ALFRED, CN
[72] MING, YUEN YIU, CN
[71] HALLMARK CARDS, INCORPORATED, US
[85] 2018-08-13
[86] 2017-08-10 (PCT/CN2017/096828)
[87] (WO2019/028741)

[21] **3,014,482**
[13] A1
[51] **Int.Cl. G06Q 50/30 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROCESSING SIMULTANEOUS CARPOOL REQUESTS**
[54] **SYSTEME ET METHODE DE TRAITEMENT DE DEMANDES SIMULTANES DE COVOITURAGE**
[72] ZHANG, NIPING, CN
[72] LI, LU, CN
[72] LUO, MINGSHAN, CN
[72] WEI, PUMENG, CN
[72] LIU, MEICHEN, CN
[71] BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD., CN
[85] 2018-08-16
[86] 2018-02-11 (PCT/CA2018/076348)
[87] (3014482)
[30] CN (201710701159.X) 2017-08-16
[30] US (15/858959) 2017-12-29

[21] **3,015,300**
[13] A1
[51] **Int.Cl. G06K 19/077 (2006.01) H01L 23/12 (2006.01) H01L 23/48 (2006.01)**
[25] EN
[54] **INTEGRATED CIRCUIT MODULES AND SMART CARDS INCORPORATING THE SAME**
[54] **MODULES DE CIRCUITS INTEGRES ET CARTES INTELLIGENTES INCORPORANT LESDITS MODULES**
[72] NG, ENG SENG, SG
[72] PANG, SZE YONG, SG
[72] HENG, CHENG KIM, SG
[71] SMARTFLEX TECHNOLOGY PTE LTD, SG
[85] 2018-08-24
[86] 2018-02-15 (PCT/SG2018/050074)
[87] (3015300)
[30] SG (PCT/SG2017/050423) 2017-08-28

Demandes PCT entrant en phase nationale

[21] **3,016,939**
[13] A1

[51] **Int.Cl. F25C 3/04 (2006.01) B65G 53/40 (2006.01) B65G 53/58 (2006.01)**
[25] EN
[54] **CONVEYING ASSEMBLY FOR SNOWMAKING APPARATUS**
[54] **ENSEMBLE DE TRANSPORT POUR APPAREIL DE FABRICATION DE NEIGE**
[72] HANDFIELD, LOUIS, CA
[71] INDUSTRIES SAMSON INC., CA
[85] 2018-09-06
[86] 2017-03-07 (PCT/CA2017/000043)
[87] (WO2017/152260)
[30] US (62/389,700) 2016-03-07

[21] **3,022,891**
[13] A1

[51] **Int.Cl. A01G 9/029 (2018.01)**
[25] EN
[54] **AIR-ROOT PRUNING PROPAGATION TRAY**
[54] **PLATEAU DE PROPAGATION D'ELAGAGE AERIEN DE RACINES**
[72] MCGRATH, DARBY, CA
[72] HENRY, JASON, CA
[71] VINELAND RESEARCH AND INNOVATIONS CENTRE INC., CA
[85] 2018-11-01
[86] 2017-05-04 (PCT/CA2017/050547)
[87] (WO2017/193210)
[30] US (62/333,971) 2016-05-10

[21] **3,023,355**
[13] A1

[51] **Int.Cl. A61K 31/58 (2006.01) A61K 9/00 (2006.01) A61K 31/335 (2006.01) A61K 31/573 (2006.01) A61P 37/08 (2006.01) B65D 23/00 (2006.01) B65D 47/06 (2006.01)**
[25] EN
[54] **DISPENSING DEVICE AND PHARMACEUTICAL COMPOSITION FOR THE TREATMENT OF RHINITIS**
[54] **DISPOSITIF DISTRIBUTEUR ET COMPOSITION PHARMACEUTIQUE DESTINES AU TRAITEMENT DE LA RHINITE**
[72] DHUPPAD, ULHAS R., IN
[72] KATKURWAR, ASHOK, IN
[72] GUPTA, YASHWANT, IN
[72] ANKAM, RAJESH, IN
[72] DHATRAK, CHANDRAKANT, IN
[72] KHAIRATKAR-JOSHI, NEELIMA, IN
[72] KULKARNI, ABHAY, IN
[72] WALE, DINESH PRADEEP, IN
[72] BHOSALE, VIKRAM MANSINGH, IN
[72] AGARWAL, PIYUSH, IN
[72] KEOHANE, PATRICK, IN
[72] TANTRY, SUDEESH K., US
[72] OH, CHAD, US
[71] GLENMARK SPECIALTY S.A., CH
[85] 2018-12-14
[86] 2018-06-28 (PCT/US2018/040098)
[87] (3023355)
[30] IN (201821014426) 2018-04-16
[30] US (15/903,597) 2018-02-23
[30] US (15/842,063) 2017-12-14
[30] US (15/716,661) 2017-09-27
[30] US (15/591,500) 2017-08-30
[30] US (15/636,120) 2017-06-28

[21] **3,023,527**
[13] A1

[51] **Int.Cl. G05D 1/00 (2006.01) G05D 1/02 (2006.01)**
[25] FR
[54] **AIRCRAFT AND METHOD OF STABILIZING AN AIRCRAFT**
[54] **AERONEF ET PROCEDE DE STABILISATION D'UN AERONEF**
[72] KUHLMANN, HERVE FRANCOIS, FR
[71] FLYING WHALES, FR
[85] 2018-11-07
[86] 2016-05-12 (PCT/EP2016/060675)
[87] (WO2016/188759)
[30] FR (1554647) 2015-05-22

[21] **3,026,605**
[13] A1

[51] **Int.Cl. A01K 29/00 (2006.01) A01K 11/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR MONITORING PASTURE INTAKE**
[54] **SYSTEME DE SURVEILLANCE D'INGESTION D'HERBE DE PATURE**
[72] INGHAM, AARON, AU
[72] RAHMAN, ASHFAQUR, AU
[72] SMITH, DANIEL, AU
[72] BISHOP-HURLEY, GREG, AU
[72] VALENCIA, PHILIP, AU
[72] GREENWOOD, PAUL, AU
[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
[71] THE DEPARTMENT OF PRIMARY INDUSTRIES, AN OFFICE OF THE DEPARTMENT OF INDUSTRY, SKILLS AND REGIONAL DEVELOPMENT, AU
[85] 2018-12-05
[86] 2017-06-08 (PCT/AU2017/050569)
[87] (WO2017/210740)
[30] AU (2016902238) 2016-06-08
[30] AU (2017900303) 2017-02-01

[21] **3,026,668**
[13] A1

[51] **Int.Cl. A61H 33/02 (2006.01) A45D 29/00 (2006.01) A61H 35/00 (2006.01) B01F 13/02 (2006.01) B01F 15/00 (2006.01)**
[25] EN
[54] **BUBBLE GENERATION SYSTEM**
[54] **SYSTEME DE PRODUCTION DE BULLES**
[72] TRAN, MINH SANG, CA
[72] ALEXANDER, CHRIS, CA
[71] GULFSTREAM INC., CA
[85] 2018-12-06
[86] 2018-08-22 (PCT/CA2018/051010)
[87] (3026668)

PCT Applications Entering the National Phase

[21] **3,028,171**
[13] A1

[51] **Int.Cl. B65B 11/00 (2006.01) A41D 13/11 (2006.01) B65B 35/00 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR WRAPPING TIES IN A FACEMASK MANUFACTURING PROCESS**

[54] **METHODE ET SYSTEME D'ENTOURAGE D'ATTACHES DANS UN PROCEDE DE FABRICATION D'UN MASQUE FACIAL**

[72] SPENCER, ANTHONY S., US
[72] PAMPERIN, MARK T., US
[72] WEBER, JOSEPH P., US
[72] STEINDORF, ERIC C., US
[71] O&M HALYARD INTERNATIONAL UNLIMITED COMPANY, IE

[85] 2018-12-20
[86] 2017-08-16 (PCT/US2017/047055)
[87] (3028171)

[21] **3,028,275**
[13] A1

[51] **Int.Cl. A41D 13/11 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR WRAPPING TIES IN A FACEMASK MANUFACTURING PROCESS**

[54] **METHODE ET SYSTEME D'ENTOURAGE D'ATTACHES DANS UN PROCEDE DE FABRICATION DE MASQUE FACIAL**

[72] PAMPERIN, MARK T., US
[72] WEBER, JOSEPH P., US
[72] HARRINGTON, DAVID L., US
[72] STEINDORF, ERIC C., US
[71] O&M HALYARD INTERNATIONAL UNLIMITED COMPANY, IE

[85] 2018-12-21
[86] 2017-08-16 (PCT/US2017/047053)
[87] (3028275)

[21] **3,029,363**
[13] A1

[51] **Int.Cl. A41D 13/11 (2006.01) A62B 18/02 (2006.01) B65B 13/02 (2006.01) B65B 25/20 (2006.01) B65B 27/00 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR WRAPPING TIES IN A FACEMASK MANUFACTURING PROCESS**

[54] **METHODE ET SYSTEME D'ENTOURAGE D'ATTACHES DANS UN PROCEDE DE FABRICATION DE MASQUE FACIAL**

[72] STEINDORF, ERIC C., US
[72] SPENCER, ANTHONY S., US
[72] WEBER, JOSEPH P., US
[72] PAMPERIN, MARK T., US
[72] HARRINGTON, DAVID L., US
[71] O&M HALYARD INTERNATIONAL UNLIMITED COMPANY, IE

[85] 2019-01-09
[86] 2017-08-16 (PCT/US2017/047054)
[87] (3029363)

[21] **3,032,738**
[13] A1

[51] **Int.Cl. B43K 8/04 (2006.01) B43K 8/02 (2006.01) B43K 8/06 (2006.01) B43K 24/08 (2006.01)**

[25] EN

[54] **RETRACTABLE LIQUID APPLICATOR DEVICE**

[54] **DISPOSITIF RETRACTABLE APPLICATEUR DE LIQUIDE**

[72] BALLOT, STEPHAN M., US
[72] FORSCHLER, ROBERT D., US
[72] EKSTROM, FRED M., US
[71] FLOCON, INC., US

[85] 2019-01-31
[86] 2017-08-23 (PCT/US2017/048246)
[87] (WO2018/039369)
[30] US (62/378,459) 2016-08-23

[21] **3,032,743**
[13] A1

[51] **Int.Cl. A62C 31/02 (2006.01) A62C 37/12 (2006.01) A62C 37/14 (2006.01) A62C 37/16 (2006.01) B05B 1/26 (2006.01)**

[25] EN

[54] **FIRE SUPPRESSION SPRINKLER AND DEFLECTOR**

[54] **ASPERSEUR ANTI-INCENDIE ET DEFLECTEUR**

[72] WANCHO, THOMAS F., US
[71] VICTAULIC COMPANY, US

[85] 2019-01-31
[86] 2017-08-30 (PCT/US2017/049254)
[87] (WO2018/048687)
[30] US (62/385,273) 2016-09-09

[21] **3,032,747**
[13] A1

[51] **Int.Cl. A61K 31/58 (2006.01) A61K 31/357 (2006.01) A61K 31/366 (2006.01) A61K 31/4422 (2006.01) A61K 31/4545 (2006.01) A61K 31/567 (2006.01) A61P 9/00 (2006.01) A61P 9/14 (2006.01) C07D 211/90 (2006.01) C07D 401/12 (2006.01) C07D 493/18 (2006.01) C07J 1/00 (2006.01) C07J 73/00 (2006.01)**

[25] EN

[54] **SMALL MOLECULE THERAPEUTIC COMPOUNDS THAT REDUCE THE INCIDENCE OF INTRACEREBRAL HEMORRHAGE AND BRAIN MICROHEMORRHAGES**

[54] **COMPOSES THERAPEUTIQUES A PETITES MOLECULES REDUISANT L'INCIDENCE DE L'HEMORRAGIE INTRACEREBRALE ET DES MICROHEMORRAGIES CEREBRALES**

[72] WEN, XIAO-YAN, CA
[72] MACDONALD, R., LOCH, US
[72] BAKER, ANDREW, CA
[72] SCHWEIZER, TOM A., CA
[71] UNITY HEALTH TORONTO, CA

[85] 2019-02-01
[86] 2017-08-02 (PCT/IB2017/001100)
[87] (WO2018/025083)
[30] US (62/370,077) 2016-08-02

Demandes PCT entrant en phase nationale

[21] **3,032,750**
[13] A1

[51] **Int.Cl. A61K 9/08 (2006.01) A23L 27/00 (2016.01) A61K 31/09 (2006.01) A61K 31/137 (2006.01) A61K 31/167 (2006.01) A61K 31/485 (2006.01) A61K 47/10 (2017.01)**

[25] EN

[54] **MEDICATION WITH IMPROVED TASTE AND SENSORY EXPERIENCE**

[54] **MEDICAMENT AYANT UN GOUT ET UNE PERCEPTION SENSORIELLE AMELIORES**

[72] NAUGHTON, VALERIE JEAN, US

[72] NEWTON, JASON, US

[72] FINDLEY, MOLLY, US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2019-01-31

[86] 2017-08-31 (PCT/US2017/049618)

[87] (WO2018/045170)

[30] US (62/382,319) 2016-09-01

[21] **3,032,751**
[13] A1

[51] **Int.Cl. A61M 1/36 (2006.01) A61B 5/1455 (2006.01)**

[25] EN

[54] **OPTICAL BLOOD DETECTION SYSTEM**

[54] **SYSTEME DE DETECTION OPTIQUE DU SANG**

[72] JAMES, PHILIP SCOTT, US

[72] BARRETT, LEE, US

[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US

[85] 2019-01-31

[86] 2017-09-07 (PCT/US2017/050419)

[87] (WO2018/048995)

[30] US (15/259,754) 2016-09-08

[21] **3,032,755**
[13] A1

[51] **Int.Cl. A61K 8/35 (2006.01) A61K 8/9706 (2017.01) A61K 8/9728 (2017.01) A61K 8/67 (2006.01) A61K 31/122 (2006.01) A61K 31/41 (2006.01) A61K 31/4188 (2006.01) A61K 36/02 (2006.01) A61K 36/074 (2006.01) A61Q 3/00 (2006.01) A61Q 5/00 (2006.01) A61Q 19/00 (2006.01)**

[25] EN

[54] **SUPPLEMENT TO SUPPORT HEALTHY HAIR, SKIN, AND NAILS**

[54] **COMPLEMENT FAVORISANT LA SANTE DES CHEVEUX, DE LA PEAU ET DES ONGLES**

[72] TOOMEY, JENNIFER MARIE, US

[72] SCHULICK, PAUL, US

[71] NEW CHAPTER, INC., US

[85] 2019-01-31

[86] 2017-09-11 (PCT/US2017/050907)

[87] (WO2018/049305)

[30] US (62/393,381) 2016-09-12

[21] **3,032,757**
[13] A1

[51] **Int.Cl. C09K 11/61 (2006.01) H01L 33/50 (2010.01) C09K 11/02 (2006.01)**

[25] EN

[54] **COMPOSITE MATERIALS HAVING RED EMITTING PHOSPHORS**

[54] **MATERIAUX COMPOSITES COMPORTANT DES SUBSTANCES FLUORESCENTES EMETTANT DANS LE ROUGE**

[72] POROB, DIGAMBER GURUDAS, US

[72] MURPHY, JAMES EDWARD, US

[72] GARCIA, FLORENCIO, US

[72] BREWSTER, MEGAN MARIE, US

[71] GENERAL ELECTRIC COMPANY, US

[85] 2019-01-31

[86] 2017-09-15 (PCT/US2017/051705)

[87] (WO2018/032021)

[30] US (15/231,026) 2016-08-08

[21] **3,032,763**
[13] A1

[51] **Int.Cl. A61B 17/128 (2006.01) A61B 17/122 (2006.01)**

[25] EN

[54] **MULTIPLE OPENING/CLOSING OF RELOADABLE CLIP**

[54] **OUVERTURE/FERMETURE MULTIPLES D'UN CLIP RECHARGEABLE**

[72] LEHTINEN, LAURIE A., US

[72] RYAN, SHAWN, US

[72] RANDHAWA, NISHANT, IN

[72] CONGDON, DANIEL, US

[71] BOSTON SCIENTIFIC LIMITED, BM

[85] 2019-01-31

[86] 2017-09-19 (PCT/US2017/052273)

[87] (WO2018/057515)

[30] US (62/398,278) 2016-09-22

[21] **3,032,767**
[13] A1

[51] **Int.Cl. G06Q 10/08 (2012.01) G06K 17/00 (2006.01) G06K 19/07 (2006.01)**

[25] EN

[54] **RFID-BASED RACK INVENTORY MANAGEMENT SYSTEMS**

[54] **SYSTEMES DE GESTION D'INVENTAIRE DE BAIES FONDE SUR UNE RFID**

[72] HOTCHHALTER, DAVID, US

[72] BIGELOW, DAVID, US

[72] WITCHEY, NICHOLAS, US

[72] MILAM, CHAD, US

[71] MOX NETWORKS, LLC, US

[85] 2019-01-31

[86] 2017-10-05 (PCT/US2017/055393)

[87] (WO2018/067850)

[30] US (15/725,638) 2016-10-05

[21] **3,032,784**
[13] A1

[51] **Int.Cl. F22D 1/12 (2006.01) F22D 5/00 (2006.01)**

[25] EN

[54] **METHOD FOR OPERATING A WASTE HEAT STEAM GENERATOR**

[54] **PROCEDE DE FONCTIONNEMENT D'UN GENERATEUR DE VAPEUR A RECUPERATION DE CHALEUR**

[72] BRUCKNER, JAN, DE

[72] THOMAS, FRANK, DE

[71] SIEMENS AKTIENGESELLSCHAFT, DE

[85] 2019-02-01

[86] 2016-08-05 (PCT/EP2016/068732)

[87] (WO2018/024340)

PCT Applications Entering the National Phase

[21] **3,032,785**
[13] A1

[51] **Int.Cl. B32B 17/10 (2006.01) B60Q 1/26 (2006.01) G02B 27/01 (2006.01)**

[25] EN

[54] **COMPOSITE PANE WITH A DISPLAY DEVICE**

[54] **PARE-BRISE COMPOSITE COMPRENANT UN DISPOSITIF D'AFFICHAGE**

[72] KLEIN, MARCEL, DE

[72] DAMEA, DANIEL, DE

[71] SAINT-GOBAIN GLASS FRANCE, FR

[85] 2019-02-01

[86] 2017-06-23 (PCT/EP2017/065478)

[87] (WO2018/024403)

[30] EP (16183053.4) 2016-08-05

[21] **3,032,787**
[13] A1

[51] **Int.Cl. C01B 3/34 (2006.01) C12P 5/02 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR BIOGAS UPGRADING AND HYDROGEN PRODUCTION FROM ANAEROBIC FERMENTATION OF BIOLOGICAL MATERIAL**

[54] **PROCEDE ET DISPOSITIF POUR LA VALORISATION DE BIOGAZ ET LA PRODUCTION D'HYDROGENE A PARTIR DE LA FERMENTATION ANAEROBIE DE MATIERE BIOLOGIQUE**

[72] RAAHEIM, ARNE, NO

[72] MEYER, JULIEN, NO

[72] ANDRESEN, BJORG, NO

[72] DI GUILIO, NICOLA, NO

[72] ULLEBERG, OYSTEIN, NO

[71] ZEG POWER AS, NO

[85] 2019-02-01

[86] 2017-07-07 (PCT/NO2017/050185)

[87] (WO2018/012983)

[30] NO (201611174) 2016-07-14

[21] **3,032,788**
[13] A1

[51] **Int.Cl. H01M 8/0612 (2016.01) H01M 8/04014 (2016.01) H01M 8/0432 (2016.01) H01M 8/04701 (2016.01) H01M 8/0668 (2016.01) H01M 8/124 (2016.01)**

[25] EN

[54] **METHOD AND POWER PLANT COMPRISING A SOLID OXIDE FUEL CELL (SOFC) FOR PRODUCTION OF ELECTRICAL ENERGY AND H2 GAS**

[54] **PROCEDE ET CENTRALE ELECTRIQUE COMPRENANT UNE PILE A COMBUSTIBLE A OXYDE SOLIDE (SOFC) POUR LA PRODUCTION D'ENERGIE ELECTRIQUE ET DE GAZ H2**

[72] ANDRESEN, BJORG, NO

[72] RAAHEIM, ARNE, NO

[72] MEYER, JULIEN, NO

[72] DI GUILIO, NICOLA, NO

[72] ULLEBERG, OYSTEIN, NO

[71] ZEG POWER AS, NO

[85] 2019-02-01

[86] 2017-07-07 (PCT/NO2017/050186)

[87] (WO2018/012984)

[30] NO (201611175) 2016-07-14

[21] **3,032,792**
[13] A1

[51] **Int.Cl. B01D 69/00 (2006.01) A61M 1/16 (2006.01)**

[25] EN

[54] **VASCULAR CALCIFICATION AND CARDIOVASCULAR/ASSOCIATED DISEASES PREVENTION AND TREATMENT**

[54] **CALCIFICATION VASCULAIRE ET PREVENTION ET TRAITEMENT DE MALADIES CARDIOVASCULAIRES/ASSOCIEES**

[72] MAJETI, SATYANARAYANA, US

[72] MEHANSHO, HAILE, US

[72] TZEZHAI, GHEBRE EGZIABHER, US

[71] SUMMIT INNOVATION LABS, LLC, US

[85] 2019-02-01

[86] 2017-07-24 (PCT/US2017/043432)

[87] (WO2018/034797)

[30] US (62/374,983) 2016-08-15

[30] US (15/649,084) 2017-07-13

[21] **3,032,794**
[13] A1

[51] **Int.Cl. C07K 14/47 (2006.01) C07K 16/28 (2006.01) G01N 33/566 (2006.01)**

[25] EN

[54] **C1Q AND HMGB1 FUSION PROTEINS AND USES THEREOF**

[54] **PROTEINES DE FUSION C1Q AND HMGB1 ET LEURS UTILISATIONS**

[72] DIAMOND, BETTY A., US

[71] THE FEINSTEIN INSTITUTE FOR MEDICAL RESEARCH, US

[85] 2019-02-01

[86] 2017-07-28 (PCT/US2017/044307)

[87] (WO2018/026642)

[30] US (62/370,402) 2016-08-03

[21] **3,032,796**
[13] A1

[51] **Int.Cl. G08B 3/10 (2006.01) G08B 25/00 (2006.01)**

[25] EN

[54] **AUTHENTICATING MOBILE LOCKERS**

[54] **AUTHENTIFICATION DE CASIERS MOBILES**

[72] WILKINSON, BRUCE W., US

[72] MATTINGLY, TODD D., US

[71] WALMART APOLLO, LLC, US

[85] 2019-02-01

[86] 2017-07-28 (PCT/US2017/044405)

[87] (WO2018/026652)

[30] US (62/371,443) 2016-08-05

[21] **3,032,797**
[13] A1

[51] **Int.Cl. A61K 31/47 (2006.01) A61K 9/12 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR MODIFYING THE BEHAVIOR OF ANIMALS**

[54] **PROCEDES ET COMPOSITIONS POUR MODIFIER LE COMPORTEMENT D'ANIMAUX**

[72] MCGLONE, JOHN J., US

[71] TEXAS TECH UNIVERSITY SYSTEM, US

[71] MCGLONE, JOHN J., US

[85] 2019-02-01

[86] 2017-08-01 (PCT/US2017/044830)

[87] (WO2018/026772)

[30] US (62/369,853) 2016-08-02

Demandes PCT entrant en phase nationale

[21] **3,032,799**
[13] A1

[51] **Int.Cl. H04M 3/50 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FACILITATING SETUP AND JOINING OF CONFERENCE CALLS**

[54] **SYSTEME ET PROCEDE POUR FACILITER L'ETABLISSEMENT ET LA JONCTION DE CONFERENCE TELEPHONIQUE**

[72] QUILICI, ALEXANDER E., US
[72] RUDOLPH, MICHAEL J., US
[71] YOUMAIL, INC., US
[85] 2019-02-01
[86] 2017-08-01 (PCT/US2017/044910)
[87] (WO2018/026820)
[30] US (62/369,510) 2016-08-01

[21] **3,032,806**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01)**

[25] EN
[54] **ANTIBODY TO PROGRAMMED DEATH-LIGAND 1 (PD-L1) AND USE THEREOF**

[54] **ANTICORPS DIRIGE CONTRE LE LIGAND 1 DE MORT PROGRAMMEE (PD-L1) ET SON UTILISATION**

[72] PARK, JAE EUN, KR
[72] CHOI, SOO A, KR
[72] LEE, JISU, KR
[72] LEE, HYUN MI, KR
[72] LEE, SI HYUNG, KR
[72] BAEK, GI SUN, KR
[72] KIM, YEUNG CHUL, KR
[72] PARK, BUM-CHAN, KR
[72] LIM, JUNG CHAE, KR
[72] CHO, YOUNG-GYU, KR
[72] PARK, YOUNG WOO, KR
[71] Y-BIOLOGICS INC., KR
[85] 2019-02-01
[86] 2017-08-07 (PCT/KR2017/008495)
[87] (WO2018/026249)
[30] KR (10-2016-0100211) 2016-08-05
[30] KR (10-2017-0099673) 2017-08-07

[21] **3,032,809**
[13] A1

[51] **Int.Cl. E04C 2/26 (2006.01) B28B 19/00 (2006.01) C04B 14/42 (2006.01) C04B 28/14 (2006.01)**

[25] EN
[54] **GYPNUM PANELS, MATS THEREFOR, AND METHODS**

[54] **PANNEAUX DE PLATRE, MATS POUR CEUX-CI ET PROCEDES**

[72] TENG, YI-HSIEN HARRY, US
[72] BRADFORD, ROCHELLE F., US
[71] GEORGIA-PACIFIC GYPSUM LLC, US
[85] 2019-02-01
[86] 2017-08-02 (PCT/US2017/045008)
[87] (WO2018/026876)
[30] US (62/370,671) 2016-08-03

[21] **3,032,812**
[13] A1

[51] **Int.Cl. G05D 1/02 (2006.01)**

[25] EN
[54] **METHODS FOR SIMULTANEOUS LOCALIZATION AND MAPPING (SLAM) AND RELATED APPARATUS AND SYSTEMS**

[54] **PROCEDES DE LOCALISATION ET CARTOGRAPHIE SIMULTANES (SLAM) ET APPAREIL ET SYSTEMES ASSOCIES**

[72] HARE, GABRIEL ARCHACKI, US
[71] REIFICATION INC., US
[85] 2019-02-01
[86] 2017-08-04 (PCT/US2017/045644)
[87] (WO2018/027206)
[30] US (62/371,187) 2016-08-04

[21] **3,032,825**
[13] A1

[51] **Int.Cl. A61F 2/46 (2006.01)**

[25] EN
[54] **SECUREMENT DEVICE FOR AN ORTHOPEDIC PROSTHESIS, THERMAL TREATMENT DEVICE FOR AN ORTHOPEDIC PROSTHESIS, AND METHODS OF USE**

[54] **DISPOSITIF DE FIXATION DE PROTHESE ORTHOPEDIQUE, DISPOSITIF DE TRAITEMENT THERMIQUE POUR PROTHESE ORTHOPEDIQUE ET PROCEDES D'UTILISATION**

[72] TERMANINI, ZAFER, US
[71] JOINT INNOVATION TECHNOLOGY, LLC, US
[85] 2019-02-01
[86] 2017-08-11 (PCT/US2017/046502)
[87] (WO2018/034983)
[30] US (15/239,189) 2016-08-17

[21] **3,032,827**
[13] A1

[51] **Int.Cl. C12Q 1/6809 (2018.01) C12N 15/113 (2010.01) C12Q 1/6876 (2018.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01)**

[25] EN
[54] **METHODS FOR DIAGNOSING AND TREATING ESOPHAGEAL CANCER**

[54] **METHODES DE DIAGNOSTIC ET DE TRAITEMENT DU CANCER DE L'ESOPHAGE**

[72] GOEL, AJAY, US
[72] MIYOSHI, JINSEI, US
[71] BAYLOR RESEARCH INSTITUTE, US
[85] 2019-02-01
[86] 2017-08-04 (PCT/IB2017/054800)
[87] (WO2018/025242)
[30] US (62/371,028) 2016-08-04

PCT Applications Entering the National Phase

[21] **3,032,828**
[13] A1

[51] **Int.Cl. B28B 1/52 (2006.01) B05C 3/18 (2006.01) B05C 11/02 (2006.01) B28B 19/00 (2006.01)**

[25] EN

[54] **HEADBOX AND FORMING STATION FOR FIBER-REINFORCED CEMENTITIOUS PANEL PRODUCTION**

[54] **BOITIER DE TETE ET STATION DE FORMAGE POUR LA PRODUCTION DE PANNEAUX A BASE DE CIMENT RENFORCEE PAR DES FIBRES**

[72] DUBEY, ASHISH, US

[72] GROZA, PETER B., US

[72] NELSON, CHRISTOPHER R., US

[71] UNITED STATES GYPSUM COMPANY, US

[85] 2019-02-01

[86] 2017-08-04 (PCT/US2017/045410)

[87] (WO2018/027088)

[30] US (62/371,569) 2016-08-05

[30] US (15/663,044) 2017-07-28

[21] **3,032,829**
[13] A1

[51] **Int.Cl. B28C 9/00 (2006.01) B01F 7/00 (2006.01) B01F 7/04 (2006.01) B01F 13/10 (2006.01) B28B 19/00 (2006.01) B28C 5/12 (2006.01) B28C 5/14 (2006.01) B28C 5/40 (2006.01) B01F 15/02 (2006.01)**

[25] EN

[54] **CONTINUOUS MIXER AND METHOD OF MIXING REINFORCING FIBERS WITH CEMENTITIOUS MATERIALS**

[54] **MELANGEUR CONTINU ET PROCEDE DE MELANGE DE FIBRES DE RENFORCEMENT AVEC DES MATERIAUX CIMENTAIRES**

[72] DUBEY, ASHISH, US

[72] GROZA, PETER B., US

[72] NELSON, CHRISTOPHER R., US

[71] UNITED STATES GYPSUM COMPANY, US

[85] 2019-02-01

[86] 2017-08-04 (PCT/US2017/045420)

[87] (WO2018/027090)

[30] US (62/371,578) 2016-08-05

[30] US (15/662,932) 2017-07-28

[21] **3,032,830**
[13] A1

[51] **Int.Cl. C07D 235/26 (2006.01) A61K 31/41 (2006.01) A61K 31/4184 (2006.01) A61P 3/10 (2006.01) A61P 9/00 (2006.01) C07D 403/04 (2006.01) C07D 403/12 (2006.01)**

[25] EN

[54] **BENZIMIDAZOLE DIRECT AMPK ACTIVATORS**

[54] **BENZIMIDAZOLE ACTIVATEURS DIRECT DE L'AMPK**

[72] SHAW, SIMON, US

[72] XU, XIANG, US

[72] ISSAKANI, SARKIZ, US

[72] SINGH, RAJINDER, US

[72] HITOSHI, YASUMICHI, US

[72] DUNCTON, MATTHEW, US

[72] LIN, NAN, US

[71] RIGEL PHARMACEUTICALS, INC., US

[85] 2019-02-01

[86] 2017-08-15 (PCT/US2017/046959)

[87] (WO2018/035128)

[30] US (62/376,950) 2016-08-19

[21] **3,032,831**
[13] A1

[51] **Int.Cl. H01M 8/2485 (2016.01) H01M 8/086 (2016.01)**

[25] EN

[54] **FUEL CELL MANIFOLD ASSEMBLY INCLUDING A SELF-SUPPORTING POLYMER MATERIAL LINER**

[54] **ASSEMBLAGE COLLECTEUR DE PILE A COMBUSTIBLE COMPRENANT UN REVETEMENT DE MATERIAU POLYMERE AUTOPORTANT**

[72] PATTERSON, TIMOTHY WILLIAM, JR., US

[72] RIDGEWAY, KRISTOFFER H., US

[72] NORI, CHANDRASEKHAR V., US

[72] O'BRIEN, ERIC J., US

[71] DOOSAN FUEL CELL AMERICA, INC., US

[85] 2019-02-01

[86] 2017-08-17 (PCT/US2017/047338)

[87] (WO2018/039032)

[30] US (15/242,846) 2016-08-22

[21] **3,032,832**
[13] A1

[51] **Int.Cl. E21B 33/13 (2006.01)**

[25] EN

[54] **METHOD OF USING LOW-DENSITY, FREEZABLE FLUID TO CREATE A FLOW BARRIER IN A WELL**

[54] **PROCEDE D'UTILISATION D'UN FLUIDE CONGELABLE A FAIBLE DENSITE POUR CREER UNE BARRIERE D'ECOULEMENT DANS UN PUIT**

[72] COMBS, NATHAN KYLE, US

[72] WATTERS, JEFFREY THOMAS, US

[72] BROWN, DAVID DUANE, US

[72] WATTERS, LARRY THOMAS, US

[71] CSI TECHNOLOGIES, LLC, US

[85] 2019-02-01

[86] 2017-08-04 (PCT/US2017/045423)

[87] (WO2018/027093)

[30] US (62/494,323) 2016-08-05

[30] US (15/668,513) 2017-08-03

[21] **3,032,833**
[13] A1

[51] **Int.Cl. B28B 1/52 (2006.01) B01F 3/12 (2006.01) B01F 7/00 (2006.01) B01F 7/04 (2006.01) B01F 7/08 (2006.01) B28B 3/22 (2006.01) B28B 5/02 (2006.01) B28C 5/12 (2006.01) B28C 5/14 (2006.01) B28C 5/40 (2006.01) B29B 7/48 (2006.01) B01F 15/02 (2006.01)**

[25] EN

[54] **A METHOD FOR PRODUCING FIBER REINFORCED CEMENTITIOUS SLURRY USING A MULTI-STAGE CONTINUOUS MIXER**

[54] **PROCEDE DE PRODUCTION D'UNE SUSPENSION A BASE DE CIMENT RENFORCEE PAR DES FIBRES A L'AIDE D'UN MELANGEUR CONTINU A PLUSIEURS ETAGES**

[72] DUBEY, ASHISH, US

[72] GROZA, PETER B., US

[72] NELSON, CHRISTOPHER R., US

[71] UNITED STATES GYPSUM COMPANY, US

[85] 2019-02-01

[86] 2017-08-04 (PCT/US2017/045426)

[87] (WO2018/027095)

[30] US (62/371,590) 2016-08-05

[30] US (15/663,104) 2017-07-28

Demandes PCT entrant en phase nationale

[21] **3,032,834**
[13] A1

[51] **Int.Cl. B28B 1/52 (2006.01) B01F 3/12 (2006.01) B01F 7/00 (2006.01) B01F 7/04 (2006.01) B01F 7/08 (2006.01) B28B 3/22 (2006.01) B28B 5/02 (2006.01) B28C 5/12 (2006.01) B28C 5/14 (2006.01) B28C 5/40 (2006.01) B29B 7/48 (2006.01)**

[25] EN

[54] **CONTINUOUS METHODS OF MAKING FIBER REINFORCED CONCRETE PANELS**

[54] **PROCEDES CONTINUS DE FABRICATION DE PANNEAUX EN BETON RENFORCES PAR DES FIBRES**

[72] DUBEY, ASHISH, US
[72] GROZA, PETER B., US
[72] NELSON, CHRISTOPHER R., US
[71] UNITED STATES GYPSUM COMPANY, US
[85] 2019-02-01
[86] 2017-08-04 (PCT/US2017/045433)
[87] (WO2018/027100)
[30] US (62/371,554) 2016-08-05
[30] US (15/663,007) 2017-07-28

[21] **3,032,835**
[13] A1

[51] **Int.Cl. E21B 43/00 (2006.01) E21C 41/00 (2006.01) H05H 1/24 (2006.01)**

[25] EN

[54] **PLASMA PULSE DEVICE FOR SHOCK WAVE STIMULATION OF WELLS, DEPOSITS, AND BOREHOLES**

[54] **DISPOSITIF A IMPULSIONS DE PLASMA POUR LA STIMULATION PAR ONDES DE CHOC DE PUIITS, DE DEPOTS ET DE TROUS DE FORAGE**

[72] HUNTER, TRENT, CA
[72] OLSON, THOMAS A., US
[71] PLEDGE PETROLEUM CORP., US
[85] 2019-02-01
[86] 2017-08-04 (PCT/US2017/045451)
[87] (WO2018/027109)
[30] US (62/371,490) 2016-08-05

[21] **3,032,836**
[13] A1

[51] **Int.Cl. F21S 2/00 (2016.01) F21K 9/69 (2016.01) F21V 23/00 (2015.01)**

[25] EN

[54] **LIGHTING DEVICE LED MODULE WITH EFFECTS FOR BEAM SPREAD TUNING AND BEAM SHAPING**

[54] **MODULE LED DE DISPOSITIF D'ECLAIRAGE AVEC EFFETS POUR L'ACCORD D'ETALEMENT DU FAISCEAU ET MISE EN FORME DU FAISCEAU**

[72] NOLAN, CHRISTOPHER D., US
[72] CASPER, JOSEPH R., US
[72] VOLLMER, BENJAMIN DAVID, US
[72] DEDERICH, GEORGE, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[85] 2019-02-01
[86] 2017-08-04 (PCT/US2017/045475)
[87] (WO2018/027121)
[30] US (62/371,394) 2016-08-05

[21] **3,032,837**
[13] A1

[51] **Int.Cl. A61K 31/4196 (2006.01) A61K 31/164 (2006.01) A61K 31/198 (2006.01) A61K 31/4412 (2006.01)**

[25] EN

[54] **DOSING REGIMENS FOR TREATING METAL-MEDIATED CONDITIONS**

[54] **REGIMES POSOLOGIQUES POUR LE TRAITEMENT D'ETATS A MEDIATION PAR UN METAL**

[72] BURKE, STEVEN KEITH, US
[72] BERGERON, RAYMOND J., JR., US
[71] ABFERO PHARMACEUTICALS, INC., US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US
[85] 2019-02-01
[86] 2017-08-04 (PCT/US2017/045495)
[87] (WO2018/027132)
[30] US (62/371,274) 2016-08-05
[30] US (62/371,280) 2016-08-05

[21] **3,032,838**
[13] A1

[51] **Int.Cl. C12N 15/62 (2006.01) A61K 35/12 (2015.01) A61K 38/00 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 37/02 (2006.01) C07K 14/54 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/85 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR IMMUNOTHERAPY**

[54] **COMPOSITIONS ET PROCEDES POUR IMMUNOTHERAPIE**

[72] BRENTJENS, RENIER J., US
[72] AVANZI, MAURO P., US
[72] YOO, SARAH, US
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[85] 2019-02-01
[86] 2017-08-04 (PCT/US2017/045550)
[87] (WO2018/027155)
[30] US (62/370,969) 2016-08-04

[21] **3,032,839**
[13] A1

[51] **Int.Cl. A61K 49/00 (2006.01) A61K 47/50 (2017.01) A61K 47/55 (2017.01) A61K 47/56 (2017.01) A61K 47/34 (2017.01)**

[25] EN

[54] **MEMBRANE-LYTIC BLOCK COPOLYMERS**

[54] **COPOLYMERES SEQUENCES LYTIQUES DE LA MEMBRANE**

[72] CHENG, YILONG, US
[72] PUN, SUZIE H., US
[71] UNIVERSITY OF WASHINGTON, US
[85] 2019-02-01
[86] 2017-08-04 (PCT/US2017/045566)
[87] (WO2018/027164)
[30] US (62/371,163) 2016-08-04

PCT Applications Entering the National Phase

[21] **3,032,858**
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/166 (2006.01) A61K 31/167 (2006.01)**

[25] EN

[54] **NEW USE OF N,N-BIS-2-MERCAPTOETHYL ISOPHTHALAMIDE**

[54] **NOUVELLE UTILISATION DU N,N-BIS-2-MERCAPTOETHYL-ISOPHTHALAMIDE**

[72] HALEY, BOYD EUGENE, US

[72] KLINGBERG, RAGNAR AXEL THEODOR, SE

[71] EMERAMED LIMITED, IE

[85] 2019-02-01

[86] 2017-08-04 (PCT/GB2017/052306)

[87] (WO2018/025049)

[30] GB (1613535.2) 2016-08-05

[21] **3,032,859**
[13] A1

[51] **Int.Cl. A01G 25/16 (2006.01) A01G 9/00 (2018.01) A01G 9/02 (2018.01) A01G 25/00 (2006.01) G09F 3/00 (2006.01) G09F 3/02 (2006.01)**

[25] EN

[54] **PROCESS AND APPARATUS FOR PROVIDING DURABLE PLANT TAGS FOR HORTICULTURAL ORGANIZATION**

[54] **PROCEDE ET APPAREIL PERMETTANT DE FOURNIR DES ETIQUETTES DURABLES AUX VEGETAUX POUR L'ORGANISATION HORTICOLE**

[72] DAVIS, JACK, US

[72] LEVI, ANDREW, US

[71] ORORA VISUAL TX, LLC, US

[85] 2019-02-01

[86] 2017-07-31 (PCT/US2017/044708)

[87] (WO2018/026721)

[30] US (15/230,015) 2016-08-05

[21] **3,032,860**
[13] A1

[51] **Int.Cl. E21B 47/16 (2006.01) E21B 47/12 (2012.01)**

[25] EN

[54] **RESERVOIR FORMATION CHARACTERIZATION USING A DOWNHOLE WIRELESS NETWORK**

[54] **CARACTERISATION D'UNE FORMATION DE RESERVOIR AU MOYEN D'UN RESEAU SANS FIL DE FOND DE TROU**

[72] DISKO, MARK M., US

[72] SONG, LIMIN, US

[71] EXXONMOBILE UPSTREAM RESEARCH COMPANY, US

[85] 2019-02-01

[86] 2017-08-01 (PCT/US2017/044935)

[87] (WO2018/044470)

[30] US (62/381,330) 2016-08-30

[30] US (62/428,380) 2016-11-30

[21] **3,032,861**
[13] A1

[51] **Int.Cl. H01J 49/04 (2006.01)**

[25] EN

[54] **LASER ABLATION SYSTEM**

[54] **SYSTEME D'ABLATION LASER**

[72] LOBODA, ALEXANDER V., CA

[71] FLUIDIGM CANADA INC., CA

[85] 2019-02-01

[86] 2017-08-02 (PCT/US2017/045060)

[87] (WO2018/026898)

[30] US (62/370,180) 2016-08-02

[21] **3,032,862**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) G06K 7/10 (2006.01) G06K 19/07 (2006.01)**

[25] EN

[54] **PASSIVE SENSORS AND RELATED STRUCTURES FOR IMPLANTABLE BIOMEDICAL DEVICES**

[54] **CAPTEURS PASSIFS ET STRUCTURES ASSOCIEES DESTINES A DES DISPOSITIFS BIOMEDICAUX IMPLANTABLES**

[72] SMIRNOV, YURI, US

[71] SMIRNOV, YURI, US

[85] 2019-02-01

[86] 2017-08-02 (PCT/US2017/045142)

[87] (WO2018/026945)

[30] US (62/370,563) 2016-08-03

[21] **3,032,863**
[13] A1

[51] **Int.Cl. B81C 1/00 (2006.01) B81B 7/00 (2006.01) G01N 33/00 (2006.01) G01N 33/48 (2006.01)**

[25] EN

[54] **MICROFLUIDIC DEVICE**

[54] **DISPOSITIF MICROFLUIDIQUE**

[72] MAHMUD, ALMOSTASIM, CA

[72] MACDONALD, BRENDAN, CA

[72] BLONDEEL, ERIC, CA

[71] EXVIVO LABS INC., CA

[85] 2019-02-04

[86] 2017-08-18 (PCT/CA2017/050979)

[87] (WO2018/032112)

[30] US (62/377,236) 2016-08-19

[21] **3,032,864**
[13] A1

[51] **Int.Cl. C10L 1/32 (2006.01) B01F 3/08 (2006.01)**

[25] EN

[54] **METHOD OF PREPARING A WATER IN OIL EMULSION**

[54] **PROCEDE DE PREPARATION D'UNE EMULSION EAU DANS HUILE**

[72] GALVIN, KEVIN PATRICK, AU

[72] VAN NETTEN, KIM, AU

[71] THE UNIVERSITY OF NEWCASTLE, AU

[85] 2019-02-04

[86] 2017-08-04 (PCT/AU2017/050824)

[87] (WO2018/027260)

[30] AU (2016903103) 2016-08-08

[21] **3,032,865**
[13] A1

[51] **Int.Cl. G08B 17/107 (2006.01)**

[25] EN

[54] **SMOKE DETECTOR**

[54] **DETECTEUR DE FUMEE**

[72] PATEL, VIPUL, US

[72] GADONNIEX, DENNIS MICHAEL, US

[71] CARRIER CORPORATION, US

[85] 2019-02-01

[86] 2017-08-04 (PCT/US2017/045441)

[87] (WO2018/027104)

[30] US (62/370,755) 2016-08-04

Demandes PCT entrant en phase nationale

[21] **3,032,867**
[13] A1

[51] **Int.Cl. G01N 15/04 (2006.01) G01N 21/47 (2006.01) G01N 21/59 (2006.01)**

[25] EN

[54] **AUTOMATIC SEDIMENTATION AND SEPARATION CURVE GENERATOR**

[54] **GENERATEUR DE COURBE DE SEDIMENTATION ET DE SEPARATION AUTOMATIQUE**

[72] MOHANARANGAM, KRISHNA, AU

[72] MONCH, ANDREAS, AU

[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU

[85] 2019-02-04

[86] 2017-08-16 (PCT/AU2017/050872)

[87] (WO2018/035558)

[30] AU (2016903332) 2016-08-22

[21] **3,032,869**
[13] A1

[51] **Int.Cl. E21B 41/00 (2006.01) E21B 21/00 (2006.01) E21B 43/26 (2006.01)**

[25] EN

[54] **DRILLING RIG POWER SUPPLY BUS MANAGEMENT**

[54] **GESTION DE BUS D'ALIMENTATION ELECTRIQUE D'APPAREIL DE FORAGE**

[72] ROUSE, CODIE, CA

[72] ROUSE, JOHN, CA

[71] ROUSE INDUSTRIES INC., CA

[85] 2019-02-04

[86] 2018-05-23 (PCT/CA2018/050601)

[87] (WO2018/213925)

[30] CA (2967921) 2017-05-23

[21] **3,032,870**
[13] A1

[51] **Int.Cl. C07K 14/725 (2006.01) C07K 14/82 (2006.01)**

[25] EN

[54] **ANTI-KRAS-G12D T CELL RECEPTORS**

[54] **RECEPTEURS DES LYMPHOCYTES T ANTI-KRAS-G12D**

[72] TRAN, ERIC, US

[72] LU, YONG-CHEN, US

[72] PASETTO, ANNA, US

[72] ROBBINS, PAUL F., US

[72] ROSENBERG, STEVEN A., US

[72] ZHENG, ZHILI, US

[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US

[85] 2019-02-01

[86] 2017-07-31 (PCT/US2017/044615)

[87] (WO2018/026691)

[30] US (62/369,883) 2016-08-02

[21] **3,032,872**
[13] A1

[51] **Int.Cl. C08G 59/50 (2006.01) C04B 40/06 (2006.01) C08L 63/00 (2006.01)**

[25] EN

[54] **TWO-COMPONENT MORTAR COMPOUND AND USE THEREOF**

[54] **MATERIAU POUR MORTIER A DEUX COMPOSANTS ET SON UTILISATION**

[72] CAKMAK, MESUT, DE

[72] KUMRU, MEMET-EMIN, DE

[71] HILTI AKTIENGESELLSCHAFT, LI

[85] 2019-02-04

[86] 2017-07-20 (PCT/EP2017/068356)

[87] (WO2018/041465)

[30] EP (16186195.0) 2016-08-30

[21] **3,032,873**
[13] A1

[51] **Int.Cl. B05B 11/00 (2006.01) B05B 1/34 (2006.01)**

[25] EN

[54] **FINGER SPRAY PUMP AND NOZZLE HEAD FOR SPRAY PUMP**

[54] **POMPE DE PULVERISATION ACTIONNEE PAR UN DOIGT ET TETE DE BUSE POUR POMPE DE PULVERISATION**

[72] GOTTKE, SABINE, DE

[71] RPC BRAMLAGE GMBH, DE

[85] 2019-02-04

[86] 2017-07-31 (PCT/EP2017/069285)

[87] (WO2018/024657)

[30] DE (10 2016 114 456.8) 2016-08-04

[21] **3,032,874**
[13] A1

[51] **Int.Cl. B64D 45/08 (2006.01) G06K 9/00 (2006.01)**

[25] EN

[54] **METHOD, DEVICE AND SYSTEM FOR GUIDING UNMANNED AERIAL VEHICLE TO LAND**

[54] **PROCEDE, DISPOSITIF ET SYSTEME DE GUIDAGE D'ATTERRISSAGE DE VEHICULE AERIEN SANS PILOTE**

[72] HAN, SONG, CN

[71] BEIJING JINGDONG SHANGKE INFORMATION TECHNOLOGY CO, LTD., CN

[71] BEIJING JINGDONG CENTURY TRADING CO., LTD., CN

[85] 2019-02-04

[86] 2017-07-05 (PCT/CN2017/091781)

[87] (WO2018/024069)

[30] CN (201610632597.0) 2016-08-04

PCT Applications Entering the National Phase

[21] **3,032,875**
[13] A1

[51] **Int.Cl. C07C 45/48 (2006.01) C07C 49/04 (2006.01) C07C 49/20 (2006.01)**
[25] EN
[54] **PROCESS FOR THE DECARBOXYLATIVE KETONIZATION OF FATTY ACIDS OR FATTY ACID DERIVATIVES**
[54] **PROCEDE DE CETONISATION DECARBOXYLANTE D'ACIDES GRAS OU DE DERIVES D'ACIDES GRAS**
[72] BACK, OLIVIER, FR
[72] LEROY, REMY, FR
[72] MARION, PHILIPPE, FR
[71] RHODIA OPERATIONS, FR
[85] 2019-02-04
[86] 2017-08-17 (PCT/EP2017/070884)
[87] (WO2018/033607)
[30] EP (16306069.2) 2016-08-19
[30] EP (16306470.2) 2016-11-08

[21] **3,032,878**
[13] A1

[51] **Int.Cl. C12N 1/22 (2006.01) C12N 1/12 (2006.01) C12P 7/64 (2006.01) C12P 19/02 (2006.01) C12P 19/14 (2006.01)**
[25] EN
[54] **PRODUCING AND ALTERING MICROBIAL FERMENTATION PRODUCTS USING NON-COMMONLY USED LIGNOCELLULOSIC HYDROLYSATES**
[54] **PRODUCTION ET MODIFICATION DE PRODUITS DE FERMENTATION AU MOYEN D'HYDROLYSATS LIGNOCELLULOSIQUES PEU COURAMMENT UTILISES**
[72] NOLASCO, NORIE ANNE B., US
[72] VASAVADA, AMIT, US
[72] KUEHNLE, ADELHEID R., US
[72] SCHURR, ROBERT J., US
[71] KUEHNLE AGROSYSTEMS, INC., US
[85] 2019-02-01
[86] 2017-08-04 (PCT/US2017/045595)
[87] (WO2018/027181)
[30] US (62/371,492) 2016-08-05

[21] **3,032,879**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **INDUCTIVE HEATING DEVICE, AEROSOL-GENERATING SYSTEM COMPRISING AN INDUCTIVE HEATING DEVICE AND METHOD OF OPERATING THE SAME**
[54] **DISPOSITIF DE CHAUFFAGE PAR INDUCTION, SYSTEME DE GENERATION D'AEROSOL COMPRENANT UN DISPOSITIF DE CHAUFFAGE PAR INDUCTION ET PROCEDE D'UTILISATION CORRESPONDANT**
[72] FURSA, OLEG, CH
[72] MIRONOV, OLEG, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2019-02-04
[86] 2017-11-22 (PCT/EP2017/080127)
[87] (WO2018/096000)
[30] EP (16200121.8) 2016-11-22

[21] **3,032,880**
[13] A1

[51] **Int.Cl. F16K 31/50 (2006.01) F16K 1/04 (2006.01) F16K 1/38 (2006.01) F16K 35/04 (2006.01) F16K 37/00 (2006.01)**
[25] EN
[54] **VALVE**
[54] **VANNE**
[72] HARSCH, KLAUS, DE
[71] EISELE PNEUMATICS GMBH & CO. KG, DE
[85] 2019-02-04
[86] 2017-06-29 (PCT/EP2017/000780)
[87] (WO2018/024352)
[30] DE (10 2016 009 525.3) 2016-08-04

[21] **3,032,881**
[13] A1

[51] **Int.Cl. H01M 8/0293 (2016.01) H01M 8/086 (2016.01)**
[25] EN
[54] **BORON PHOSPHATE MATRIX LAYER**
[54] **COUCHE MATRICIELLE DE PHOSPHATE DE BORE**
[72] ARPIN, KEVIN A., US
[71] DOOSAN FUEL CELL AMERICA, INC., US
[85] 2019-02-01
[86] 2017-08-21 (PCT/US2017/047738)
[87] (WO2018/039104)
[30] US (15/244,328) 2016-08-23

[21] **3,032,883**
[13] A1

[51] **Int.Cl. G06F 15/16 (2006.01)**
[25] EN
[54] **TECHNOLOGIES FOR MANAGING APPLICATION CONFIGURATIONS AND ASSOCIATED CREDENTIALS**
[54] **TECHNOLOGIES DESTINEES A GERER DES CONFIGURATIONS D'APPLICATION ET DES JUSTIFICATIFS D'IDENTITE ASSOCIES**
[72] MELLIERE, PAUL L., US
[72] NICHOLSON, TIMOTHY ERIC, US
[72] BICKELL, AARON, US
[72] DILL, BRIAN, US
[71] GREENEDEN U.S. HOLDINGS II, LLC, US
[85] 2019-02-01
[86] 2017-06-29 (PCT/US2017/040128)
[87] (WO2018/005879)
[30] US (62/356,095) 2016-06-29
[30] US (62/356,097) 2016-06-29

Demandes PCT entrant en phase nationale

[21] **3,032,884**
[13] A1

[51] **Int.Cl. C04B 28/00 (2006.01)**
[25] EN
[54] **DRY PARTICULATE COMPOSITIONS FOR THE FORMATION OF GEOPOLYMERS, A PROCESS FOR FORMING GEOPOLYMERS AND THE GEOPOLYMERS OBTAINED AS A RESULT**
[54] **COMPOSITIONS PARTICULAIRES SECHES POUR LA FORMATION DE GEOPOLYMERES, PROCEDE DE FORMATION DE GEOPOLYMERES ET GEOPOLYMERES OBTENUS EN TANT QUE RESULTAT**
[72] AUTEF, ALEXANDRE, FR
[71] IMERTECH SAS, FR
[85] 2019-02-04
[86] 2017-07-17 (PCT/EP2017/068018)
[87] (WO2018/024474)
[30] FR (16/01209) 2016-08-05
[30] EP (16306086.6) 2016-08-25

[21] **3,032,885**
[13] A1

[51] **Int.Cl. C07K 7/06 (2006.01) A61K 38/00 (2006.01) A61K 38/08 (2019.01) C07K 14/715 (2006.01)**
[25] EN
[54] **CXCR4 ANTAGONISTS AND METHODS OF USE**
[54] **ANTAGONISTES DE CXCR4 ET METHODES D'UTILISATION**
[72] ZHANG, JUNGE, US
[72] YAN, LIANG ZENG, US
[71] MAINLINE BIOSCIENCES, US
[85] 2019-02-01
[86] 2017-09-05 (PCT/US2017/050106)
[87] (WO2018/048806)
[30] US (62/384,132) 2016-09-06
[30] US (62/505,064) 2017-05-11

[21] **3,032,886**
[13] A1

[51] **Int.Cl. D21H 17/37 (2006.01) D21H 17/00 (2006.01) D21H 17/29 (2006.01) D21H 21/10 (2006.01) D21H 21/18 (2006.01)**
[25] EN
[54] **DRY STRENGTH COMPOSITION, ITS USE AND METHOD FOR MAKING OF PAPER, BOARD OR THE LIKE**
[54] **COMPOSITION A RESISTANCE A SEC, SON UTILISATION ET PROCEDE DE FABRICATION DE PAPIER, DE CARTON OU EQUIVALENT**
[72] HIETANIEMI, MATTI, FI
[72] KARPPI, ASKO, FI
[72] VIRTANEN, MIKKO, FI
[71] KEMIRA OYJ, FI
[85] 2019-02-04
[86] 2017-09-26 (PCT/FI2017/050674)
[87] (WO2018/055239)
[30] FI (20165718) 2016-09-26

[21] **3,032,887**
[13] A1

[51] **Int.Cl. C08J 9/14 (2006.01)**
[25] EN
[54] **NOVEL FOAMS WITH Z-1,1,1,4,4,4-HEXAFLUORO-2-BUTENE**
[54] **NOUVELLES MOUSSES CONTENANT Z -1,1,1,4,4,4-HEXAFLUORO-2-BUTENE**
[72] WYSONG, ERNEST BYRON, US
[72] HITCHENS, BRUCE P., US
[72] TOCYLOSKI, JAMES M., US
[71] THE CHEMOURS COMPANY FC, LLC, US
[85] 2019-02-01
[86] 2017-09-20 (PCT/US2017/052420)
[87] (WO2018/057571)
[30] US (62/398,771) 2016-09-23

[21] **3,032,888**
[13] A1

[51] **Int.Cl. G01N 21/90 (2006.01)**
[25] EN
[54] **DEVICE FOR THE CONTINUOUS QUALITY CONTROL OF CONTAINERS**
[54] **DISPOSITIF DE CONTROLE CONTINU DE LA QUALITE DE RECIPIENTS**
[72] BONARDI, MASSIMO, IT
[72] ZORZELLA, EMIDIO, IT
[71] ANTARES VISION S.R.L., IT
[85] 2019-02-04
[86] 2017-07-24 (PCT/EP2017/068627)
[87] (WO2018/024526)
[30] IT (102016000082297) 2016-08-04

[21] **3,032,891**
[13] A1

[51] **Int.Cl. A61K 39/12 (2006.01) C07K 14/005 (2006.01) C12N 7/00 (2006.01)**
[25] EN
[54] **PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME VIRUS CDNA CLONE AND USES THEREOF**
[54] **CLONE D'ADNC DU VIRUS DU SYNDROME REPRODUCTEUR ET RESPIRATOIRE PORCIN ET SES UTILISATIONS**
[72] GIBERT PEREZ, XAVIER, ES
[72] SITJA ARNAU, MARTA, ES
[72] FENECH MARTINEZ, MARIA MAR, ES
[72] ELENA FITO, SANTIAGO FRANCISCO, ES
[72] MARTIN GARCIA, SUSANA, ES
[71] HIPRA SCIENTIFIC, S.L.U., ES
[71] CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS (CSIC), ES
[85] 2019-02-04
[86] 2017-07-31 (PCT/EP2017/069329)
[87] (WO2018/024677)
[30] EP (16382391.7) 2016-08-05

PCT Applications Entering the National Phase

[21] **3,032,892**
[13] A1

[51] **Int.Cl. E21B 19/07 (2006.01) E21B 19/10 (2006.01)**
[25] EN
[54] **HORSESHOE SLIP ELEVATOR**
[54] **ELEVATEUR COULISSANT POUR FER A CHEVAL**
[72] MOSS, ALFRED, US
[72] GUIDRY, NICHOLAS, US
[72] SMITH, LOGAN, US
[72] NEUVILLE, DAX JOSEPH, US
[71] FRANK'S INTERNATIONAL, LLC, US
[85] 2019-02-01
[86] 2017-10-06 (PCT/US2017/055491)
[87] (WO2018/071291)
[30] US (62/407,018) 2016-10-12
[30] US (15/718,925) 2017-09-28

[21] **3,032,894**
[13] A1

[51] **Int.Cl. B61B 13/02 (2006.01)**
[25] EN
[54] **A SLIP GEAR FOR AN INDUSTRIAL CART**
[54] **ENGRENAGE A GLISSEMENT DESTINE A UN CHARIOT INDUSTRIEL**
[72] MILLAR, GARY BRET, US
[72] STOTT, MARK GERALD, US
[72] TUELLER, TODD GARRETT, US
[72] HURST, MICHAEL STEPHEN, US
[72] BENTLEY, ALAN RAY, US
[72] WOODBURY, TAYLOR JOHN, US
[72] HURST, KEVIN, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2019-02-01
[86] 2018-02-15 (PCT/US2018/018294)
[87] (WO2018/231284)
[30] US (62/519,304) 2017-06-14
[30] US (62/519,308) 2017-06-14

[21] **3,032,895**
[13] A1

[51] **Int.Cl. F02F 1/22 (2006.01) F02B 25/26 (2006.01) F02B 75/20 (2006.01) F02B 75/18 (2006.01)**
[25] EN
[54] **PORT BELT ARRANGEMENT**
[54] **AGENCEMENT DE COURROIE A ORIFICES**
[72] FREEMAN, EUAN, GB
[71] COX POWERTRAIN LIMITED, GB
[85] 2019-02-04
[86] 2017-08-02 (PCT/EP2017/069525)
[87] (WO2018/024771)
[30] GB (1613509.7) 2016-08-05

[21] **3,032,897**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-ICOS ANTIBODIES**
[54] **ANTICORPS ANTI-ICOS**
[72] SAINSON, RICHARD CHARLES ALFRED, GB
[72] ARKINSTALL, STEPHEN JOHN, GB
[72] CAMPBELL, JAMIE IAIN, GB
[72] ALI, MOHAMMED HANIF, GB
[72] LEE, E-CHIANG, GB
[72] MCCOURT, MATTHEW JOHN, GB
[72] SANDY, NIKOLE, GB
[72] VAN KRINKS, CASSANDRA, GB
[72] GERMASCHESKI, VOLKER, GB
[72] KIRBY, IAN, GB
[72] KOSMAC, MIHA, GB
[72] GALLAGHER, THOMAS, GB
[72] DEANTONIO, CECILIA, GB
[72] GILLIES, STEPHEN DOUGLAS, US
[71] KYMAB LIMITED, GB
[85] 2019-02-04
[86] 2017-08-09 (PCT/GB2017/052352)
[87] (WO2018/029474)
[30] GB (1613683.0) 2016-08-09
[30] GB (1615224.1) 2016-09-07
[30] GB (1615335.5) 2016-09-09
[30] US (15/354,971) 2016-11-17
[30] GB (1620414.1) 2016-12-01
[30] GB (1621782.0) 2016-12-20
[30] GB (1702338.3) 2017-02-13
[30] GB (1702339.1) 2017-02-13
[30] GB (1703071.9) 2017-02-24
[30] US (15/480,525) 2017-04-06
[30] GB (1709818.7) 2017-06-20
[30] GB (PCT/GB2017/051794) 2017-06-20
[30] TW (106120563) 2017-06-20
[30] GB (PCT/GB2017/051795) 2017-06-20
[30] TW (106120562) 2017-06-20
[30] GB (PCT/GB2017/051796) 2017-06-20
[30] TW (106120564) 2017-06-20

[21] **3,032,898**
[13] A1

[51] **Int.Cl. F04C 18/08 (2006.01) F04C 18/16 (2006.01) F04C 25/02 (2006.01)**
[25] EN
[54] **SCREW VACUUM PUMP**
[54] **POMPE A VIDE A VIS**
[72] DREIFERT, THOMAS, DE
[72] SCHILLER, DIRK, DE
[72] GIEBMANN, WOLFGANG, DE
[72] MULLER, ROLAND, DE
[71] LEYBOLD GMBH, DE
[85] 2019-02-04
[86] 2017-08-14 (PCT/EP2017/070566)
[87] (WO2018/041614)
[30] DE (20 2016 005 209.9) 2016-08-30

[21] **3,032,899**
[13] A1

[51] **Int.Cl. C07D 471/18 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **COMPOUNDS**
[54] **COMPOSES**
[72] GALLAGHER, TIMOTHY CHARLES, GB
[72] REGO CAMPELLO, HUGO, GB
[71] THE UNIVERSITY OF BRISTOL, GB
[85] 2019-02-04
[86] 2017-08-17 (PCT/GB2017/052438)
[87] (WO2018/033742)
[30] GB (1614235.8) 2016-08-19
[30] GB (1709642.1) 2017-06-16

[21] **3,032,900**
[13] A1

[51] **Int.Cl. A23J 1/00 (2006.01) A23J 1/12 (2006.01) C12C 5/00 (2006.01) C12C 11/00 (2006.01)**
[25] EN
[54] **A PROCESS FOR PREPARING A BEVERAGE OR BEVERAGE COMPONENT, BEVERAGE OR BEVERAGE COMPONENT PREPARED BY SUCH PROCESS, AND USE OF BREWER'S SPENT GRAINS FOR PREPARING SUCH BEVERAGE OR BEVERAGE COMPONENT**
[54] **PROCEDE DE PREPARATION D'UNE BOISSON OU D'UN CONSTITUANT DE BOISSON, BOISSON OU CONSTITUANT DE BOISSON PREPARE(E) AU MOYEN DUDIT PROCEDE, ET UTILISATION DE DRECHES DE BRASSERIE DESTINEES A PREPARER UNE TELLE BOISSON OU UN TEL CONSTITUANT DE BOISSON**
[72] GIL-MARTINEZ, JORGE, BE
[72] ARENDT, ELKE, BE
[71] ANHEUSER-BUSCH INBEV S.A., BE
[85] 2019-02-04
[86] 2017-08-14 (PCT/EP2017/070630)
[87] (WO2018/033521)
[30] EP (16184254.7) 2016-08-16

Demandes PCT entrant en phase nationale

[21] **3,032,901**
[13] A1

[51] **Int.Cl. A61K 39/12 (2006.01)**
[25] EN
[54] **MULTIVALENT VACCINE COMPOSITION**
[54] **COMPOSITION VACCINALE MULTIVALENTE**
[72] DHERE, RAJEEV MHALASAKANT, IN
[72] PISAL, SAMBHAJI SHANKAR, IN
[72] ZADE, JAGDISH KAMALAJI, IN
[72] SABALE, RAJENDRA NARAYAN, IN
[72] KADAM, RAVINDRA BAPURAO, IN
[72] KAMBLE, ABHIJEET SANJEEV, IN
[72] JIANG, BAOMING, US
[72] GLASS, ROGER, US
[71] SERUM INSTITUTE OF INDIA PRIVATE LIMITED, IN
[71] THE CENTERS FOR DISEASE CONTROL AND PREVENTION (CDC), US
[85] 2019-02-04
[86] 2017-08-24 (PCT/IB2017/055100)
[87] (WO2018/037365)
[30] IN (201621029037) 2016-08-26

[21] **3,032,902**
[13] A1

[51] **Int.Cl. A23J 1/00 (2006.01) A23J 1/12 (2006.01) C12C 5/00 (2006.01) C12C 11/00 (2006.01)**
[25] EN
[54] **A PROCESS FOR PREPARING A BEVERAGE OR BEVERAGE COMPONENT FROM BREWER'S SPENT GRAINS**
[54] **PROCEDE DE PREPARATION D'UNE BOISSON OU D'UN CONSTITUANT DE BOISSON A PARTIR DE DRECHES DE BRASSERIE**
[72] GIL-MARTINEZ, JORGE, BE
[72] ARENDT, ELKE, BE
[71] ANHEUSER-BUSCH INBEV S.A., BE
[85] 2019-02-04
[86] 2017-08-14 (PCT/EP2017/070631)
[87] (WO2018/033522)
[30] EP (16184254.7) 2016-08-16

[21] **3,032,903**
[13] A1

[51] **Int.Cl. C10K 1/02 (2006.01) C10K 3/00 (2006.01) C10K 3/02 (2006.01)**
[25] EN
[54] **SEPARATOR SYSTEM AND TAR REFORMER SYSTEM**
[54] **SYSTEME SEPARATEUR ET SYSTEME REFORMEUR DE GOUDRON**
[72] MADSEN, JORGEN, DK
[72] GAMBARINI, ERIK, DK
[72] LOGSTED-NIELSEN, ERIK, DK
[71] HALDOR TOPSOE A/S, DK
[85] 2019-02-04
[86] 2017-08-22 (PCT/EP2017/071134)
[87] (WO2018/054635)
[30] DK (PA 2016 00552) 2016-09-21

[21] **3,032,904**
[13] A1

[51] **Int.Cl. C01B 32/949 (2017.01) C22C 29/08 (2006.01)**
[25] EN
[54] **NOVEL TUNGSTEN CARBIDE POWDER AND PRODUCTION THEREOF**
[54] **NOUVELLE POUDRE DE CARBURE DE TUNGSTENE ET FABRICATION DE CELLE-CI**
[72] SAEUBERLICH, TINO, DE
[72] CASPERS, BERNHARD, DE
[72] TAPPE, TIZIAN, DE
[71] H.C. STARCK TUNGSTEN GMBH, DE
[85] 2019-02-04
[86] 2017-09-04 (PCT/EP2017/072114)
[87] (WO2018/050474)
[30] DE (10 2016 011 096.1) 2016-09-15

[21] **3,032,905**
[13] A1

[51] **Int.Cl. A61C 7/20 (2006.01) A61C 7/24 (2006.01) A61C 7/26 (2006.01)**
[25] EN
[54] **ORTHODONTIC APPLIANCE**
[54] **APPAREIL ORTHODONTIQUE**
[72] OLIVER, BRUCE MALCOM, CA
[71] ALLIANCE EVANGELIQUE REFORMEE - INSTITUT FAREL, FACULTE DE THEOLOGIE REFORMEE DE QUEBEC, CA
[85] 2019-02-04
[86] 2017-08-30 (PCT/CA2017/051018)
[87] (WO2018/039790)
[30] US (62/381,364) 2016-08-30

[21] **3,032,906**
[13] A1

[51] **Int.Cl. A23K 50/10 (2016.01) A23K 20/00 (2016.01) A23K 20/158 (2016.01) A23K 40/30 (2016.01)**
[25] EN
[54] **RUMEN BYPASS COMPOSITION OF BIOLOGICALLY ACTIVE INGREDIENTS**
[54] **COMPOSITION DE DERIVATION DU RUMEN D'INGREDIENTS BIOLOGIQUEMENT ACTIFS**
[72] PARACHUR, VIVEK ANAND, IN
[71] PARACHUR, VIVEK ANAND, IN
[85] 2019-02-04
[86] 2017-08-12 (PCT/IN2017/050343)
[87] (WO2018/033935)
[30] IN (201641027750) 2016-08-13

[21] **3,032,907**
[13] A1

[51] **Int.Cl. B01D 3/36 (2006.01) B01D 3/00 (2006.01) B01D 3/14 (2006.01) B01D 11/04 (2006.01) B01D 15/00 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PURIFICATION OF THE SOLVENT DERIVING FROM THE PRODUCTION OF ELASTOMERIC BLENDS**
[54] **PROCEDE DE PURIFICATION DU SOLVANT DERIVE DE LA PRODUCTION DE MELANGES ELASTOMERES**
[72] GATTI, GABRIELE, IT
[72] WANG, JIYE, CN
[72] CAVALLO, CLAUDIO, IT
[72] SONG, JIANJUN, CN
[71] VERSALIS S.P.A., IT
[71] EVE RUBBER INSTITUTE CO., LTD., CN
[85] 2019-02-04
[86] 2016-08-11 (PCT/IT2016/000195)
[87] (WO2018/029716)

PCT Applications Entering the National Phase

[21] **3,032,908**
[13] A1

[51] **Int.Cl. B61B 13/02 (2006.01) A01G 9/14 (2006.01)**
[25] EN
[54] **TRACK SYSTEM AND METHOD FOR PROVIDING A TRACK FOR AN INDUSTRIAL CART**
[54] **SYSTEME DE VOIE ET PROCEDE DE FOURNITURE D'UNE VOIE POUR UN CHARIOT INDUSTRIEL**
[72] STOTT, MARK GERALD, US
[72] MILLAR, GARY BRET, US
[72] TUELLER, TODD GARRETT, US
[72] HURST, MICHAEL STEPHEN, US
[72] BENTLEY, ALAN RAY, US
[72] WOODBURY, TAYLOR JOHN, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2019-02-01
[86] 2018-03-01 (PCT/US2018/020437)
[87] (WO2018/231291)
[30] US (62/519,313) 2017-06-14
[30] US (62/519,326) 2017-06-14
[30] US (62/519,304) 2017-06-14
[30] US (15/902,564) 2018-02-22

[21] **3,032,909**
[13] A1

[51] **Int.Cl. B65G 1/04 (2006.01)**
[25] FR
[54] **DEVICE FOR GRIPPING LOADS OF VARIABLE SIZES AND CORRESPONDING METHOD FOR ADAPTING GRIPPING WIDTH**
[54] **DISPOSITIF DE PREHENSION DE CHARGES DE TAILLES VARIABLES ET PROCEDE D'ADAPTATION DE LARGEUR DE PREHENSION CORRESPONDANT**
[72] MARIUSSE, ADRIEN, FR
[72] GODOT, ERWANN, FR
[71] SAVOYE, FR
[85] 2019-02-04
[86] 2017-09-20 (PCT/EP2017/073791)
[87] (WO2018/060031)
[30] FR (1659139) 2016-09-27

[21] **3,032,910**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **NON-COMBUSTIBLE SMOKING DEVICE AND ELEMENTS THEREOF**
[54] **DISPOSITIF POUR FUMER SANS COMBUSTIBLE ET ELEMENTS ASSOCIES**
[72] SAHIN, BUKET, US
[72] LI, SAN, US
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2019-02-04
[86] 2017-10-04 (PCT/EP2017/075254)
[87] (WO2018/065489)
[30] US (15/284,897) 2016-10-04

[21] **3,032,911**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/712 (2006.01) A61K 31/7125 (2006.01) A61K 48/00 (2006.01)**
[25] EN
[54] **NATURAL CRYPTIC EXON REMOVAL BY PAIRS OF ANTISENSE OLIGONUCLEOTIDES**
[54] **ELIMINATION DE L'EXON CRYPTIQUE NATUREL PAR DES PAIRES D'OLIGONUCLEOTIDES ANTISENS**
[72] PIJNAPPEL, WILHELMUS WENCESLAUS MATTHIAS, NL
[71] ERASMUS UNIVERSITY MEDICAL CENTER ROTTERDAM, NL
[85] 2019-02-04
[86] 2017-08-04 (PCT/NL2017/050527)
[87] (WO2018/026284)
[30] NL (2017294) 2016-08-05

[21] **3,032,912**
[13] A1

[51] **Int.Cl. A61K 47/10 (2017.01)**
[25] EN
[54] **HIGH-CONCENTRATION FULVESTRANT COMPOSITIONS**
[54] **COMPOSITIONS DE FULVESTRANT A HAUTE CONCENTRATION**
[72] SHAH, NAVNIT H., US
[72] PHUAPRADIT, WANTANEE, US
[72] RAILKAR, ARUNA, US
[72] JARIWALA, PARAS P., US
[71] KASHIV BIOSCIENCES, LLC, US
[85] 2019-02-01
[86] 2018-05-22 (PCT/US2018/033871)
[87] (WO2018/217735)
[30] US (62/603,285) 2017-05-23
[30] US (62/646,618) 2018-03-22

[21] **3,032,913**
[13] A1

[51] **Int.Cl. C22F 1/04 (2006.01) C22F 1/047 (2006.01)**
[25] EN
[54] **METHOD OF ROLLING ALUMINUM FOR FINE GRAIN APPLICATIONS**
[54] **PROCESSUS DE LAMINAGE D'ALUMINIUM POUR DES APPLICATIONS A GRAIN FIN**
[72] FERNANDEZ RIVERA, CATALINA, ES
[72] BRAVO ESPINOSA, DAVID, ES
[71] ACR II ALUMINIUM GROUP COOPERATIEF U.A., NA
[85] 2019-02-04
[86] 2017-07-28 (PCT/IB2017/054602)
[87] (WO2018/073658)
[30] ES (P201631077) 2016-08-05

[21] **3,032,914**
[13] A1

[51] **Int.Cl. C22C 38/06 (2006.01) B21D 22/20 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01)**
[25] EN
[54] **HOT PRESS-FORMED PART ELEMENT FORME PAR PRESSAGE A CHAUD**
[72] SAKAKIBARA, MUTSUMI, JP
[72] SUGIURA, NATSUKO, JP
[72] HAYASHI, KUNIO, JP
[72] KAWASAKI, KAORU, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2019-02-04
[86] 2016-08-16 (PCT/JP2016/073896)
[87] (WO2018/033960)

Demandes PCT entrant en phase nationale

[21] **3,032,915**
[13] A1

[51] **Int.Cl. C09D 11/32 (2014.01) C09D 11/36 (2014.01) B41J 2/01 (2006.01) B41M 5/00 (2006.01)**

[25] EN

[54] **PHOTOCURABLE CLEAR INK COMPOSITION FOR INKJET PRINTING**

[54] **COMPOSITION D'ENCRE CLAIR PHOTOCURCISSABLE POUR IMPRESSION A JET D'ENCRE**

[72] NAKASHIMA, OKINORI, JP
[72] MYOSE, TAKUYA, JP
[72] OKAMOTO, TAKUYA, JP
[72] FUKE, KAZUHIRO, JP
[72] NITTA, RYOICHI, JP
[71] SAKATA INX CORPORATION, JP
[85] 2019-02-04
[86] 2017-06-30 (PCT/JP2017/024233)
[87] (WO2018/030027)
[30] JP (2016-156931) 2016-08-09

[21] **3,032,916**
[13] A1

[51] **Int.Cl. A47J 36/16 (2006.01) B01F 7/00 (2006.01) B01F 7/20 (2006.01) B01F 15/00 (2006.01)**

[25] FR

[54] **COOKING APPLIANCE**

[54] **APPAREIL DE CUISSON**

[72] CHEN, XUHUI, CN
[72] YANG, MENGQIAO, CN
[72] LI, ZEYONG, CN
[72] DING, ZHIHUI, CN
[71] SEB S.A., FR
[85] 2019-02-04
[86] 2017-08-01 (PCT/FR2017/052164)
[87] (WO2018/029421)
[30] CN (201620867628.6) 2016-08-10

[21] **3,032,917**
[13] A1

[51] **Int.Cl. A61K 35/545 (2015.01) A61P 11/00 (2006.01)**

[25] EN

[54] **AMELIORATION AND TREATMENT OF CHRONIC LUNG DISEASE USING PLURIPOTENT STEM CELLS**

[54] **AMELIORATION ET TRAITEMENT DE MALADIES PULMONAIRES CHRONIQUES A L'AIDE DE CELLULES SOUCHES PLURIPOTENTES**

[72] SATO, YOSHIAKI, JP
[72] SUZUKI, TOSHIHIKO, JP
[72] SHIMIZU, SHINOBU, JP
[72] MIZUNO, MASAACKI, JP
[72] HAYAKAWA, MASAHIRO, JP
[72] DEZAWA, MARI, JP
[71] NATIONAL UNIVERSITY CORPORATION NAGOYA UNIVERSITY, JP
[71] LIFE SCIENCE INSTITUTE, INC., JP
[71] TOHOKU UNIVERSITY, JP
[85] 2019-02-04
[86] 2017-08-03 (PCT/JP2017/028323)
[87] (WO2018/025973)
[30] JP (2016-153263) 2016-08-03

[21] **3,032,918**
[13] A1

[51] **Int.Cl. A61N 1/36 (2006.01)**

[25] EN

[54] **ELECTRICAL DEVICE FOR PROVIDING PAIN RELIEF**

[54] **DISPOSITIF ELECTRIQUE POUR APPORTER UN SOULAGEMENT DE LA DOULEUR**

[72] NACHUM, ZVI, IL
[72] LAMPERT, SHALOM, IL
[71] IPULSE MEDICAL LTD., IL
[85] 2019-02-04
[86] 2017-08-15 (PCT/IB2017/054965)
[87] (WO2018/033855)
[30] GB (1613950.3) 2016-08-15
[30] CN (2016111966768) 2016-12-22

[21] **3,032,919**
[13] A1

[51] **Int.Cl. H04N 19/593 (2014.01)**

[25] EN

[54] **ENCODING PROCESSING METHOD AND DEVICE, DECODING PROCESSING METHOD AND DEVICE, ENCODER AND DECODER**

[54] **PROCEDE ET DISPOSITIF D'ENCODAGE, PROCEDE ET DISPOSITIF DE DECODAGE, ENCODEUR ET DECODEUR**

[72] LI, MING, CN
[72] WU, PING, CN
[72] SHANG, GUOQIANG, CN
[72] WU, ZHAO, CN
[71] ZTE CORPORATION, CN
[85] 2019-02-04
[86] 2016-07-08 (PCT/CN2016/089452)
[87] (WO2017/063404)
[30] CN (201510673353.2) 2015-10-16

[21] **3,032,920**
[13] A1

[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/074 (2010.01) C12Q 1/04 (2006.01) C12N 15/09 (2006.01)**

[25] EN

[54] **METHOD FOR INDUCING DIFFERENTIATION OF PLURIPOTENT STEM CELLS IN VITRO**

[54] **PROCEDE PERMETTANT D'INDUIRE LA DIFFERENTIATION DE CELLULES SOUCHES PLURIPOTENTES IN VITRO**

[72] DEZAWA, MARI, JP
[71] LIFE SCIENCE INSTITUTE, INC., JP
[85] 2019-02-04
[86] 2017-08-03 (PCT/JP2017/028327)
[87] (WO2018/025975)
[30] JP (2016-153259) 2016-08-03

PCT Applications Entering the National Phase

[21] **3,032,921**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61K 31/525 (2006.01) A61P 35/04 (2006.01) C07D 487/04 (2006.01)**

[25] EN

[54] **HETEROCYCLIC COMPOUNDS AS FGFR INHIBITORS**

[54] **COMPOSE HETEROCYCLIQUE UTILISE EN TANT QU'INHIBITEUR DE FGFR**

[72] KONG, NORMAN XIANGLONG, CN

[72] ZHOU, CHAO, CN

[72] CHEN, XIANGYANG, CN

[71] GUANGZHOU INNOCARE PHARMA TECH CO., LTD., CN

[85] 2019-02-04

[86] 2017-07-27 (PCT/CN2017/094620)

[87] (WO2018/028438)

[30] CN (201610647295.0) 2016-08-09

[21] **3,032,922**
[13] A1

[51] **Int.Cl. C10J 3/46 (2006.01)**

[25] EN

[54] **CATALYSTS, RELATED METHODS AND REACTION PRODUCTS**

[54] **CATALYSEURS, PROCEDES ET PRODUITS REACTIONNELS ASSOCIES**

[72] SCHUETZLE, ROBERT, US

[72] SCHUETZLE, DENNIS, US

[71] GREYROCK TECHNOLOGY, LLC, US

[85] 2019-02-04

[86] 2017-07-26 (PCT/US2017/000042)

[87] (WO2018/026388)

[30] US (15/330,100) 2016-08-05

[21] **3,032,923**
[13] A1

[51] **Int.Cl. B01D 46/00 (2006.01) B01D 46/52 (2006.01)**

[25] EN

[54] **AIR FILTER WITH PASSIVATED FILTER LIFE INDICATOR**

[54] **FILTRE A AIR AVEC INDICATEUR DE DUREE DE VIE DE FILTRE PASSIVE**

[72] CHENG, LIANG, CN

[72] FOX, ANDREW R., US

[71] 3M INNOVATIVE PROPERTIES COMPANY, US

[85] 2019-02-04

[86] 2016-08-05 (PCT/CN2016/093657)

[87] (WO2018/023748)

[21] **3,032,924**
[13] A1

[51] **Int.Cl. B32B 7/02 (2019.01) C08J 7/04 (2006.01)**

[25] EN

[54] **COATING FOR GLASS AND FORMING METHOD THEREOF, AND AUTOMOTIVE WINDOW**

[54] **REVETEMENT POUR VERRE ET SON PROCEDE DE FORMATION, ET FENETRE D'AUTOMOBILE**

[72] HE, TAO, CN

[72] GU, YUNXIN, CN

[72] SHI, CE, CN

[71] SAINT-GOBAIN GLASS FRANCE, FR

[85] 2019-02-04

[86] 2017-07-17 (PCT/CN2017/093107)

[87] (WO2018/024090)

[30] CN (201610638326.6) 2016-08-05

[21] **3,032,925**
[13] A1

[51] **Int.Cl. A61K 35/545 (2015.01) A61P 9/00 (2006.01) A61P 11/00 (2006.01)**

[25] EN

[54] **ALLEVIATION AND TREATMENT OF ISCHEMIA REPERFUSION-INDUCED LUNG INJURY USING PLURIPOTENT STEM CELLS**

[54] **SOULAGEMENT ET TRAITEMENT D'UNE LESION PULMONAIRE PROVOQUEE PAR UNE REPERFUSION ISCHEMIQUE A L'AIDE DE CELLULES SOUCHES PLURIPOTENTES**

[72] YABUKI, HIROSHI, JP

[72] OKADA, YOSHINORI, JP

[72] DEZAWA, MARI, JP

[71] LIFE SCIENCE INSTITUTE, INC., JP

[85] 2019-02-04

[86] 2017-08-03 (PCT/JP2017/028328)

[87] (WO2018/025976)

[30] JP (2016-153264) 2016-08-03

[21] **3,032,926**
[13] A1

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

[25] EN

[54] **NOVEL GLUCOSE OXIDASE COMPOSITIONS**

[54] **NOUVELLES COMPOSITIONS DE GLUCOSE OXYDASE**

[72] KASARLE, DIVYA SHARAD, IN

[72] KASARLE, SHARAD KRISHNAJI, IN

[71] VEGANUTRITTECH LLP, IN

[85] 2019-02-04

[86] 2017-08-08 (PCT/IN2017/050332)

[87] (WO2018/029705)

[30] IN (201621027241) 2016-08-09

[30] IN (PCT/IN2017/000084) 2017-04-17

[21] **3,032,927**
[13] A1

[51] **Int.Cl. E21B 43/08 (2006.01)**

[25] EN

[54] **SAND CONTROL SCREEN FOR HEAVY OIL THERMAL RECOVERY**

[54] **CREPINE DE CONTROLE DU SABLE POUR RECUPERATION THERMIQUE DE PETROLE LOURD**

[72] YI, HUIAN, CN

[72] LI, BOREN, CN

[72] WANG, ZHENXIANG, CN

[72] ZHUANG, QIANSHENG, CN

[72] CHEN, SHANYIN, CN

[72] LIU, MIAOREN, CN

[72] HUANG, XIPENG, CN

[72] LI, WENFEI, CN

[72] YI, QIZUN, CN

[72] TAO, ZHENG, CN

[71] STARSE ENERGY AND TECHNOLOGY (GROUP) CO., LTD, CN

[85] 2019-02-04

[86] 2016-09-13 (PCT/CN2016/098848)

[87] (WO2018/049560)

Demandes PCT entrant en phase nationale

[21] 3,032,928 [13] A1	[21] 3,032,930 [13] A1	[21] 3,032,933 [13] A1
[51] Int.Cl. A23K 50/10 (2016.01) A23K 20/142 (2016.01) A23K 20/174 (2016.01) A23K 40/30 (2016.01)	[51] Int.Cl. C09D 175/04 (2006.01) C08G 18/22 (2006.01) C08G 18/40 (2006.01) C08G 18/79 (2006.01)	[51] Int.Cl. B05B 7/04 (2006.01) B05B 7/00 (2006.01) B05B 7/02 (2006.01) F16L 21/08 (2006.01) F16L 27/00 (2006.01) F16L 27/08 (2006.01)
[25] EN	[25] EN	[25] EN
[54] PRODUCTION METHOD FOR RUMEN-BYPASSING PREPARATION, AND GRANULES OBTAINED BY MEANS OF PRODUCTION METHOD FOR RUMEN-BYPASSING PREPARATION	[54] CURABLE FILM-FORMING COMPOSITIONS DEMONSTRATING INCREASED WET-EDGE TIME	[54] SPRAY GUN
[54] PROCEDE DE FABRICATION POUR PREPARATION DE CONTOURNEMENT DU RUMEN ET GRANULES OBTENUS PAR LE PROCEDE DE FABRICATION POUR LA PREPARATION DE CONTOURNEMENT DU RUMEN	[54] COMPOSITIONS FILMOGENES DURCISSABLES PRESENTANT UN TEMPS OUVERT ACCRU	[54] PISTOLET DE PULVERISATION
[72] OKUTANI, ASUKA, JP	[72] TANG, GUANGLIANG, US	[72] CVETEZAR, BRIAN, US
[72] TOSANO, NORIYUKI, JP	[72] KHUDIAKOV, MIKHAIL, US	[72] CVETEZAR, ERNIE, US
[72] YOSHIKAWA, FUMIAKI, JP	[71] PRC-DESOTO INTERNATIONAL, INC., US	[72] CVETEZAR, JEFF, US
[72] NANIWA, HIDEKI, JP	[85] 2019-02-04	[71] CVETEZAR, BRIAN, US
[71] BIO SCIENCE CO., LTD., JP	[86] 2017-03-17 (PCT/US2017/023049)	[71] CVETEZAR, ERNIE, US
[85] 2019-02-04	[87] (WO2018/044351)	[71] CVETEZAR, JEFF, US
[86] 2017-08-10 (PCT/JP2017/029178)	[30] US (15/251,216) 2016-08-30	[85] 2019-02-04
[87] (WO2018/030528)		[86] 2017-08-03 (PCT/US2017/045323)
[30] JP (2016-157719) 2016-08-10		[87] (WO2018/027047)
		[30] US (15/228,979) 2016-08-04
		[30] US (15/228,995) 2016-08-04
		[30] US (15/229,000) 2016-08-04
	[21] 3,032,931 [13] A1	[21] 3,032,934 [13] A1
	[51] Int.Cl. E06B 3/677 (2006.01) E06B 3/67 (2006.01) E06B 5/20 (2006.01)	[51] Int.Cl. A23L 21/12 (2016.01) A23L 29/30 (2016.01)
	[25] EN	[25] EN
	[54] DOUBLE GLAZING INSULATION SYSTEM	[54] FRUIT JAM COMPRISING ALLULOSE AND METHOD FOR MANUFACTURING SAME
	[54] SYSTEME D'ISOLATION A DOUBLE VITRAGE	[54] CONFITURE DE FRUIT COMPRENANT DE L'ALLULOSE ET SON PROCEDE DE FABRICATION
	[72] SHIN, JAE SEUNG, KR	[72] CHOI, JONG MIN, KR
	[71] SHIN, JAE SEUNG, KR	[72] KIM, SU-JEONG, KR
	[85] 2019-02-04	[72] PARK, SEUNG WON, KR
	[86] 2017-07-03 (PCT/KR2017/007019)	[72] BAK, YOUN-KYUNG, KR
	[87] (WO2018/030638)	[72] PARK, JUNG GYU, KR
	[30] KR (10-2016-0102707) 2016-08-12	[72] BYUN, SUNG BAE, KR
		[72] SHIM, DONG SEOK, KR
	[21] 3,032,932 [13] A1	[72] LEE, IN, KR
	[51] Int.Cl. A61M 35/00 (2006.01) A61F 13/40 (2006.01)	[72] JUNG, DONG CHUL, KR
	[25] EN	[71] CJ CHEILJEDANG CORPORATION, KR
	[54] ANTISEPTIC DELIVERY DEVICE AND METHOD OF USE	[85] 2019-02-04
	[54] DISPOSITIF D'ADMINISTRATION D'ANTISEPTIQUE ET SON PROCEDE D'UTILISATION	[86] 2017-08-07 (PCT/KR2017/008489)
	[72] FOLLMAN, MARK, US	[87] (WO2018/043935)
	[72] BACHMAN, ALAN, US	[30] KR (10-2016-0112501) 2016-09-01
	[72] TANAYAN, JOHN, US	
	[72] BASTOS, MARGARITA, US	
	[71] PROFESSIONAL DISPOSABLES INTERNATIONAL, INC., US	
	[85] 2019-02-04	
	[86] 2017-07-27 (PCT/US2017/044146)	
	[87] (WO2018/031240)	
	[30] US (62/374,126) 2016-08-12	
	[30] US (62/431,012) 2016-12-07	
[21] 3,032,929 [13] A1		
[51] Int.Cl. C10L 5/40 (2006.01) B09B 3/00 (2006.01) C10B 53/07 (2006.01)		
[25] EN		
[54] CARBONIZED FUEL MANUFACTURING APPARATUS AND CARBONIZED FUEL MANUFACTURING METHOD		
[54] APPAREIL DE PRODUCTION DE COMBUSTIBLE CARBONISE ET PROCEDE DE PRODUCTION DE COMBUSTIBLE CARBONISE		
[72] JAMES, KOWALCZYK, US		
[72] FRED L., JONES, US		
[72] MATSUSHITA, TAKAMICHI, JP		
[71] ECO RESEARCH INSTITUTE LTD., JP		
[71] ECO BIO PLASTICS MIDLAND INC., US		
[85] 2019-02-04		
[86] 2017-09-29 (PCT/JP2017/035445)		
[87] (WO2018/074189)		
[30] JP (2016-203769) 2016-10-17		

PCT Applications Entering the National Phase

[21] **3,032,935**
[13] A1

[51] **Int.Cl. B67B 3/18 (2006.01) B67B 3/10 (2006.01) B67B 3/16 (2006.01)**

[25] EN

[54] **APPARATUS AND METHODS OF CAPPING METALLIC BOTTLES**

[54] **APPAREIL ET PROCEDES DE CAPSULAGE DE BOUTEILLES METALLIQUES**

[72] ROSS, JOHN R., US

[72] BONFOEY, DAVID J., US

[71] BALL CORPORATION, US

[85] 2019-02-04

[86] 2017-08-09 (PCT/US2017/046026)

[87] (WO2018/031617)

[30] US (15/236,174) 2016-08-12

[21] **3,032,936**
[13] A1

[51] **Int.Cl. A61B 5/16 (2006.01) G06F 17/00 (2019.01) G06K 9/00 (2006.01) G06N 5/02 (2006.01) G06Q 10/00 (2012.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR RECOMMENDING A CONTENT SERVICE TO A CONTENT CONSUMER**

[54] **SYSTEME ET PROCEDE DE RECOMMANDATION D'UN SERVICE DE CONTENUS A UN CONSOMMATEUR DE CONTENUS**

[72] JULIANO, VIRGINIA, US

[71] V. JULIANO COMMUNICATIONS, LLC, US

[85] 2019-02-04

[86] 2017-08-03 (PCT/US2017/045335)

[87] (WO2018/027052)

[30] US (15/229,954) 2016-08-05

[21] **3,032,938**
[13] A1

[51] **Int.Cl. C01F 7/20 (2006.01) C01F 7/30 (2006.01)**

[25] EN

[54] **THE SMELTER-GRADE ALUMINA PRODUCTION METHOD (EMBODIMENTS)**

[54] **PROCEDE DE PRODUCTION D'ALUMINE METALLURGIQUE (VARIANTES)**

[72] SENYUTA, ALEKSANDR SERGEEVICH, RU

[72] PANOV, ANDREY VLADIMIROVICH, RU

[72] MIL'SHIN, OLEG NIKOLAEVICH, RU

[72] SLOBODYANYUK, EDUARD ANDREEVICH, RU

[72] SMIRNOV, ANDREY ANDREEVICH, RU

[71] OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR", RU

[85] 2019-02-04

[86] 2017-09-20 (PCT/RU2017/000678)

[87] (WO2018/063029)

[30] RU (2016138762) 2016-09-30

[21] **3,032,939**
[13] A1

[51] **Int.Cl. B64C 39/02 (2006.01) G05B 15/02 (2006.01)**

[25] EN

[54] **LAW ENFORCEMENT DRONE**

[54] **DRONE UTILISE PAR DES ORGANISMES D'APPLICATION DE LA LOI**

[72] WILKINSON, CHRISTOPHER, US

[71] WILKINSON, CHRISTOPHER, US

[85] 2019-02-04

[86] 2017-08-07 (PCT/US2017/045739)

[87] (WO2018/027220)

[30] US (62/371,412) 2016-08-05

[21] **3,032,940**
[13] A1

[51] **Int.Cl. E21B 47/103 (2012.01)**

[25] EN

[54] **A METHOD FOR INJECTIVITY PROFILING OF INJECTION WELLS**

[54] **PROCEDE D'ESSAI D'INJECTIVITE DE Puits DE PRODUCTION**

[72] ASLANIAN, ARTUR MIKHAILOVICH, RU

[72] DAVYDOV, DMITRY ALEKSANDROVICH, RU

[72] SALAMATIN, ANDREY NIKOLAEVICH, RU

[71] LIMITED LIABILITY COMPANY "TERMOSIM", RU

[85] 2019-02-04

[86] 2017-09-12 (PCT/RU2017/050087)

[87] (WO2018/164604)

[30] EA (201700129) 2017-03-10

[21] **3,032,941**
[13] A1

[51] **Int.Cl. B25J 15/06 (2006.01) A47G 19/02 (2006.01) A47G 19/08 (2006.01) A47G 19/10 (2006.01) B25J 11/00 (2006.01) B25J 15/00 (2006.01)**

[25] EN

[54] **DISH MANIPULATION SYSTEMS AND METHODS**

[54] **SYSTEMES ET PROCEDES DE MANIPULATION DE VAISSELLE**

[72] BIRKMEYER, PAUL M., US

[72] POULIOT, LINDA H., US

[72] PETERS, KENNETH M., US

[71] DISHCRAFT ROBOTICS, INC., US

[85] 2019-02-04

[86] 2017-08-07 (PCT/US2017/045787)

[87] (WO2018/031489)

[30] US (62/372,177) 2016-08-08

[30] US (15/665,260) 2017-07-31

Demandes PCT entrant en phase nationale

[21] **3,032,942**
[13] A1

[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **NETWORK-BASED AUTOMATED PREDICTION MODELING**
[54] **MODELISATION PREDICTIVE AUTOMATISEE BASEE SUR UN RESEAU**
[72] GRIGG, ALASTAIR, NZ
[72] KEMKA, MARTIN, AU
[71] XERO LIMITED, US
[85] 2019-02-04
[86] 2017-08-03 (PCT/US2017/045351)
[87] (WO2018/027064)
[30] US (62/371,168) 2016-08-04
[30] US (62/371,161) 2016-08-04
[30] US (15/667,278) 2017-08-02

[21] **3,032,944**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01) G01N 33/48 (2006.01) G01N 33/50 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **BIOMARKERS FOR PREDICTING PRETERM BIRTH IN A PREGNANT FEMALE EXPOSED TO PROGESTOGENS**
[54] **BIOMARQUEURS POUR PREVOIR UN ACCOUCHEMENT PREMATURE CHEZ UNE FEMELLE GRAVIDE EXPOSEE A DES PROGESTOGENES**
[72] BONIFACE, JOHN JAY, US
[72] BURCHARD, JULIA, US
[72] CRITCHFIELD, GREG CHARLES, US
[72] FLEISCHER, TRACEY CRISTINE, US
[72] HICKOK, DURLIN EDWARD, US
[72] RANDOLPH, TODD LENWELL, US
[72] SHAHBABA, BABAK, US
[71] SERA PROGNOSTICS, INC., US
[85] 2019-02-04
[86] 2017-08-04 (PCT/US2017/045558)
[87] (WO2018/027160)
[30] US (62/371,677) 2016-08-05
[30] US (62/451,426) 2017-01-27
[30] US (62/467,041) 2017-03-03

[21] **3,032,945**
[13] A1

[51] **Int.Cl. C07H 21/02 (2006.01) A61K 48/00 (2006.01)**
[25] EN
[54] **RNAI AGENTS FOR HEPATITIS B VIRUS INFECTION**
[54] **AGENT ARNI CONTRE L'INFECTION PAR LE VIRUS DE L'HEPATITE B**
[72] LI, ZHEN, US
[72] ZHU, RUI, US
[72] WOODDELL, CHRISTINE I., US
[72] GIVEN, BRUCE D., US
[72] PEI, TAO, US
[72] LEWIS, DAVID L., US
[72] ALMEIDA, LAUREN J., US
[72] ROZEMA, DAVID B., US
[72] WAKEFIELD, DARREN H., US
[71] ARROWHEAD PHARMACEUTICALS, INC., US
[85] 2019-02-04
[86] 2017-08-04 (PCT/US2017/045446)
[87] (WO2018/027106)
[30] US (62/370,754) 2016-08-04
[30] US (62/534,733) 2017-07-20
[30] US (62/540,639) 2017-08-03

[21] **3,032,946**
[13] A1

[51] **Int.Cl. G06F 11/07 (2006.01) G06F 11/30 (2006.01)**
[25] EN
[54] **COMPUTER ARCHITECTURE AND METHOD FOR RECOMMENDING ASSET REPAIRS**
[54] **ARCHITECTURE D'ORDINATEUR ET PROCEDE POUR RECOMMANDER DES REPARATIONS DE BIENS MATERIELS**
[72] MCELHINNEY, ADAM, US
[72] SILVA, BRIAN, US
[72] LIM, JUNG HA, US
[71] UPTAKE TECHNOLOGIES, INC., US
[85] 2019-02-04
[86] 2017-08-07 (PCT/US2017/045776)
[87] (WO2018/031481)
[30] US (15/231,587) 2016-08-08

[21] **3,032,947**
[13] A1

[51] **Int.Cl. A61K 47/69 (2017.01) A61K 9/14 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **MODIFIED ANTIBODY-ALBUMIN NANOPARTICLE COMPLEXES FOR CANCER TREATMENT**
[54] **COMPLEXES DE NANOPARTICULES D'ANTICORPS-ALBUMINE MODIFIEES POUR LE TRAITEMENT DU CANCER.**
[72] MARKOVIC, SVETOMIR N., US
[72] NEVALA, WENDY K., US
[72] BUTTERFIELD, JOHN THOMAS, US
[72] KNAUER, DANIEL JOSEPH, US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
[85] 2019-02-04
[86] 2017-08-04 (PCT/US2017/045643)
[87] (WO2018/027205)
[30] US (62/371,668) 2016-08-05
[30] US (62/409,830) 2016-10-18

[21] **3,032,948**
[13] A1

[51] **Int.Cl. E21B 7/06 (2006.01) E21B 29/06 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **CASING EXIT JOINT WITH GUIDING PROFILES AND METHODS FOR USE**
[54] **JOINT DE SORTIE DE TUBAGE POURVU DE PROFILES DE GUIDAGE ET PROCEDES D'UTILISATION**
[72] VAN DER VEEN, STEFFEN HELGESEN, NO
[72] DAHL, ESPEN, NO
[72] FALNES, MORTEN, NO
[72] TELFER, STUART ALEXANDER, GB
[72] HEPBURN, NEIL, GB
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-02-04
[86] 2016-09-16 (PCT/US2016/052239)
[87] (WO2018/052442)

PCT Applications Entering the National Phase

[21] **3,032,949**
[13] A1

[51] **Int.Cl. A61K 47/68 (2017.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01)**

[25] EN

[54] **TREATMENT OF CANCER USING A COMBINATION OF IMMUNOMODULATION AND CHECK POINT INHIBITORS**

[54] **TRAITEMENT DU CANCER A L'AIDE D'UNE COMBINAISON D'INHIBITEURS D'IMMUNOMODULATION ET DE POINT DE CONTROLE**

[72] NEVILLE, DAVID M., US
[71] ANGIMMUNE, LLC, US
[85] 2019-02-04
[86] 2017-08-08 (PCT/US2017/045823)
[87] (WO2018/031507)
[30] US (62/372,444) 2016-08-09

[21] **3,032,950**
[13] A1

[51] **Int.Cl. F02M 35/10 (2006.01) F02M 29/00 (2006.01) F02M 29/04 (2006.01)**

[25] EN

[54] **INTERNAL COMBUSTION ENGINE INTAKE POWER BOOSTER SYSTEM**

[54] **SYSTEME AMPLIFICATEUR DE PUISSANCE D'ADMISSION DE MOTEUR A COMBUSTION INTERNE**

[72] EVULET, ANDREI, US
[72] HAWKINS, JOHN, US
[71] JETOPTERA, INC., US
[85] 2019-02-04
[86] 2017-07-19 (PCT/US2017/042919)
[87] (WO2018/026523)
[30] US (62/371,612) 2016-08-05

[21] **3,032,951**
[13] A1

[51] **Int.Cl. A62B 18/00 (2006.01) A62B 17/00 (2006.01) A62B 7/10 (2006.01) F24F 11/00 (2018.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR PROVIDING AIR FLOW**

[54] **PROCEDE ET APPAREIL POUR FOURNIR UN FLUX D'AIR**

[72] PATEL, NISHANK R., US
[72] SOMMERS, ERIC, US
[72] SCHNEIDER, JOSEPH C., US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2019-02-04
[86] 2017-07-24 (PCT/US2017/043512)
[87] (WO2018/026558)
[30] US (15/229,396) 2016-08-05

[21] **3,032,952**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**

[25] EN

[54] **ANTI-OX40 BINDING PROTEINS**

[54] **PROTEINES DE LIAISON ANTI-OX40**

[72] BRESSON, DAMIEN, US
[71] SORRENTO THERAPEUTICS, INC., US
[71] BRESSON, DAMIEN, US
[85] 2019-02-04
[86] 2017-08-07 (PCT/US2017/045788)
[87] (WO2018/031490)
[30] US (62/371,993) 2016-08-08

[21] **3,032,953**
[13] A1

[51] **Int.Cl. B23K 37/06 (2006.01) B23K 26/21 (2014.01) B23K 26/242 (2014.01) B23K 26/70 (2014.01) B23K 9/02 (2006.01) B23K 9/04 (2006.01) B23K 9/167 (2006.01) B23K 9/173 (2006.01) B23K 9/32 (2006.01) B23K 26/14 (2014.01) B23K 31/00 (2006.01) H05B 6/10 (2006.01) H05B 6/42 (2006.01)**

[25] EN

[54] **INDUCTION WELD BEAD SHAPING**

[54] **MISE EN FORME DE CORDON DE SOUDURE PAR INDUCTION**

[72] SIGL, DENNIS, US
[72] WAGNER, DUSTIN, US
[72] HSU, CHRISTOPHER, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2019-02-04
[86] 2017-07-28 (PCT/US2017/044341)
[87] (WO2018/034823)
[30] US (15/239,381) 2016-08-17

[21] **3,032,954**
[13] A1

[51] **Int.Cl. C08F 6/06 (2006.01) C08F 6/10 (2006.01) C08F 6/12 (2006.01) C08L 25/08 (2006.01) C08L 25/10 (2006.01)**

[25] EN

[54] **REDUCING RESIDUAL MONOMER CONTENT IN COPOLYMERS OF STYRENE AND VINYLPIRIDINE**

[54] **REDUCTION DE LA TENEUR EN MONOMERES RESIDUELS DANS DES COPOLYMERES DE STYRENE ET DE VINYLPIRIDINE**

[72] WANG, XIAOJUN, US
[72] ARHANCET, GRACIELA B., US
[72] EMBSE, RICHARD VONDER, US
[72] HUME, JOHN, US
[71] NOVUS INTERNATIONAL INC., US
[85] 2019-02-04
[86] 2017-08-29 (PCT/US2017/048984)
[87] (WO2018/044821)
[30] US (62/381,425) 2016-08-30
[30] US (62/443,544) 2017-01-06

Demandes PCT entrant en phase nationale

[21] **3,032,956**
[13] A1

[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **REAL-TIME TRADE RESOURCE MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE RESSOURCES COMMERCIALES EN TEMPS REEL**

[72] THOMAS, PATRICK, US
[72] CHOLKAMY, HUSSEIN, US
[72] MEADOWS, JAMES, US
[72] COOK, DANIEL, US
[71] PRESCIENT SYSTEMS, INC., US
[85] 2019-02-04
[86] 2017-08-02 (PCT/US2017/045181)
[87] (WO2018/026968)
[30] US (62/370,214) 2016-08-02

[21] **3,032,957**
[13] A1

[51] **Int.Cl. B23K 9/10 (2006.01) B23K 9/073 (2006.01) B23K 9/095 (2006.01)**
[25] EN
[54] **WELDING-TYPE POWER SUPPLIES WITH ADJUSTABLE AC CURRENT COMMUTATION THRESHOLDS**
[54] **ALIMENTATIONS EN PUISSANCE DE TYPE SOUDAGE A SEUILS REGLABLES DE COMMUTATION DE COURANT ALTERNATIF**

[72] KADLEC, MARK S., US
[72] HENRY, ANDREW JOSEPH, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2019-02-04
[86] 2017-08-08 (PCT/US2017/045920)
[87] (WO2018/034890)
[30] US (62/375,830) 2016-08-16
[30] US (15/670,168) 2017-08-07

[21] **3,032,958**
[13] A1

[51] **Int.Cl. G01R 33/48 (2006.01) G01R 33/28 (2006.01) G06F 1/16 (2006.01)**
[25] EN
[54] **ELECTRONIC TABLET FOR USE IN FUNCTIONAL MRI**
[54] **TABLETTE ELECTRONIQUE POUR UTILISATION EN IRM FONCTIONNELLE**

[72] STURGEON, JEFFREY, US
[72] SHROYER, ALEXANDER, US
[72] VINCI-BOOHER, SOPHIA ANGELA, US
[72] JAMES, KARIN, US
[71] INDIANA UNIVERSITY RESEARCH AND TECHNOLOGY CORPORATION, US
[85] 2019-02-04
[86] 2017-08-03 (PCT/US2017/045237)
[87] (WO2018/026998)
[30] US (62/370,372) 2016-08-03

[21] **3,032,959**
[13] A1

[51] **Int.Cl. H01L 29/78 (2006.01) H01L 29/66 (2006.01)**
[25] EN
[54] **FINFET WITH REDUCED SERIES TOTAL RESISTANCE**
[54] **FINFET A RESISTANCE TOTALE EN SERIE REDUITE**

[72] ROH, UKJIN, US
[72] EKBOTE, SHASHANK, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-02-04
[86] 2017-08-08 (PCT/US2017/045972)
[87] (WO2018/052578)
[30] US (15/264,519) 2016-09-13

[21] **3,032,960**
[13] A1

[51] **Int.Cl. B01D 61/00 (2006.01) C02F 1/44 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMPROVING PERFORMANCE OF FORWARD OSMOSIS SYSTEMS**
[54] **SYSTEMES ET PROCEDES DESTINES A L'AMELIORATION DES PERFORMANCES DE SYSTEMES OSMOTIQUE DIRECTE**

[72] DROVER, CHRISTOPHER, US
[72] STASCHKE, LEAH, US
[72] MAXWELL, ERIC, US
[72] MCFADYEN, SETH, US
[71] OASYS WATER LLC, US
[85] 2019-02-04
[86] 2017-08-03 (PCT/US2017/045272)
[87] (WO2018/027019)
[30] US (62/371,122) 2016-08-04

[21] **3,032,962**
[13] A1

[51] **Int.Cl. A61B 8/00 (2006.01) A61B 8/14 (2006.01) G01N 29/36 (2006.01) G01S 7/52 (2006.01) G01S 15/89 (2006.01) G06K 9/00 (2006.01) G10K 11/34 (2006.01)**
[25] EN
[54] **ANALOG-TO-DIGITAL DRIVE CIRCUITRY HAVING BUILT-IN TIME GAIN COMPENSATION FUNCTIONALITY FOR ULTRASOUND APPLICATIONS**
[54] **CIRCUIT D'ATTAQUE ANALOGIQUE-NUMERIQUE POSSEDANT UNE FONCTIONNALITE DE COMPENSATION DE GAIN DE TEMPS INTEGREE SERVANT A DES APPLICATIONS ULTRASONORES**

[72] CHEN, KAILIANG, US
[72] FIFE, KEITH G., US
[71] BUTTERFLY NETWORK, INC., US
[85] 2019-02-04
[86] 2017-08-29 (PCT/US2017/049024)
[87] (WO2018/052701)
[30] US (15/263,939) 2016-09-13

PCT Applications Entering the National Phase

[21] **3,032,963**
[13] A1

[51] **Int.Cl. C07D 303/36 (2006.01) C01G 45/00 (2006.01)**
[25] EN
[54] **SYNTHESIS OF (S)-2-AMINO-4-METHYL-1-((R)-2-METHYLOXIRANE-2-YL)-PENTAN-1-ONE AND PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF**
[54] **SYNTHESE DE (S)-2-AMINO-4-METHYL-1-((R)-2-METHYLOXIRANE-2-YL)-PENTAN-1-ONE ET DE SES SELS PHARMACEUTIQUEMENT ACCEPTABLES**
[72] BEAVER, MATT, US
[72] CUI, SHENG, US
[72] SHI, XIANQING, US
[71] AMGEN INC., US
[85] 2019-02-04
[86] 2017-08-03 (PCT/US2017/045274)
[87] (WO2018/027021)
[30] US (62/371,686) 2016-08-05
[30] US (62/536,862) 2017-07-25

[21] **3,032,964**
[13] A1

[51] **Int.Cl. B41M 1/20 (2006.01) G03G 15/00 (2006.01) G03G 15/01 (2006.01) G03G 15/16 (2006.01) G03G 15/22 (2006.01) G03G 21/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS OF DECORATING A METALLIC CONTAINER BY DIGITAL PRINTING TO A TRANSFER BLANKET**
[54] **PROCEDE ET APPAREIL DE DECORATION D'UN RECIPIENT METALLIQUE PAR IMPRESSION NUMERIQUE SUR UN BLANCHET DE TRANSFERT**
[72] STOWITTS, ADAM P.S., US
[71] BALL CORPORATION, US
[85] 2019-02-04
[86] 2017-08-10 (PCT/US2017/046358)
[87] (WO2018/031814)
[30] US (62/373,134) 2016-08-10

[21] **3,032,965**
[13] A1

[51] **Int.Cl. H01L 29/78 (2006.01) H01L 29/66 (2006.01)**
[25] EN
[54] **FIN FIELD EFFECT TRANSISTORS (FETS) (FINFETS) EMPLOYING DIELECTRIC MATERIAL LAYERS TO APPLY STRESS TO CHANNEL REGIONS**
[54] **TRANSISTORS A EFFET DE CHAMP (FET) A AILETTES (FINFET) UTILISANT DES COUCHES DE MATERIAU DIELECTRIQUE AFIN D'APPLIQUER UNE CONTRAINTE A DES REGIONS DE CANAL**
[72] ROH, UKJIN, US
[72] CHOI, YOUN SUNG, US
[72] EKBOTE, SHASHANK, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-02-04
[86] 2017-08-11 (PCT/US2017/046525)
[87] (WO2018/052591)
[30] US (15/266,840) 2016-09-15

[21] **3,032,966**
[13] A1

[51] **Int.Cl. A22B 5/00 (2006.01)**
[25] EN
[54] **HIGH SPEED RINSING SOLUTION APPLICATION**
[54] **APPLICATION DE SOLUTION DE RINCAGE A HAUTE VITESSE**
[72] LEINER, ANDREW MICHAEL, AU
[72] TOOLEY, EARNEST DEWAYNE, US
[72] ARCHE, ULISES PARDO, MX
[71] MPSC AUSTRALIA, PTY., LTD, AU
[85] 2019-02-04
[86] 2017-08-03 (PCT/US2017/045311)
[87] (WO2018/027040)
[30] US (62/370,460) 2016-08-03
[30] US (15/668,103) 2017-08-03

[21] **3,032,967**
[13] A1

[51] **Int.Cl. B23K 9/095 (2006.01) B23K 9/10 (2006.01) B23K 9/16 (2006.01) B23K 9/32 (2006.01)**
[25] EN
[54] **SYSTEM FOR AND METHOD OF CONTROLLING SHIELDING GAS FLOW IN A WELDING DEVICE BASED ON THE SIZE OF THE NOZZLE**
[54] **SYSTEME ET PROCEDE DE REGULATION DU DEBIT DE GAZ PROTECTEUR DANS UN DISPOSITIF DE SOUDAGE SUR LA BASE DE LA TAILLE DE LA BUSE**
[72] HOEGER, MICHAEL, US
[72] ERNDT, ZACHARY, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2019-02-04
[86] 2017-08-14 (PCT/US2017/046700)
[87] (WO2018/035010)
[30] US (15/236,699) 2016-08-15

[21] **3,032,968**
[13] A1

[51] **Int.Cl. B65G 1/00 (2006.01)**
[25] EN
[54] **AUTOMATED STORAGE AND RETRIEVAL SYSTEM WITH DETECTOR FOR DETECTING ITEMS EXTENDING BEYOND DIMENSIONAL THRESHOLD**
[54] **SYSTEME DE STOCKAGE ET DE RECUPERATION AUTOMATISE AVEC DETECTEUR POUR DETECTER DES ARTICLES QUI S'ETENDENT AU-DELA D'UN SEUIL DIMENSIONNEL**
[72] LYNCH, CHRISTOPHER, US
[72] STEVENS, ALEXANDER, US
[72] DEWITT, ROBERT R., US
[72] HEINS, WILLIAM L., US
[71] OPEX CORPORATION, US
[85] 2019-02-04
[86] 2017-08-03 (PCT/US2017/045320)
[87] (WO2018/027045)
[30] US (62/370,912) 2016-08-04

Demandes PCT entrant en phase nationale

[21] **3,032,969**
[13] A1

[51] **Int.Cl. H04B 7/185 (2006.01)**
[25] EN
[54] **RADIO SYSTEM USING NODES
SYSTEME DE
RADIOCOMMUNICATION
UTILISANT DES Nœuds**

[72] SCHLOEMER, GERALD R., US
[71] STAR MESH LLC, US
[85] 2019-02-04
[86] 2017-08-23 (PCT/US2017/048110)
[87] (WO2018/039292)
[30] US (62/379,601) 2016-08-25
[30] US (62/396,181) 2016-09-18

[21] **3,032,970**
[13] A1

[51] **Int.Cl. A61K 33/36 (2006.01) A61P
35/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **USE OF LOW DOSE ARSENIC FOR
PRESERVING GENOMIC
INTEGRITY**

[54] **UTILISATION D'ARSENIC A
FAIBLE DOSE POUR PRESERVER
L'INTEGRITE GENOMIQUE**

[72] HA, CHUL SOO, US
[72] YUAN, ZHI-MIN, US
[72] SU, HANG, US
[72] HASTY, EDWARD PAUL, US
[72] BERTUCH, ALISON A., US
[72] GRAMATGES, MARIA MONICA, US
[72] SWANSON, GREGORY P., US
[71] BOARD OF REGENTS OF THE
UNIVERSITY OF TEXAS SYSTEM,
US
[71] BAYLOR COLLEGE OF MEDICINE,
US
[85] 2019-02-04
[86] 2017-08-16 (PCT/US2017/047098)
[87] (WO2018/035200)
[30] US (62/375,657) 2016-08-16

[21] **3,032,971**
[13] A1

[51] **Int.Cl. A61K 31/395 (2006.01) A61K
31/496 (2006.01) A61K 31/505
(2006.01) A61K 31/7036 (2006.01)
A61P 31/04 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL
COMPOSITION CONTAINING
POLYMYXIN B/TRIMETHOPRIM
BASED THERAPEUTICS**

[54] **COMPOSITION
PHARMACEUTIQUE
CONTENANT DES AGENTS
THERAPEUTIQUES A BASE DE
POLYMYXINE
B/TRIMETHOPRIME**

[72] DUNMAN, PAUL M., US
[72] WOZNIAK, RACHEL, US
[71] UNIVERSITY OF ROCHESTER, US
[85] 2019-02-04
[86] 2017-08-16 (PCT/US2017/047060)
[87] (WO2018/035183)
[30] US (62/375,720) 2016-08-16
[30] US (62/489,535) 2017-04-25

[21] **3,032,972**
[13] A1

[51] **Int.Cl. C12N 5/073 (2010.01) C12N
5/071 (2010.01) C12N 5/0735
(2010.01) A61K 35/12 (2015.01) A61P
3/10 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **METHODS OF
DIFFERENTIATING STEM CELLS
INTO ENDODERM**

[54] **PROCEDES DE
DIFFERENCIATION DE
CELLULES SOUCHES EN
ENDODERME**

[72] HUANGFU, DANWEI, US
[72] LI, QING, US
[71] MEMORIAL SLOAN-KETTERING
CANCER CENTER, US
[85] 2019-02-04
[86] 2017-08-18 (PCT/US2017/047599)
[87] (WO2018/035454)
[30] US (62/377,363) 2016-08-19

[21] **3,032,992**
[13] A1

[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
THIOCARBONYL**

[72] DIXON, DAVID, CA
[72] ASSELIN, EDOUARD, CA
[72] REN, ZIHE, CA
[72] MORA-HUERTAS, NELSON, CA
[71] THE UNIVERSITY OF BRITISH
COLUMBIA, CA
[71] JETTI RESOURCES, KY
[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

[21] **3,032,993**
[13] A1

[51] **Int.Cl. B29B 17/04 (2006.01) B33Y
30/00 (2015.01) B29C 64/153 (2017.01)
B01F 3/18 (2006.01) B01F 5/10
(2006.01) B01F 5/24 (2006.01) B22F
3/00 (2006.01) B22F 3/105 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING
WASTE POWDER FROM
GENERATIVE PRODUCTION
PROCESSES**

[54] **PROCEDE DE RETRAITEMENT
DE POUFRE USAGEE
PROVENANT D'UN PROCEDE DE
FABRICATION ADDITIVE**

[72] GRIESSBACH, SOREN, DE
[71] GRIESSBACH, SOREN, DE
[85] 2019-02-05
[86] 2017-07-26 (PCT/DE2017/000233)
[87] (WO2018/028728)
[30] DE (10 2016 009 770.1) 2016-08-08

PCT Applications Entering the National Phase

[21] **3,032,994**
[13] A1

[51] **Int.Cl. A41D 27/00 (2006.01) A41D 13/00 (2006.01) A41H 43/00 (2006.01) B32B 15/14 (2006.01) D06M 17/00 (2006.01)**

[25] EN

[54] **FABRIC HAVING HEAT RETAINING PROPERTIES**

[54] **TISSU POSSEDANT DES PROPRIETES DE RETENTION DE LA CHALEUR**

[72] NG, CALVIN, CA

[72] YAMAMOTO, TOMIZO, JP

[71] POMMELLO INC., CA

[85] 2019-02-04

[86] 2017-08-18 (PCT/CA2017/050982)

[87] (WO2018/032113)

[30] US (62/376,695) 2016-08-18

[21] **3,032,995**
[13] A1

[51] **Int.Cl. A61K 38/31 (2006.01) A61K 38/16 (2006.01) A61K 38/22 (2006.01) A61K 38/38 (2006.01) A61P 5/02 (2006.01) C07K 14/655 (2006.01) C07K 14/765 (2006.01) C12N 15/62 (2006.01)**

[25] EN

[54] **COMPOSITIONS CONTAINING FUSION PROTEIN OF ALBUMIN AND ANALOGS THEREOF, METHODS FOR MAKING AND USING THE SAME**

[54] **COMPOSITIONS CONTENANT UNE PROTEINE HYBRIDE D'ALBUMINE ET DES ANALOGUES DE CELLE-CI, PROCEDES DE PRODUCTION ET D'UTILISATION DE CELLES-CI**

[72] MO, JOSEPH Y., US

[72] CHU, CHUN KWONG, CN

[71] NAL PHARMACEUTICAL GROUP LIMITED, CN

[71] MO, JOSEPH Y., US

[85] 2019-02-04

[86] 2017-06-27 (PCT/US2017/039477)

[87] (WO2018/038803)

[30] US (15/249,346) 2016-08-26

[21] **3,032,996**
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/05 (2006.01) A61K 31/137 (2006.01) A61K 31/36 (2006.01) A61K 31/551 (2006.01) A61P 3/04 (2006.01) A61P 25/08 (2006.01)**

[25] EN

[54] **FORMULATION FOR INHIBITING FORMATION OF 5-HT 2B AGONISTS AND METHODS OF USING SAME**

[54] **FORMULATION POUR L'INHIBITION D'AGONISTES DE 5-HT2B ET PROCEDES POUR LEUR UTILISATION**

[72] FARR, STEPHEN J., US

[72] BOYD, BROOKS, US

[71] ZOGENIX INTERNATIONAL LIMITED, GB

[85] 2019-02-04

[86] 2017-08-02 (PCT/IB2017/054740)

[87] (WO2018/037306)

[30] US (62/379,183) 2016-08-24

[30] US (62/515,383) 2017-06-05

[21] **3,032,997**
[13] A1

[51] **Int.Cl. C12M 1/12 (2006.01) C12N 5/07 (2010.01) G01N 33/50 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS OF CELL ATTACHMENT**

[54] **COMPOSITIONS ET PROCEDES DE FIXATION DE CELLULES**

[72] LEVNER, DANIEL, US

[72] HUH, DONGEUN HUH, US

[72] JANG, KYUNG JIN, US

[72] FRASER, JACOB, US

[72] KERNS, S. JORDAN, US

[72] VARONE, ANTONIO, US

[71] EMULATE, INC., US

[85] 2019-02-04

[86] 2017-07-12 (PCT/US2017/041762)

[87] (WO2018/013718)

[30] US (62/361,259) 2016-07-12

[21] **3,032,998**
[13] A1

[51] **Int.Cl. H01R 4/30 (2006.01) H01R 4/32 (2006.01) H01R 4/38 (2006.01) H01R 4/44 (2006.01) H01R 4/48 (2006.01) H01R 4/52 (2006.01)**

[25] EN

[54] **TAP CLAMP**

[54] **PINCE POUR ROBINET**

[72] DIOP, SEYDOU, US

[72] CANDELARIA, ADRIAN BEAU, US

[71] HUBBELL INCORPORATED, US

[85] 2019-02-04

[86] 2017-08-03 (PCT/US2017/045235)

[87] (WO2018/026996)

[30] US (62/370,918) 2016-08-04

[21] **3,032,999**
[13] A1

[51] **Int.Cl. A61B 5/0482 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DETECTING ACUTE BRAIN FUNCTION IMPAIRMENT**

[54] **SYSTEME ET PROCEDE DE DETECTION D'UNE ALTERATION DE FONCTION CEREBRALE AIGUE**

[72] EVINS, A. EDEN, US

[72] GILMAN, JODI M., US

[71] THE GENERAL HOSPITAL CORPORATION, US

[85] 2019-02-04

[86] 2017-08-04 (PCT/US2017/045541)

[87] (WO2018/027151)

[30] US (62/370,966) 2016-08-04

[30] US (62/393,405) 2016-09-12

Demandes PCT entrant en phase nationale

[21] **3,033,000**
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01) A61M 39/00 (2006.01) G01N 33/48 (2006.01)**

[25] EN

[54] **CONTROLLED BLOOD DELIVERY TO MIXING CHAMBER OF A BLOOD TESTING CARTRIDGE**

[54] **APPORT CONTROLE DE SANG DANS UNE CHAMBRE DE MELANGE D'UNE CARTOUCHE DE TEST SANGUIN**

[72] HILLMAN, ROBERT, US
[72] GORIN, MICHAEL M., US
[72] MCCLUSKEY, CORY LEE, US
[72] SCHWAIGER, HUBERT MARTIN, US

[71] CA CASYSO GMBH, CH
[85] 2019-02-04
[86] 2017-08-30 (PCT/US2017/049505)
[87] (WO2018/045114)
[30] US (15/253,121) 2016-08-31

[21] **3,033,001**
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **NOVEL COMPOUNDS**

[54] **NOUVEAUX COMPOSES**

[72] HARLING, JOHN DAVID, GB
[72] TINWORTH, CHRISTOPHER, GB

[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB

[85] 2019-02-05
[86] 2017-08-16 (PCT/EP2017/070718)
[87] (WO2018/033556)
[30] GB (1614134.3) 2016-08-18

[21] **3,033,003**
[13] A1

[51] **Int.Cl. E21B 43/22 (2006.01) C09K 8/592 (2006.01) E21B 43/24 (2006.01) E21B 43/25 (2006.01)**

[25] EN

[54] **COINJECTION OF DIMETHYL ETHER AND STEAM FOR BITUMEN AND HEAVY OIL RECOVERY**

[54] **CO-INJECTION D'ETHER DIMETHYLIQUE ET DE VAPEUR POUR LA RECUPERATION DE BITUME ET D'HUILE LOURDE**

[72] OKUNO, RYOSUKE, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US

[85] 2019-02-04
[86] 2017-08-07 (PCT/US2017/045724)
[87] (WO2018/031463)
[30] US (62/372,189) 2016-08-08

[21] **3,033,004**
[13] A1

[51] **Int.Cl. A61K 38/00 (2006.01) A61K 9/00 (2006.01) C12Q 1/37 (2006.01)**

[25] EN

[54] **STABLE PEPTIDES AND METHODS OF USE THEREOF**

[54] **PEPTIDES STABLES ET LEURS PROCEDES D'UTILISATION**

[72] GIRARD, EMILY JUNE, US
[72] CORRENTI, COLIN, US
[72] OLSON, JAMES, US
[72] NAIRN, NATALIE WINBLADE, US
[72] GEWE, MESFIN MULUGETA, US
[72] MEHLIN, CHRISTOPHER, US
[72] CROOK, ZACHARY, US
[72] STRONG, ROLAND, US
[72] PRESNELL, SCOTT RONALD, US

[71] FRED HUTCHINSON CANCER RESEARCH CENTER, US
[71] BLAZE BIOSCIENCE, INC., US

[85] 2019-02-04
[86] 2017-09-09 (PCT/US2017/050855)
[87] (WO2018/049285)
[30] US (62/385,908) 2016-09-09
[30] US (62/432,487) 2016-12-09
[30] US (62/447,869) 2017-01-18
[30] US (62/510,710) 2017-05-24

[21] **3,033,005**
[13] A1

[51] **Int.Cl. B65D 88/78 (2006.01) B65D 88/34 (2006.01) B65D 88/60 (2006.01) B65D 88/62 (2006.01)**

[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

[85] 2019-02-04
[86] 2017-09-13 (PCT/US2017/051254)
[87] (WO2018/052925)
[30] US (62/393,792) 2016-09-13

[21] **3,033,006**
[13] A1

[51] **Int.Cl. A23D 7/005 (2006.01) A23G 3/34 (2006.01) A23G 3/42 (2006.01) A23G 3/52 (2006.01)**

[25] EN

[54] **BASE EMULSION FOR THE PREPARATION OF ICINGS, FILLINGS AND TOPPINGS**

[54] **EMULSION DE BASE POUR LA PREPARATION DE GLACAGES, DE GARNITURES ET DE NAPPAGES**

[72] HESLER, WILLIAM MICHAEL, US
[72] DANN, ORELIA ELIZABETH, US
[72] HART, ANDREW RICHARD, US

[71] CSM BAKERY SOLUTIONS EUROPE HOLDING B.V., NL

[85] 2019-02-05
[86] 2017-08-03 (PCT/EP2017/069643)
[87] (WO2018/024823)
[30] US (62/371,501) 2016-08-05

PCT Applications Entering the National Phase

[21] **3,033,007**
[13] A1

[51] **Int.Cl. C08F 2/00 (2006.01) B01J 19/00 (2006.01) C08F 2/01 (2006.01) C08F 2/12 (2006.01) C08F 2/18 (2006.01) C08L 23/04 (2006.01) C08L 23/06 (2006.01)**

[25] EN

[54] **REACTOR SYSTEM FOR MULTIMODAL POLYETHYLENE POLYMERIZATION**

[54] **SYSTEME DE REACTEUR POUR LA POLYMERISATION DE POLYETHYLENE MULTIMODAL**

[72] TIYAPIBOONCHAIYA, PIYAWAN, TH

[72] SAMPHAWAMONTRI, PATCHARIN, TH

[72] KLOMKAMOL, WARACHAD, TH

[71] THAI POLYETHYLENE CO., LTD., TH

[71] SCG CHEMICALS CO., LTD., TH

[85] 2019-02-05

[86] 2017-09-07 (PCT/EP2017/072477)

[87] (WO2018/046604)

[30] EP (16188318.6) 2016-09-12

[21] **3,033,008**
[13] A1

[51] **Int.Cl. B62B 1/00 (2006.01) B62B 3/02 (2006.01)**

[25] EN

[54] **AIR CYLINDER CART WITH MANIFOLD FOR SUPPLYING ONE OR TWO CONTROL PANELS**

[54] **CHARIOT A BOUTEILLES D'AIR COMPRIME AVEC COLLECTEUR POUR ALIMENTER UN OU DEUX PANNEAUX DE COMMANDE**

[72] INTRAVATOLA, LAWRENCE SHANE, US

[71] AIR SYSTEMS, INC. D.B.A. AIR SYSTEMS INTERNATIONAL, INC., US

[85] 2019-02-04

[86] 2017-09-21 (PCT/US2017/052704)

[87] (WO2018/057729)

[30] US (62/398,117) 2016-09-22

[21] **3,033,011**
[13] A1

[51] **Int.Cl. H04W 36/00 (2009.01) H04W 84/12 (2009.01)**

[25] EN

[54] **LONG TERM EVOLUTION (LTE) HANDOVER WITH THE SAME SECONDARY LINK**

[54] **TRANSFERT D'EVOLUTION A LONG TERME (LTE) AVEC LA MEME LIAISON SECONDAIRE**

[72] OZTURK, OZCAN, US

[72] MAHESHWARI, SHAILESH, US

[72] MEYLAN, ARNAUD, US

[72] XIAO, GANG ANDY, US

[71] QUALCOMM INCORPORATED, US

[85] 2019-02-04

[86] 2017-09-22 (PCT/US2017/052941)

[87] (WO2018/057880)

[30] US (62/398,423) 2016-09-22

[30] US (15/710,963) 2017-09-21

[21] **3,033,012**
[13] A1

[51] **Int.Cl. C08J 5/18 (2006.01) C08L 23/04 (2006.01) C08L 23/06 (2006.01)**

[25] EN

[54] **HIGH PERFORMANCES MULTIMODAL ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE**

[54] **POLYETHYLENE MULTIMODAL HAUTE PERFORMANCE A MASSE MOLECULAIRE ULTRA ELEVEE**

[72] JARUMANEEROJ, CHATCHAI, TH

[72] TRASILANUN, SARANYA, TH

[72] CHEEVASRIRUNGRUANG, WATCHAREE, TH

[72] TIYAPIBOONCHAIYA, PIYAWAN, TH

[71] THAI POLYETHYLENE CO., LTD., TH

[71] SCG CHEMICALS CO., LTD., TH

[85] 2019-02-05

[86] 2017-09-11 (PCT/EP2017/072686)

[87] (WO2018/046713)

[30] EP (16188347.5) 2016-09-12

[21] **3,033,013**
[13] A1

[51] **Int.Cl. A61L 9/012 (2006.01) A41D 13/11 (2006.01) A61L 2/16 (2006.01) A61L 2/232 (2006.01)**

[25] EN

[54] **MATERIAL, DEVICE, AND METHOD FOR DEACTIVATING PATHOGEN IN AEROSOL, AND METHODS FOR MANUFACTURING THEREOF**

[54] **MATERIAU, DISPOSITIF ET PROCEDE DE DESACTIVATION D'UN AGENT PATHOGENE DANS UN AEROSOL, ET LEURS PROCEDES DE FABRICATION**

[72] CHOI, HYO-JICK, CA

[71] CHOI, HYO-JICK, CA

[85] 2019-02-05

[86] 2017-08-18 (PCT/IB2017/001143)

[87] (WO2018/033793)

[30] US (62/377,209) 2016-08-19

[21] **3,033,016**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01)**

[25] EN

[54] **METHODS AND REAGENTS FOR DETECTING PIPERAQUINE-RESISTANT PLASMODIUM FALCIPARUM MALARIA**

[54] **PROCEDES ET REACTIFS UTILISES POUR LA DETECTION DU PALUDISME A PLASMODIUM FALCIPARUM RESISTANT A LA PIPERAQUINE**

[72] MENARD, DIDIER, FR

[72] ARIEY, FREDERIC, FR

[72] WITKOWSKI, BENOIT, FR

[72] DURU, VALENTINE, FR

[72] KHIM, NIMOL, KH

[72] BEGHAIN, JOHANN, FR

[72] SAINT PIERRE, BENJAMIN, FR

[72] LEGRAND, ERIC, FR

[71] INSTITUT PASTEUR, FR

[71] INSTITUT PASTEUR DU CAMBODGE, KH

[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR

[85] 2019-02-05

[86] 2017-08-04 (PCT/IB2017/001125)

[87] (WO2018/029532)

[30] US (62/373179) 2016-08-10

Demandes PCT entrant en phase nationale

[21] **3,033,019**
[13] A1

[51] **Int.Cl. H04W 12/04 (2009.01) H04W 36/00 (2009.01) H04W 48/18 (2009.01) H04L 29/06 (2006.01)**

[25] EN

[54] **ACCESS STRATUM SECURITY FOR EFFICIENT PACKET PROCESSING**

[54] **SECURITE DE STRATE D'ACCES SERVANT A UN TRAITEMENT EFFICACE DE PAQUETS**

[72] LEE, SOO BUM, US

[72] KUBOTA, KEIICHI, US

[72] ESCOTT, ADRIAN EDWARD, US

[72] HORN, GAVIN BERNARD, US

[72] PALANIGOUNDER, ANAND, US

[71] QUALCOMM INCORPORATED, US

[85] 2019-02-04

[86] 2017-09-22 (PCT/US2017/052979)

[87] (WO2018/057908)

[30] US (62/398,699) 2016-09-23

[30] US (15/710,991) 2017-09-21

[21] **3,033,020**
[13] A1

[51] **Int.Cl. C07D 519/00 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **FUSED BICYCLIC INHIBITORS OF MENIN-MLL INTERACTION**

[54] **INHIBITEURS BICYCLIQUES FUSIONNES DE L'INTERACTION MENINE-MLL**

[72] ANGIBAUD, PATRICK RENE, FR

[72] PANDE, VINEET, BE

[72] HERKERT, BARBARA, BE

[72] KROSKY, DANIEL JASON, US

[72] QUEROLLE, OLIVIER ALEXIS GEORGES, FR

[72] PATRICK, AARON NATHANIEL, US

[71] JANSSEN PHARMACEUTICA NV, BE

[85] 2019-02-05

[86] 2017-09-13 (PCT/EP2017/073001)

[87] (WO2018/050684)

[30] US (62/394,291) 2016-09-14

[30] EP (16192424.6) 2016-10-05

[30] EP (17180228.3) 2017-07-07

[21] **3,033,023**
[13] A1

[51] **Int.Cl. E04F 11/06 (2006.01) B60R 3/02 (2006.01) E04F 11/035 (2006.01)**

[25] EN

[54] **A RETRACTABLE STAIRCASE**

[54] **ESCALIER ESCAMOTABLE**

[72] BIANCHI, ZEV, AU

[71] BIANCHI, ZEV, AU

[85] 2019-02-05

[86] 2016-08-10 (PCT/AU2016/050724)

[87] (WO2017/024349)

[30] AU (2015903242) 2015-08-11

[21] **3,033,026**
[13] A1

[51] **Int.Cl. A61K 35/20 (2006.01) A61K 31/7034 (2006.01) A61K 31/737 (2006.01)**

[25] EN

[54] **COMPOSITION FOR THE TREATMENT OF PATHOLOGIES OF THE URINARY SYSTEM**

[54] **COMPOSITION POUR LE TRAITEMENT DE PATHOLOGIES DU SYSTEME URINAIRE**

[72] FERRARI, ALESSIO, IT

[72] GENOVA, LUCIANO, IT

[71] ALFAKJN S.R.L., IT

[85] 2019-02-05

[86] 2017-07-27 (PCT/IB2017/054558)

[87] (WO2018/029558)

[30] IT (102016000084488) 2016-08-10

[21] **3,033,027**
[13] A1

[51] **Int.Cl. H04L 5/00 (2006.01) H04L 27/00 (2006.01)**

[25] EN

[54] **TECHNIQUES FOR WLAN MEASUREMENTS FOR UNLICENSED SPECTRUM COMMUNICATIONS**

[54] **TECHNIQUES POUR DES MESURES DE WLAN POUR DES COMMUNICATIONS DE SPECTRE SANS LICENCE**

[72] OZTURK, OZCAN, US

[72] MEYLAN, ARNAUD, US

[72] VEEREPALLI, SIVARAMAKRISHNA, US

[71] QUALCOMM INCORPORATED, US

[85] 2019-02-04

[86] 2017-09-25 (PCT/US2017/053263)

[87] (WO2018/058042)

[30] US (62/399,891) 2016-09-26

[30] US (15/713,478) 2017-09-22

[21] **3,033,029**
[13] A1

[51] **Int.Cl. H04L 29/00 (2006.01) G06F 3/00 (2006.01) G06F 13/00 (2006.01)**

[25] EN

[54] **AUTO ADDRESS AND CONFIGURATION OF A MULTI-DROP COMMUNICATION SYSTEM INCLUDING AUTOMATIC TERMINATION OF SAME**

[54] **ADRESSAGE ET CONFIGURATION AUTOMATIQUES D'UN SYSTEME DE COMMUNICATION MULTIPOINT AVEC TERMINAISON AUTOMATIQUE**

[72] JOUPER, JEFFREY A., US

[71] ASTRONICS ADVANCED ELECTRONIC SYSTEMS CORP., US

[85] 2019-02-04

[86] 2017-10-04 (PCT/US2017/055016)

[87] (WO2018/067623)

[30] US (62/404,425) 2016-10-05

[30] US (15/719,054) 2017-09-28

[21] **3,033,031**
[13] A1

[51] **Int.Cl. A47B 88/467 (2017.01) E05B 65/463 (2017.01)**

[25] EN

[54] **RETRACTION DEVICE FOR A DRAWER MECHANISM**

[54] **DISPOSITIF D'INSERTION POUR SYSTEME D'EXTRACTION DE TIROIR**

[72] SATONY, CHRISTIAN, DE

[72] SCHARER, ALEXANDER, CH

[72] DIENES, THOMAS, CH

[72] STOCKLI, KASPAR, CH

[71] USM HOLDING AG, CH

[71] ACCURIDE INTERNATIONAL GMBH, DE

[85] 2019-02-05

[86] 2017-09-18 (PCT/EP2017/073469)

[87] (WO2018/059987)

[30] EP (16191873.5) 2016-09-30

PCT Applications Entering the National Phase

[21] **3,033,032**
[13] A1

[51] **Int.Cl. A61K 35/741 (2015.01) A61K 45/06 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **COMPOSITION FOR USE IN THE TREATMENT OF MAJOR DEPRESSIVE DISORDER**
[54] **COMPOSITION DESTINEE A ETRE UTILISEE DANS LE TRAITEMENT D'UN TROUBLE DEPRESSIF MAJEUR**
[72] MOGNA, GIOVANNI, IT
[71] PROBIOTICAL S.P.A., IT
[85] 2019-02-05
[86] 2017-08-10 (PCT/IB2017/054883)
[87] (WO2018/029629)
[30] IT (102016000084470) 2016-08-10

[21] **3,033,034**
[13] A1

[51] **Int.Cl. F17D 5/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SECONDARY CONTAINMENT OF PRODUCTS CONVEYED BY PIPELINE TRANSPORT**
[54] **SYSTEME ET PROCEDE DE CONFINEMENT SECONDAIRE DE PRODUITS CONVOYES PAR LE TRANSPORT PAR PIPELINE**
[72] YOUNG, LAWRENCE WILLIAM, CA
[71] TOTAL CONTAINMENT INC., CA
[85] 2019-02-05
[86] 2017-08-04 (PCT/CA2017/050934)
[87] (WO2018/027312)
[30] US (62/372,262) 2016-08-08

[21] **3,033,035**
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **METHOD FOR THE DIAGNOSIS OF ACUTE PANCREATITIS (AP) BY DETECTION OF GLYCOPROTEIN 2 ISOFORM ALPHA (GP2A)**
[54] **METHODE DE DIAGNOSTIC DE PANCREATITE AIGUE (AP) PAR DETECTION D'ISOFORME ALPHA DE GLYCOPROTEINE 2 (GP2A)**
[72] ROGGENBUCK, DIRK, DE
[71] GA GENERIC ASSAYS GMBH, DE
[85] 2019-02-05
[86] 2017-09-26 (PCT/EP2017/074405)
[87] (WO2018/055209)
[30] EP (16190594.8) 2016-09-26

[21] **3,033,036**
[13] A1

[51] **Int.Cl. F25D 23/00 (2006.01) A47B 77/08 (2006.01)**
[25] EN
[54] **MOUNTING STRUCTURE AND HOUSEHOLD APPLIANCE**
[54] **STRUCTURE DE MONTAGE ET APPAREIL ELECTROMENAGER**
[72] YUAN, JINGUO, CN
[71] HEFEI HUALING CO., LTD., CN
[71] HEFEI MIDEA REFRIGERATOR CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2019-02-05
[86] 2017-02-28 (PCT/CN2017/075258)
[87] (WO2018/072372)
[30] CN (201621144328.1) 2016-10-20

[21] **3,033,038**
[13] A1

[51] **Int.Cl. C01B 21/16 (2006.01) C07C 281/00 (2006.01) C25B 1/04 (2006.01) C25B 3/04 (2006.01) H01M 8/00 (2016.01)**
[25] EN
[54] **METHOD FOR STORING ENERGY IN THE FORM OF HYDRAZINE CARBONATE**
[54] **PROCEDE POUR L'ACCUMULATION D'ENERGIE SOUS FORME DE CARBONATE D'HYDRAZINE**
[72] HOLWEGGER, WALTER, DE
[72] WEGENER, MORITZ, DE
[72] MUSAYEV, YASHAR, DE
[71] SCHAEFFLER TECHNOLOGIES AG & CO. KG, DE
[85] 2019-02-05
[86] 2017-09-22 (PCT/DE2017/100808)
[87] (WO2018/095458)
[30] DE (10 2016 223 001.8) 2016-11-22

[21] **3,033,039**
[13] A1

[51] **Int.Cl. A61K 31/27 (2006.01) A61K 31/445 (2006.01) A61K 31/5377 (2006.01) A61K 31/55 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMBINATION OF HISTAMINE-3 RECEPTOR INVERSE AGONISTS WITH ACETYLCHOLINESTERASE INHIBITORS**
[54] **COMBINAISON D'AGONISTES INVERSES DU RECEPTEUR DE L'HISTAMINE-3 AVEC DES INHIBITEURS DE L'ACETYLCHOLINESTERASE**
[72] NIROGI, RAMAKRISHNA, IN
[72] SHINDE, ANIL KARBHARI, IN
[72] MOHAMMED, ABDUL RASHEED, IN
[72] JAYARAJAN, PRADEEP, IN
[72] BHYRAPUNENI, GOPINADH, IN
[72] JASTI, VENKATESWARLU, IN
[71] SUVEN LIFE SCIENCES LIMITED, IN
[85] 2019-02-05
[86] 2017-08-14 (PCT/IB2017/054938)
[87] (WO2018/033847)
[30] IN (201641028166) 2016-08-18

[21] **3,033,040**
[13] A1

[51] **Int.Cl. A61C 1/08 (2006.01)**
[25] EN
[54] **FORCE-CLOSURE OR FORM-CLOSURE POSITIONING OF SURGICAL TEMPLATES FOR GUIDED IMPLANT DENTISTRY**
[54] **POSITIONNEMENT DE FERMETURE DE FORCE OU DE FERMETURE DE FORME DE GABARITS CHIRURGICAUX POUR DENTISTERIE D'IMPLANT GUIDEE**
[72] MASSOELS, JO, BE
[72] POLSPOEL, WOUTER, BE
[72] MUYLAERT, DOMINIK, BE
[71] DENTSPLY IMPLANTS NV, BE
[85] 2019-02-05
[86] 2017-09-27 (PCT/EP2017/074565)
[87] (WO2018/060296)
[30] EP (16190965.0) 2016-09-27

Demandes PCT entrant en phase nationale

[21] **3,033,041**
[13] A1

[51] **Int.Cl. A61K 31/05 (2006.01) A61K 36/9066 (2006.01) A61K 47/44 (2017.01) A61P 3/04 (2006.01)**

[25] EN

[54] **A SUBCUTANEOUS INJECTION FORMULATION FOR REDUCING BODY WEIGHT AND USES THEREOF**

[54] **INJECTION SOUS-CUTANEE POUR REDUIRE LE POIDS CORPOREL ET APPLICATION ASSOCIEE**

[72] LING, YU-FANG, TW

[71] CALIWAY BIOPHARMACEUTICALS CO., LTD., CN

[85] 2019-02-05

[86] 2017-08-25 (PCT/IB2017/055129)

[87] (WO2018/037384)

[30] IB (PCT/IB2016/055101) 2016-08-26

[30] IB (PCT/IB2016/055102) 2016-08-26

[21] **3,033,043**
[13] A1

[51] **Int.Cl. A47K 10/42 (2006.01) B65H 45/24 (2006.01)**

[25] EN

[54] **STACK OF PAPER SHEETS, DISPENSER HAVING SUCH A STACK AND METHOD FOR FORMING SUCH A STACK**

[54] **EMPILEMENT DE FEUILLES DE PAPIER, DISTRIBUTEUR COMPORTANT UN TEL EMPILEMENT ET PROCEDE DE FORMATION D'UN TEL EMPILEMENT**

[72] FALK, MAGNUS, SE

[72] DENIS, YOANN, FR

[72] CARLSON, PAUL, US

[71] ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE

[85] 2019-02-05

[86] 2016-09-20 (PCT/EP2016/072329)

[87] (WO2018/054455)

[21] **3,033,045**
[13] A1

[51] **Int.Cl. A61K 35/14 (2015.01) A61K 35/16 (2015.01) A61P 17/00 (2006.01) A61P 17/18 (2006.01) A61P 29/00 (2006.01) A61P 39/00 (2006.01)**

[25] EN

[54] **ANTI-AGEING PHARMACEUTICAL PREPARATION**

[54] **PREPARATION PHARMACEUTIQUE ANTI-VIEILLISSEMENT**

[72] WEHLING, PETER, DE

[72] REINECKE, JULIO, DE

[71] ORTHOGEN AG, DE

[85] 2019-02-05

[86] 2017-05-11 (PCT/EP2017/000574)

[87] (WO2018/033226)

[30] EP (16 001 807.3) 2016-08-17

[30] EP (PCT/EP2016/001887) 2016-11-14

[30] EP (PCT/EP2016/001888) 2016-11-14

[21] **3,033,042**
[13] A1

[51] **Int.Cl. H01L 21/822 (2006.01) H01L 27/04 (2006.01)**

[25] EN

[54] **SEMICONDUCTOR CAPACITOR**

[54] **CONDENSATEUR A SEMI-CONDUCTEUR**

[72] HAYAMI, YASUAKI, JP

[72] HAYASHI, TETSUYA, JP

[72] ZUSHI, YUSUKE, JP

[72] NI, WEI, JP

[72] OKUBO, AKINORI, JP

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

[85] 2019-02-05

[86] 2016-08-05 (PCT/JP2016/073116)

[87] (WO2018/025403)

[21] **3,033,044**
[13] A1

[51] **Int.Cl. D21H 17/37 (2006.01) D21H 17/38 (2006.01) D21H 21/18 (2006.01) D21H 21/20 (2006.01)**

[25] EN

[54] **PAPER PRODUCT AND METHOD FOR INCREASING THE STRENGTH THEREOF**

[54] **PRODUIT DE PAPIER ET PROCEDE D'AUGMENTATION DE SA RESISTANCE**

[72] LUO, YUPING, US

[72] TELLAKULA, ROOPA, US

[72] ROSENCRANCE, SCOTT, US

[71] KEMIRA OYJ, FI

[85] 2019-02-05

[86] 2016-09-15 (PCT/US2016/051823)

[87] (WO2018/052420)

[21] **3,033,046**
[13] A1

[51] **Int.Cl. A61K 31/485 (2006.01) A61K 9/08 (2006.01) A61K 47/10 (2017.01) A61K 47/22 (2006.01) A61P 25/04 (2006.01) A61P 25/36 (2006.01)**

[25] EN

[54] **SUSTAINED-RELEASE BUPRENORPHINE FORMULATIONS BACKGROUND OF INVENTION**

[54] **ARRIERE-PLAN DE L'INVENTION DE FORMULATIONS DE BUPRENORPHINE A LIBERATION PROLONGEE**

[72] LIN, TONG-HO, CN

[72] WEN, YUNG-SHUN, CN

[72] LIANG, JUI-WEI, CN

[71] ALAR PHARMACEUTICALS INC., CN

[85] 2019-02-05

[86] 2017-09-12 (PCT/CN2017/101327)

[87] (WO2018/050043)

[30] US (62/394,168) 2016-09-13

PCT Applications Entering the National Phase

[21] **3,033,047**
[13] A1

[51] **Int.Cl. E01B 31/12 (2006.01)**
[25] EN
[54] **MACHINE WHICH IS MOVABLE ON A TRACK FOR REMOVING IRREGULARITIES ON A RAIL HEAD SURFACE**
[54] **MACHINE SUR RAIL PERMETTANT L'ENLEVEMENT D'IRREGULARITES DE LA SURFACE D'UN CHAMPIGNON DE RAIL**
[72] WORGOTTER, HERBERT, AT
[71] PLASSER & THEURER EXPORT VON BAHNBAUMASCHINEN GESELLSCHAFT M.B.H., AT
[85] 2019-02-05
[86] 2017-08-09 (PCT/EP2017/000967)
[87] (WO2018/046115)
[30] AT (A 413/2016) 2016-09-07

[21] **3,033,048**
[13] A1

[51] **Int.Cl. B27D 3/02 (2006.01) F26B 3/20 (2006.01) F26B 15/12 (2006.01)**
[25] EN
[54] **MULTISTAGE DRYING APPARATUS AND MULTISTAGE DRYING METHOD FOR SHEET MATERIAL TO BE TREATED**
[54] **APPAREIL DE SECHAGE A ETAGES MULTIPLES ET PROCEDE DE SECHAGE A ETAGES MULTIPLES POUR MATERIAUX EN PLAQUES A TRAITER**
[72] ISHIGURO, MASARU, JP
[72] MIZUTANI, KEISUKE, JP
[72] KATO, WATARU, JP
[72] SATO, NORIYUKI, JP
[72] AOYAMA, KAZUYA, JP
[71] TAIHEI MACHINERY WORKS, LTD., JP
[85] 2019-02-05
[86] 2017-06-26 (PCT/JP2017/023369)
[87] (WO2018/030004)
[30] JP (2016-156476) 2016-08-09

[21] **3,033,049**
[13] A1

[51] **Int.Cl. B27D 3/02 (2006.01)**
[25] EN
[54] **MULTISTAGE CONVEYANCE METHOD, MULTISTAGE CONVEYANCE APPARATUS, AND MULTISTAGE PRESS APPARATUS FOR SHEET MATERIAL TO BE TREATED**
[54] **PROCEDE DE TRANSPORT A ETAGES MULTIPLES, APPAREIL DE TRANSPORT A ETAGES MULTIPLES ET APPAREIL DE PRESSE A ETAGES MULTIPLES POUR MATERIAUX A PLAQUES A TRAITER**
[72] ISHIGURO, MASARU, JP
[72] MIZUTANI, KEISUKE, JP
[72] KATO, WATARU, JP
[71] TAIHEI MACHINERY WORKS, LTD., JP
[85] 2019-02-05
[86] 2017-06-26 (PCT/JP2017/023371)
[87] (WO2018/030005)
[30] JP (2016-156477) 2016-08-09

[21] **3,033,050**
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/13 (2006.01) A61K 31/27 (2006.01) A61K 31/445 (2006.01) A61K 31/5377 (2006.01) A61K 31/55 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **TRIPLE COMBINATION OF HISTAMINE-3 RECEPTOR INVERSE AGONISTS, ACETYLCHOLINESTERASE INHIBITORS AND NMDA RECEPTOR ANTAGONIST**
[54] **TRIPLE COMBINAISON D'AGONISTES INVERSES DU RECEPTEUR D'HISTAMINE-3, D'INHIBITEURS DE L'ACETYLCHOLINESTERASE ET D'ANTAGONISTES DU RECEPTEURS NMDA**
[72] NIROGI, RAMAKRISHNA, IN
[72] SHINDE, ANIL KARBHARI, IN
[72] MOHAMMED, ABDUL RASHEED, IN
[72] JAYARAJAN, PRADEEP, IN
[72] BHYRAPUNENI, GOPINADH, IN
[72] JASTI, VENKATESWARLU, IN
[71] SUVEN LIFE SCIENCES LIMITED, IN
[85] 2019-02-05
[86] 2017-08-14 (PCT/IB2017/054939)
[87] (WO2018/033848)
[30] IN (201641028165) 2016-08-18

Demandes PCT entrant en phase nationale

[21] **3,033,051**
[13] A1

[51] **Int.Cl. A61K 38/38 (2006.01) A61K 35/14 (2015.01)**

[25] EN

[54] **BLOOD PLASMA FRACTIONS AS A TREATMENT FOR AGING-ASSOCIATED COGNITIVE DISORDERS**

[54] **FRACTIONS DE PLASMA SANGUIN UTILISEES EN TANT QUE TRAITEMENT DE TROUBLES COGNITIFS ASSOCIES AU VIEILLISSEMENT**

[72] BELL, DAVID, IE

[72] GALLAGER, IAN, US

[72] BRAITHWAITE, STEVEN P., US

[72] MINAMI, S. SAKURA, US

[72] DANG, VU, US

[72] MCCracken, JOE, US

[72] NIKOLICH, KAROLY, US

[71] ALKAHEST, INC., US

[85] 2019-02-05

[86] 2017-04-27 (PCT/US2017/029953)

[87] (WO2018/034712)

[30] US (62/376,529) 2016-08-18

[30] US (62/412,258) 2016-10-24

[21] **3,033,052**
[13] A1

[51] **Int.Cl. B60C 17/08 (2006.01) B60C 9/00 (2006.01) B60C 13/00 (2006.01)**

[25] EN

[54] **PNEUMATIC TIRE WITH ANNULAR SIDEWALL CONCAVITY**

[54] **PNEU DOTE D'UNE CONCAVITE DE PAROI LATERALE ANNULAIRE**

[72] NOVOPLANSKI, AVISHAY, IL

[72] EDERY AZULAY, LUCY, IL

[71] GALILEO WHEEL LTD., IL

[85] 2019-02-05

[86] 2017-09-25 (PCT/IL2017/051072)

[87] (WO2018/055624)

[30] US (62/399,420) 2016-09-25

[21] **3,033,053**
[13] A1

[51] **Int.Cl. A61J 3/00 (2006.01) B65B 1/30 (2006.01) B65B 57/10 (2006.01)**

[25] EN

[54] **MEDICATION SACHET PACKAGING DEVICE**

[54] **ASSOCIATIF D'EMBALLAGE DE SACHETS DE MEDICAMENTS**

[72] KOIKE, NAOKI, JP

[72] FUKAMORI, RYOSUKE, JP

[71] YUYAMA MFG. CO., LTD., JP

[85] 2019-02-05

[86] 2017-08-01 (PCT/JP2017/027883)

[87] (WO2018/025852)

[30] JP (2016-154173) 2016-08-05

[21] **3,033,054**
[13] A1

[51] **Int.Cl. A01K 63/04 (2006.01) G06Q 50/02 (2012.01) A01K 61/60 (2017.01)**

[25] EN

[54] **INTELLIGENT OXYGEN CONTROL IN SEA CAGES**

[54] **REGULATION INTELLIGENTE D'OXYGENE DANS DES CAGES SOUS-MARINES**

[72] GLOMSET, KENNETH, NO

[72] DULLSTEIN, STEFAN, DE

[72] LOEVOLD HELLEBUST, THOMAS, NO

[72] AAKERNES, JOHN BERTIL, NO

[71] LINDE AKTIENGESSELLSCHAFT, DE

[85] 2019-02-05

[86] 2017-08-24 (PCT/EP2017/025241)

[87] (WO2018/041413)

[30] EP (16001910.5) 2016-09-01

[21] **3,033,055**
[13] A1

[51] **Int.Cl. H01Q 1/08 (2006.01) H01Q 15/20 (2006.01) H01Q 19/10 (2006.01)**

[25] EN

[54] **DEPLOYABLE REFLECTOR ANTENNA**

[54] **ANTENNE A REFLECTEUR DEPLOYABLE**

[72] WALKER, CHRISTOPHER K., US

[72] SMITH, IRA STEVE, US

[71] ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, US

[71] SOUTHWEST RESEARCH INSTITUTE, US

[85] 2019-02-05

[86] 2017-05-12 (PCT/US2017/032446)

[87] (WO2017/197286)

[30] US (15/154,760) 2016-05-13

[21] **3,033,056**
[13] A1

[51] **Int.Cl. C12G 3/02 (2019.01) C12G 3/08 (2006.01)**

[25] EN

[54] **BACTERIAL, FUNGAL, AND YEAST GROWTH INHIBITOR CONTAINING ALLULOSE**

[54] **INHIBITEUR DE CROISSANCE BACTERIENNE, FONGIQUE OU DE LEVURE CONTENANT DE L'ALLULOSE**

[72] CHOI, JONG MIN, KR

[72] KIM, SU-JEONG, KR

[72] BAK, YOUN-KYUNG, KR

[72] PARK, JUNG GYU, KR

[72] BYUN, SUNG BAE, KR

[72] SHIM, DONG SEOK, KR

[72] LEE, IN, KR

[72] PARK, SEUNG WON, KR

[72] JUNG, DONG CHUL, KR

[71] CJ CHEILJEDANG CORPORATION, KR

[85] 2019-02-05

[86] 2017-09-28 (PCT/KR2017/010821)

[87] (WO2018/066890)

[30] KR (10-2016-0128949) 2016-10-06

[21] **3,033,057**
[13] A1

[51] **Int.Cl. G01L 9/00 (2006.01) G01L 1/14 (2006.01) G01L 9/08 (2006.01)**

[25] EN

[54] **MICRO PRESSURE SENSOR**

[54] **MICRO-CAPTEUR DE PRESSION**

[72] MARSH, STEPHEN ALAN, US

[71] MARSH, STEPHEN ALAN, US

[85] 2019-02-05

[86] 2017-08-04 (PCT/US2017/045449)

[87] (WO2018/027108)

[30] US (62/371,361) 2016-08-05

[30] US (15/668,837) 2017-08-04

PCT Applications Entering the National Phase

[21] **3,033,058**
[13] A1
[51] **Int.Cl. C07D 498/04 (2006.01) A61K 31/4355 (2006.01) A61P 3/04 (2006.01)**
[25] EN
[54] **OXADIAZOLOPYRIDINE DERIVATES FOR USE AS GHRELIN O-ACYL TRANSFERASE (GOAT) INHIBITORS**
[54] **DERIVES D'OXADIAZOLOPYRIDINE UTILISES COMME INHIBITEURS DE LA GHRELIN O-ACYL TRANSFERASE (CHEVRE)**
[72] GODBOUT, CEDRICKX, DE
[72] TRIESELNANN, THOMAS, DE
[72] VINTONYAK, VIKTOR, DE
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2019-02-05
[86] 2017-07-31 (PCT/EP2017/069274)
[87] (WO2018/024653)
[30] EP (16183047.6) 2016-08-05

[21] **3,033,059**
[13] A1
[51] **Int.Cl. G06T 13/20 (2011.01) H04N 19/597 (2014.01) G06K 9/62 (2006.01) G06T 17/20 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A GENERATING AN INTERACTIVE 3D ENVIRONMENT USING VIRTUAL DEPTH**
[54] **SYSTEMES ET PROCEDES POUR GENERER UN ENVIRONNEMENT 3D INTERACTIF EN UTILISANT UNE PROFONDEUR VIRTUELLE**
[72] ESKANDER, TAMER, US
[72] STEELE, ISAAC, US
[71] VIACOM INTERNATIONAL INC., US
[85] 2019-02-05
[86] 2017-08-02 (PCT/US2017/045144)
[87] (WO2018/031341)
[30] US (15/233,823) 2016-08-10

[21] **3,033,060**
[13] A1
[51] **Int.Cl. G07F 9/02 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR MOBILE VENDING**
[54] **APPAREIL ET PROCEDE DE DISTRIBUTION AUTOMATIQUE MOBILE**
[72] HIGH, DONALD R., US
[72] MCHALE, BRIAN G., GB
[72] ATCHLEY, MICHAEL D., US
[71] WALMART APOLLO, LLC, US
[85] 2019-02-05
[86] 2017-08-08 (PCT/US2017/045891)
[87] (WO2018/034886)
[30] US (62/377,089) 2016-08-19

[21] **3,033,061**
[13] A1
[51] **Int.Cl. E04B 9/30 (2006.01) E04B 9/02 (2006.01)**
[25] FR
[54] **ATTACHMENT PROFILE MEMBER ALLOWING THE PASSAGE OF AIR AND CEILING ASSEMBLY COMPRISING SUCH A PROFILE MEMBER**
[54] **PROFILE D'ACCROCHE PERMETTANT LE PASSAGE D'AIR ET ENSEMBLE DE PLAFOND COMPRENANT UN TEL PROFILE**
[72] SCHERRER, JEAN-MARC, FR
[72] LANG, DAMIEN, FR
[71] SCHERRER, JEAN-MARC, FR
[71] LANG, DAMIEN, FR
[85] 2019-02-05
[86] 2017-08-17 (PCT/FR2017/052238)
[87] (WO2018/037184)
[30] FR (1657910) 2016-08-24
[30] FR (1663456) 2016-12-28

[21] **3,033,062**
[13] A1
[51] **Int.Cl. C11D 3/33 (2006.01) C11D 3/37 (2006.01) C11D 3/386 (2006.01) C11D 11/00 (2006.01)**
[25] EN
[54] **LIQUID LAUNDRY FORMULATION**
[54] **FORMULATION LIQUIDE DE BLANCHISSERIE**
[72] SPANGENBERG, OLIVER, DE
[72] ESPER, CLAUDIA, DE
[71] BASF SE, DE
[85] 2019-02-05
[86] 2017-07-31 (PCT/EP2017/069299)
[87] (WO2018/029021)
[30] EP (16183172.2) 2016-08-08

Demandes PCT entrant en phase nationale

[21] **3,033,063**
[13] A1

[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/395 (2006.01) A61P 37/00 (2006.01) C07K 16/24 (2006.01) C12N 15/00 (2006.01) C12N 15/63 (2006.01)**

[25] EN

[54] **ANTIBODY OR AN ANTIGEN-BINDING FRAGMENT THEREOF CAPABLE OF BINDING TO A HUMAN RECEPTOR OF INTERLEUKIN-6**

[54] **ANTICORPS OU SON FRAGMENT DE LIAISON D'ANTIGENES APTE A SE LIER AU RECEPTEUR D'INTERLEUKINE-6 DE L'HUMAIN**

[72] EVDOKIMOV, STANISLAV RUDOLFOVICH, RU

[72] ULITIN, ANDREI BORISOVICH, RU

[72] SOLOVYEV, VALERY VLADIMIROVICH, RU

[72] ALEKSANDROV, ALEKSEI ALEKSANDROVICH, RU

[72] CHERNYKH, YULIA SERGEEVNA, RU

[72] NEMANKIN, TIMOFEY ALEKSANDROVICH, RU

[72] VLADIMIROVA, ANNA KONSTANTINOVNA, RU

[72] SMOTROV, OLEG IGOREVICH, RU

[72] CHERNOVSKAYA, TATIANA VENIAMINOVNA, RU

[72] MOSHCENKO, ALEKSANDR ALEKSANDROVICH, RU

[72] NALOBINA, VIKTORIIA EVGENEVNA, RU

[72] IVANOV, ROMAN ALEKSEEVICH, RU

[72] MOROZOV, DMITRY VALENTINOVICH, RU

[71] JOINT STOCK COMPANY "BIOCAD", RU

[85] 2019-02-05

[86] 2017-08-03 (PCT/RU2017/050070)

[87] (WO2018/034597)

[30] RU (2016133720) 2016-08-17

[21] **3,033,064**
[13] A1

[51] **Int.Cl. C08F 287/00 (2006.01) C08F 265/00 (2006.01) C08F 265/02 (2006.01) C08F 265/04 (2006.01) C08F 291/00 (2006.01) C08F 293/00 (2006.01) C08J 7/04 (2006.01) C08J 7/06 (2006.01) C08J 7/12 (2006.01) C08J 7/16 (2006.01) C08J 7/18 (2006.01)**

[25] EN

[54] **POLYMERIC DEVICES AND METHODS OF MAKING**

[54] **DISPOSITIFS POLYMERES ET PROCEDES DE FABRICATION**

[72] PAN, TINGRUI, US

[72] COHEN, EDWARD AARON, US

[72] BAZOR, BEN, US

[72] YANG, GAOMAI, US

[71] MICROOPTX INC., US

[85] 2019-02-05

[86] 2017-08-03 (PCT/US2017/045259)

[87] (WO2018/027009)

[30] US (62/371,706) 2016-08-05

[21] **3,033,065**
[13] A1

[51] **Int.Cl. A61K 31/4439 (2006.01) A61K 47/02 (2006.01) A61K 47/18 (2017.01)**

[25] EN

[54] **DRUG COMPOSITIONS**

[54] **COMPOSITIONS DE MEDICAMENTS.**

[72] SUTHERLAND, DAVID CLAYTON, US

[72] ZORN, JAMES KYLE, US

[72] CARLO, DENNIS J., US

[71] ADAMIS PHARMACEUTICALS CORPORATION, US

[85] 2019-02-05

[86] 2017-08-11 (PCT/US2017/046599)

[87] (WO2018/031935)

[30] US (62/373,871) 2016-08-11

[21] **3,033,066**
[13] A1

[51] **Int.Cl. F16L 53/00 (2018.01)**

[25] EN

[54] **WRAPPED HOSE HEATER ASSEMBLY WITH HOT POCKET CONFIGURATION**

[54] **ENSEMBLE DE CHAUFFAGE DE TUYAU FLEXIBLE ENROULE AVEC CONFIGURATION DE POCHE CHAUDE**

[72] AMOS, DAVID, US

[72] HENRY, TY, US

[71] PARKER-HANNIFIN CORPORATION, US

[85] 2019-02-05

[86] 2017-08-03 (PCT/US2017/045282)

[87] (WO2018/034853)

[30] US (62/375,081) 2016-08-15

[21] **3,033,067**
[13] A1

[51] **Int.Cl. A61M 15/00 (2006.01) A61M 11/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR CONTROLLED MEDICAL THERAPY**

[54] **SYSTEME ET PROCEDE POUR UNE THERAPIE MEDICALE COMMANDEE**

[72] LAPIDUS, KYLE, US

[72] KALYANPUR, ARJUN, US

[72] SAFIAN, NICHOLAS, US

[72] BOTHA, MARCEL, US

[71] VALIDOSE, INC., US

[85] 2019-02-05

[86] 2017-08-25 (PCT/US2017/048624)

[87] (WO2018/039562)

[30] US (62/379,523) 2016-08-25

PCT Applications Entering the National Phase

[21] **3,033,068**
[13] A1

[51] **Int.Cl. F25J 1/00 (2006.01) C01B 3/56 (2006.01) F25J 1/02 (2006.01) F25J 3/04 (2006.01)**

[25] EN

[54] **INTEGRATION OF INDUSTRIAL GAS SITE WITH LIQUID HYDROGEN PRODUCTION**

[54] **INTEGRATION DANS UN SITE DE GAZ INDUSTRIEL D'UNE PRODUCTION D'HYDROGENE LIQUIDE**

[72] GUILLARD, ALAIN, US

[72] FRANC, PIERRE-ETIENNE, FR

[72] TURNEY, MICHAEL A., US

[72] ANDREEV, KIRILL, US

[72] ROESCH, ALEXANDER, US

[71] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR

[85] 2019-02-05

[86] 2017-08-04 (PCT/US2017/045549)

[87] (WO2018/027154)

[30] US (62/371,497) 2016-08-05

[30] US (15/414,155) 2017-01-24

[21] **3,033,069**
[13] A1

[51] **Int.Cl. B01D 46/00 (2006.01) B01D 46/42 (2006.01)**

[25] EN

[54] **AIR FILTER CONDITION SENSING**

[54] **DETECTION DE L'ETAT D'UN FILTRE A AIR**

[72] ARTHUR, JONATHAN B., US

[72] BLOEDORN, KARL W., US

[72] CHAKRAVARTY, JAYANT, US

[72] PORTELLI, GENE B., US

[72] GLASS, DENNIS M., US

[72] MEIS, MICHAEL A., US

[72] LUPPES, LYLE L., US

[72] HENNEN, DANIEL W., US

[72] FLETCHER, DOUGLAS D., US

[72] HEMBERG, ERIC O., CN

[72] HEMBERG, OSCAR M., SE

[71] 3M INNOVATIVE PROPERTIES COMPANY, US

[85] 2019-02-05

[86] 2017-08-04 (PCT/US2017/045492)

[87] (WO2018/031403)

[30] US (62/372,156) 2016-08-08

[30] US (62/374,040) 2016-08-12

[21] **3,033,070**
[13] A1

[51] **Int.Cl. B65D 81/28 (2006.01) B65D 65/46 (2006.01) C09D 105/06 (2006.01) C09D 189/00 (2006.01)**

[25] EN

[54] **GELATIN OR PECTIN BASED ANTIMICROBIAL SURFACE COATING MATERIAL**

[54] **MATIERE DE REVETEMENT DE SURFACE ANTIMICROBIENNE A BASE DE GELATINE OU DE PECTINE**

[72] SAHIN, FIKRETTIN, TR

[72] IYIGUNDOGDU, ZEYNEP, TR

[72] DEMIR, OKAN, TR

[72] GULERIM, MERVE, TR

[72] ARGIN, SANEM, TR

[71] YEDITEPE UNIVERSITESI, TR

[85] 2019-02-05

[86] 2017-07-14 (PCT/TR2017/050321)

[87] (WO2018/063118)

[30] TR (2016/10999) 2016-08-05

[21] **3,033,072**
[13] A1

[51] **Int.Cl. A01N 63/02 (2006.01) A01N 63/04 (2006.01) C05F 11/08 (2006.01) C12N 1/20 (2006.01)**

[25] EN

[54] **DEFINED MICROBIAL COMPOSITIONS**

[54] **COMPOSITIONS MICROBIENNES DEFINIES**

[72] KENDIRGI, FREDERIC, US

[72] LIU, XING LIANG, US

[72] WAGNER, D. RY, US

[72] YOON, SUNG-YONG H., US

[71] AGRINOS AS, NO

[85] 2019-02-05

[86] 2017-08-30 (PCT/US2017/049326)

[87] (WO2018/045004)

[30] US (62/381,441) 2016-08-30

[21] **3,033,073**
[13] A1

[51] **Int.Cl. A61F 9/008 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR PREDICTION OF POST-OPERATIVE PERCEIVED IRIS COLOR**

[54] **PROCEDE ET APPAREIL DE PREDICTION D'UNE COULEUR D'IRIS PERCUE POST-OPERATOIRE**

[72] HOMER, GREGG, US

[71] STROMA MEDICAL CORPORATION, US

[85] 2019-02-05

[86] 2017-08-16 (PCT/GB2017/052410)

[87] (WO2018/033727)

[30] IB (PCT/IB2016/054907) 2016-08-16

[21] **3,033,074**
[13] A1

[51] **Int.Cl. B64C 39/02 (2006.01)**

[25] EN

[54] **UNMANNED VEHICLE FOR ROPE TRANSFER**

[54] **VEHICULE SANS PILOTE POUR LE TRANSFERT DE CORDE**

[72] KONOBEVSKI, KIRIL, NO

[72] CALLAWAY, MARK, NO

[72] TENOVUO, KARNO, FI

[72] MATVEEV, ALEXEY, NO

[72] NORMAN, JUSTIN, GB

[71] ROLLS-ROYCE MARINE AS, NO

[85] 2019-02-05

[86] 2017-08-04 (PCT/NO2017/000020)

[87] (WO2018/026285)

[30] NO (20161271) 2016-08-05

Demandes PCT entrant en phase nationale

[21] **3,033,075**
[13] A1

[51] **Int.Cl. F25J 1/00 (2006.01) F25J 1/02 (2006.01) F25J 3/04 (2006.01)**

[25] EN

[54] **METHOD FOR LIQUEFACTION OF INDUSTRIAL GAS BY INTEGRATION OF METHANOL PLANT AND AIR SEPARATION UNIT**

[54] **PROCEDE DE LIQUEFACTION DE GAZ INDUSTRIEL PAR INTEGRATION D'UNE INSTALLATION DE PRODUCTION DE METHANOL ET D'UNE UNITE DE SEPARATION D'AIR**

[72] GUILLARD, ALAIN, US
[72] TURNEY, MICHAEL A., US
[72] ROESCH, ALEXANDER, US

[71] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR

[85] 2019-02-05
[86] 2017-08-04 (PCT/US2017/045544)
[87] (WO2018/027152)
[30] US (62/371,497) 2016-08-05
[30] US (15/414,142) 2017-01-24

[21] **3,033,076**
[13] A1

[51] **Int.Cl. F25J 1/00 (2006.01) F25J 1/02 (2006.01) F25J 3/04 (2006.01)**

[25] EN

[54] **METHOD FOR LIQUEFACTION OF INDUSTRIAL GAS BY INTEGRATION OF METHANOL PLANT AND AIR SEPARATION UNIT**

[54] **PROCEDE DE LIQUEFACTION DE GAZ INDUSTRIEL PAR INTEGRATION D'UNE INSTALLATION DE PRODUCTION DE METHANOL ET D'UNE UNITE DE SEPARATION D'AIR**

[72] GUILLARD, ALAIN, US
[72] TURNEY, MICHAEL A., US
[72] ROESCH, ALEXANDER, US

[71] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR

[85] 2019-02-05
[86] 2017-08-04 (PCT/US2017/045537)
[87] (WO2018/027150)
[30] US (62/371,497) 2016-08-05
[30] US (15/414,118) 2017-01-24

[21] **3,033,077**
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/517 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **ALPHA AND GAMMA-D POLYGLUTAMATED ANTIFOLATES AND USES THEREOF**

[54] **ANTIFOLATES ALPHA ET GAMMA-D DE POLYGLUTAMATES ET LEURS UTILISATIONS**

[72] NIYIKIZA, CLET, US
[72] MOYO, VICTOR MANDLA, US
[71] L.E.A.F. HOLDINGS GROUP LLC, US

[85] 2019-02-05
[86] 2017-08-12 (PCT/US2017/046666)
[87] (WO2018/031979)
[30] US (62/374,458) 2016-08-12
[30] US (15/675,695) 2017-08-11
[30] US (15/675,701) 2017-08-11

[21] **3,033,078**
[13] A1

[51] **Int.Cl. F16B 39/12 (2006.01) F16B 39/282 (2006.01) F16B 39/284 (2006.01) F16B 39/32 (2006.01) F16B 39/34 (2006.01) F16B 39/36 (2006.01)**

[25] EN

[54] **LOCKING MECHANISMS WITH DEFLECTABLE WASHER MEMBERS**

[54] **MECANISMES DE VERROUILLAGE AVEC ELEMENTS A RONDELLE DEFORMABLE**

[72] FURU-SZEKELY, ZOLTAN KALMAN, US
[72] HESS, HAROLD, US
[71] ENDURALOCK, LLC, US

[85] 2019-02-05
[86] 2016-09-07 (PCT/US2016/050534)
[87] (WO2017/044477)
[30] US (62/215,631) 2015-09-08
[30] US (62/220,867) 2015-09-18

[21] **3,033,079**
[13] A1

[51] **Int.Cl. A61K 31/35 (2006.01) A61K 31/335 (2006.01) A61K 31/352 (2006.01) C07D 311/02 (2006.01) C07D 311/04 (2006.01) C07D 311/22 (2006.01)**

[25] EN

[54] **MACROPHAGES/MICROGLIA IN NEURO-INFLAMMATION ASSOCIATED WITH NEURODEGENERATIVE DISEASES**

[54] **MACROPHAGES/MICROGLIES DANS LA NEURO-INFLAMMATION ASSOCIEE AUX MALADIES NEURODEGENERATIVES**

[72] ELMALEH, DAVID P., US
[72] TANZI, RUDOLPH E., US
[72] SHOUP, TIMOTHY M., US
[72] GRICLUC, ANA, US
[71] THE GENERAL HOSPITAL CORPORATION, US

[85] 2019-02-05
[86] 2017-08-31 (PCT/US2017/049702)
[87] (WO2018/045217)
[30] US (62/382,192) 2016-08-31

[21] **3,033,080**
[13] A1

[51] **Int.Cl. A61F 2/962 (2013.01) A61F 2/95 (2013.01) A61M 25/01 (2006.01)**

[25] EN

[54] **PLIANT MEMBERS FOR RECEIVING AND AIDING IN THE DEPLOYMENT OF VASCULAR PROSTHESES**

[54] **ELEMENTS FLEXIBLES POUR LA RECEPTION ET L'AIDE AU DEPLOIEMENT DE PROTHESES VASCULAIRES**

[72] MOWER, WAYNE, US
[72] ADAMS, MICHAEL, US
[72] ELLER, ZEKE, US
[72] HALL, JOHN, US
[72] CINDRICH, CHRISTOPHER, US
[71] MERIT MEDICAL SYSTEMS, INC., US

[85] 2019-02-05
[86] 2017-09-28 (PCT/US2017/054000)
[87] (WO2018/064325)
[30] US (62/401,628) 2016-09-29

PCT Applications Entering the National Phase

[21] **3,033,081**
[13] A1

[51] **Int.Cl. C03C 25/50 (2006.01)**
[25] EN
[54] **COATED PANEL AND METHOD FOR MANUFACTURING A COATED PANEL**
[54] **PANNEAU REVETU ET SON PROCEDE DE FABRICATION**
[72] DOHRING, DIETER, DE
[72] BIEHLER, MANFRED, DE
[71] XYLO TECHNOLOGIES AG, CH
[85] 2019-02-06
[86] 2016-08-19 (PCT/EP2016/069689)
[87] (WO2018/033215)

[21] **3,033,082**
[13] A1

[51] **Int.Cl. C12N 15/09 (2006.01) C12N 15/10 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **IN VIVO METHODS FOR SELECTING PEPTIDES THAT CROSS THE BLOOD BRAIN BARRIER, RELATED COMPOSITIONS AND METHODS OF USE**
[54] **METHODES IN VIVO POUR SELECTIONNER DES PEPTIDES QUI TRAVERSENT LA BARRIERE HEMATO-ENCEPHALIQUE, COMPOSITIONS APPARENTEES ET PROCEDES D'UTILISATION**
[72] STOCKI, PAWEL, GB
[72] WICHER, KRZYSZTOF BARTLOMIEJ, GB
[72] RUTKOWSKI, JULIA LYNN, US
[72] COMPER, FABRIZIO, GB
[72] DEMYDCHUK, MYKHAYLO, GB
[72] SZARY, JAROSLAW MICHAL, GB
[71] OSSIANIX, INC., US
[85] 2019-02-05
[86] 2017-08-04 (PCT/US2017/045592)
[87] (WO2018/031424)
[30] US (62/371,727) 2016-08-06
[30] US (62/415,631) 2016-11-01

[21] **3,033,083**
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/517 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **POLYGLUTAMATED ANTIFOLATES AND USES THEREOF**
[54] **ANTIFOLATES DE POLYGLUTAMATES ET LEURS UTILISATIONS.**
[72] NIYIKIZA, CLET, US
[72] MOYO, VICTOR MANDLA, US
[71] L.E.A.F. HOLDINGS GROUP LLC, US
[85] 2019-02-05
[86] 2017-08-12 (PCT/US2017/046667)
[87] (WO2018/031980)
[30] US (62/374,458) 2016-08-12
[30] US (15/675,695) 2017-08-11
[30] US (15/675,701) 2017-08-11

[21] **3,033,084**
[13] A1

[51] **Int.Cl. A61B 17/128 (2006.01) A61B 17/00 (2006.01) A61B 17/122 (2006.01)**
[25] EN
[54] **COMPRESSIVE COUPLER FOR RELOADABLE HEMOSTASIS CLIPPING DEVICE**
[54] **COUPLEUR A COMPRESSION POUR DISPOSITIF DE PINCE HEMOSTATIQUE RECHARGEABLE**
[72] KING, JOSEPH W., US
[72] RYAN, SHAWN, US
[72] LEHTINEN, LAURIE A., US
[72] CONGDON, DANIEL, US
[72] ESTEVEZ, RAMON, US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2019-02-05
[86] 2017-12-05 (PCT/US2017/064742)
[87] (WO2018/106710)
[30] US (62/430,453) 2016-12-06

[21] **3,033,085**
[13] A1

[51] **Int.Cl. F28D 7/00 (2006.01) F28D 7/08 (2006.01) F28D 7/16 (2006.01) F28F 1/04 (2006.01) F28F 17/00 (2006.01)**
[25] EN
[54] **SOLID-STATE HEAT EXCHANGER MODULE**
[54] **MODULE ECHANGEUR DE CHALEUR POUR SOLIDES**
[72] DALLMANN, WINFRIED, DE
[71] DALLMANN ENGINEERING & SERVICE, DE
[85] 2019-02-06
[86] 2017-08-01 (PCT/EP2017/069466)
[87] (WO2018/033386)
[30] EP (16184132.5) 2016-08-14

[21] **3,033,086**
[13] A1

[51] **Int.Cl. A61M 15/06 (2006.01) A24F 47/00 (2006.01) A61M 11/04 (2006.01) A61M 16/00 (2006.01)**
[25] EN
[54] **ANEMOMETRIC-ASSISTED CONTROL OF A VAPORIZER**
[54] **COMMANDE ASSISTEE PAR ANEMOMETRIE D'UN VAPORISATEUR**
[72] ATKINS, ARIEL, US
[72] BOWEN, ADAM, US
[72] GOULD, ALEXANDER J., US
[71] JUUL LABS, INC., US
[85] 2019-02-05
[86] 2017-08-04 (PCT/US2017/045616)
[87] (WO2018/027189)
[30] US (62/371,463) 2016-08-05

[21] **3,033,087**
[13] A1

[51] **Int.Cl. C10M 159/02 (2006.01)**
[25] EN
[54] **NATURAL ANTIOXIDANTS DERIVED FROM LIGNIN**
[54] **ANTIOXYDANTS NATURELS DERIVES DE LA LIGNINE**
[72] REINER, VIRGINIA M., US
[72] BRABEZ, NABILA, US
[72] MABON, ROSS, US
[72] WITTRIG, ASHLEY M., US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2019-02-05
[86] 2017-08-14 (PCT/US2017/046688)
[87] (WO2018/048577)
[30] US (62/383,815) 2016-09-06

Demandes PCT entrant en phase nationale

[21] 3,033,088 [13] A1	[21] 3,033,090 [13] A1	[21] 3,033,092 [13] A1
[51] Int.Cl. C10L 3/10 (2006.01) C10G 5/04 (2006.01) C10G 5/06 (2006.01)	[51] Int.Cl. G01N 23/20 (2018.01)	[51] Int.Cl. G01N 21/63 (2006.01) A61K 49/00 (2006.01) G01N 33/68 (2006.01)
[25] EN	[25] EN	[25] EN
[54] METHODS AND CONFIGURATION FOR RETROFITTING NGL PLANT FOR HIGH ETHANE RECOVERY	[54] MOUNTING SYSTEM AND SAMPLE HOLDER FOR X-RAY DIFFRACTION APPARATUS	[54] ACTIVITY-BASED PROBE COMPOUNDS, COMPOSITIONS, AND METHODS OF USE
[54] PROCEDES ET CONFIGURATION POUR READAPTER UNE INSTALLATION DE LGN A LA RECUPERATION D'ETHANE	[54] SYSTEME DE MONTAGE ET PORTE-ECHANTILLON POUR APPAREIL DE DIFFRACTION DE RAYONS X	[54] COMPOSES SONDES PAR ACTIVITE, COMPOSITIONS ET METHODES D'UTILISATION
[72] MAK, JOHN, US	[72] VUKOTIC, VEDRAN NICHOLAS, CA	[72] BOGYO, MATTHEW S., US
[72] DEVONE, SABRINA, US	[72] BOYER, WILLIAM, US	[72] VERDOES, MARTIJN, NL
[72] SHIH, JAMES, US	[72] BELASSEL, MOHAMMED, CA	[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[72] GRAHAM, CURT, US	[72] ISKRA, ALEC, CA	[85] 2019-02-05
[71] FLUOR TECHNOLOGIES CORPORATION, US	[71] PROTO MANUFACTURING LTD., CA	[86] 2017-12-23 (PCT/US2017/068375)
[85] 2019-02-05	[85] 2019-02-06	[87] (WO2018/119476)
[86] 2017-09-08 (PCT/US2017/050636)	[86] 2017-08-10 (PCT/CA2017/050947)	[30] US (62/438,959) 2016-12-23
[87] (WO2018/049128)	[87] (WO2018/027321)	
[30] US (62/385,748) 2016-09-09	[30] US (62/372,930) 2016-08-10	
[30] US (62/489,234) 2017-04-24		
[21] 3,033,089 [13] A1	[21] 3,033,091 [13] A1	[21] 3,033,094 [13] A1
[51] Int.Cl. G01R 31/08 (2006.01)	[51] Int.Cl. A61B 17/72 (2006.01) A61B 17/16 (2006.01) A61B 17/88 (2006.01) A61B 17/92 (2006.01)	[51] Int.Cl. G01N 33/68 (2006.01) G01N 33/74 (2006.01)
[25] EN	[25] EN	[25] EN
[54] IMPROVEMENTS IN OR RELATING TO LOCATING FAULTS IN POWER TRANSMISSION CONDUITS	[54] IMPLANT AND METHOD FOR LONG BONE FIXATION	[54] HISTONES AND/OR PROADM AS MARKERS INDICATING AN ADVERSE EVENT
[54] PERFECTIONNEMENTS APPORTES OU SE RAPPORTANT A LA LOCALISATION DE DEFAUTS DANS DES CONDUITS DE TRANSMISSION DE PUISSANCE	[54] IMPLANT ET METHODE DE FIXATION D'OS LONGS	[54] UTILISATION D'HISTONES ET/OU DE LA PROADM COMME MARQUEURS INDICATEURS D'UN EVENEMENT INDESIRABLE
[72] HA, HENGXU, GB	[72] HUSTEDT, JOSHUA, US	[72] ZIERA, TIM, DE
[72] SRI GOPALA KRISHNA MURTHI, SANKARA, GB	[72] ARNOLD, BENJAMIN, US	[72] SCHONICHEN, ANDRE, US
[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH	[72] BOWMAN, BRIAN, US	[72] INCAMPS, ANNE, FR
[85] 2019-02-06	[72] PENA, KRISTEN, US	[72] KROP, MANNE, DE
[86] 2017-08-08 (PCT/EP2017/070080)	[71] MEDULOC, LLC, US	[72] CURDT, INGO, DE
[87] (WO2018/033436)	[85] 2019-02-05	[72] CHARLES, PIERRE-EMMANUEL, FR
[30] EP (16184529.2) 2016-08-17	[86] 2017-09-08 (PCT/US2017/050781)	[71] B.R.A.H.M.S GMBH, DE
	[87] (WO2018/049232)	[85] 2019-02-06
	[30] US (62/385,044) 2016-09-08	[86] 2017-08-08 (PCT/EP2017/070112)
	[30] US (62/450,700) 2017-01-26	[87] (WO2018/029214)
		[30] EP (16183391.8) 2016-08-09

PCT Applications Entering the National Phase

[21] **3,033,095**
[13] A1

[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ENHANCED ORGANIZATIONAL TRANSPARENCY USING A CREDIT CHAIN**

[54] **SYSTEMES ET PROCEDES DE TRANSPARENCE ORGANISATIONNELLE RENFORCEE AU MOYEN D'UNE CHAINE DE CREDIT**

[72] VIEIRA, JOE, US
[72] LEE, KAM SAT, US
[72] PINGALI, MURALI, US
[72] CORNELL, MICHAEL, US
[72] SHETTY, SURESH, US
[72] FALAH, SAMER, US
[72] SAMBHAR, ANKUR, US
[71] JPMORGAN CHASE BANK, N.A., US
[85] 2019-02-05
[86] 2017-08-07 (PCT/US2017/045699)
[87] (WO2018/031451)
[30] US (15/234,263) 2016-08-11

[21] **3,033,096**
[13] A1

[51] **Int.Cl. F16H 7/08 (2006.01) F16H 7/12 (2006.01)**

[25] EN
[54] **TENSIONER**

[54] **TENDEUR**

[72] DEC, ANDRZEJ, US
[71] GATES CORPORATION, US
[85] 2019-02-05
[86] 2018-06-15 (PCT/US2018/037841)
[87] (WO2018/232295)
[30] US (15/625,635) 2017-06-16
[30] US (15/792,258) 2017-10-24

[21] **3,033,097**
[13] A1

[51] **Int.Cl. F01K 3/00 (2006.01) F01K 3/12 (2006.01)**

[25] EN
[54] **METHOD FOR STORING ENERGY AND FOR DISPENSING ENERGY INTO AN ENERGY SUPPLY GRID, PRESSURIZED GAS STORAGE POWER PLANT AND COMPUTER PROGRAM**

[54] **PROCEDE DE STOCKAGE D'ENERGIE ET DE RESTITUTION D'ENERGIE DANS UN RESEAU D'ALIMENTATION EN ENERGIE, CENTRALE ELECTRIQUE A STOCKAGE DE GAZ SOUS PRESSION ET PROGRAMME INFORMATIQUE**

[72] LITTMANN, WOLFGANG, DE
[71] ERNEO ENERGIESPEICHERSYSTEME GMBH, DE

[85] 2019-02-06
[86] 2017-08-08 (PCT/EP2017/070085)
[87] (WO2018/033437)
[30] DE (10 2016 115 421.0) 2016-08-19

[21] **3,033,098**
[13] A1

[51] **Int.Cl. A63B 23/00 (2006.01) A61H 1/00 (2006.01) A63B 26/00 (2006.01)**

[25] EN
[54] **NATURAL ASSIST SIMULATED GAIT THERAPY ADJUSTMENT SYSTEM**

[54] **SYSTEME D'AJUSTEMENT POUR THERAPIE DE LA MARCHE NATURELLE A ASSISTANCE SIMULEE**

[72] THOLKES, ALAN, US
[72] DANDURAND, DUWAYNE, US
[71] ALT INNOVATIONS LLC, US
[85] 2019-02-05
[86] 2017-08-14 (PCT/US2017/046788)
[87] (WO2018/032007)
[30] US (62/374,383) 2016-08-12

[21] **3,033,099**
[13] A1

[51] **Int.Cl. G06F 3/14 (2006.01) G06F 3/044 (2006.01) G06F 3/048 (2013.01) G06F 3/16 (2006.01) G09G 5/12 (2006.01)**

[25] EN
[54] **SYSTEMS AND METHODS FOR A SUPPLEMENTAL DISPLAY SCREEN**

[54] **SYSTEMES ET PROCEDES POUR UN ECRAN D'AFFICHAGE SUPPLEMENTAIRE**

[72] MORGAN, BRENT FOSTER, US
[71] MORGAN, BRENT FOSTER, US
[85] 2019-02-05
[86] 2017-08-30 (PCT/US2017/049330)
[87] (WO2018/045005)
[30] US (62/382,878) 2016-09-02
[30] US (15/289,527) 2016-10-10
[30] US (15/645,997) 2017-07-10
[30] US (15/646,001) 2017-07-10

[21] **3,033,100**
[13] A1

[51] **Int.Cl. F16B 19/05 (2006.01) F16B 33/06 (2006.01)**

[25] EN
[54] **FASTENER WITH LUBRICATING RING FOR INTERFERENCE FITTING, AND ASSEMBLY METHOD USING SUCH A FASTENER**

[54] **DISPOSITIF DE FIXATION A ANNEAU LUBRIFIANT POUR AJUSTEMENT SERRE, ET PROCEDE D'ASSEMBLAGE UTILISANT UN TEL DISPOSITIF DE FIXATION**

[72] BERTHOU, ALEXANDRE, FR
[72] VERDIER, FLORENT, FR
[72] PHAM, CHARLES, FR
[71] LISI AEROSPACE, FR
[85] 2019-02-06
[86] 2017-08-14 (PCT/EP2017/070591)
[87] (WO2018/029381)
[30] FR (1657749) 2016-08-12

Demandes PCT entrant en phase nationale

[21] **3,033,101**
[13] A1

[51] **Int.Cl. A41D 13/018 (2006.01) A01G 3/053 (2006.01) A01G 3/06 (2006.01) A01G 23/095 (2006.01) B64C 25/30 (2006.01) B64C 25/56 (2006.01) G05D 1/10 (2006.01)**

[25] EN

[54] **SMART INTERACTIVE AND AUTONOMOUS ROBOTIC PROPERTY MAINTENANCE APPARATUS, SYSTEM AND METHOD**

[54] **APPAREIL, SYSTEME ET PROCEDE DE MAINTENANCE DE PROPRIETE ROBOTIQUE INTERACTIVE ET AUTONOME INTELLIGENTE**

[72] BURDOUCCI, ROMELLO, US
[71] BURDOUCCI, ROMELLO, US
[85] 2019-02-05
[86] 2017-08-07 (PCT/US2017/045813)
[87] (WO2018/027242)
[30] US (15/230,364) 2016-08-05
[30] US (15/484,105) 2017-04-10

[21] **3,033,102**
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01) G01N 33/74 (2006.01)**

[25] EN

[54] **HISTONES AND/OR PROADM AS MARKERS INDICATING ORGAN DYSFUNCTION**

[54] **HISTONES ET/OU PROADM EN TANT QUE MARQUEURS INDIQUANT UN DYSFONCTIONNEMENT D'ORGANE**

[72] ZIERA, TIM, DE
[72] DREYER, FRAUKE, DE
[72] INCAMPS, ANNE, FR
[72] KROP, MANNE, DE
[72] CHARLES, PIERRE-EMMANUEL, FR
[71] B.R.A.H.M.S GMBH, DE
[85] 2019-02-06
[86] 2017-08-08 (PCT/EP2017/070111)
[87] (WO2018/029213)
[30] EP (16183376.9) 2016-08-09

[21] **3,033,103**
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01) B01L 9/00 (2006.01) C12M 1/32 (2006.01)**

[25] EN

[54] **NETWELL ASSAY PLATE SYSTEM**

[54] **SYSTEME DE PLAQUE A ESSAIS DE PUIITS**

[72] INZE, DIRK GUSTAAF, BE
[72] DHONDT, STIJN, BE
[71] VIB VZW, BE
[71] UNIVERSITEIT GENT, BE
[85] 2019-02-06
[86] 2017-08-17 (PCT/EP2017/070874)
[87] (WO2018/033603)
[30] GB (1614116.0) 2016-08-18

[21] **3,033,104**
[13] A1

[51] **Int.Cl. B62D 55/06 (2006.01)**

[25] EN

[54] **TRACKED ALL-TERRAIN VEHICLE**

[54] **VEHICULE TOUT TERRAIN A CHENILLES**

[72] BORUD, ERIC J., US
[71] POLARIS INDUSTRIES INC., US
[85] 2019-02-05
[86] 2017-08-09 (PCT/US2017/046005)
[87] (WO2018/031606)
[30] US (15/232,209) 2016-08-09

[21] **3,033,105**
[13] A1

[51] **Int.Cl. C07K 19/00 (2006.01) A61K 38/17 (2006.01) A61P 31/00 (2006.01) A61P 33/00 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) A61P 37/04 (2006.01) C12N 15/62 (2006.01)**

[25] EN

[54] **IMMUNE-MODULATING COMPOUNDS**

[54] **COMPOSES DE MODULATION IMMUNITAIRE**

[72] WYKES, MICHELLE, AU
[71] THE COUNCIL OF THE QUEENSLAND INSTITUTE OF MEDICAL RESEARCH, AU
[85] 2019-02-06
[86] 2016-08-11 (PCT/AU2016/050726)
[87] (WO2018/027252)

[21] **3,033,106**
[13] A1

[51] **Int.Cl. H04L 5/00 (2006.01) H04L 27/00 (2006.01)**

[25] EN

[54] **PHASE-NOISE COMPENSATION REFERENCE SIGNAL CONFIGURATION REPORTING AND SIGNALING**

[54] **RAPPORT ET SIGNALISATION DE CONFIGURATION DE SIGNAL DE REFERENCE DE COMPENSATION DE BRUIT DE PHASE**

[72] JOHN WILSON, MAKESH PRAVIN, US
[72] LUO, TAO, US
[72] JIANG, JING, US
[72] SUBRAMANIAN, SUNDAR, US
[72] AKKARAKARAN, SONY, US
[72] MAHARSHI, ATUL, US
[72] MUKKAVILLI, KRISHNA KIRAN, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-02-05
[86] 2017-08-14 (PCT/US2017/046798)
[87] (WO2018/052603)
[30] US (62/394,180) 2016-09-13
[30] US (15/436,531) 2017-02-17

[21] **3,033,107**
[13] A1

[51] **Int.Cl. A21D 13/068 (2017.01) A21D 13/16 (2017.01) A21D 13/19 (2017.01)**

[25] EN

[54] **METHOD FOR FORMING A LAMINATED PASTRY**

[54] **PROCEDE POUR FORMER UNE PÂTISSERIE A BASE DE PÂTE FEUILLETEE**

[72] GEHIN-DELVAL, CECILE, FR
[72] CHISHOLM, HELEN, CH
[72] CHUNG, WOOKYUNG, US
[72] DEYBER, HELENE, FR
[72] DESTRIKATS, MATHIEU JULIEN, CH
[72] GUNES, ZEYNEL DENIZ, CH
[72] PELLOUX, CINDY, FR
[71] NESTEC S.A., CH
[85] 2019-02-06
[86] 2017-08-23 (PCT/EP2017/071203)
[87] (WO2018/041689)
[30] EP (16186767.6) 2016-09-01

PCT Applications Entering the National Phase

[21] **3,033,108**
[13] A1

[51] **Int.Cl. G06F 17/28 (2006.01) G06F 17/27 (2006.01) G10L 15/18 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTEXTUAL RETRIEVAL OF ELECTRONIC RECORDS**
[54] **SYSTEMES ET PROCEDES DE RECUPERATION CONTEXTUELLE DE REGISTRES ELECTRONIQUES**
[72] MOSKWINSKI, MICHAEL, US
[72] FIELDING, ALEX, US
[72] HALL, KEVIN CHRISTOPHER, US
[72] LEMBO, KIMBERLY, US
[71] RIPCORD, INC., US
[85] 2019-02-05
[86] 2017-08-09 (PCT/US2017/046096)
[87] (WO2018/031656)
[30] US (62/372,565) 2016-08-09
[30] US (62/372,577) 2016-08-09
[30] US (62/372,571) 2016-08-09

[21] **3,033,109**
[13] A1

[51] **Int.Cl. G10L 15/183 (2013.01)**
[25] EN
[54] **WORD FLOW ANNOTATION**
[54] **ANNOTATION DE FLUX DE MOTS**
[72] SOMMERS, JEFFREY, US
[72] DEVINE, JENNIFER M.R., US
[72] SEUCK, JOSEPH WAYNE, US
[72] KAEHLER, ADRIAN, US
[71] MAGIC LEAP, INC., US
[85] 2019-02-05
[86] 2017-08-10 (PCT/US2017/046251)
[87] (WO2018/031745)
[30] US (62/374,183) 2016-08-12

[21] **3,033,110**
[13] A1

[51] **Int.Cl. A47B 57/06 (2006.01) A47B 57/26 (2006.01) A47B 57/30 (2006.01) A47B 57/54 (2006.01) A47B 96/06 (2006.01) F16B 2/02 (2006.01) F16B 9/02 (2006.01) F16B 12/20 (2006.01) F16B 12/32 (2006.01)**
[25] EN
[54] **SHELVING SYSTEM AND BRACKET**
[54] **SYSTEME DE RAYONNAGE ET SUPPORT**
[72] COOPER, DAVID JAMES, AU
[72] WEE, JOO HO DUANE, AU
[71] COOPER, DAVID JAMES, AU
[71] WEE, JOO HO DUANE, AU
[85] 2019-02-06
[86] 2017-08-07 (PCT/AU2017/050830)
[87] (WO2018/027263)
[30] AU (2016903131) 2016-08-09

[21] **3,033,111**
[13] A1

[51] **Int.Cl. H04L 29/08 (2006.01)**
[25] EN
[54] **DISTRIBUTED NETWORK SECURITY SYSTEM PROVIDING ISOLATION OF CUSTOMER DATA**
[54] **SYSTEME DE SECURITE DE RESEAU REPARTI ASSURANT L'ISOLATION DE DONNEES DE CONSOMMATEURS**
[72] MARTINI, PAUL MICHAEL, US
[71] IBOSS, INC., US
[85] 2019-02-05
[86] 2017-08-10 (PCT/US2017/046365)
[87] (WO2018/031817)
[30] US (15/233,894) 2016-08-10

[21] **3,033,112**
[13] A1

[51] **Int.Cl. F24D 10/00 (2006.01) F24D 11/02 (2006.01)**
[25] EN
[54] **ENERGY DISTRIBUTING SYSTEM**
[54] **SYSTEME DE DISTRIBUTION D'ENERGIE**
[72] ROSENQVIST, FREDRIK, SE
[71] E.ON SVERIGE AB, SE
[85] 2019-02-06
[86] 2017-09-14 (PCT/EP2017/073151)
[87] (WO2018/054757)
[30] EP (16189586.7) 2016-09-20

[21] **3,033,114**
[13] A1

[51] **Int.Cl. B60D 1/155 (2006.01) B60D 1/01 (2006.01) B60D 1/14 (2006.01) B60D 1/54 (2006.01)**
[25] EN
[54] **A RECOVERY TOW HITCH ASSEMBLY**
[54] **ENSEMBLE ATTELAGE DE REMORQUAGE**
[72] BLACKWELL, SHANE, AU
[71] BLACKWELL, SHANE, AU
[85] 2019-02-06
[86] 2017-08-11 (PCT/AU2017/050849)
[87] (WO2018/027277)
[30] AU (2016903157) 2016-08-11

[21] **3,033,115**
[13] A1

[51] **Int.Cl. C07K 14/47 (2006.01)**
[25] EN
[54] **NOVEL PEPTIDES AND SCAFFOLDS FOR USE IN IMMUNOTHERAPY AGAINST HEAD AND NECK SQUAMOUS CELL CARCINOMA AND OTHER CANCERS**
[54] **NOUVEAUX PEPTIDES ET ECHAFAUDAGES DESTINES A ETRE UTILISES EN IMMUNOTHERAPIE CONTRE LE CARCINOME A CELLULES SQUAMEUSES DE LA TETE ET DU COU ET D'AUTRES CANCERS**
[72] MAHR, ANDREA, DE
[72] WEINSCHENK, TONI, DE
[72] WIEBE, ANITA, DE
[72] SONG, COLETTE, DE
[72] SCHOOR, OLIVER, DE
[72] FRITSCHKE, JENS, DE
[72] SINGH, HARPREET, DE
[71] IMMATICS BIOTECHNOLOGIES GMBH, DE
[85] 2019-02-06
[86] 2017-08-24 (PCT/EP2017/071347)
[87] (WO2018/037085)
[30] DE (10 2016 115 974.3) 2016-08-26
[30] US (62/379,864) 2016-08-26

Demandes PCT entrant en phase nationale

[21] **3,033,116**
[13] A1

[51] **Int.Cl. C08F 2/00 (2006.01) B01J 19/00 (2006.01) C08F 2/01 (2006.01) C08F 2/12 (2006.01) C08F 2/18 (2006.01) C08J 5/18 (2006.01) C08L 23/04 (2006.01) C08L 23/06 (2006.01)**

[25] EN

[54] **HIGH PERFORMANCES MULTIMODAL ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE**

[54] **POLYETHYLENE MULTIMODAL HAUTE PERFORMANCE A POIDS MOLECULAIRE ULTRA ELEVE**

[72] JARUMANEEROJ, CHATCHAI, TH

[72] TRASILANUN, SARANYA, TH

[72] CHEEVASRIRUNGRUANG, WATCHAREE, TH

[72] TIYAPIBOONCHAIYA, PIYAWAN, TH

[71] THAI POLYETHYLENE CO., LTD., TH

[71] SCG CHEMICALS CO., LTD., TH

[85] 2019-02-06

[86] 2017-09-11 (PCT/EP2017/072685)

[87] (WO2018/046712)

[30] EP (16188347.5) 2016-09-12

[21] **3,033,117**
[13] A1

[51] **Int.Cl. A01K 67/033 (2006.01)**

[25] EN

[54] **THE TECHNOLOGICAL LINE FOR REARING OR BREEDING OF INSECTS, THE MODULAR SYSTEM OF TECHNOLOGICAL LINES, THE METHOD AND USE THEREOF**

[54] **LIGNE TECHNOLOGIQUE PERMETTANT D'ELEVER OU DE FAIRE REPRODUIRE DES INSECTES, SYSTEME MODULAIRE DE LIGNES TECHNOLOGIQUES, PROCEDE ET UTILISATION ASSOCIES**

[72] URBANSKI, JAKUB, PL

[72] JOZEFIAK, DAMIAN, PL

[72] MAZURKIEWICZ, JAN, PL

[71] HIPROMINE S.A., PL

[85] 2019-02-06

[86] 2017-08-07 (PCT/IB2017/054828)

[87] (WO2018/029597)

[30] PL (P.418244) 2016-08-09

[21] **3,033,118**
[13] A1

[51] **Int.Cl. G06F 3/0489 (2013.01) G06F 3/0482 (2013.01) G06F 3/0488 (2013.01)**

[25] EN

[54] **SMART TOUCH CONTACT TACTILE INTELLIGENT**

[72] MAIER, FERDINAND, AT

[71] FM MARKETING GMBH, AT

[85] 2019-02-06

[86] 2017-08-31 (PCT/EP2017/071907)

[87] (WO2018/046389)

[30] DE (10 2016 010 920.3) 2016-09-08

[21] **3,033,119**
[13] A1

[51] **Int.Cl. F25B 17/08 (2006.01) F25D 11/00 (2006.01) F25D 11/02 (2006.01)**

[25] EN

[54] **TRANSPORT CONTAINER RECIPIENT DE TRANSPORT**

[72] ROS, NICO, CH

[71] REP IP AG, CH

[85] 2019-02-06

[86] 2017-08-09 (PCT/IB2017/000941)

[87] (WO2018/029522)

[30] AT (A 368/2016) 2016-08-09

[21] **3,033,120**
[13] A1

[51] **Int.Cl. A47J 31/36 (2006.01) A47J 31/52 (2006.01)**

[25] EN

[54] **BEVERAGE MACHINE WITH ERGONOMIC HANDLING MACHINE DE PREPARATION DE BOISSONS A MANIPULATION ERGONOMIQUE**

[72] GUYON, BERTRAND, FR

[72] MAGATTI, MARCO, CH

[71] NESTEC S.A., CH

[85] 2019-02-06

[86] 2017-09-01 (PCT/EP2017/071969)

[87] (WO2018/046400)

[30] EP (16188069.5) 2016-09-09

[21] **3,033,121**
[13] A1

[51] **Int.Cl. F27D 1/00 (2006.01) B22C 1/00 (2006.01) B22C 1/04 (2006.01) B22C 3/00 (2006.01) B22D 41/02 (2006.01) C23C 28/04 (2006.01) F27B 14/08 (2006.01) F27B 14/10 (2006.01) F27D 1/16 (2006.01)**

[25] EN

[54] **METALLURGICAL VESSEL LINING WITH ENCLOSED METAL LAYER**

[54] **REVETEMENT DE RECIPIENT METALLURGIQUE DOTE D'UNE COUCHE METALLIQUE ENFERMEE**

[72] JANSSEN, DOMINIQUE (DECEASED), US

[72] SIMOES, JOSE, PT

[72] MADDALENA, ROGER, US

[72] MOHANTY, BEDA, US

[71] VESUVIUS USA CORPORATION, US

[85] 2019-02-05

[86] 2017-08-16 (PCT/US2017/047049)

[87] (WO2018/038983)

[30] US (62/378,706) 2016-08-24

[21] **3,033,122**
[13] A1

[51] **Int.Cl. C25B 3/00 (2006.01) C07D 317/36 (2006.01) C25B 11/04 (2006.01) C25B 15/08 (2006.01)**

[25] EN

[54] **ELECTROCHEMICAL CARBON DIOXIDE UTILIZATION UTILISATION ELECTROCHIMIQUE DU DIOXYDE DE CARBONE**

[72] KIRK, DONALD, CA

[72] HOE, HUI HUANG, CA

[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA

[85] 2019-02-06

[86] 2017-08-11 (PCT/CA2017/050948)

[87] (WO2018/027322)

[30] US (62/374,124) 2016-08-12

PCT Applications Entering the National Phase

[21] **3,033,123**
[13] A1

[51] **Int.Cl. B64C 39/02 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING UNMANNED AERIAL VEHICLES**
[54] **PROCEDE PERMETTANT DE COMMANDER DES AERONEFS SANS PILOTE**
[72] BIRCHBAUER, JOSEF ALOIS, AT
[72] HATZL, JURGEN, AT
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2019-02-06
[86] 2017-09-05 (PCT/EP2017/072231)
[87] (WO2018/046492)
[30] EP (16187609.9) 2016-09-07

[21] **3,033,124**
[13] A1

[51] **Int.Cl. B65G 47/24 (2006.01) A01G 7/00 (2006.01) B25J 9/18 (2006.01) B25J 15/00 (2006.01) B25J 19/04 (2006.01)**
[25] EN
[54] **GRIPPER, SYSTEM AND PROCESS FOR GRIPPING, ORIENTING AND HANDLING A BIOLOGICAL HORTICULTURAL OBJECT**
[54] **DISPOSITIF DE PREHENSION, SYSTEME ET PROCEDE DE PREHENSION, D'ORIENTATION ET DE MANIPULATION D'UN OBJET BIOLOGIQUE HORTICOLE**
[72] MOHR, CHRISTOPHER ALLAN DOUGLAS, CA
[72] AVIGAD, GIDEON, CA
[72] NAIDU, JYOTI PRAKASH, CA
[72] MISHRA, RANJAN KUMAR, US
[71] VINELAND RESEARCH AND INNOVATIONS CENTRE INC., CA
[85] 2019-02-06
[86] 2018-05-01 (PCT/CA2018/050515)
[87] (WO2018/201244)
[30] US (62/501,000) 2017-05-03

[21] **3,033,125**
[13] A1

[51] **Int.Cl. C12N 15/63 (2006.01) A61K 48/00 (2006.01) A61P 27/00 (2006.01) C07K 14/075 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TARGETED GENE TRANSFER**
[54] **PROCEDES ET COMPOSITIONS SERVANT AU TRANSFERT DE GENES CIBLES**
[72] WOODARD, KENTON, US
[72] SAMULSKI, RICHARD JUDE, US
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[85] 2019-02-05
[86] 2017-08-16 (PCT/US2017/047123)
[87] (WO2018/035213)
[30] US (62/375,666) 2016-08-16

[21] **3,033,126**
[13] A1

[51] **Int.Cl. B24B 1/00 (2006.01) B24B 5/02 (2006.01) B24B 5/44 (2006.01) B24B 41/00 (2006.01) B24B 41/06 (2012.01) B24B 49/00 (2012.01) B24B 55/00 (2006.01)**
[25] EN
[54] **AUTOMATED MACHINING AND WELDING OF RAILWAY CAR PARTS**
[54] **USINAGE ET SOUDAGE AUTOMATISES DE PIECES DE WAGON DE CHEMIN DE FER**
[72] BERG, THOMAS R., US
[72] CLARK, CHRISTOPHER J., US
[72] HEYDEN, THOMAS J., US
[72] MCGARVEY, KEVIN P., US
[72] FORTIER, MICHAEL, US
[71] STRATO, INC., US
[85] 2019-02-05
[86] 2017-08-17 (PCT/US2017/047327)
[87] (WO2018/039031)
[30] US (15/243,328) 2016-08-22

[21] **3,033,128**
[13] A1

[51] **Int.Cl. G06K 17/00 (2006.01) G06Q 10/08 (2012.01) G06Q 10/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING STOCKING LOCATIONS OF PRODUCTS HAVING MORE THAN ONE STOCKING LOCATION ON A SALES FLOOR**
[54] **SYSTEMES ET PROCEDES POUR DETERMINER DES EMBLEMES DE STOCKAGE DE PRODUITS AYANT PLUS D'UN EMBLEMEMENT DE STOCKAGE SUR UNE SURFACE DE VENTE**
[72] JONES, NICHOLAUS A., US
[72] TAYLOR, ROBERT J., US
[72] JONES, MATTHEW A., US
[72] VASGAARD, AARON J., US
[71] WALMART APOLLO, LLC, US
[85] 2019-02-05
[86] 2017-08-17 (PCT/US2017/047345)
[87] (WO2018/035323)
[30] US (62/377,049) 2016-08-19

[21] **3,033,131**
[13] A1

[51] **Int.Cl. H04W 12/06 (2009.01) H04W 12/04 (2009.01) H04L 29/06 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR DERIVING SECURITY KEYS FOR A CELLULAR NETWORK BASED ON PERFORMANCE OF AN EXTENSIBLE AUTHENTICATION PROTOCOL (EAP) PROCEDURE**
[54] **TECHNIQUES DE PRODUCTION DE CLES DE SECURITE POUR UN RESEAU CELLULAIRE SUR LA BASE DE LA REALISATION D'UNE PROCEDURE DE PROTOCOLE D'AUTHEMIFICATION EXTENSIBLE (EAP)**
[72] LEE, SOO BUM, US
[72] PALANIGOUNDER, ANAND, US
[72] ESCOTT, ADRIAN EDWARD, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-02-05
[86] 2017-08-17 (PCT/US2017/047355)
[87] (WO2018/052640)
[30] US (62/396,791) 2016-09-19
[30] US (15/489,670) 2017-04-17

Demandes PCT entrant en phase nationale

[21] **3,033,132**
[13] A1

[51] **Int.Cl. A61K 8/99 (2017.01) A61K 8/9728 (2017.01) A61K 8/9789 (2017.01) A61K 8/19 (2006.01) A61K 8/36 (2006.01) A61K 8/66 (2006.01) A61Q 19/08 (2006.01)**

[25] EN

[54] **TOPICAL COMPOSITION FOR REJUVENATING AND/OR REPAIRING SKIN, METHODS, USES AND KITS THEREOF**

[54] **COMPOSITION TOPIQUE POUR RAJEUNIR ET/OU REPARER LA PEAU, PROCEDES, UTILISATIONS ET KITS ASSOCIES**

[72] FORGET, NATHALIE, CA

[71] DAVINCIA INC., CA

[85] 2019-02-06

[86] 2018-07-27 (PCT/CA2018/050916)

[87] (WO2019/018944)

[30] US (62/538,346) 2017-07-28

[21] **3,033,134**
[13] A1

[51] **Int.Cl. A61B 10/02 (2006.01)**

[25] EN

[54] **METHODS AND APPARATUSES FOR REDUCING THE SOUND PROFILE OF BIOPSY DEVICES**

[54] **PROCEDES ET APPAREILS POUR REDUIRE LE PROFIL SONORE DES DISPOSITIFS DE BIOPSIE**

[72] KRUEGER, JOHN, US

[72] PLISHKA, MICHAEL, US

[72] RETZLAFF, NATHAN, US

[71] MERIT MEDICAL SYSTEMS, INC., US

[85] 2019-02-05

[86] 2017-08-17 (PCT/US2017/047387)

[87] (WO2018/039040)

[30] US (15/244,872) 2016-08-23

[21] **3,033,136**
[13] A1

[51] **Int.Cl. F17C 13/00 (2006.01) A61G 1/00 (2006.01)**

[25] EN

[54] **A GAS CYLINDER MONITORING SYSTEM**

[54] **SYSTEME DE SURVEILLANCE DE BOUTEILLE DE GAZ**

[72] JACOBSEN, BRIAN, GB

[72] PEREZ DE ALEJO, RIGOBERTO, GB

[72] THIND, MANDIP, GB

[71] LINDE AG, DE

[85] 2019-02-06

[86] 2017-09-15 (PCT/EP2017/073339)

[87] (WO2018/050853)

[30] GB (1615749.7) 2016-09-15

[21] **3,033,137**
[13] A1

[51] **Int.Cl. C09K 8/506 (2006.01) C09K 8/035 (2006.01) C09K 8/516 (2006.01)**

[25] EN

[54] **DATE TREE TRUNK-BASED FIBROUS LOSS CIRCULATION MATERIALS**

[54] **COLMATANTS FIBREUX A BASE DE TRONCS DE DATTIERS**

[72] AMANULLAH, MD, SA

[72] RAMASAMY, JOTHIBASU, SA

[71] SAUDI ARABIAN OIL COMPANY, SA

[85] 2019-02-05

[86] 2017-08-22 (PCT/US2017/047877)

[87] (WO2018/044612)

[30] US (62/382,012) 2016-08-31

[30] US (15/658,895) 2017-07-25

[21] **3,033,139**
[13] A1

[51] **Int.Cl. A45B 11/00 (2006.01) A45B 19/00 (2006.01) A45B 23/00 (2006.01)**

[25] FR

[54] **FOLDABLE HEAD-TYPE PARASOL, AND METHOD FOR FOLDING THE HEAD OF SUCH A PARASOL**

[54] **PARASOL DU TYPE A TETE REPLIABLE ET PROCEDE DE PLIAGE DE LA TETE D'UN TEL PARASOL**

[72] AUBRY, XAVIER, FR

[72] JOURDAIN, CYRILLE, FR

[71] AUBRY, XAVIER, FR

[71] JOURDAIN, CYRILLE, FR

[85] 2019-02-06

[86] 2016-11-24 (PCT/FR2016/053080)

[87] (WO2017/089713)

[30] FR (1561412) 2015-11-26

[21] **3,033,140**
[13] A1

[51] **Int.Cl. H01M 4/62 (2006.01) H01M 4/1393 (2010.01) H01M 2/14 (2006.01)**

[25] EN

[54] **DEVICES COMPRISING CARBON-BASED MATERIAL AND FABRICATION THEREOF**

[54] **DISPOSITIFS COMPRENANT UN MATERIAU A BASE DE CARBONE ET FABRICATION ASSOCIEE**

[72] EL-KADY, MAHER F., US

[72] KANER, RICHARD B., US

[72] KOWAL, MATTHEW, US

[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[85] 2019-02-05

[86] 2017-08-28 (PCT/US2017/048883)

[87] (WO2018/044786)

[30] US (62/381,859) 2016-08-31

[21] **3,033,141**
[13] A1

[51] **Int.Cl. B66C 13/18 (2006.01) B66C 13/22 (2006.01) B66C 23/44 (2006.01) F02B 63/04 (2006.01)**

[25] EN

[54] **METHODS AND APPARATUS TO POWER A CRANE ON A WORK TRUCK USING AN ENGINE-POWERED SERVICE PACK**

[54] **PROCEDES ET APPAREIL POUR ALIMENTER UNE GRUE SUR UN CHARIOT DE TRAVAIL A L'AIDE D'UN BLOC DE SERVICES ALIMENTE PAR MOTEUR**

[72] TRINKNER, MICHAEL, US

[72] IHDE, JEFFREY R., US

[72] SCHNEIDER, JOSEPH C., US

[72] JOCHMAN, NATHAN J., US

[72] LENZNER, JEFF, US

[71] ILLINOIS TOOL WORKS INC., US

[85] 2019-02-05

[86] 2017-08-29 (PCT/US2017/049061)

[87] (WO2018/044859)

[30] US (62/381,537) 2016-08-30

[30] US (15/687,985) 2017-08-28

PCT Applications Entering the National Phase

[21] **3,033,142**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4375 (2006.01) A61P 3/04 (2006.01) A61P 25/00 (2006.01) A61P 25/30 (2006.01) A61P 25/34 (2006.01)**

[25] EN

[54] **5-HT2C RECEPTOR AGONISTS AND COMPOSITIONS AND METHODS OF USE**

[54] **AGONISTES DES RECEPTEURS 5-HT2C, COMPOSITIONS ET METHODES D'UTILISATION**

[72] SEMPLE, GRAEME, US
[72] REN, ALBERT S., US
[72] SCHRADER, THOMAS O., US
[72] KASEM, MICHELLE, US
[72] ZHU, XIUWEN, US
[71] ARENA PHARMACEUTICALS, INC., US

[85] 2019-02-05
[86] 2017-08-18 (PCT/US2017/047644)
[87] (WO2018/035477)
[30] US (62/377,119) 2016-08-19

[21] **3,033,143**
[13] A1

[51] **Int.Cl. C07K 14/30 (2006.01) C12N 15/10 (2006.01) C12N 15/31 (2006.01)**

[25] EN

[54] **COMPOSITION FOR PREVENTING AND TREATING MYCOPLASMA HYORHINIS INFECTION, AND METHOD FOR PRODUCING SAID COMPOSITION**

[54] **COMPOSITION POUR LA PREVENTION ET LE TRAITEMENT D'UNE INFECTION PAR LE MYCOPLASMA HYORHINIS, ET PROCEDE DE PRODUCTION DE LADITE COMPOSITION**

[72] LIN, JIUNN-HORNG, CN
[72] CHEN, ZENG-WENG, CN
[72] WANG, JYH-PERNG, CN
[72] HSU, CHIUNG-WEN, CN
[72] HUANG, WENG-ZENG, CN
[72] HSIEH, MING-WEI, CN
[72] PENG, TZU-TING, CN
[72] HSUAN, SHIH-LING, CN
[71] AGRICULTURAL TECHNOLOGY RESEARCH INSTITUTE, CN

[85] 2019-02-06
[86] 2016-08-09 (PCT/CN2016/094104)
[87] (WO2018/027526)

[21] **3,033,144**
[13] A1

[51] **Int.Cl. G06F 9/44 (2018.01)**

[25] EN

[54] **TRACING OBJECTS ACROSS DIFFERENT PARTIES**

[54] **SUIVI D'OBJETS A TRAVERS DIFFERENTES PARTIES**

[72] YAN, YING, CN
[72] CHEN, YANG, CN
[72] MOSCIBRODA, THOMAS, CN
[72] CHANG, ERIC, CN
[72] REN, JINGLEI, CN
[72] CHEN, LIANG, CN
[72] GAO, YANJIE, CN

[71] MICROSOFT TECHNOLOGY LICENSING, LLC., US

[85] 2019-02-06
[86] 2016-09-09 (PCT/CN2016/098610)
[87] (WO2018/045574)

[21] **3,033,145**
[13] A1

[51] **Int.Cl. H04W 16/02 (2009.01) H04L 12/801 (2013.01)**

[25] EN

[54] **DATA CHANNEL SENDING AND RECEIVING METHODS, NETWORK DEVICE, AND TERMINAL**

[54] **PROCEDE D'ENVOI ET DE RECEPTION DE CANAL DE DONNEES, DISPOSITIF DE RESEAU ET TERMINAL**

[72] LYU, YONGXIA, CN
[72] SUN, WEI, CN
[72] GUO, ZHIHENG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN

[85] 2019-02-06
[86] 2017-07-31 (PCT/CN2017/095292)
[87] (WO2018/028456)
[30] CN (201610654618.9) 2016-08-10

[21] **3,033,146**
[13] A1

[51] **Int.Cl. H04W 4/06 (2009.01)**

[25] EN

[54] **INFORMATION CHANGE TRANSMISSION METHOD AND DEVICE FOR SINGLE-CELL MULTICAST SERVICE**

[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION DE CHANGEMENT D'INFORMATIONS DESTINES A UN SERVICE DE MULTIDIFFUSION A CELLULE UNIQUE**

[72] ZHANG, CHONGMING, CN
[72] LIU, RENMAO, CN
[72] YAMADA, SHOHEI, JP
[71] SHARP KABUSHIKI KAISHA, JP
[71] FG INNOVATION COMPANY LIMITED, CN

[85] 2019-02-06
[86] 2017-08-10 (PCT/CN2017/096794)
[87] (WO2018/028631)
[30] CN (201610658544.6) 2016-08-11

[21] **3,033,147**
[13] A1

[51] **Int.Cl. F26B 5/04 (2006.01) H01M 10/058 (2010.01)**

[25] EN

[54] **METHOD OF DRYING ELECTRODE ASSEMBLIES**

[54] **PROCEDE DE SECHAGE D'ENSEMBLES ELECTRODES**

[72] HO, KAM PIU, CN
[72] WANG, RANSHI, CN
[72] SHEN, PEIHUA, CN
[71] GRST INTERNATIONAL LIMITED, CN

[85] 2019-02-06
[86] 2017-09-08 (PCT/CN2017/101068)
[87] (WO2018/054231)
[30] US (15/272,488) 2016-09-22

Demandes PCT entrant en phase nationale

[21] **3,033,148**
[13] A1

[51] **Int.Cl. H04L 9/06 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **A METHOD OF GENERATING A SECURE RECORD OF A CONVERSATION**
[54] **PROCEDE DE GENERATION D'UN ENREGISTREMENT SECURISE D'UNE CONVERSATION**
[72] RUPAREL, KIT, GB
[71] RECORD SURE LIMITED, GB
[85] 2019-02-06
[86] 2017-08-08 (PCT/GB2017/052336)
[87] (WO2018/029464)
[30] GB (1613567.5) 2016-08-08

[21] **3,033,149**
[13] A1

[51] **Int.Cl. B28C 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND PROCESS FOR PRODUCING DRY MIX CONSTRUCTION MATERIALS WITH IMPROVED ENGINEERING PROPERTIES**
[54] **SYSTEME ET PROCEDE DE PRODUCTION DE MATERIAUX DE CONSTRUCTION EN MELANGE SEC POURVU DE PROPRIETES D'INGENIERIE AMELIOREES**
[72] BAWRI, BINOD KUMAR, IN
[71] SAROJ VANIJYA PRIVATE LIMITED, IN
[85] 2019-02-06
[86] 2016-12-28 (PCT/IB2016/058037)
[87] (WO2018/033784)
[30] IN (201631027942) 2016-08-17

[21] **3,033,150**
[13] A1

[51] **Int.Cl. C01F 7/02 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCING AN ALUMINA DISPERSIBLE AT A PH GREATER THAN 8**
[54] **PROCEDE DE PRODUCTION D'UNE ALUMINE DISPERSIBLE A UN PH SUPERIEUR A 8**
[72] HANN, ALLISON L., US
[72] PEOPLES, BRIAN C., US
[71] SASOL (USA) CORPORATION, US
[85] 2019-02-05
[86] 2017-08-11 (PCT/US2017/046598)
[87] (WO2018/044533)
[30] US (62/380,770) 2016-08-29

[21] **3,033,151**
[13] A1

[51] **Int.Cl. C07C 45/52 (2006.01) B01J 23/30 (2006.01) C07B 61/00 (2006.01) C07C 45/29 (2006.01) C07C 47/02 (2006.01) C07C 47/22 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS RELATED TO THE PRODUCTION OF ACRYLONITRILE**
[54] **COMPOSITIONS ET PROCEDES ASSOCIES A LA FABRICATION D'ACRYLONITRILE**
[72] GOYAL, AMIT, US
[72] SAMAD, JADID, US
[71] SOUTHERN RESEARCH INSTITUTE, US
[85] 2019-02-05
[86] 2017-08-15 (PCT/US2017/046905)
[87] (WO2018/038968)
[30] US (15/245,835) 2016-08-24

[21] **3,033,153**
[13] A1

[51] **Int.Cl. E05B 29/00 (2006.01) E05B 19/00 (2006.01)**
[25] EN
[54] **A KEY FOR CONTROLLING A LOCK WITH A CYLINDRICAL PLUG AND A LOCK FOR VALIDATING THIS KEY**
[54] **CLE DE COMMANDE D'UN VERROU A FICHE CYLINDRIQUE ET VERROU DE VALIDATION DE CETTE CLE**
[72] HOLDA, JIRI, CZ
[71] URBANALPS AG, CH
[85] 2019-02-06
[86] 2017-08-21 (PCT/CZ2017/000053)
[87] (WO2018/041277)
[30] CZ (PV 2016-529) 2016-09-01
[30] CZ (PUV 2016-32953) 2016-10-18

[21] **3,033,154**
[13] A1

[51] **Int.Cl. C08J 7/16 (2006.01) C08F 283/12 (2006.01)**
[25] EN
[54] **POLYMER COMPOSITIONS CONTAINING GRAFTED POLYMERIC NETWORKS AND PROCESSES FOR THEIR PREPARATION AND USE**
[54] **COMPOSITIONS POLYMERES CONTENANT DES RESEAUX POLYMERES GREFFES ET LEURS PROCEDES DE PREPARATION ET D'UTILISATION**
[72] AITKEN, BRIAN, US
[72] SCALES, CHARLES, US
[72] JOSLIN, SCOTT, US
[72] ZHANG, YONG, US
[72] SINHA, DOLA, US
[72] MAHADEVAN, SHIVKUMAR, US
[72] MARTIN, PATRICIA, US
[72] LU, FANG, US
[72] DUIS, DONNIE, US
[72] ARNOLD, STEPHEN C., US
[71] JOHNSON & JOHNSON VISION CARE, INC., US
[85] 2019-02-05
[86] 2017-08-01 (PCT/US2017/044912)
[87] (WO2018/026822)
[30] US (62/371,362) 2016-08-05
[30] US (15/656,033) 2017-07-21

PCT Applications Entering the National Phase

[21] **3,033,156**
[13] A1

[51] **Int.Cl. C07D 409/14 (2006.01) A61K 31/4184 (2006.01) A61K 31/422 (2006.01) A61K 31/4245 (2006.01) A61K 31/427 (2006.01) A61K 31/437 (2006.01) A61K 31/4439 (2006.01) A61K 31/497 (2006.01) A61K 31/501 (2006.01) A61K 31/506 (2006.01) A61K 49/00 (2006.01) A61K 51/04 (2006.01) C07D 401/14 (2006.01) C07D 403/06 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) G01N 33/58 (2006.01)**

[25] EN

[54] **SPIROCYCLIC CONTAINING COMPOUNDS AND PHARMACEUTICAL USES THEREOF**

[54] **COMPOSES CONTENANT DES SPIROCYCLIQUES ET LEURS UTILISATIONS PHARMACEUTIQUES**

[72] LAURENT, ALAIN, CA
[72] MORRIS, STEPHEN J., CA
[71] GB005, INC., US
[85] 2019-02-06
[86] 2017-08-16 (PCT/CA2017/050970)
[87] (WO2018/032104)
[30] CA (2,939,286) 2016-08-17
[30] CA (2,959,055) 2017-02-27
[30] CA (2,965,813) 2017-05-02

[21] **3,033,157**
[13] A1

[51] **Int.Cl. A61M 1/00 (2006.01) A61B 10/02 (2006.01)**

[25] EN

[54] **COLLECTION SYSTEM FOR SURGICAL USE**

[54] **SYSTEME DE COLLECTE A USAGE CHIRURGICAL**

[72] WILLARD, GRETCHEN, US
[72] NICHOLS, ELI BREEDEN, US
[72] BLACKBURN, THOMAS RALPH, III, US
[72] MOSLER, THEODORE J., US
[71] TOBRA MEDICAL, INC., US
[85] 2019-02-06
[86] 2016-08-12 (PCT/US2016/046913)
[87] (WO2018/031048)

[21] **3,033,158**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01)**

[25] EN

[54] **ANALOG CONTROL COMPONENT FOR AN AEROSOL DELIVERY DEVICE**

[54] **COMPOSANT DE COMMANDE ANALOGIQUE DESTINE A UN DISPOSITIF D'ADMINISTRATION PAR AEROSOL**

[72] SUR, RAJESH, US
[72] ROGERS, JAMES W., US
[72] SEARS, STEPHEN B., US
[71] RAI STRATEGIC HOLDINGS, INC., US
[85] 2019-02-06
[86] 2017-09-07 (PCT/IB2017/055399)
[87] (WO2018/047095)
[30] US (15/261,336) 2016-09-09

[21] **3,033,159**
[13] A1

[51] **Int.Cl. G06Q 30/06 (2012.01) G06Q 20/32 (2012.01) G06Q 50/10 (2012.01) G06Q 50/00 (2012.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR ACCESSING THIRD-PARTY SERVICES WITHIN APPLICATIONS**

[54] **PROCEDES ET SYSTEMES POUR ACCEDER A DES SERVICES TIERS DANS DES APPLICATIONS**

[72] CHENG, DEREK CHIRK YIN, US
[72] ANAND, KARANDEEP, US
[72] O'NEIL, EDWARD KENNETH, US
[72] PAN, CHRISTOPHER CHUN-NING, US
[72] LI, MING FEL, US
[72] WIESE, SEAN, US
[72] AHUJA, PRAKASH, US
[71] FACEBOOK, INC., US
[85] 2019-02-06
[86] 2016-08-16 (PCT/US2016/047209)
[87] (WO2018/031049)
[30] US (15/236,342) 2016-08-12

[21] **3,033,160**
[13] A1

[51] **Int.Cl. C09D 167/02 (2006.01)**

[25] EN

[54] **AQUEOUS BASECOATS WITH ENHANCED CIRCULATION LINE STABILITY**

[54] **PEINTURES DE BASE AQUEUSES PRESENTANT UNE STABILITE AMELIOREE DANS LES CONDUITES CIRCULAIRES**

[72] STEINMETZ, BERNHARD, DE
[72] LOEW, NORBERT, DE
[71] BASF COATINGS GMBH, DE
[85] 2019-02-06
[86] 2017-09-13 (PCT/EP2017/072950)
[87] (WO2018/054726)
[30] EP (16190067.5) 2016-09-22

[21] **3,033,161**
[13] A1

[51] **Int.Cl. E21B 47/022 (2012.01) E21B 41/00 (2006.01) E21B 47/024 (2006.01)**

[25] EN

[54] **DIRECTIONAL BUTTON EXCITATION FOR RANGING APPLICATIONS**

[54] **EXCITATION DE BOUTON DIRECTIONNELLE POUR APPLICATIONS DE TELEMETRIE**

[72] DONDERICI, BURKAY, US
[72] GUNER, BARIS, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-02-06
[86] 2016-09-19 (PCT/US2016/052506)
[87] (WO2018/052453)

[21] **3,033,162**
[13] A1

[51] **Int.Cl. A61M 39/04 (2006.01) A61M 39/10 (2006.01) A61M 39/26 (2006.01)**

[25] EN

[54] **Y-CONNECTOR FOR MEDICAL LINES**

[54] **RACCORD EN Y POUR TUYAUX MEDICAUX**

[72] GUALA, GIANNI, IT
[71] INDUSTRIE BORLA S.P.A., IT
[85] 2019-02-06
[86] 2017-12-14 (PCT/IB2017/057944)
[87] (WO2018/109709)
[30] IT (102016000127162) 2016-12-15

Demandes PCT entrant en phase nationale

[21] **3,033,163**
[13] A1

[51] **Int.Cl. E21B 33/13 (2006.01) E21B 33/14 (2006.01) E21B 34/06 (2006.01)**

[25] EN

[54] **SWITCHABLE CROSSOVER TOOL WITH ROTATABLE CHAMBER**

[54] **OUTIL DE CROISEMENT COMMUTABLE A CHAMBRE ROTATIVE**

[72] GAO, BO, US
[72] HELMS, LONNIE CARL, US
[72] GADRE, ANIRUDDHA, US
[72] HU, YUZHU, US
[72] MAKOWIECKI, GARY, US
[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2019-02-06
[86] 2016-09-23 (PCT/US2016/053519)
[87] (WO2018/057009)

[21] **3,033,164**
[13] A1

[51] **Int.Cl. B60W 30/14 (2006.01) B60W 30/182 (2012.01)**

[25] EN

[54] **CONTROL METHOD AND CONTROL DEVICE OF AUTOMATIC DRIVING VEHICLE**

[54] **PROCEDE DE COMMANDE ET DISPOSITIF DE COMMANDE POUR VEHICULES A CONDUITE AUTOMATIQUE**

[72] JANG, HWASEON, JP
[72] SUNDA, TAKASHI, JP
[72] HIRAMATSU, MACHIKO, JP
[71] NISSAN MOTOR CO., LTD., JP

[85] 2019-02-06
[86] 2016-08-08 (PCT/JP2016/073327)
[87] (WO2018/029758)

[21] **3,033,165**
[13] A1

[51] **Int.Cl. B60G 17/052 (2006.01) B60G 17/056 (2006.01)**

[25] EN

[54] **HEAVY-DUTY VEHICLE AIR-RIDE SUSPENSION**

[54] **SUSPENSION PNEUMATIQUE DE VEHICULE UTILITAIRE LOURD**

[72] FULTON, R. SCOTT, US
[71] HENDRICKSON USA, L.L.C., US

[85] 2019-02-06
[86] 2017-07-28 (PCT/US2017/044329)
[87] (WO2018/031256)
[30] US (62/372,462) 2016-08-09

[21] **3,033,166**
[13] A1

[51] **Int.Cl. B01D 11/02 (2006.01) B01D 1/00 (2006.01)**

[25] EN

[54] **MOBILE SUPERCRITICAL EXTRACTOR SYSTEM WITH EVAPORATOR CHAMBER**

[54] **HAVING CONES AND RELATED METHODS**

[54] **SYSTEME EXTRACTEUR SUPERCRITIQUE MOBILE A CHAMBRE D'EVAPORATION MUNIE DE CONES ET PROCEDES ASSOCIES**

[72] PARKER, DAVID L., US
[72] DELARVIN, SCOTT, US
[71] AG EQUIPMENT IP HOLDING COMPANY, INC., US

[85] 2019-02-06
[86] 2017-04-18 (PCT/US2017/028082)
[87] (WO2018/089042)
[30] US (62/421,552) 2016-11-14

[21] **3,033,167**
[13] A1

[51] **Int.Cl. C01C 1/04 (2006.01) C01C 1/08 (2006.01) C12P 3/00 (2006.01) C12P 13/00 (2006.01)**

[25] EN

[54] **AMMONIA SYNTHESIS METHODS AND SYSTEMS**

[54] **PROCEDES ET SYSTEMES DE SYNTHESE D'AMMONIAC**

[72] COLON, BRENDEN CRUZ, US
[72] LIU, CHONG, US
[72] NOCERA, DANIEL G., US
[72] SILVER, PAMELA ANN, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US

[85] 2019-02-06
[86] 2017-06-14 (PCT/US2017/037447)
[87] (WO2018/009315)
[30] US (62/358,710) 2016-07-06

[21] **3,033,168**
[13] A1

[51] **Int.Cl. C08F 290/04 (2006.01) H01M 8/0271 (2016.01) B29C 65/48 (2006.01) C09K 3/10 (2006.01) F16J 15/14 (2006.01) H01M 8/02 (2016.01) H01M 8/10 (2016.01)**

[25] EN

[54] **CURABLE RESIN COMPOSITION, FUEL CELL USING SAME, AND SEALING METHOD USING SAME**

[54] **COMPOSITION DE RESINE DURCISSABLE, PILE A COMBUSTIBLE L'UTILISANT ET PROCEDE D'ETANCHEITE L'UTILISANT**

[72] SOGA, TETSUNORI, JP
[71] THREEBOND CO., LTD., JP

[85] 2019-02-06
[86] 2017-07-21 (PCT/JP2017/026445)
[87] (WO2018/047479)
[30] JP (2016-174050) 2016-09-06

[21] **3,033,169**
[13] A1

[51] **Int.Cl. A63F 13/60 (2014.01) H04N 21/00 (2011.01) H04N 21/4725 (2011.01)**

[25] EN

[54] **DIGITAL MULTIMEDIA PLATFORM**

[54] **PLATE-FORME MULTIMEDIA NUMERIQUE**

[72] TOKGOZ, MEHMET, TR
[71] ABRAKADABRA REKLAM VE YAYINCILIK LIMITED SIRKETI, US

[85] 2019-02-06
[86] 2017-06-30 (PCT/US2017/040494)
[87] (WO2018/006071)
[30] US (62/356,825) 2016-06-30

[21] **3,033,170**
[13] A1

[51] **Int.Cl. H04W 72/02 (2009.01) H04W 72/04 (2009.01) H04W 72/10 (2009.01)**

[25] EN

[54] **USER EQUIPMENT AND COMMUNICATION METHOD**

[54] **DISPOSITIF D'UTILISATEUR, ET PROCEDE DE COMMUNICATION**

[72] YASUKAWA, SHINPEI, JP
[72] TAKEDA, KAZUKI, JP
[72] NAGATA, SATOSHI, JP
[71] NTT DOCOMO, INC., JP

[85] 2019-02-06
[86] 2017-08-08 (PCT/JP2017/028743)
[87] (WO2018/030396)
[30] JP (2016-158266) 2016-08-10

PCT Applications Entering the National Phase

[21] **3,033,171**
[13] A1

[51] **Int.Cl. B01J 37/18 (2006.01) B01J 23/58 (2006.01) B01J 35/10 (2006.01) C01C 1/04 (2006.01)**

[25] EN

[54] **METHOD FOR MANUFACTURING AMMONIA SYNTHESIS CATALYST, AND METHOD FOR MANUFACTURING AMMONIA**

[54] **PROCEDE DE FABRICATION D'UN CATALYSEUR DE SYNTHESE D'AMMONIAC, ET PROCEDE DE FABRICATION D'AMMONIAC**

[72] HOSONO, HIDEO, JP

[72] KITANO, MASAOKI, JP

[72] YOKOYAMA, TOSHIHARU, JP

[72] LI, JIANG, JP

[72] KAWAMURA, SHIGEKI, JP

[72] KISHIDA, KAZUHISA, JP

[71] TOKYO INSTITUTE OF TECHNOLOGY, JP

[71] TSUBAME BHB CO., LTD., JP

[85] 2019-02-06

[86] 2017-08-08 (PCT/JP2017/028739)

[87] (WO2018/030394)

[30] JP (2016-155951) 2016-08-08

[21] **3,033,172**
[13] A1

[51] **Int.Cl. C07H 15/04 (2006.01) C07K 1/14 (2006.01) C07K 14/705 (2006.01)**

[25] EN

[54] **NOVEL BUTANE-TETRAOL-BASED AMPHIPHILIC COMPOUNDS AND USES THEREOF**

[54] **NOUVEAU COMPOSE AMPHIPATHIQUE A BASE DE BUTANE-TETRAOL ET SON UTILISATION**

[72] CHAE, PIL SEOK, KR

[72] DAS, MANABENDRA, KR

[71] INDUSTRY-UNIVERSITY COOPERATION FOUNDATION HANYANG UNIVERSITY ERICA CAMPUS, KR

[85] 2019-02-06

[86] 2017-02-10 (PCT/KR2017/001478)

[87] (WO2018/030602)

[30] KR (10-2016-0101972) 2016-08-10

[21] **3,033,174**
[13] A1

[51] **Int.Cl. C08L 101/00 (2006.01) C08L 23/10 (2006.01) C08L 51/04 (2006.01)**

[25] EN

[54] **THERMOPLASTIC RESIN COMPOSITION HAVING REDUCED IMPACT NOISE AND MOLDED BODY HAVING REDUCED IMPACT NOISE**

[54] **COMPOSITION DE RESINE THERMOPLASTIQUE PRESENTANT UN BRUIT D'IMPACT REDUIT ET CORPS MOULE A BRUIT D'IMPACT REDUIT**

[72] NOMURA, HIROYUKI, JP

[71] TECHNO-UMG CO., LTD., JP

[85] 2019-02-06

[86] 2017-08-08 (PCT/JP2017/028747)

[87] (WO2018/030398)

[30] JP (2016-156694) 2016-08-09

[21] **3,033,175**
[13] A1

[51] **Int.Cl. H02G 7/05 (2006.01) F16L 3/10 (2006.01) F16L 3/22 (2006.01) G02B 6/44 (2006.01)**

[25] EN

[54] **TANDEM TRUNNION CLAMP**

[54] **DISPOSITIF DE SERRAGE DE TOURILLON EN TANDEM**

[72] KRANZ, STEVEN, US

[71] AFL TELECOMMUNICATIONS LLC, US

[85] 2019-02-06

[86] 2017-07-19 (PCT/US2017/042751)

[87] (WO2018/031208)

[30] US (15/235,747) 2016-08-12

[21] **3,033,176**
[13] A1

[51] **Int.Cl. H04N 21/6332 (2011.01) H04N 21/235 (2011.01) H04N 21/435 (2011.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR SIGNALING OF EMERGENCY ALERT MESSAGES**

[54] **SYSTEMES ET PROCEDES POUR LA SIGNALISATION DE MESSAGES D'ALERTE D'URGENCE**

[72] DESHPANDE, SACHIN G., US

[71] SHARP KABUSHIKI KAISHA, JP

[85] 2019-02-06

[86] 2017-07-24 (PCT/JP2017/026701)

[87] (WO2018/030133)

[30] US (62/374,698) 2016-08-12

[30] US (62/400,593) 2016-09-27

[21] **3,033,177**
[13] A1

[51] **Int.Cl. H04L 5/00 (2006.01) H04L 1/00 (2006.01)**

[25] EN

[54] **TECHNIQUES FOR ALLOCATING RESOURCES IN LOW LATENCY WIRELESS COMMUNICATIONS**

[54] **TECHNIQUES D'ATTRIBUTION DE RESSOURCES DANS DES COMMUNICATIONS SANS FIL A FAIBLE LATENCE**

[72] HOSSEINI, SEYEDKIANOUSH, US

[72] CHEN, WANSI, US

[72] GAAL, PETER, US

[72] SUN, JING, US

[72] PATEL, SHIMMAN ARVIND, US

[71] QUALCOMM INCORPORATED, US

[85] 2019-02-06

[86] 2017-07-25 (PCT/US2017/043771)

[87] (WO2018/052535)

[30] US (62/396,070) 2016-09-16

[30] US (15/612,698) 2017-06-02

Demandes PCT entrant en phase nationale

[21] **3,033,178**
[13] A1

[51] **Int.Cl. F02C 7/32 (2006.01) B64D 27/24 (2006.01) F01D 9/06 (2006.01) F01D 15/10 (2006.01) F01D 25/16 (2006.01) F02K 5/00 (2006.01) F04D 25/06 (2006.01)**

[25] EN
[54] **EMBEDDED ELECTRIC MACHINE**
[54] **MACHINE ELECTRIQUE INTEGREE**

[72] KUPISZEWSKI, THOMAS, US
[72] MILLER, BRANDON WAYNE, US
[72] VONDRELL, RANDY M., US
[72] GEMIN, PAUL ROBERT, US
[71] GENERAL ELECTRIC COMPANY, US
[85] 2019-02-06
[86] 2017-08-10 (PCT/US2017/046190)
[87] (WO2018/067231)
[30] US (15/242,811) 2016-08-22

[21] **3,033,179**
[13] A1

[51] **Int.Cl. F25J 1/00 (2006.01)**

[25] EN
[54] **SYSTEM AND METHOD TO INTEGRATE CONDENSED WATER WITH IMPROVED COOLER PERFORMANCE**
[54] **SYSTEME ET PROCEDE D'INTEGRATION D'EAU CONDENSEE A PERFORMANCE DE REFROIDISSEMENT AMELIOREE**

[72] MATHEIDAS, MICHAEL T., US
[72] SIBAL, PAUL W., US
[72] HUNTINGTON, RICHARD A., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2019-02-06
[86] 2017-07-27 (PCT/US2017/044103)
[87] (WO2018/034816)
[30] US (62/375,705) 2016-08-16

[21] **3,033,180**
[13] A1

[51] **Int.Cl. A61K 31/5383 (2006.01) A61P 31/12 (2006.01) A61P 31/16 (2006.01) A61P 43/00 (2006.01)**

[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS CONTAINING SUBSTITUTED POLYCYCLIC PYRIDONE DERIVATIVES AND PRODRUG THEREOF**
[54] **DERIVE DE PYRIDONE POLYCYCLIQUE SUBSTITUE ET COMPOSITION PHARMACEUTIQUE CONTENANT UN PROMEDICAMENT DE CELUI-CI**

[72] KAWAI, MAKOTO, JP
[72] TOMITA, KENJI, JP
[72] AKIYAMA, TOSHIYUKI, JP
[72] OKANO, AZUSA, JP
[72] MIYAGAWA, MASAYOSHI, JP
[71] SHIONOGI & CO., LTD., JP
[85] 2019-02-06
[86] 2017-08-09 (PCT/JP2017/028923)
[87] (WO2018/030463)
[30] JP (2016-157732) 2016-08-10

[21] **3,033,181**
[13] A1

[51] **Int.Cl. D21H 11/14 (2006.01) D21H 17/37 (2006.01) D21H 17/44 (2006.01) D21H 17/45 (2006.01) D21H 17/68 (2006.01) D21H 21/10 (2006.01) D21H 21/18 (2006.01) D21H 21/20 (2006.01)**

[25] EN
[54] **PROCESS FOR MAKING PAPER, PAPERBOARD OR THE LIKE**
[54] **PROCEDE DE FABRICATION DE PAPIER, DE CARTON OU SIMILAIRE**

[72] LEWIS, CHRISTOPHER MICHAEL, US
[72] GARRISI, WILLIAM JAMES, US
[71] KEMIRA OYJ, FI
[85] 2019-02-06
[86] 2016-09-30 (PCT/US2016/054625)
[87] (WO2018/063271)

[21] **3,033,182**
[13] A1

[51] **Int.Cl. H04M 3/42 (2006.01) H04M 1/725 (2006.01)**

[25] EN
[54] **PROVISIONING LOCATION INFORMATION SOURCED INDEPENDENTLY FROM COMMUNICATIONS NETWORK**
[54] **FOURNITURE D'INFORMATIONS DE LOCALISATION PROVENANT DE SOURCES INDEPENDANTES DU RESEAU DE COMMUNICATION**

[72] NELSON, JUSTIN, US
[72] REMACLE, MICHAEL, US
[71] ONVOY SPECTRUM, LLC, US
[85] 2019-02-06
[86] 2017-08-09 (PCT/US2017/046172)
[87] (WO2018/031700)
[30] US (62/372,673) 2016-08-09

[21] **3,033,184**
[13] A1

[51] **Int.Cl. A61K 31/16 (2006.01) C07C 237/48 (2006.01) C07D 333/22 (2006.01)**

[25] EN
[54] **BETA-AMINO-ISOQUINOLINYL AMIDE COMPOUNDS**
[54] **COMPOSES AMIDES BETA-AMINO-ISOQUINOLEINE**

[72] STURDIVANT, JILL M., US
[72] DELONG, MITCHELL A., US
[72] ROYALTY, SUSAN M., US
[71] AERIE PHARMACEUTICALS, INC., US
[85] 2019-02-06
[86] 2017-03-31 (PCT/US2017/025609)
[87] (WO2018/034702)
[30] US (62/377,219) 2016-08-19

PCT Applications Entering the National Phase

[21] **3,033,185**
[13] A1

[51] **Int.Cl. F02K 5/00 (2006.01) F02C 6/20 (2006.01)**
[25] EN
[54] **PROPULSION ENGINE FOR AIRCRAFT**
[54] **MOTEUR DE PROPULSION POUR AERONEF**
[72] NIERGARTH, DANIEL ALAN, US
[72] VONDRELL, RANDY M., US
[72] MILLER, BRANDON WAYNE, US
[72] MARRINAN, PATRICK MICHAEL, US
[72] PASTOUCHENKO, NIKOLAI N., US
[72] CHEUNG, LAWRENCE CHIH-HUI, US
[71] GENERAL ELECTRIC COMPANY, US
[85] 2019-02-06
[86] 2017-08-10 (PCT/US2017/046193)
[87] (WO2018/089067)
[30] US (15/241,157) 2016-08-19

[21] **3,033,186**
[13] A1

[51] **Int.Cl. F01D 9/02 (2006.01) F01D 9/04 (2006.01)**
[25] EN
[54] **STRUT FOR AN AIRCRAFT ENGINE**
[54] **ENTRETOISE POUR UN MOTEUR D'AVION**
[72] KING, DANIEL ELMER, US
[72] CODY, WILLIAM EDWARD, US
[71] GENERAL ELECTRIC COMPANY, US
[85] 2019-02-06
[86] 2017-06-15 (PCT/US2017/037791)
[87] (WO2018/034729)
[30] US (15/236,745) 2016-08-15

[21] **3,033,187**
[13] A1

[51] **Int.Cl. C08B 37/00 (2006.01) A23L 33/125 (2016.01) A61K 31/715 (2006.01) A61P 37/04 (2006.01) A23L 19/00 (2016.01)**
[25] EN
[54] **POLYSACCHARIDE HAVING INNATE IMMUNITY STIMULATING ACTIVITY AND INNATE IMMUNITY STIMULATING AGENT OR FOOD AND DRINK COMPRISING THEREOF**
[54] **POLYSACCHARIDE PRESENTANT UN EFFET IMMUNOSTIMULANT NATUREL ET IMMUNOSTIMULANT NATUREL OU ALIMENT OU BOISSON LE COMPRENANT**
[72] SEKIMIZU, KAZUHISA, JP
[72] URAI, MAKOTO, JP
[71] IMAGINE GLOBAL CARE CORPORATION, JP
[85] 2019-02-06
[86] 2017-08-04 (PCT/JP2017/029237)
[87] (WO2018/030542)
[30] JP (2016-156274) 2016-08-09

[21] **3,033,188**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01) C12N 15/115 (2010.01)**
[25] EN
[54] **TISSUE SPECIFIC MARKERS FOR PREOPERATIVE AND INTRAOPERATIVE LOCALIZATION AND VISUALIZATION OF TISSUE**
[54] **MARQUEURS SPECIFIQUES DE TISSU POUR LOCALISATION PREOPERATOIRE ET PEROPERATOIRE ET VISUALISATION DE TISSU**
[72] DALMA-WEISZHAUSZ, DENNISE, US
[72] VAYSER, ALEX, US
[72] BREDENKAMP, JAMES, US
[71] INVUITY, INC., US
[85] 2019-02-06
[86] 2017-08-11 (PCT/US2017/046514)
[87] (WO2018/031894)
[30] US (62/374,213) 2016-08-12
[30] US (62/528,006) 2017-06-30

[21] **3,033,189**
[13] A1

[51] **Int.Cl. B64D 27/02 (2006.01) B64C 21/06 (2006.01) B64D 33/08 (2006.01)**
[25] EN
[54] **PROPULSION ENGINE FOR AN AIRCRAFT**
[54] **MOTEUR DE PROPULSION POUR AERONEF**
[72] NIERGARTH, DANIEL ALAN, US
[72] VONDRELL, RANDY M., US
[72] MILLER, BRANDON WAYNE, US
[72] MARRINAN, PATRICK MICHAEL, US
[72] CHEUNG, LAWRENCE CHIH-HUI, US
[72] PASTOUCHENKO, NIKOLAI N., US
[71] GENERAL ELECTRIC COMPANY, US
[85] 2019-02-06
[86] 2017-08-16 (PCT/US2017/047109)
[87] (WO2018/035206)
[30] US (15/241,168) 2016-08-19

[21] **3,033,190**
[13] A1

[51] **Int.Cl. F01D 25/18 (2006.01) F02C 7/32 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE WITH EMBEDDED ELECTRIC MACHINE**
[54] **MACHINE ELECTRIQUE INCORPOREE**
[72] KUPISZEWSKI, THOMAS, US
[72] MILLER, BRANDON WAYNE, US
[72] NIERGARTH, DANIEL ALAN, US
[72] VONDRELL, RANDY M., US
[71] GENERAL ELECTRIC COMPANY, US
[85] 2019-02-06
[86] 2017-08-10 (PCT/US2017/046187)
[87] (WO2018/089066)
[30] US (15/242,789) 2016-08-22

Demandes PCT entrant en phase nationale

[21] **3,033,191**
[13] A1

[51] **Int.Cl. E02F 3/85 (2006.01) E02F 3/84 (2006.01) E02F 9/20 (2006.01)**
[25] EN
[54] **CONTROL SYSTEM FOR WORK VEHICLE, CONTROL METHOD, AND WORK VEHICLE**
[54] **SYSTEME DE COMMANDE POUR ENGIN DE CHANTIER, PROCEDE DE COMMANDE ET ENGIN DE CHANTIER**
[72] ISHIBASHI, EIJI, JP
[72] SHIMOJO, TAKAHIRO, JP
[72] INAMARU, AKIFUMI, JP
[72] KAWANO, TOSHIHIRO, JP
[72] YONEZAWA, YASUHIRO, JP
[72] KOGAWA, YOSUKE, JP
[71] KOMATSU LTD., JP
[85] 2019-02-06
[86] 2017-10-25 (PCT/JP2017/038421)
[87] (WO2018/084030)
[30] JP (2016-214482) 2016-11-01

[21] **3,033,192**
[13] A1

[51] **Int.Cl. H01M 2/22 (2006.01) H01M 2/26 (2006.01) H01M 4/64 (2006.01) H01M 4/66 (2006.01)**
[25] EN
[54] **LEAK FREE CURRENT COLLECTOR ASSEMBLAGE FOR METALLURGICAL VESSEL AND METHODS OF MANUFACTURE**
[54] **ASSEMBLAGE DE COLLECTEUR DE COURANT SANS FUITE POUR RECIPIENT METALLURGIQUE ET PROCEDES DE FABRICATION**
[72] HYERS, ROBERT WYATT, US
[71] BOSTON ELECTROMETALLURGICAL CORPORATION, US
[85] 2019-02-06
[86] 2017-08-14 (PCT/US2017/046695)
[87] (WO2018/031984)
[30] US (62/374,690) 2016-08-12

[21] **3,033,193**
[13] A1

[51] **Int.Cl. H02P 23/04 (2006.01)**
[25] EN
[54] **DAMPING SYSTEM FOR A GENERATOR**
[54] **SYSTEME D'AMORTISSEMENT POUR UN GENERATEUR**
[72] WANG, KAIYU, US
[72] GEMIN, PAUL ROBERT, US
[72] WOODBURN, DAVID, US
[71] GE AVIATION SYSTEMS LLC, US
[85] 2019-02-06
[86] 2017-08-10 (PCT/US2017/046303)
[87] (WO2018/038929)
[30] US (15/243,336) 2016-08-22

[21] **3,033,194**
[13] A1

[51] **Int.Cl. H04L 12/00 (2006.01) H04L 12/66 (2006.01)**
[25] EN
[54] **NETWORK DEVICES**
[54] **DISPOSITIFS DE RESEAU**
[72] ZINGER, SLAV, AU
[71] COGNIAN TECHNOLOGIES LTD, AU
[85] 2019-02-07
[86] 2017-08-08 (PCT/AU2017/050833)
[87] (WO2018/027264)
[30] US (62/372,081) 2016-08-08

[21] **3,033,197**
[13] A1

[51] **Int.Cl. C04B 41/50 (2006.01) C04B 41/00 (2006.01) C04B 41/87 (2006.01) C23C 18/06 (2006.01) C23C 18/12 (2006.01) C23C 28/00 (2006.01) F01D 5/00 (2006.01)**
[25] EN
[54] **THERMAL BARRIER COATING REPAIR COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITION DE REPARATION DE REVETEMENT FAISANT BARRIERE THERMIQUE ET PROCEDES D'UTILISATION ASSOCIES**
[72] MCEVOY, KEVIN PAUL, US
[72] RUUD, JAMES, US
[72] SZALA, LAWRENCE E., US
[72] CORAH, SUSAN, US
[72] SAHA, ATANU, US
[72] KESHAVAN, HRISHIKESH, US
[71] GENERAL ELECTRIC COMPANY, US
[85] 2019-02-06
[86] 2017-08-16 (PCT/US2017/047127)
[87] (WO2018/038994)
[30] US (15/243,005) 2016-08-22

[21] **3,033,198**
[13] A1

[51] **Int.Cl. B07C 5/36 (2006.01) B07C 5/344 (2006.01)**
[25] EN
[54] **SYSTEM FOR ANALYZING AND SORTING MATERIAL**
[54] **SYSTEME D'ANALYSE ET DE TRI DE MATERIAU**
[72] COMTOIS, RICK, US
[72] SCHINDLER, JOHN, US
[72] COMTOIS, KARL, US
[72] LOCKE, DAVID, US
[72] BAUERSCHLAG, NILS, DE
[72] GILLNER, RONALD, DE
[71] HYDRO ALUMINIUM ROLLED PRODUCTS GMBH, DE
[71] AUSTIN AI, INC., US
[85] 2019-02-07
[86] 2017-03-20 (PCT/EP2017/056530)
[87] (WO2018/095583)
[30] US (15/361929) 2016-11-28

PCT Applications Entering the National Phase

[21] **3,033,199**
[13] A1

[51] **Int.Cl. F02C 6/00 (2006.01) B64D 27/24 (2006.01) F01D 5/10 (2006.01) F02C 7/32 (2006.01) H02K 7/18 (2006.01)**

[25] EN

[54] **GAS TURBINE ENGINE WITH AN EMBEDDED ELECTRIC MACHINE**

[54] **TURBINE A GAZ A MACHINE ELECTRIQUE INTEGREE**

[72] KUPISZEWSKI, THOMAS, US

[72] MILLER, BRANDON WAYNE, US

[72] NIERGARTH, DANIEL ALAN, US

[72] VONDRELL, RANDY M., US

[72] GEMIN, PAUL ROBERT, US

[71] GENERAL ELECTRIC COMPANY, US

[85] 2019-02-06

[86] 2017-08-16 (PCT/US2017/047110)

[87] (WO2018/038992)

[30] US (15/242,827) 2016-08-22

[21] **3,033,200**
[13] A1

[51] **Int.Cl. A61B 18/20 (2006.01)**

[25] EN

[54] **ROBOT-ASSISTED LASER SURGICAL SYSTEM**

[54] **SYSTEME CHIRURGICAL LASER ASSISTE PAR ROBOT.**

[72] KHAN, RIAZ JAN KJELL, AU

[72] FICK, DANIEL PAUL, AU

[72] ROBERTSON, WILLIAM BRETT, AU

[72] SHEH, RAYMOND KA-MAN, AU

[72] IRONSIDE, CHARLES, AU

[72] CHIPPER, RICHARD, AU

[71] AUSTRALIAN INSTITUTE OF ROBOTIC ORTHOPAEDICS PTY LTD, AU

[85] 2019-02-07

[86] 2017-08-09 (PCT/AU2017/050840)

[87] (WO2018/027269)

[30] AU (2016903144) 2016-08-10

[21] **3,033,201**
[13] A1

[51] **Int.Cl. G06F 17/00 (2019.01)**

[25] EN

[54] **LARGE SCALE SOCIAL GRAPH SEGMENTATION**

[54] **SEGMENTATION DE GRAPHE SOCIAL A GRANDE ECHELLE**

[72] HANKINSON, STEPHEN JAMES FREDERIC, CA

[72] BURKE, TIMOTHY ANDREW, CA

[71] AFFINIO INC., CA

[85] 2019-02-07

[86] 2017-05-02 (PCT/CA2017/000109)

[87] (WO2017/201605)

[30] US (62/331,137) 2016-05-03

[21] **3,033,202**
[13] A1

[51] **Int.Cl. A61N 5/10 (2006.01) G21K 5/10 (2006.01)**

[25] EN

[54] **A GANTRY FOR PARTICLE THERAPY AS AN ARM ROTATING IN THE LONGITUDINAL PLANE**

[54] **PORTIQUE POUR THERAPIE PAR PARTICULES EN TANT QUE BRAS TOURNANT DANS LE PLAN LONGITUDINAL.**

[72] SCHIPPERS, JACOBUS MAARTEN, CH

[72] GERBERSHAGEN, ALEXANDER, CH

[71] PAUL SCHERRER INSTITUT, CH

[85] 2019-02-07

[86] 2017-06-20 (PCT/EP2017/065100)

[87] (WO2018/028863)

[30] EP (16183296.9) 2016-08-09

[21] **3,033,203**
[13] A1

[51] **Int.Cl. G01N 27/447 (2006.01) B01J 20/281 (2006.01) G01N 30/02 (2006.01)**

[25] EN

[54] **INORGANIC ION DETECTION SYSTEM AND METHODS**

[54] **SYSTEME ET PROCEDES DE DETECTION D'IONS INORGANIQUES**

[72] BREADMORE, MICHAEL CHARLES, AU

[72] ZAKARIA, PHILIP JAMES CHARLES, AU

[72] BLANCO-HERAS, GUSTAVO, ES

[71] UNIVERSITY OF TASMANIA, AU

[85] 2019-02-07

[86] 2017-08-15 (PCT/AU2017/050861)

[87] (WO2018/032043)

[30] AU (2016903232) 2016-08-15

[30] AU (2017902304) 2017-06-16

[21] **3,033,204**
[13] A1

[51] **Int.Cl. B01J 37/18 (2006.01) B01J 23/75 (2006.01) B01J 23/882 (2006.01) B01J 23/883 (2006.01) B01J 23/888 (2006.01) B01J 27/185 (2006.01) B01J 31/02 (2006.01) B01J 31/04 (2006.01) B01J 37/02 (2006.01) B01J 37/08 (2006.01) B01J 37/20 (2006.01) C10G 45/08 (2006.01)**

[25] EN

[54] **A POLAR ADDITIVE-CONTAINING HYDROPROCESSING CATALYST, ITS PREPARATION AND USE**

[54] **CATALYSEUR D'HYDROTRAITEMENT CONTENANT UN ADDITIF POLAIRE, SA PREPARATION ET SON UTILISATION**

[72] KRUEGER, KARL MARVIN, US

[72] WEBER, THOMAS, NL

[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL

[85] 2019-02-06

[86] 2017-08-21 (PCT/US2017/047739)

[87] (WO2018/039105)

[30] US (62/378,311) 2016-08-23

Demandes PCT entrant en phase nationale

[21] **3,033,205**
[13] A1

[51] **Int.Cl. C12N 5/0793 (2010.01)**
[25] EN
[54] **METHODS FOR DIFFERENTIATING PLURIPOTENT CELLS**
[54] **PROCEDES DE DIFFERENCIATION DE CELLULES PLURIPOTENTES**
[72] LITTLE, LAUREN E., US
[72] WANG, WEN BO, US
[72] ELLIOT, NATHANIEL A., US
[72] MCMAHON, CHRISTOPHER W., US
[71] FUJIFILM CELLULAR DYNAMICS, INC., US
[85] 2019-02-06
[86] 2017-08-16 (PCT/US2017/047124)
[87] (WO2018/035214)
[30] US (62/375,590) 2016-08-16

[21] **3,033,207**
[13] A1

[51] **Int.Cl. G06Q 50/00 (2012.01) G06F 17/00 (2019.01) H04L 12/16 (2006.01)**
[25] EN
[54] **MODELLING USER BEHAVIOUR IN SOCIAL NETWORK**
[54] **MODELISATION DU COMPORTEMENT D'UN UTILISATEUR DANS UN RESEAU SOCIAL**
[72] RENAUD, PHILIP JOSEPH, CA
[71] AFFINIO INC., CA
[85] 2019-02-07
[86] 2017-06-13 (PCT/CA2017/000144)
[87] (WO2017/214703)
[30] US (62/349,268) 2016-06-13

[21] **3,033,208**
[13] A1

[51] **Int.Cl. C09K 8/80 (2006.01) C03C 12/00 (2006.01) C03C 23/00 (2006.01)**
[25] EN
[54] **PROPPANT AND METHOD OF MANUFACTURING A PROPPANT**
[54] **AGENT DE SOUTENEMENT ET PROCEDE DE FABRICATION D'UN AGENT DE SOUTENEMENT**
[72] BARRON, ANDREW, GB
[72] CORREAS LOPEZ, COVADONGA, ES
[72] GOMEZ JIMENEZ, VIRGINIA, ES
[72] IRESON, ROBERT GORDON, GB
[72] GLENDENNING, MALCOLM DAVID, GB
[72] MARSHALL, MARTYN WILLIAM, GB
[72] HOLCROFT, CHRISTOPHER PAUL, GB
[71] SWANSEA UNIVERSITY, GB
[71] GLASS TECHNOLOGY SERVICES LIMITED, GB
[85] 2019-02-07
[86] 2017-08-08 (PCT/GB2017/052329)
[87] (WO2018/029457)
[30] GB (1613603.8) 2016-08-08

[21] **3,033,209**
[13] A1

[51] **Int.Cl. B64D 27/02 (2006.01) H02J 1/10 (2006.01) H02J 4/00 (2006.01)**
[25] EN
[54] **ELECTRIC PROPULSION SYSTEM**
[54] **SYSTEME DE PROPULSION ELECTRIQUE**
[72] KUPISZEWSKI, THOMAS, US
[72] MILLER, BRANDON WAYNE, US
[72] VONDRELL, RANDY M., US
[71] GENERAL ELECTRIC COMPANY, US
[85] 2019-02-06
[86] 2017-08-22 (PCT/US2017/048000)
[87] (WO2018/039222)
[30] US (15/242,844) 2016-08-22

[21] **3,033,211**
[13] A1

[51] **Int.Cl. H04L 12/28 (2006.01) H04R 27/00 (2006.01)**
[25] EN
[54] **A METHOD OF AUTHORISING AN AUDIO DOWNLOAD**
[54] **PROCEDE D'AUTORISATION D'UN TELECHARGEMENT AUDIO**
[72] TULL, GRAHAM, GB
[71] POWERCHORD GROUP LIMITED, GB
[85] 2019-02-07
[86] 2017-08-08 (PCT/GB2017/052331)
[87] (WO2018/029459)
[30] GB (1613587.3) 2016-08-08

[21] **3,033,212**
[13] A1

[51] **Int.Cl. A23L 2/60 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING REBAUDIOSIDE J**
[54] **COMPOSITIONS CONTENANT DU REBAUDIOSIDE J**
[72] ERICKSON, SHAWN, US
[72] GALOPIN, CHRISTOPHE, US
[72] NATTRESS, LAURA, US
[72] BONORDEN, WILLIAM, US
[71] PEPSICO, INC., US
[85] 2019-02-06
[86] 2017-08-18 (PCT/US2017/047485)
[87] (WO2018/044588)
[30] US (15/249,816) 2016-08-29

[21] **3,033,213**
[13] A1

[51] **Int.Cl. B65D 79/00 (2006.01) B65D 25/00 (2006.01) B65D 25/22 (2006.01) B65D 81/00 (2006.01) B65D 81/18 (2006.01) F25D 11/00 (2006.01) G07C 5/08 (2006.01)**
[25] EN
[54] **SMART PACKAGE**
[54] **COLIS INTELLIGENT**
[72] HIGH, DONALD R., US
[72] NATARAJAN, CHANDRASHEKAR, US
[72] O'BRIEN, JOHN J., V, US
[72] CANTRELL, ROBERT, US
[72] MATTINGLY, TODD, US
[72] MCHALE, BRIAN GERARD, GB
[72] WILKINSON, BRUCE WALTER, US
[71] WALMART APOLLO, LLC, US
[85] 2019-02-06
[86] 2017-08-24 (PCT/US2017/048305)
[87] (WO2018/044660)
[30] US (62/381,235) 2016-08-30

PCT Applications Entering the National Phase

[21] **3,033,214**
[13] A1

[51] **Int.Cl. B63H 16/04 (2006.01)**
[25] EN
[54] **A PROPULSION DEVICE**
[54] **DISPOSITIF DE PROPULSION**
[72] SHARP, BOB, GB
[72] ROY, ALEXANDRA, GB
[72] PRICE, RONALD, GB
[71] SHARP, BOB, GB
[71] ROY, ALEXANDRA, GB
[71] PRICE, RONALD, GB
[85] 2019-02-07
[86] 2017-08-07 (PCT/GB2017/052316)
[87] (WO2018/029451)
[30] GB (1613599.8) 2016-08-08

[21] **3,033,215**
[13] A1

[51] **Int.Cl. G05D 1/00 (2006.01) G05D 1/02 (2006.01) G06N 5/04 (2006.01)**
[25] EN
[54] **GENERATING AND TRANSMITTING PARKING INSTRUCTIONS FOR AUTONOMOUS AND NON-AUTONOMOUS VEHICLES**
[54] **GENERATION ET TRANSMISSION D'INSTRUCTIONS DE STATIONNEMENT POUR VEHICULES AUTONOMES ET NON AUTONOMES**
[72] HAYES, HOWARD, US
[72] MADIGAN, REGINA, US
[72] KUMAR, SURENDER, US
[72] SLUSAR, MARK, US
[71] ALLSTATE INSURANCE COMPANY, US
[85] 2019-02-06
[86] 2017-08-18 (PCT/US2017/047492)
[87] (WO2018/035403)
[30] US (15/239,983) 2016-08-18
[30] US (15/240,019) 2016-08-18
[30] US (15/240,037) 2016-08-18

[21] **3,033,216**
[13] A1

[51] **Int.Cl. A61B 5/097 (2006.01) A61B 5/00 (2006.01) A61B 5/22 (2006.01) A63B 21/00 (2006.01) A63B 23/18 (2006.01)**
[25] EN
[54] **RESPIRATORY DEVICE AND SYSTEM FOR EXERCISING AND ANALYSING RESPIRATION OF A SUBJECT**
[54] **DISPOSITIF ET SYSTEME RESPIRATOIRE POUR EXERCICE ET ANALYSE DE LA RESPIRATION D'UN SUJET**
[72] TULLBERG POULSEN, CHRISTIAN, DK
[72] TOFT, TUE, DK
[72] BERGHOLDT, RUDY, DK
[72] KARKOV, KLAUS, DK
[72] MANSSON, BJARNE, DK
[72] VIDEBAEK, KARSTEN, DK
[71] AEROFIT.DK APS, DK
[85] 2019-02-07
[86] 2017-07-13 (PCT/EP2017/067735)
[87] (WO2018/011358)
[30] DK (PA 2016 00421) 2016-07-13
[30] DK (PA 2017 70139) 2017-02-24

[21] **3,033,217**
[13] A1

[51] **Int.Cl. H04L 29/12 (2006.01)**
[25] EN
[54] **METHOD FOR VIRTUAL MACHINE TO ACCESS PHYSICAL SERVER IN CLOUD COMPUTING SYSTEM, APPARATUS, AND SYSTEM**
[54] **PROCEDE, DISPOSITIF ET SYSTEME POUR QU'UNE MACHINE VIRTUELLE AIT ACCES A UN SERVEUR PHYSIQUE DANS UN SYSTEME INFONUAGIQUE**
[72] LI, JUNWU, CN
[72] SHEN, SI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-02-07
[86] 2016-08-09 (PCT/CN2016/094225)
[87] (WO2018/027586)

[21] **3,033,218**
[13] A1

[51] **Int.Cl. A47F 10/02 (2006.01) H04B 17/318 (2015.01) H04W 4/024 (2018.01) H04W 4/38 (2018.01) B62B 3/14 (2006.01) B62B 5/00 (2006.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **SENSING DEVICE FOR SHOPPING CART**
[54] **DISPOSITIF DE DETECTION POUR CADDIE**
[72] HOWELL, DANIEL, US
[71] WALMART APOLLO, LLC, US
[85] 2019-02-06
[86] 2017-08-24 (PCT/US2017/048309)
[87] (WO2018/057218)
[30] US (62/397,445) 2016-09-21

[21] **3,033,219**
[13] A1

[51] **Int.Cl. G06F 13/40 (2006.01) G06F 13/42 (2006.01) G06F 15/16 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS AND DEVICES FOR NATIVE AND VIRTUALIZED VIDEO IN A HYBRID DOCKING STATION**
[54] **SYSTEMES, PROCEDES ET DISPOSITIFS POUR VIDEO NATIVE ET VIRTUALISEE DANS UNE STATION D'ACCUEIL HYBRIDE**
[72] DECAMP, RONALD, US
[72] TSANG, DAN, US
[71] TARGUS INTERNATIONAL LLC, US
[85] 2019-02-06
[86] 2017-08-24 (PCT/US2017/048367)
[87] (WO2018/048631)
[30] US (15/261,204) 2016-09-09

Demandes PCT entrant en phase nationale

[21] **3,033,220**
[13] A1

[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PROVIDING A VIRTUAL SHOPPING ENVIRONMENT**
[54] **APPAREIL ET PROCEDE DE FOURNITURE D'UN ENVIRONNEMENT D'ACHAT VIRTUEL**
[72] MATTINGLY, TODD D., US
[72] ANTEL, NICHOLAS RAY, US
[72] O'BRIEN, JOHN J., US
[71] WALMART APOLLO, LLC, US
[85] 2019-02-06
[86] 2017-08-24 (PCT/US2017/048389)
[87] (WO2018/039437)
[30] US (62/379,136) 2016-08-24

[21] **3,033,223**
[13] A1

[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/506 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 401/12 (2006.01)**
[25] EN
[54] **AMINOPYRIMIDINES AS ALK INHIBITORS**
[54] **AMINOPYRIMIDINES UTILISEES COMME INHIBITEURS D'ALK**
[72] WANG, SHAOMENG, US
[72] CHEN, JIANYONG, US
[71] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US
[85] 2019-02-06
[86] 2017-08-28 (PCT/US2017/048845)
[87] (WO2018/044767)
[30] US (62/380,818) 2016-08-29

[21] **3,033,225**
[13] A1

[51] **Int.Cl. G10L 19/008 (2013.01)**
[25] EN
[54] **MULTI-CHANNEL SIGNAL ENCODING METHOD AND ENCODER**
[54] **PROCEDE DE CODAGE DE SIGNAL MULTICANAL, ET CODEUR**
[72] LIU, ZEXIN, CN
[72] ZHANG, XINGTAO, CN
[72] LI, HAITING, CN
[72] MIAO, LEI, CN
[71] HUAWAI TECHNOLOGIES CO., LTD., CN
[85] 2019-02-07
[86] 2017-02-22 (PCT/CN2017/074419)
[87] (WO2018/028170)
[30] CN (201610652506.X) 2016-08-10

[21] **3,033,221**
[13] A1

[51] **Int.Cl. H01M 8/04223 (2016.01) H01M 8/04955 (2016.01)**
[25] EN
[54] **EXPLOSION-PROTECTED FUEL CELL SYSTEM AND METHOD OF DEACTIVATING A FUEL_CELL SYSTEM**
[54] **SYSTEME DE PILES A COMBUSTIBLE PROTEGE CONTRE DES EXPLOSIONS ET PROCEDE DE MISE HORS SERVICE D'UN SYSTEME DE PILES A COMBUSTIBLE**
[72] LANZINGER, ACHIM, DE
[71] PROTON MOTOR FUEL CELL GMBH, DE
[85] 2019-02-07
[86] 2017-07-27 (PCT/EP2017/069000)
[87] (WO2018/019936)
[30] DE (10 2016 114 103.8) 2016-07-29

[21] **3,033,224**
[13] A1

[51] **Int.Cl. E04B 1/94 (2006.01) B32B 5/18 (2006.01) B32B 21/00 (2006.01) E04C 2/24 (2006.01) E04C 2/296 (2006.01) E04C 3/12 (2006.01) E04C 3/14 (2006.01)**
[25] EN
[54] **WOOD-BASED MATERIAL INSULATED FOR COMBUSTION RESISTANCE**
[54] **MATERIAU A BASE DE BOIS ISOLE POUR LA RESISTANCE A LA COMBUSTION**
[72] STEWART, GREGORY T., US
[72] KALINOWSKI, MATTHEW J., US
[72] PATANKAR, KSHITISH A., US
[72] REN, DAKAI, US
[72] CRAIN, STEVEN P., US
[72] HERST, ERNEST J., US
[72] CHENEY, DANIEL W., US
[72] OLSON, JEFFREY K., US
[72] CONGLETON, TYLER G., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2019-02-06
[86] 2017-07-31 (PCT/US2017/044585)
[87] (WO2018/031270)
[30] US (62/372,848) 2016-08-10

[21] **3,033,226**
[13] A1

[51] **Int.Cl. C07D 413/14 (2006.01) A01N 43/50 (2006.01) A01N 43/76 (2006.01)**
[25] EN
[54] **SUBSTITUTED 2-HETEROCYCLYL IMIDAZOLYL-CARBOXAMIDES AS PEST CONTROL AGENTS**
[54] **2-HETEROCYCLYLE-IMIDAZOLYLE-CARBOXAMIDES SUBSTITUES UTILISES EN TANT QUE PESTICIDES**
[72] WILLOT, MATTHIEU, DE
[72] FISCHER, REINER, DE
[72] HEIL, MARKUS, DE
[72] JANSEN, JOHANNES-RUDOLF, DE
[72] ILG, KERSTIN, DE
[72] PORTZ, DANIELA, DE
[71] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
[85] 2019-02-07
[86] 2017-08-04 (PCT/EP2017/069798)
[87] (WO2018/029102)
[30] EP (16183573.1) 2016-08-10

PCT Applications Entering the National Phase

[21] **3,033,227**
[13] A1

[51] **Int.Cl. B21C 37/18 (2006.01) B21C 37/06 (2006.01) B21C 37/08 (2006.01) B21C 37/083 (2006.01) B21C 37/12 (2006.01) B21C 37/14 (2006.01)**

[25] EN

[54] **SHEET TRANSITIONING IN SPIRAL FORMED STRUCTURES**

[54] **TRANSITION DE FEUILLES DANS DES STRUCTURES FORMEES EN SPIRALE**

[72] TAKATA, ROSALIND K., US

[72] BRIDGERS, LOREN DANIEL, US

[72] SMITH, ERIC D., US

[71] KEYSTONE TOWER SYSTEMS, INC., US

[85] 2019-02-06

[86] 2017-08-31 (PCT/US2017/049612)

[87] (WO2018/045168)

[30] US (62/381,749) 2016-08-31

[21] **3,033,228**
[13] A1

[51] **Int.Cl. C07C 303/22 (2006.01) C07C 309/12 (2006.01) C07C 309/14 (2006.01)**

[25] EN

[54] **DEFI AND TAURATE AMIDE MIXTURES AND PROCESSES THEREOF**

[54] **MELANGES DE DEFI ET DE TAURATE D'AMIDE ET PROCEDES ASSOCIES**

[72] AU, VAN, US

[72] HARICHIAN, BIJAN, US

[71] UNILEVER PLC, GB

[85] 2019-02-07

[86] 2017-09-06 (PCT/EP2017/072312)

[87] (WO2018/059889)

[30] EP (16191203.5) 2016-09-28

[21] **3,033,229**
[13] A1

[51] **Int.Cl. B65D 85/68 (2006.01) B65D 85/62 (2006.01)**

[25] EN

[54] **BRACKET SYSTEM FOR PACKAGING AXLE ASSEMBLIES**

[54] **SYSTEME DE SUPPORT DESTINE A UN EMBALLAGE D'ENSEMBLES ESSIEUX**

[72] ROBINSON, JOSHUA A., US

[71] HENDRICKSON USA, L.L.C., US

[85] 2019-02-06

[86] 2017-08-02 (PCT/US2017/045083)

[87] (WO2018/031336)

[30] US (62/372,420) 2016-08-09

[21] **3,033,230**
[13] A1

[51] **Int.Cl. A22B 5/00 (2006.01)**

[25] EN

[54] **METHOD FOR RINSING OF CARCASSES**

[54] **PROCEDE DE RINCAGE DE CARCASSES**

[72] JOHNSEN, JUSTIN T., US

[72] MARTIN, WILLIAM J., US

[72] WILESMITH, BRADLEY J., AU

[71] MPSC, INC., US

[85] 2019-02-06

[86] 2017-09-01 (PCT/US2017/049903)

[87] (WO2018/045314)

[30] US (62/383,177) 2016-09-02

[30] US (15/690,477) 2017-08-30

[21] **3,033,231**
[13] A1

[51] **Int.Cl. H01M 8/04014 (2016.01) H01M 8/04007 (2016.01) H01M 8/04029 (2016.01)**

[25] EN

[54] **COOLING SYSTEM OF FUEL CELL OF HYDROGEN ENERGY TRAM**

[54] **SYSTEME DE REFROIDISSEMENT POUR PILE A COMBUSTIBLE A ENERGIE D'HYDROGENE DE TRAMWAY**

[72] HU, YUJIE, CN

[72] GAO, HONGZHEN, CN

[72] YANG, BING, CN

[72] MOU, XIAOSHA, CN

[72] REN, GUANGQIANG, CN

[72] LIU, YUWEN, CN

[72] ZHAO, ZEJUAN, CN

[71] CRRC QINGDAO SIFANG CO., LTD., CN

[85] 2019-02-07

[86] 2017-08-29 (PCT/CN2017/099407)

[87] (WO2018/041085)

[30] CN (201610780587.1) 2016-08-31

[21] **3,033,232**
[13] A1

[51] **Int.Cl. A61M 5/315 (2006.01) A61M 5/24 (2006.01)**

[25] EN

[54] **DETERMINATION OF A DOSE IN A MEDICATION DELIVERY DEVICE**

[54] **MECANISME DE DETECTION DE DOSE DANS UN DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**

[72] ALAGIA, NICOLA ANTONIO, US

[72] BYERLY, ROY HOWARD, US

[72] PERKINS, RUSSELL WAYNE, US

[72] MASSARI, ROSSANO CLAUDIO, US

[71] ELI LILLY AND COMPANY, US

[85] 2019-02-06

[86] 2017-08-04 (PCT/US2017/045419)

[87] (WO2018/031390)

[30] US (62/374,202) 2016-08-12

[21] **3,033,233**
[13] A1

[51] **Int.Cl. H01L 35/22 (2006.01) H01L 35/34 (2006.01)**

[25] EN

[54] **ACTIVE MATERIAL AND ELECTRIC POWER GENERATOR CONTAINING IT**

[54] **MATERIAU ACTIF ET GENERATEUR D'ENERGIE ELECTRIQUE CONTENANT CELUI-CI**

[72] MAGAGNIN, LUCA, IT

[72] IEFFA, SIMONA, IT

[72] ACCOGLI, ALESSANDRA, IT

[72] PANZERI, GABRIELE, IT

[72] LIBERALE, FRANCESCO, IT

[72] TIRELLA, VINCENZO, CH

[72] SUCCA, LUCA, CH

[72] BRUNETTI, SIMONE, CH

[71] TERMO-IND S.A., CH

[85] 2019-02-07

[86] 2017-08-07 (PCT/EP2017/069925)

[87] (WO2018/029139)

[30] EP (PCT/EP2016/069030) 2016-08-10

Demandes PCT entrant en phase nationale

[21] **3,033,234**
[13] A1

[51] **Int.Cl. C08J 5/18 (2006.01) C08F 110/02 (2006.01)**
[25] EN
[54] **BLOWN FILMS HAVING IMPROVED HAZE, AND ARTICLES MADE THEREFROM**
[54] **FILMS SOUFFLES PRESENTANT UN VOILE AMELIORE, ET ARTICLES FABRIQUES A PARTIR DE CES FILMS**
[72] BILGEN, MUSTAFA, US
[72] DEMIRORS, MEHMET, US
[72] KARJALA, TERESA P., US
[72] ABOLELLA, NERMEEN W., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2019-02-06
[86] 2017-08-04 (PCT/US2017/045430)
[87] (WO2018/031392)
[30] US (62/373,533) 2016-08-11

[21] **3,033,235**
[13] A1

[51] **Int.Cl. B01D 53/02 (2006.01) B01D 53/04 (2006.01) B01D 53/047 (2006.01) B01D 53/26 (2006.01) B01J 20/18 (2006.01) C10L 3/10 (2006.01)**
[25] EN
[54] **SWING ADSORPTION PROCESSES FOR REMOVING WATER USING 3A ZEOLITE STRUCTURES**
[54] **PROCEDES D'ADSORPTION MODULEE POUR ELIMINER L'EAU EN UTILISANT DES STRUCTURES DE ZEOLITE 3A**
[72] WANG, YU, US
[72] DECKMAN, HARRY W., US
[72] WITTRIG, ASHLEY M., US
[72] STROHMAIER, KARL G., US
[72] LETA, DANIEL P., US
[72] RAVIKOVITCH, PETER I., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2019-02-06
[86] 2017-08-04 (PCT/US2017/045476)
[87] (WO2018/044501)
[30] US (62/382,544) 2016-09-01

[21] **3,033,236**
[13] A1

[51] **Int.Cl. B65D 75/58 (2006.01) A47J 31/34 (2006.01) A47J 31/36 (2006.01) A47J 31/40 (2006.01) B65D 85/804 (2006.01)**
[25] EN
[54] **FITMENT ASSEMBLY FOR FOOD OR BEVERAGE CONTAINERS**
[54] **ENSEMBLE CLOISON POUR RECIPIENTS D'ALIMENTS OU DE BOISSONS**
[72] JARISCH, CHRISTIAN, CH
[72] TALON, CHRISTIAN, CH
[72] HEYDEL, CHRISTOPHE SEBASTIEN PAUL, CH
[72] PELLEGRINI, STEPHANE, FR
[72] DENISART, JEAN-LUC, CH
[72] BAENNINGER, PHILIPPE, CH
[72] BONACCI, ENZO, CH
[72] VERETTAS, IRENE, CH
[71] NESTEC S.A., CH
[85] 2019-02-07
[86] 2017-08-08 (PCT/EP2017/070040)
[87] (WO2018/033431)
[30] EP (16184302.4) 2016-08-16

[21] **3,033,237**
[13] A1

[51] **Int.Cl. A61F 5/00 (2006.01)**
[25] EN
[54] **INTRAGASTRIC BALLOON AND MANUFACTURING METHOD THEREOF**
[54] **BALLON INTRAGASTRIQUE ET SON PROCEDE DE FABRICATION.**
[72] MIGLIETTI, ROMANO, IT
[72] RAMORINO, GIORGIO, IT
[72] STORER, MATTEO, IT
[71] EUROMEDICAL S.R.L., IT
[85] 2019-02-07
[86] 2017-08-10 (PCT/IB2017/054879)
[87] (WO2018/029625)
[30] IT (102016000084458) 2016-08-10

[21] **3,033,238**
[13] A1

[51] **Int.Cl. H01M 2/20 (2006.01) H01H 85/08 (2006.01) H01M 2/34 (2006.01)**
[25] EN
[54] **BATTERY, BATTERY MODULE FOR THE BATTERY, AND BUS BAR THEREFOR**
[54] **BATTERIE, MODULE DE BATTERIE POUR LA BATTERIE ET BARRE OMNIBUS APPROPRIEE**
[72] JENNER-BRAUNSCHMIED, EDMUND, AT
[72] REINGRUBER, MARTIN, AT
[71] NORDFELS GMBH, AT
[85] 2019-02-07
[86] 2017-08-08 (PCT/EP2017/070125)
[87] (WO2018/029224)
[30] EP (16183280.3) 2016-08-08

[21] **3,033,239**
[13] A1

[51] **Int.Cl. C07D 519/00 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SPIRO BICYCLIC INHIBITORS OF MENIN-MLL INTERACTION**
[54] **INHIBITEURS SPIRO BICYCLIQUES DE L'INTERACTION MENINE-MLL**
[72] ANGIBAUD, PATRICK RENE, FR
[72] PANDE, VINEET, BE
[72] HERKERT, BARBARA, BE
[72] KROSKY, DANIEL JASON, US
[72] QUEROLLE, OLIVIER ALEXIS GEORGES, FR
[72] PILATTE, ISABELLE NOELLE CONSTANCE, FR
[72] PATRICK, AARON NATHANIEL, US
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2019-02-07
[86] 2017-09-13 (PCT/EP2017/073004)
[87] (WO2018/050686)
[30] US (62/394,295) 2016-09-14
[30] EP (16192431.1) 2016-10-05

PCT Applications Entering the National Phase

[21] **3,033,240**
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) C07D 215/14 (2006.01) C07D 215/18 (2006.01) C07D 241/42 (2006.01) C07D 401/04 (2006.01) C07D 401/12 (2006.01) C07D 413/04 (2006.01) C07D 451/02 (2006.01) C07D 471/04 (2006.01) C07D 471/08 (2006.01) C07D 471/10 (2006.01) C07D 487/04 (2006.01)**

[25] EN

[54] **TLR7/8 ANTAGONISTS AND USES THEREOF**

[54] **ANTAGONISTES DE TLR7/8 ET LEURS UTILISATIONS**

[72] SHERER, BRIAN A., US
[72] CHEN, XIAOLING, US
[72] CLEARY, ESTHER, US
[72] BRUGGER, NADIA, US
[71] MERCK PATENT GMBH, DE
[85] 2019-02-06
[86] 2017-08-07 (PCT/US2017/045671)
[87] (WO2018/031434)
[30] US (62/371,917) 2016-08-08

[21] **3,033,241**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR DETECTING USUAL INTERSTITIAL PNEUMONIA**

[54] **PROCEDES ET SYSTEMES DE DETECTION DE LA PNEUMONIE INTERSTITIELLE CHRONIQUE**

[72] KENNEDY, GIULIA C., US
[72] HUANG, JING, US
[72] CHOI, YOONHA, US
[72] PANKRATZ, DANIEL, US
[72] WALSH, PATRIC SEAN, US
[71] VERACYTE, INC., US
[85] 2019-02-06
[86] 2017-09-06 (PCT/US2017/050358)
[87] (WO2018/048960)
[30] US (62/384,609) 2016-09-07
[30] US (62/528,899) 2017-07-05

[21] **3,033,242**
[13] A1

[51] **Int.Cl. H04N 5/14 (2006.01) G02B 27/10 (2006.01) G06T 5/50 (2006.01)**

[25] EN

[54] **REAL-TIME HDR VIDEO FOR VEHICLE CONTROL**

[54] **VIDEO HDR EN TEMPS REEL POUR LA COMMANDE DE VEHICULES**

[72] KISER, WILLIE C., US
[72] TOCCI, NORA, US
[72] TOCCI, MICHAEL D., US
[71] CONTRAST, INC., US
[85] 2019-02-06
[86] 2017-08-07 (PCT/US2017/045683)
[87] (WO2018/031441)
[30] US (62/372,527) 2016-08-09

[21] **3,033,243**
[13] A1

[51] **Int.Cl. C07H 1/06 (2006.01) A23L 2/60 (2006.01) C07H 15/256 (2006.01)**

[25] EN

[54] **CRYSTALLIZATION OF STEVIOL GLYCOSIDES**

[54] **CRISTALLISATION DE GLYCOSIDES DE STEVIOL**

[72] GALAEV, IGOR, NL
[72] SAHOO, MANAS RANJAN, NL
[71] DSM IP ASSETS B.V., NL
[85] 2019-02-07
[86] 2017-08-09 (PCT/EP2017/070244)
[87] (WO2018/029274)
[30] US (62/372737) 2016-08-09

[21] **3,033,244**
[13] A1

[51] **Int.Cl. E21B 21/06 (2006.01) B01D 21/00 (2006.01) B07C 5/04 (2006.01) E21B 21/01 (2006.01)**

[25] EN

[54] **WEIGHT MATERIAL RECOVERY AND REUSE METHOD FROM DRILLING WASTE**

[54] **PROCEDE DE RECUPERATION ET DE REUTILISATION D'ALOURDISSANTS PROVENANT DE DECHETS DE FORAGE**

[72] STEGER, GREGORY, CA
[72] COSTON, BRIAN, CA
[72] ROSS, STAN, CA
[71] RECOVER ENERGY SERVICES INC., CA
[85] 2019-02-07
[86] 2017-08-24 (PCT/IB2017/055112)
[87] (WO2018/037374)
[30] US (62/379,437) 2016-08-25

[21] **3,033,245**
[13] A1

[51] **Int.Cl. A62D 1/00 (2006.01) A62C 3/02 (2006.01) C23F 11/173 (2006.01) C09K 21/04 (2006.01)**

[25] EN

[54] **FIRE-RETARDANT COMPOSITIONS AND THEIR USES**

[54] **COMPOSITIONS IGNIFUGES ET LEURS UTILISATIONS**

[72] KHOSLA, URVASHI, US
[72] VANDERSALL, HOWARD L., US
[72] KIM, MELISSA R., US
[71] PERIMETER SOLUTIONS LP, US
[85] 2019-02-06
[86] 2017-08-07 (PCT/US2017/045714)
[87] (WO2018/031459)
[30] US (62/372,012) 2016-08-08

[21] **3,033,246**
[13] A1

[51] **Int.Cl. C12N 9/04 (2006.01) C12P 7/24 (2006.01) C12P 13/00 (2006.01) C12P 17/12 (2006.01) C12P 17/18 (2006.01)**

[25] EN

[54] **BIOSYNTHESIS OF BENZYLISOQUINOLINE ALKALOIDS AND BENZYLISOQUINOLINE ALKALOID PRECURSORS**

[54] **BIOSYNTHESE D'ALCALOIDES DE BENZYLISOQUINOLINE ET DE PRECURSEURS D'ALCALOIDES DE BENZYLISOQUINOLINE**

[72] HANSEN, ESBEN HALKJAER, DK
[72] SCHWAB, MARKUS, DE
[72] BERNINGER, PHILIPP, CH
[72] DELGRANGE, FANNY, FR
[72] GRASSINGER, FRANZISKA, CH
[71] RIVER STONE BIOTECH, LLC, US
[85] 2019-02-07
[86] 2017-08-09 (PCT/EP2017/070253)
[87] (WO2018/029282)
[30] US (62/372,356) 2016-08-09
[30] US (62/524,120) 2017-06-23

Demandes PCT entrant en phase nationale

[21] **3,033,247**
[13] A1

[51] **Int.Cl. A61F 5/058 (2006.01) A61F 5/37 (2006.01)**

[25] EN

[54] **HEAD IMMOBILIZATION AID WITH ADJUSTABLE SUPPORTS**

[54] **DISPOSITIF D'AIDE A L'IMMOBILISATION DE LA TETE A SUPPORTS REGLABLES**

[72] SCOTT, JANE, US

[72] FITCH, BRENDAN, US

[72] FITCH, CAMERON, US

[71] TORTLE PRODUCTS LLC, US

[85] 2019-02-06

[86] 2017-08-07 (PCT/US2017/045727)

[87] (WO2018/031465)

[30] US (62/372,190) 2016-08-08

[21] **3,033,248**
[13] A1

[51] **Int.Cl. B61F 3/04 (2006.01) B61F 3/16 (2006.01)**

[25] EN

[54] **PORTAL-AXLE OF LOW FLOOR RAIL VEHICLES AND RAIL-AND-TRAM VEHICLES**

[54] **ESSIEU PORTIQUE DE VEHICULES SUR RAILS A FAIBLE GARDE AU SOL ET VEHICULES FERROVIAIRES ET TRAMWAYS**

[72] FENAROLI, MARCO, IT

[72] CERVELLO, STEVEN, IT

[72] GALLO, RICCARDO, IT

[72] CANTINI, STEFANO, IT

[71] LUCCHINI RS S.P.A., IT

[85] 2019-02-07

[86] 2017-08-29 (PCT/IB2017/055176)

[87] (WO2018/042326)

[30] IT (102016000088005) 2016-08-30

[21] **3,033,249**
[13] A1

[51] **Int.Cl. C07D 231/56 (2006.01) A61K 31/416 (2006.01) A61P 19/04 (2006.01)**

[25] EN

[54] **INDAZOLE COMPOUNDS FOR USE IN TENDON AND/OR LIGAMENT INJURIES**

[54] **COMPOSES D'INDAZOLE DESTINES A ETRE UTILISES DANS DES LESIONS DE TENDON ET/OU DE LIGAMENT**

[72] BURSULAYA, BADRY, US

[72] FISCH, ANDREAS, CH

[72] LAJINESS, JAMES PAUL, US

[72] MACHAUER, RAINER, CH

[72] MALEKAR, SWAPNIL, US

[72] PETRASSI, HANK MICHAEL JAMES, US

[72] RAMAZANI, FARSHAD, CH

[72] REMOND, ANNE-CATHERINE, CH

[72] ULLRICH, THOMAS, CH

[72] USSELMANN, PEGGY, CH

[72] VANGREVELINGHE, ERIC, CH

[71] NOVARTIS AG, CH

[85] 2019-02-07

[86] 2017-09-21 (PCT/IB2017/055735)

[87] (WO2018/055550)

[30] US (62/398,869) 2016-09-23

[21] **3,033,250**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01)**

[25] EN

[54] **METHODS FOR PERFORMING MULTIPLEXED REAL-TIME PCR**

[54] **PROCEDES DE MISE EN OEUVRE DE PCR EN TEMPS REEL MULTIPLEXEE**

[72] KOZLOV, IGOR, US

[72] GUPTA, AMAR, US

[72] SAIKI, RANDALL, US

[72] TSAN, ALISON, US

[71] F. HOFFMANN-LA ROCHE AG, CH

[85] 2019-02-07

[86] 2017-09-15 (PCT/EP2017/073293)

[87] (WO2018/050828)

[30] US (62/395,325) 2016-09-15

[30] US (62/435,595) 2016-12-16

[30] US (62/536,871) 2017-07-25

[21] **3,033,251**
[13] A1

[51] **Int.Cl. C08L 95/00 (2006.01) C04B 26/26 (2006.01) C08L 91/00 (2006.01)**

[25] EN

[54] **STEROL BLENDS AS AN ADDITIVE IN ASPHALT BINDER**

[54] **MELANGES DE STEROLS UTILISES COMME ADDITIF DANS UN LIANT D'ASPHALTE**

[72] REINKE, GERALD H., US

[72] BAUMGARDNER, GAYLON L., US

[72] HANZ, ANDREW, US

[71] A.L.M HOLDING COMPANY, US

[71] ERGON ASPHALT & EMULSIONS, INC., US

[85] 2019-02-06

[86] 2017-08-08 (PCT/US2017/045887)

[87] (WO2018/031540)

[30] US (62/372,504) 2016-08-09

[21] **3,033,252**
[13] A1

[51] **Int.Cl. H01P 3/10 (2006.01) H01P 5/103 (2006.01) H01P 7/06 (2006.01)**

[25] EN

[54] **MAGNETIC COUPLING DEVICE WITH REFLECTIVE PLATE AND METHODS FOR USE THEREWITH**

[54] **DISPOSITIF DE COUPLAGE MAGNETIQUE A PLAQUE REFLECHISSANTE ET SES PROCEDES D'UTILISATION**

[72] BENNETT, ROBERT, US

[72] GERSZBERG, IRWIN, US

[72] HENRY, PAUL SHALA, US

[72] BARZEGAR, FARHAD, US

[72] BARNICKEL, DONALD J., US

[72] WILLIS, THOMAS M., III, US

[71] AT&T INTELLECTUAL PROPERTY I, L.P., US

[85] 2019-02-06

[86] 2017-09-11 (PCT/US2017/050916)

[87] (WO2018/057326)

[30] US (15/273,348) 2016-09-22

PCT Applications Entering the National Phase

[21] **3,033,253**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 19/02 (2006.01)**
[25] EN
[54] **AZA-INDAZOLE COMPOUNDS FOR USE IN TENDON AND/OR LIGAMENT INJURIES**
[54] **COMPOSES D'AZA-INDAZOLE DESTINES A ETRE UTILISES DANS DES LESIONS DE TENDON ET/OU DE LIGAMENT**
[72] BURSULAYA, BADRY, US
[72] FISCH, ANDREAS, CH
[72] LAJINESS, JAMES PAUL, US
[72] MACHAUER, RAINER, CH
[72] MALEKAR, SWAPNIL, US
[72] PETRASSI, HANK MICHAEL JAMES, US
[72] RAMAZANI, FARSHAD, CH
[72] REMOND, ANNE-CATHERINE, CH
[72] ULLRICH, THOMAS, CH
[72] USSELMANN, PEGGY, CH
[72] VANGREVELINGHE, ERIC, CH
[71] NOVARTIS AG, CH
[85] 2019-02-07
[86] 2017-09-21 (PCT/IB2017/055737)
[87] (WO2018/055551)
[30] US (62/398,865) 2016-09-23

[21] **3,033,254**
[13] A1

[51] **Int.Cl. A23D 9/04 (2006.01) A23G 1/36 (2006.01) A23G 1/40 (2006.01) C11B 3/10 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING COCOA BUTTER**
[54] **COMPOSITIONS COMPRENANT DU BEURRE DE CACAO**
[72] DE CLERCQ, NATHALIE, BE
[72] ROUVILLAIN, MATTHIEU BRUNO PHILIPPE, BE
[72] SALOPPE, SIDONIE, BE
[71] CARGILL, INCORPORATED, US
[85] 2019-02-06
[86] 2017-08-08 (PCT/US2017/045942)
[87] (WO2018/031569)
[30] EP (16183377.7) 2016-08-09

[21] **3,033,256**
[13] A1

[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **SCHEDULING ENHANCEMENTS FOR LATENCY-CONSTRAINED AND RELIABLE WIRELESS COMMUNICATION SYSTEMS**
[54] **AMELIORATIONS DE PLANIFICATION POUR DES SYSTEMES DE COMMUNICATION SANS FIL A LATENCE LIMITEE ET FIABLES**
[72] HOLFELD, BERND, DE
[72] WIERUCH, DENNIS, DE
[72] WIRTH, THOMAS, DE
[72] FEHRENBACH, THOMAS, DE
[72] HELLGE, CORNELIUS, DE
[72] SANCHEZ DE LA FUENTE, YAGO, DE
[72] SCHIERL, THOMAS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2019-02-07
[86] 2017-08-11 (PCT/EP2017/070444)
[87] (WO2018/029345)
[30] EP (16183900.6) 2016-08-11

[21] **3,033,258**
[13] A1

[51] **Int.Cl. H02J 3/32 (2006.01)**
[25] EN
[54] **PLUG AND PLAY WITH SMART ENERGY STORAGE UNITS**
[54] **UNITES DE STOCKAGE D'ENERGIE INTELLIGENTES PRETES A L'EMPLOI**
[72] CLIFTON, ERIC DOUGLASS, US
[72] EMANUEL, MICHAEL, US
[71] ORISON, INC., US
[85] 2019-02-06
[86] 2017-08-08 (PCT/US2017/045987)
[87] (WO2018/031595)
[30] US (62/372,268) 2016-08-08
[30] US (62/403,042) 2016-09-30
[30] US (62/459,498) 2017-02-15

[21] **3,033,259**
[13] A1

[51] **Int.Cl. A61K 38/29 (2006.01) A61K 9/20 (2006.01) A61K 31/195 (2006.01) A61P 19/08 (2006.01) A61P 19/10 (2006.01)**
[25] EN
[54] **FORMULATIONS FOR ORAL ADMINISTRATION OF ACTIVE AGENTS**
[54] **FORMULATIONS POUR L'ADMINISTRATION PAR VOIE ORALE D'AGENTS ACTIFS**
[72] BURSHTAIN, GREGORY, IL
[72] ROTHNER, ARIEL, IL
[72] SCHWARTZ, PHILLIP M., IL
[72] GALITZER, HILLEL, IL
[71] ENTERA BIO LTD., IL
[85] 2019-02-07
[86] 2017-08-17 (PCT/IL2017/050920)
[87] (WO2018/033927)
[30] US (62/375,989) 2016-08-17

[21] **3,033,261**
[13] A1

[51] **Int.Cl. A47L 5/36 (2006.01) A47L 9/00 (2006.01) A47L 9/32 (2006.01)**
[25] EN
[54] **VACUUM CLEANER HANDLE MOUNT ASSEMBLY**
[54] **ENSEMBLE SUPPORT DE MANCHE D'ASPIRATEUR**
[72] SEASHOLTZ, CRAIG A., US
[72] GOTTSCHALL, JASON, US
[72] GRIFFIN, JOHN, US
[71] SHOP VAC CORPORATION, US
[85] 2019-02-06
[86] 2017-09-13 (PCT/US2017/051256)
[87] (WO2018/057358)
[30] US (62/398,209) 2016-09-22

[21] **3,033,262**
[13] A1

[51] **Int.Cl. C07K 14/005 (2006.01) A61K 38/16 (2006.01)**
[25] EN
[54] **NOVEL IMMUNOSTIMULATING PEPTIDES**
[54] **NOUVEAUX PEPTIDES IMMUNOSTIMULANTS**
[72] BAHRAMI, SHERVIN, DK
[71] AIMVION A/S, DK
[85] 2019-02-07
[86] 2017-08-23 (PCT/EP2017/071228)
[87] (WO2018/037042)
[30] DK (PA 2016 70634) 2016-08-23
[30] DK (PCT/DK2016/050316) 2016-09-30
[30] EP (17165139.1) 2017-04-05

Demandes PCT entrant en phase nationale

[21] **3,033,263**
[13] A1

[51] **Int.Cl. E21B 10/36 (2006.01) E21B 10/627 (2006.01)**
[25] EN
[54] **DRILLING TOOL**
[54] **OUTIL D'EXCAVATION**
[72] NAKAMURA, KAZUYOSHI, JP
[72] TOMITA, YASUTAKA, JP
[71] MITSUBISHI MATERIALS CORPORATION, JP
[85] 2019-02-07
[86] 2017-08-09 (PCT/JP2017/028924)
[87] (WO2018/030464)
[30] JP (2016-156431) 2016-08-09

[21] **3,033,266**
[13] A1

[51] **Int.Cl. A61M 5/32 (2006.01)**
[25] EN
[54] **NEEDLE HUB FOR SUBCUTANEOUS INFUSION SET**
[54] **EMBASE D'AIGUILLE POUR ENSEMBLE DE PERFUSION SOUS-CUTANEE**
[72] SONDEREGGER, RALPH, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2019-02-06
[86] 2017-09-14 (PCT/US2017/051611)
[87] (WO2018/053162)
[30] US (62/395,203) 2016-09-15

[21] **3,033,267**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 35/761 (2015.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C07K 16/40 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **ADENOVIRUS ARMED WITH BISPECIFIC T CELL ENGAGER (BITE)**
[54] **ADENOVIRUS ARME AVEC DES ELEMENTS BISPECIFIQUES DE LIAISON AUX CELLULES T (BITE)**
[72] CHAMPION, BRIAN ROBERT, GB
[72] BROMLEY, ALICE CLAIRE NOEL, GB
[72] FREEDMAN, JOSHUA DAVID, GB
[72] FISHER, KERRY DAVID, GB
[72] SEYMOUR, LEONARD WILLIAM, GB
[71] PSIOXUS THERAPEUTICS LIMITED, GB
[85] 2019-02-07
[86] 2017-08-29 (PCT/EP2017/071655)
[87] (WO2018/041827)
[30] GB (1614607.8) 2016-08-29
[30] GB (1700663.6) 2017-01-13
[30] GB (1706219.1) 2017-04-19
[30] GB (1713765.4) 2017-08-28

[21] **3,033,269**
[13] A1

[51] **Int.Cl. A61B 17/56 (2006.01) A61B 17/72 (2006.01) A61B 17/86 (2006.01)**
[25] EN
[54] **INTRAMEDULLARY IMPLANT WITH PROXIMAL PLATE AND METHOD FOR ITS USE**
[54] **IMPLANT INTRAMEDULLAIRE A PLAQUE PROXIMALE ET SON PROCEDE D'UTILISATION**
[72] KAY, DAVID B., US
[72] PERERA, ANTHONY, GB
[72] DEN HARTOG, BRYAN, US
[72] DUCHARME, DUSTIN, US
[71] WRIGHT MEDICAL TECHNOLOGY, INC., US
[85] 2019-02-06
[86] 2017-09-15 (PCT/US2017/051765)
[87] (WO2018/053254)
[30] US (62/394,928) 2016-09-15
[30] US (15/704,195) 2017-09-14

[21] **3,033,270**
[13] A1

[51] **Int.Cl. B29C 43/32 (2006.01) B29C 43/12 (2006.01) B29C 70/44 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING FIBER-REINFORCED RESIN MOLDED ARTICLES**
[54] **PROCEDE DE PRODUCTION D'ARTICLES MOULES EN RESINE RENFORCEE DE FIBRES**
[72] MAEDA, MITSUTOSHI, JP
[72] TAKENO, KAZUMA, JP
[72] TOKUTOMI, HIROSHI, JP
[72] SATO, TETSUYA, JP
[72] KUGA, KAZUNORI, JP
[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[85] 2019-02-07
[86] 2017-08-09 (PCT/JP2017/028939)
[87] (WO2018/030470)
[30] JP (2016-156185) 2016-08-09

[21] **3,033,271**
[13] A1

[51] **Int.Cl. C07K 14/195 (2006.01) A23L 33/195 (2016.01) A61K 38/00 (2006.01) C07K 14/32 (2006.01)**
[25] EN
[54] **PHENYLALANINE-FREE PROTEIN FOR THE TREATMENT OF PKU**
[54] **PROTEINE SANS PHENYLALANINE POUR LE TRAITEMENT DE LA PKU**
[72] HOFFMANN, BERNHARD, DE
[72] MUCKE, YVONNE, DE
[72] RASCHE, STEFAN, DE
[72] JABLONKA, NATALIA, DE
[72] SCHILLBERG, STEFAN, DE
[71] METAX INSTITUT FUR DIATETIK GMBH, DE
[85] 2019-02-07
[86] 2017-08-30 (PCT/EP2017/071814)
[87] (WO2018/041920)
[30] EP (16186895.5) 2016-09-01

PCT Applications Entering the National Phase

[21] **3,033,272**
[13] A1

[51] **Int.Cl. A23K 50/10 (2016.01) A23K 20/142 (2016.01) A23K 20/158 (2016.01) A23K 20/174 (2016.01) A23K 40/10 (2016.01)**

[25] EN

[54] **FEED ADDITIVE COMPOSITION FOR RUMINANTS AND METHOD FOR MANUFACTURING SAME**

[54] **COMPOSITION D'ADDITIF ALIMENTAIRE POUR RUMINANTS ET SON PROCEDE DE FABRICATION**

[72] SHIBAHARA, SUSUMU, JP

[72] TANAKA, MASAYUKI, JP

[72] HARUNO, ATSUSHI, JP

[71] AJINOMOTO CO., INC., JP

[85] 2019-02-07

[86] 2017-08-09 (PCT/JP2017/028971)

[87] (WO2018/030476)

[30] JP (2016-157711) 2016-08-10

[21] **3,033,274**
[13] A1

[51] **Int.Cl. H04B 7/06 (2006.01)**

[25] EN

[54] **BEAM SWITCHING**

[54] **COMMUTATION DE FAISCEAU**

[72] NAGARAJA, SUMEETH, US

[72] LUO, TAO, US

[72] GUPTA, AJAY, US

[72] JOHN WILSON, MAKESH PRAVIN, US

[72] CHAKRABORTY, KAUSHIK, US

[72] AKKARAKARAN, SONY, US

[72] MENON, VINOD VISWANATHA, US

[71] QUALCOMM INCORPORATED, US

[85] 2019-02-06

[86] 2017-09-15 (PCT/US2017/051888)

[87] (WO2018/053339)

[30] US (62/396,082) 2016-09-16

[30] US (62/401,814) 2016-09-29

[30] US (62/504,412) 2017-05-10

[30] US (62/504,428) 2017-05-10

[30] US (15/705,148) 2017-09-14

[21] **3,033,275**
[13] A1

[51] **Int.Cl. A23G 1/00 (2006.01) A23G 1/30 (2006.01)**

[25] EN

[54] **LACTOBACILLUS-CONTAINING CHOCOLATE AND MANUFACTURING METHOD THEREFOR**

[54] **CHOCOLAT CONTENANT DU LACTOBACILLUS ET SON PROCEDE DE FABRICATION**

[72] ASHITANI, HIROAKI, JP

[72] KOYAMA, TOSHIYUKI, JP

[72] USAMIKRANK, YOKO, JP

[72] KABUKI, YUSUKE, JP

[72] YONEJIMA, YASUNORI, JP

[72] HISA, KEIKO, JP

[71] LOTTE CO., LTD., JP

[71] NITTO PHARMACEUTICAL INDUSTRIES, LTD., JP

[85] 2019-02-07

[86] 2017-08-10 (PCT/JP2017/029046)

[87] (WO2018/030505)

[30] JP (2016-158335) 2016-08-11

[21] **3,033,277**
[13] A1

[51] **Int.Cl. A61B 1/00 (2006.01) A61B 1/04 (2006.01) A61B 1/12 (2006.01) A61B 17/00 (2006.01) A61B 17/12 (2006.01) A61B 17/22 (2006.01) A61B 17/34 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR MANIPULATING THE SIDEWALL OF A BODY LUMEN OR BODY CAVITY**

[54] **PROCEDE ET APPAREIL POUR MANIPULER LA PAROI LATERALE D'UNE LUMIERE CORPORELLE OU D'UNE CAVITE CORPORELLE**

[72] CRUZ, AMOS, US

[72] O'KEEFE, JONATHAN, US

[72] CERIER, JEFFREY, US

[72] NGUYEN, TUAN ANH, US

[72] LEFEBVRE, LAURENCE, US

[71] LUMENDI LTD., GB

[85] 2019-02-06

[86] 2017-09-28 (PCT/US2017/054032)

[87] (WO2018/064343)

[30] US (62/400,948) 2016-09-28

[21] **3,033,278**
[13] A1

[51] **Int.Cl. G01C 21/16 (2006.01) G01S 19/47 (2010.01) G01S 19/49 (2010.01) A01B 69/00 (2006.01) A01B 79/00 (2006.01) G05D 1/02 (2006.01)**

[25] EN

[54] **USING OPTICAL SENSORS TO RESOLVE VEHICLE HEADING ISSUES**

[54] **UTILISATION DE CAPTEURS OPTIQUES POUR RESOUDRE DES PROBLEMES DE CAP DE VEHICULE**

[72] MADSEN, TOMMY ERTBOLLE, US

[72] SAPILEWSKI, GLEN, US

[72] SAKHARKAR, ANANT, US

[72] EICHNER, JEAN-MARIE, US

[72] DUMBLE, STEVEN J., US

[71] AGJUNCTION LLC, US

[85] 2019-02-06

[86] 2017-10-02 (PCT/US2017/054786)

[87] (WO2018/067473)

[30] US (62/403,364) 2016-10-03

[21] **3,033,280**
[13] A1

[51] **Int.Cl. A63F 1/12 (2006.01) A63F 1/14 (2006.01)**

[25] EN

[54] **CARD HANDLING DEVICES AND RELATED ASSEMBLIES AND COMPONENTS**

[54] **DISPOSITIFS DE MANIPULATION DE CARTES ET ENSEMBLES ET COMPOSANTS ASSOCIES**

[72] HELSEN, COLIN A., AU

[72] KRENN, PETER, AT

[71] SHUFFLE MASTER GMBH & CO KG, AT

[85] 2019-02-07

[86] 2017-09-21 (PCT/EP2017/073865)

[87] (WO2018/055020)

[30] US (62/399,980) 2016-09-26

[30] US (15/365,610) 2016-11-30

Demandes PCT entrant en phase nationale

[21] **3,033,281**
[13] A1

[51] **Int.Cl. D01D 5/06 (2006.01) C08K 3/04 (2006.01) D01F 1/04 (2006.01) D01F 6/04 (2006.01)**

[25] EN

[54] **UHMWPE FIBER, YARN AND ARTICLES THEREOF**

[54] **FIBRE UHMWPE, FIL ET ARTICLES ASSOCIES**

[72] VLASBLOM, MARTIN PIETER, NL

[72] DRIEMAN, JOHANNES GABRIEL MARIE, NL

[72] GIJSMAN, PIETER, NL

[71] DSM IP ASSETS B.V., NL

[85] 2019-02-07

[86] 2017-09-25 (PCT/EP2017/074199)

[87] (WO2018/060127)

[30] EP (16190869.4) 2016-09-27

[21] **3,033,291**
[13] A1

[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

[71] 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

[21] **3,033,302**
[13] A1

[51] **Int.Cl. F24F 7/08 (2006.01) F24F 7/007 (2006.01)**

[25] EN

[54] **HEAT EXCHANGE-TYPE VENTILATION DEVICE**

[54] **DISPOSITIF DE VENTILATION DE TYPE A ECHANGE DE CHALEUR**

[72] IIO, KOUJI, JP

[72] FUNADA, NAOYUKI, JP

[71] PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD., JP

[85] 2019-02-07

[86] 2017-09-15 (PCT/JP2017/033390)

[87] (WO2018/056191)

[30] JP (2016-186423) 2016-09-26

[30] JP (2017-143647) 2017-07-25

[21] **3,033,282**
[13] A1

[51] **Int.Cl. H04N 21/434 (2011.01) H04N 21/4363 (2011.01)**

[25] EN

[54] **A METHOD AND A SYSTEM FOR PRESENTING MEDIA**

[54] **PROCEDE ET SYSTEME DE PRESENTATION DE SUPPORT**

[72] TULL, GRAHAM, GB

[71] POWERCHORD GROUP LIMITED, GB

[85] 2019-02-07

[86] 2017-08-08 (PCT/GB2017/052335)

[87] (WO2018/029463)

[30] GB (1613588.1) 2016-08-08

[21] **3,033,293**
[13] A1

[51] **Int.Cl. D01C 1/02 (2006.01) B01J 19/00 (2006.01) B01J 23/00 (2006.01) C01B 15/01 (2006.01)**

[25] EN

[54] **DECORTICATION METHODS FOR PRODUCING RAW MATERIALS FROM PLANT BIOMASS**

[54] **PROCEDES DE DECORTICATION POUR LA PRODUCTION DE MATIERES PREMIERES A PARTIR D'UNE BIOMASSE VEGETALE**

[72] POWARS, ADAM, US

[71] 9FIBER, INC., US

[85] 2019-02-07

[86] 2016-08-12 (PCT/US2016/046799)

[87] (WO2017/027812)

[30] US (14/826,093) 2015-08-13

[21] **3,033,313**
[13] A1

[51] **Int.Cl. A01N 43/54 (2006.01) A01N 43/56 (2006.01) A01N 43/90 (2006.01) A01P 7/00 (2006.01)**

[25] EN

[54] **METHOD FOR CONTROLLING PESTS IN MODIFIED PLANTS**

[54] **METHODE DE LUTTE CONTRE DES RAVAGEURS DANS LES PLANTES MODIFIEES**

[72] SOERGEL, SEBASTIAN, DE

[72] GOCKEL, BIRGIT, DE

[72] AREVALO, HECTOR ALEJANDRO, US

[72] POHLMAN, MATTHIAS, US

[71] BASF SE, DE

[85] 2019-02-06

[86] 2017-08-22 (PCT/EP2017/071103)

[87] (WO2018/041665)

[30] EP (16186194.3) 2016-08-30

[30] EP (16187320.3) 2016-09-06

[21] **3,033,283**
[13] A1

[51] **Int.Cl. B63C 13/00 (2006.01) B60F 3/00 (2006.01)**

[25] EN

[54] **BOAT WITH RETRACTABLE WHEELS**

[54] **BATEAU A ROUES RETRACTABLES**

[72] RYAN, ANDREW VINCENT, AU

[71] FRESWIN ENGINEERING PTY LTD, AU

[85] 2018-12-10

[86] 2017-06-13 (PCT/AU2017/050588)

[87] (WO2017/214667)

[30] AU (2016902286) 2016-06-13

PCT Applications Entering the National Phase

[21] **3,033,314**
[13] A1

[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/158 (2006.01) A61M 5/162 (2006.01)**
[25] EN
[54] **DRUG DELIVERY DEVICE AND METHOD FOR CONNECTING A FLUID FLOWPATH**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT ET METHODE POUR CONNECTER UNE VOIE D'ECOULEMENT DE FLUIDE**
[72] DECHELETTE, ALEXIS MARIE ADOLPHE, US
[72] RUSSO, ROBERT S., US
[72] LAURENCE, LAWTON, US
[72] DEVITT, SHAUN R., US
[71] UNL HOLDINGS LLC, US
[85] 2019-02-06
[86] 2017-08-08 (PCT/IB2017/000937)
[87] (WO2018/029520)
[30] US (62/372,167) 2016-08-08
[30] US (62/412,532) 2016-10-25

[21] **3,033,315**
[13] A1

[51] **Int.Cl. H04M 11/04 (2006.01)**
[25] EN
[54] **WEARABLE TRANSPONDER(S), ALERT AND MONITORING SYSTEM**
[54] **SYSTEME D'ALERTE ET DE SURVEILLANCE**
[72] JOHNSTON-MITCHELL, KAYLA SIMONE, US
[71] JOHNSTON-MITCHELL, KAYLA SIMONE, US
[85] 2019-02-06
[86] 2017-08-07 (PCT/US2017/000044)
[87] (WO2018/031059)
[30] US (62/494,402) 2016-08-08

[21] **3,033,316**
[13] A1

[51] **Int.Cl. H05B 33/08 (2006.01) H05B 37/03 (2006.01)**
[25] EN
[54] **METHOD OF LIGHT UNIT REPLACEMENT**
[54] **PROCEDE DE REMPLACEMENT D'UNITE D'ECLAIRAGE**
[72] LEYDECKER, STEPHEN HAIGHT, NL
[72] SAES, MARC, NL
[71] ELDOLAB HOLDING B.V., NL
[85] 2019-02-06
[86] 2017-08-10 (PCT/NL2017/050529)
[87] (WO2018/030895)
[30] NL (2017308) 2016-08-11

[21] **3,033,317**
[13] A1

[51] **Int.Cl. B29C 70/38 (2006.01) B29C 70/08 (2006.01)**
[25] FR
[54] **METHOD FOR PRODUCING COMPOSITE MATERIAL PARTS BY IMPREGNATING A SPECIFIC PREFORM**
[54] **PROCEDE DE REALISATION DE PIECES EN MATERIAU COMPOSITE PAR IMPREGNATION D'UNE PREFORME PARTICULIERE**
[72] HAMLIN, ALEXANDER, FR
[72] JOB, SOPHIE, FR
[71] CORIOLIS GROUP, FR
[85] 2019-02-07
[86] 2017-09-22 (PCT/FR2017/000176)
[87] (WO2018/060559)
[30] FR (16 70556) 2016-09-27

[21] **3,033,318**
[13] A1

[51] **Int.Cl. G01N 33/08 (2006.01) A01K 45/00 (2006.01)**
[25] EN
[54] **EGG INSPECTION DEVICE**
[54] **DISPOSITIF POUR EXAMINER LES \square UFS**
[72] EINSPANIER, ALMUTH, DE
[71] SELEGGT GMBH, DE
[85] 2019-02-07
[86] 2017-08-04 (PCT/EP2017/069769)
[87] (WO2018/029096)
[30] DE (10 2016 215 127.4) 2016-08-12

[21] **3,033,319**
[13] A1

[51] **Int.Cl. A61K 9/14 (2006.01) A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 31/00 (2006.01)**
[25] EN
[54] **SOLID PHARMACEUTICAL COMPOSITION COMPRISING AMORPHOUS SOFOSBUVIR**
[54] **COMPOSITION PHARMACEUTIQUE SOLIDE COMPRENANT DU SOFOSBUVIR AMORPHE.**
[72] SEMINARA, STEFANO, AT
[72] TAJCHERT, AGNIESZKA, AT
[72] SCHWARZ, FRANZ, AT
[71] SANDOZ AG, CH
[85] 2019-02-07
[86] 2017-08-09 (PCT/EP2017/070215)
[87] (WO2018/029262)
[30] EP (16184053.3) 2016-08-12

[21] **3,033,320**
[13] A1

[51] **Int.Cl. F03D 80/00 (2016.01) F03D 80/10 (2016.01) F03D 80/30 (2016.01) F03D 80/40 (2016.01)**
[25] EN
[54] **LUMINOUS ELEMENT AND METHOD FOR ILLUMINATING A COMPONENT OF A WIND ENERGY INSTALLATION, AND COMPONENTS FOR A WIND ENERGY INSTALLATION AND WIND ENERGY INSTALLATION**
[54] **ELEMENT LUMINEUX ET PROCEDE PERMETTANT D'ECLAIRER UN ELEMENT STRUCTURAL D'UNE EOLIENNE, AINSI QU'ELEMENTS STRUCTURAUX POUR UNE EOLIENNE ET EOLIENNE**
[72] HARMS, STEPHAN, DE
[72] HOFFMANN, ALEXANDER, DE
[72] GROENHAGEN, JANNES, DE
[72] VINKE, DANIEL, DE
[72] SZYMKOWIAK, FELIX, DE
[71] WOBLEN PROPERTIES GMBH, DE
[85] 2019-02-07
[86] 2017-08-09 (PCT/EP2017/070252)
[87] (WO2018/029281)
[30] DE (10 2016 114 717.6) 2016-08-09

Demandes PCT entrant en phase nationale

[21] **3,033,321**
[13] A1

[51] **Int.Cl. A01N 37/02 (2006.01)**
[25] EN
[54] **USE OF COMPOSITIONS COMPRISING PELARGONIC ACID AND SPECIFIC NON IONIC SURFACTANTS FOR INHIBITING THE GROWTH OF SUCKERS ON PLANTS**

[54] **UTILISATION DE COMPOSITIONS COMPRENANT DE L'ACIDE PELARGONIQUE ET DE TENSIOACTIFS NON IONIQUES SPECIFIQUES DESTINES A INHIBER LA CROISSANCE DE DRAGEONS SUR LES PLANTES**

[72] VAN POTTELBERGE, STEVEN, BE
[72] DESNOUCK, JOHAN, BE
[72] NGUYEN, CAROLINE, BE
[71] BELCHIM CROP PROTECTION NV, BE

[85] 2019-02-07
[86] 2017-08-18 (PCT/EP2017/070914)
[87] (WO2018/033617)
[30] EP (16184747.0) 2016-08-18

[21] **3,033,322**
[13] A1

[51] **Int.Cl. F16L 33/207 (2006.01) F16L 47/24 (2006.01)**

[25] EN
[54] **HYBRID FITTING FOR CONNECTING TO AN END OF A PIPE**

[54] **RACCORD HYBRIDE POUR RACCORDEMENT A UNE EXTREMITE D'UN TUYAU**

[72] DITTMAR, RAINER, DE
[72] MULLER, STEPHAN, DE
[71] UPONOR INNOVATION AB, SE

[85] 2019-02-07
[86] 2017-08-31 (PCT/EP2017/071893)
[87] (WO2018/046388)
[30] DE (10 2016 116 652.9) 2016-09-06

[21] **3,033,323**
[13] A1

[51] **Int.Cl. G06Q 20/34 (2012.01) G06Q 20/38 (2012.01) G06Q 20/40 (2012.01) G07F 7/08 (2006.01)**

[25] EN
[54] **PREPAID, DEBIT AND CREDIT CARD SECURITY CODE GENERATION SYSTEM**

[54] **SYSTEME DE GENERATION DE CODE DE SECURITE DE CARTE PREPAYEE DE CREDIT ET DE DEBIT**

[72] ESSEBAG, JACQUES, BE
[72] POCHIC, SEBASTIEN, BE
[71] ELLIPSE WORLD S.A., BE

[85] 2019-02-07
[86] 2017-08-03 (PCT/IB2017/054770)
[87] (WO2018/029581)
[30] US (15/230,989) 2016-08-08
[30] US (15/231,069) 2016-08-08
[30] US (15/242,939) 2016-08-22

[21] **3,033,324**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A61M 15/06 (2006.01)**

[25] EN
[54] **RECEPTACLE, CARTRIDGE, APPARATUS AND METHODS FOR GENERATING AN INHALABLE MEDIUM**

[54] **RECEPTACLE, CARTOUCHE, APPAREIL ET PROCEDES POUR PRODUIRE UN MILIEU A INHALER**

[72] YILMAZ, UGURHAN, GB
[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB

[85] 2019-02-06
[86] 2017-08-08 (PCT/EP2017/070049)
[87] (WO2018/029186)
[30] GB (1613688.9) 2016-08-09

[21] **3,033,325**
[13] A1

[51] **Int.Cl. A01N 25/04 (2006.01) A01N 59/02 (2006.01)**

[25] EN
[54] **COMBINED USES OF A PHOSPHOROUS COMPOUND FOR IRON SULPHIDE DISSOLUTION AND BACTERIAL CONTROL**

[54] **UTILISATIONS COMBINEES D'UN COMPOSE PHOSPHORE POUR LA DISSOLUTION DE SULFURE DE FER ET LA LUTTE CONTRE LES BACTERIES**

[72] JONES, CHRIS, GB
[72] EDMUNDS, STEPHANIE, GB
[72] FELLOWS, ALAN CHRISTOPHER, GB

[72] COLLINS, GARETH, US
[71] RHODIA OPERATIONS, FR

[85] 2019-02-06
[86] 2017-08-09 (PCT/US2017/046007)
[87] (WO2018/031607)
[30] US (62/372,904) 2016-08-10

[21] **3,033,326**
[13] A1

[51] **Int.Cl. G06Q 20/34 (2012.01) G06Q 20/38 (2012.01) G06Q 20/40 (2012.01) G07F 7/08 (2006.01)**

[25] EN
[54] **METHOD FOR A PREPAID, DEBIT AND CREDIT CARD SECURITY CODE GENERATION SYSTEM**

[54] **PROCEDE POUR UN SYSTEME DE GENERATION DE CODE DE SECURITE DE CARTE PREPAYEE DE CREDIT ET DE DEBIT**

[72] ESSEBAG, JACQUES, BE
[72] POCHIC, SEBASTIEN, BE
[71] ELLIPSE WORLD S.A., BE

[85] 2019-02-07
[86] 2017-08-03 (PCT/IB2017/054774)
[87] (WO2018/029582)
[30] US (15/231,069) 2016-08-08

PCT Applications Entering the National Phase

[21] **3,033,327**
[13] A1

[51] **Int.Cl. C12N 9/22 (2006.01) A61K 48/00 (2006.01) C12N 15/11 (2006.01)**

[25] EN

[54] **PROGRAMMABLE CAS9-RECOMBINASE FUSION PROTEINS AND USES THEREOF**

[54] **PROTEINES DE FUSION CAS9-RECOMBINASE PROGRAMMABLES ET UTILISATIONS ASSOCIEES**

[72] LIU, DAVID R., US

[72] CHAIKIND, BRIAN, US

[72] BESSEN, JEFFREY L., US

[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US

[85] 2019-02-06

[86] 2017-08-09 (PCT/US2017/046144)

[87] (WO2018/031683)

[30] US (62/372,755) 2016-08-09

[30] US (62/456,048) 2017-02-07

[21] **3,033,328**
[13] A1

[51] **Int.Cl. G01R 33/383 (2006.01) H01F 7/02 (2006.01)**

[25] EN

[54] **DEVICE, SYSTEM AND METHOD FOR OBTAINING A MAGNETIC MEASUREMENT WITH PERMANENT MAGNETS**

[54] **DISPOSITIF, SYSTEME ET PROCEDE PERMETTANT D'OBTENIR UNE MESURE MAGNETIQUE AU MOYEN D'AIMANTS PERMANENTS**

[72] RAPOPORT, URI, IL

[72] GOLDFARB, YAIR, IL

[72] COHEN, YORAM, IL

[71] ASPECT IMAGING LTD., IL

[85] 2019-02-07

[86] 2017-03-26 (PCT/IL2017/050371)

[87] (WO2018/029666)

[30] US (62/372,065) 2016-08-08

[30] US (15/402,438) 2017-01-10

[21] **3,033,329**
[13] A1

[51] **Int.Cl. C07C 47/21 (2006.01) A23L 27/00 (2016.01) A23L 27/30 (2016.01) A23G 4/06 (2006.01)**

[25] EN

[54] **TASTE MODULATING ALDEHYDES**

[54] **ALDEHYDES MODULANT LE GOUT**

[72] LOMBARDO, LOUIS J., US

[72] LANKIN, MICHAEL E., US

[72] BLANDINO, MAUREEN, US

[72] TARTAGLIA, JENNIFER B., US

[71] TAKASAGO INTERNATIONAL CORPORATION, JP

[85] 2019-02-06

[86] 2017-09-11 (PCT/US2017/051013)

[87] (WO2018/049352)

[30] US (62/385,507) 2016-09-09

[21] **3,033,330**
[13] A1

[51] **Int.Cl. C01B 25/047 (2006.01)**

[25] EN

[54] **METHOD FOR THE PURIFICATION OF YELLOW PHOSPHOR**

[54] **PROCEDE POUR PURIFIER DU PHOSPHORE BLANC**

[72] HANSEL, JAN-GERD, DE

[72] JANSEN, ROLF-MICHAEL, DE

[72] ROSENOW, BERND, DE

[71] LANXESS DEUTSCHLAND GMBH, DE

[85] 2019-02-06

[86] 2017-07-07 (PCT/EP2017/067111)

[87] (WO2018/028905)

[30] EP (16183207.6) 2016-08-08

[21] **3,033,331**
[13] A1

[51] **Int.Cl. G03F 7/20 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR LITHOGRAPHICALLY PRODUCING A TARGET STRUCTURE ON A NON-PLANAR INITIAL STRUCTURE**

[54] **PROCEDE ET DISPOSITIF DE GENERATION LITHOGRAPHIQUE D'UNE STRUCTURE CIBLE SUR UNE STRUCTURE INITIALE NON PLANE**

[72] KOOS, CHRISTIAN, DE

[72] HOOSE, TOBIAS, DE

[72] DIETRICH, PHILIPP-IMMANUEL, DE

[72] BLAICHER, MATTHIAS, DE

[72] GODECKE, MARIA LAURA, DE

[72] LINDENMANN, NICOLE, DE

[71] KARLSRUHER INSTITUT FUR TECHNOLOGIE, DE

[85] 2019-02-05

[86] 2017-08-04 (PCT/EP2017/069764)

[87] (WO2018/024872)

[30] DE (10 2016 214 606.8) 2016-08-05

[21] **3,033,332**
[13] A1

[51] **Int.Cl. G06F 3/038 (2013.01) G06F 3/0338 (2013.01) A63F 13/20 (2014.01)**

[25] FR

[54] **METHOD FOR CONTROLLING A DISPLAY ELEMENT BY A GAMES CONSOLE**

[54] **PROCEDE DE CONTROLE D'UN ELEMENT D'AFFICHAGE PAR UNE CONSOLE DE JEUX**

[72] FALC, ALAIN, BE

[72] ALLAERT, YANNICK, FR

[72] NOTEBAERT, ALEXANDRE, FR

[72] DUDOYER, STEPHEN, FR

[71] BIGBEN INTERACTIVE SA, FR

[85] 2019-02-07

[86] 2017-08-17 (PCT/EP2017/070812)

[87] (WO2018/033590)

[30] EP (16185052.4) 2016-08-19

Demandes PCT entrant en phase nationale

[21] **3,033,333**
[13] A1

[51] **Int.Cl. A23L 33/175 (2016.01) A61K 31/198 (2006.01) C12P 13/12 (2006.01)**
[25] EN
[54] **NUTRITIONAL TREATMENT FOR CANCER**
[54] **TRAITEMENT NUTRITIONNEL ANTICANCEREUX**
[72] LI, XIYAN, US
[72] SNYDER, MICHAEL, US
[72] WANG, XIN, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2019-02-07
[86] 2016-09-20 (PCT/US2016/052720)
[87] (WO2017/053328)
[30] US (62/221,589) 2015-09-21

[21] **3,033,334**
[13] A1

[51] **Int.Cl. C12N 15/09 (2006.01) C12N 1/21 (2006.01) C12P 13/04 (2006.01) C12P 13/08 (2006.01)**
[25] EN
[54] **PRODUCTION METHOD FOR L-AMINO ACID**
[54] **PROCEDE DE PRODUCTION D'ACIDE L-AMINE**
[72] YAMADA, KAZUTERU, JP
[72] ZHANG, YE, JP
[72] ABE, KENJI, JP
[72] IWANAGA, NAOKI, JP
[72] TAKESHITA, RYO, JP
[72] UEHARA, YURI, JP
[72] HIKICHI, CHIKA, JP
[72] OOTA, YASUHIRO, JP
[71] AJINOMOTO CO., INC., JP
[85] 2019-02-07
[86] 2017-08-10 (PCT/JP2017/029050)
[87] (WO2018/030507)
[30] JP (2016-157800) 2016-08-10

[21] **3,033,335**
[13] A1

[51] **Int.Cl. G07F 17/32 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND GAMING MACHINES HAVING ADJUSTABLE PROGRESSIVE AWARDS**
[54] **SYSTEMES, PROCEDES ET MACHINES DE JEU AYANT DES RECOMPENSES PROGRESSIVES REGLABLES**
[72] CZUBAK, ROMAN, AT
[71] NOVOMATIC AG, AT
[85] 2019-02-07
[86] 2017-08-21 (PCT/IB2017/001155)
[87] (WO2018/037282)
[30] US (62/379,642) 2016-08-25
[30] US (15/362,469) 2016-11-28

[21] **3,033,336**
[13] A1

[51] **Int.Cl. E21B 33/04 (2006.01) E21B 19/07 (2006.01) E21B 19/10 (2006.01)**
[25] EN
[54] **SLIP MONITOR AND CONTROL**
[54] **SURVEILLANCE ET COMMANDE DE COINS**
[72] ZOUHAIR, AICAM, US
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2019-02-07
[86] 2017-08-01 (PCT/US2017/044811)
[87] (WO2018/034832)
[30] US (15/242,313) 2016-08-19

[21] **3,033,337**
[13] A1

[51] **Int.Cl. F21S 8/02 (2006.01) F21S 8/04 (2006.01) F21V 21/04 (2006.01)**
[25] EN
[54] **RETROFIT LED LIGHT PANEL**
[54] **PANNEAU LUMINEUX A LED DE RATRAPAGE**
[72] BLAIR, GEORGE R., US
[72] BLAIR, JEFF R., US
[72] DOCHERTY, JAMES, US
[72] NOON, BRENT R., US
[71] THE LED SOURCE, INC., US
[85] 2019-02-07
[86] 2017-06-14 (PCT/US2017/037432)
[87] (WO2018/034726)
[30] US (62/376,301) 2016-08-17
[30] US (15/340,322) 2016-11-01

[21] **3,033,338**
[13] A1

[51] **Int.Cl. E02F 3/36 (2006.01) E02F 9/24 (2006.01)**
[25] EN
[54] **DOUBLE SAFETY DEVICE FOR QUICK COUPLER**
[54] **DISPOSITIF A SECURITE INTEGREE POUR RACCORD RAPIDE**
[72] JO, YOUNG HUM, KR
[71] DAEMO ENGINEERING CO., LTD., KR
[85] 2019-02-07
[86] 2016-08-18 (PCT/KR2016/009084)
[87] (WO2018/034362)

[21] **3,033,339**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/02 (2012.01) A01B 79/00 (2006.01)**
[25] EN
[54] **AUTOMATICALLY DETECTING OUTLIER VALUES IN HARVESTED DATA**
[54] **DETECTION AUTOMATIQUE DE VALEURS ABERRANTES DANS DES DONNEES RECOLTEES**
[72] LI, YIQUN, US
[72] GERARD, JEFFREY, US
[71] THE CLIMATE CORPORATION, US
[85] 2019-02-07
[86] 2017-06-27 (PCT/US2017/039468)
[87] (WO2018/031129)
[30] US (15/234,920) 2016-08-11

[21] **3,033,340**
[13] A1

[51] **Int.Cl. H04W 36/02 (2009.01) H04W 28/10 (2009.01) H04W 36/08 (2009.01) H04W 88/14 (2009.01)**
[25] EN
[54] **CORE NETWORK AND BASE STATION**
[54] **RESEAU CENTRAL ET STATION DE BASE**
[72] HAPSARI, WURI
[72] ANDARMAWANTI, JP
[72] UCHINO, TOORU, JP
[72] TAKAHASHI, HIDEAKI, JP
[72] MATSUKAWA, RYUSUKE, JP
[71] NTT DOCOMO, INC., JP
[85] 2019-02-07
[86] 2017-08-14 (PCT/JP2017/029324)
[87] (WO2018/030545)
[30] JP (2016-158761) 2016-08-12

PCT Applications Entering the National Phase

[21] **3,033,341**
[13] A1

[51] **Int.Cl. E02F 9/12 (2006.01) E02F 9/20 (2006.01) E02F 9/22 (2006.01)**

[25] EN

[54] **CLOSED-LOOP CONTROL OF SWING**

[54] **COMMANDE EN BOUCLE FERMEE DE L'OSCILLATION**

[72] VONDERWELL, MARK P., US

[72] SEEGER, DOUGLAS W., US

[72] WILLIAMSON, CHRISTOPHER A., US

[71] CATERPILLAR INC., US

[85] 2019-02-07

[86] 2017-07-25 (PCT/US2017/043606)

[87] (WO2018/031228)

[30] US (15/235,785) 2016-08-12

[21] **3,033,342**
[13] A1

[51] **Int.Cl. H01F 38/14 (2006.01) A61B 1/005 (2006.01) A61M 37/00 (2006.01) B25J 5/00 (2006.01) B25J 7/00 (2006.01) B25J 9/16 (2006.01) H01F 5/02 (2006.01)**

[25] EN

[54] **MAGNETIC FIELD CONTROL SYSTEM**

[54] **SYSTEME DE COMMANDE DE CHAMP MAGNETIQUE**

[72] JANG, GUNHEE, KR

[72] NAM, JAEKWANG, KR

[72] LEE, WONSEO, KR

[72] JANG, BONGJUN, KR

[71] IUCF-HYU(INDUSTRY-UNIVERSITY COOPERATION FOUNDATION HANYANG UNIVERSITY), KR

[85] 2019-02-07

[86] 2017-04-14 (PCT/KR2017/004070)

[87] (WO2018/030610)

[30] KR (10-2016-0101756) 2016-08-10

[30] KR (10-2016-0120698) 2016-09-21

[30] KR (10-2016-0126395) 2016-09-30

[21] **3,033,343**
[13] A1

[51] **Int.Cl. H01L 39/24 (2006.01) H01L 39/22 (2006.01)**

[25] EN

[54] **SUPERCONDUCTOR DEVICE INTERCONNECT STRUCTURE**

[54] **STRUCTURE D'INTERCONNEXION DE DISPOSITIF SUPRACONDUCTEUR**

[72] KIRBY, CHRISTOPHER F., US

[72] RENNIE, MICHAEL, US

[72] O'DONNELL, DANIEL J., US

[71] NORTHROP GRUMMAN SYSTEMS CORPORATION, US

[85] 2019-02-07

[86] 2017-07-25 (PCT/US2017/043669)

[87] (WO2018/075116)

[30] US (15/238,375) 2016-08-16

[21] **3,033,344**
[13] A1

[51] **Int.Cl. G06T 19/20 (2011.01) G06T 17/05 (2011.01) G06T 15/20 (2011.01)**

[25] EN

[54] **AUTOMATIC PLACEMENT OF A VIRTUAL OBJECT IN A THREE-DIMENSIONAL SPACE**

[54] **PLACEMENT AUTOMATIQUE D'UN OBJET VIRTUEL DANS UN ESPACE TRIDIMENSIONNEL**

[72] HOOVE, PAUL ARMISTEAD, US

[72] MANN, JONATHAN LAWRENCE, US

[71] MAGIC LEAP, INC., US

[85] 2019-02-07

[86] 2017-08-09 (PCT/US2017/046034)

[87] (WO2018/031621)

[30] US (62/373,693) 2016-08-11

[30] US (62/373,692) 2016-08-11

[21] **3,033,345**
[13] A1

[51] **Int.Cl. H04W 72/00 (2009.01)**

[25] EN

[54] **SIGNALING METHODS AND APPARATUS**

[54] **PROCEDES ET APPAREIL DE SIGNALISATION**

[72] EYER, MARK, US

[72] FAY, LUKE, US

[71] SONY CORPORATION, JP

[85] 2019-02-07

[86] 2017-07-27 (PCT/US2017/044122)

[87] (WO2018/034817)

[30] US (15/237,242) 2016-08-15

[21] **3,033,346**
[13] A1

[51] **Int.Cl. G01R 33/28 (2006.01) A61B 5/05 (2006.01) A61B 5/055 (2006.01) A61K 49/06 (2006.01) A61K 49/10 (2006.01) A61K 49/12 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR MICROFLUIDIC PARAHYDROGEN INDUCED POLARIZATION HYPERPOLARIZER FOR MAGNETIC RESONANCE IMAGING (MRI) AND NUCLEAR MAGNETIC RESONANCE (NMR) APPLICATIONS**

[54] **SYSTEME ET PROCEDE POUR DISPOSITIF D'HYPERPOLARISATION A POLARISATION INDUITE PAR PARAHYDROGENE MICROFLUIDIQUE POUR DES APPLICATIONS D'IMAGERIE PAR RESONANCE MAGNETIQUE (IRM) ET DE RESONANCE MAGNETIQUE NUCLEAIRE (RMN)**

[72] ALSOP, DAVID, US

[72] GRANT, AARON, US

[71] BETH ISRAEL DEACONESS MEDICAL CENTER, INC., US

[85] 2019-02-07

[86] 2017-08-09 (PCT/US2017/046054)

[87] (WO2018/031629)

[30] US (62/372,554) 2016-08-09

[21] **3,033,347**
[13] A1

[51] **Int.Cl. E21B 23/00 (2006.01) E21B 41/00 (2006.01)**

[25] EN

[54] **MAGNETIC PULSE ACTUATION ARRANGEMENT FOR DOWNHOLE TOOLS AND METHOD**

[54] **AGENCEMENT D'ACTIONNEMENT A IMPULSIONS MAGNETIQUES POUR OUTILS DE FOND DE TROU ET PROCEDE**

[72] PRIETO, CARLOS, US

[72] HERN, CHRISTOPHER RYAN, US

[72] EWING, DANIEL, US

[71] BAKER HUGHES, A GE COMPANY, LLC, US

[85] 2019-02-07

[86] 2017-08-10 (PCT/US2017/046298)

[87] (WO2018/031775)

[30] US (62/374,150) 2016-08-12

[30] US (62/423,619) 2016-11-17

Demandes PCT entrant en phase nationale

[21] **3,033,348**
[13] A1

[51] **Int.Cl. E21B 23/00 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **LOW PROFILE REMOTE TRIGGER FOR HYDROSTATICALLY SET BOREHOLE TOOLS**
[54] **DECLENCHEUR A DISTANCE A TAILLE REDUITE POUR OUTILS DE FORAGE A REGLAGE HYDROSTATIQUE**
[72] O'CONNOR, KEVEN, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2019-02-07
[86] 2017-08-09 (PCT/US2017/046091)
[87] (WO2018/031651)
[30] US (15/234,716) 2016-08-11

[21] **3,033,349**
[13] A1

[51] **Int.Cl. H04N 21/433 (2011.01) H04N 21/472 (2011.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PERFORMING ADAPTIVE SCHEDULING OF MEDIA ASSET RECORDINGS**
[54] **SYSTEMES ET PROCEDES PERMETTANT D'EFFECTUER UNE PROGRAMMATION ADAPTATIVE D'ENREGISTREMENTS DE CONTENUS MULTIMEDIA**
[72] GUPTA, AJAY KUMAR, US
[72] PULIKUNTA, SAI RAHUL REDDY, US
[71] ROVI GUIDES, INC., US
[85] 2019-02-07
[86] 2017-07-27 (PCT/US2017/044203)
[87] (WO2018/031245)
[30] US (15/236,132) 2016-08-12

[21] **3,033,350**
[13] A1

[51] **Int.Cl. B01D 45/12 (2006.01)**
[25] EN
[54] **IN-LINE SWIRL VORTEX SEPARATOR**
[54] **SEPARATEUR VORTEX TOURBILLONNAIRE EN LIGNE**
[72] BRATTON, RODNEY ALLAN, CA
[71] BRATTON, RODNEY ALLAN, CA
[85] 2019-02-07
[86] 2017-08-08 (PCT/CA2017/050939)
[87] (WO2018/027314)
[30] US (62/372,640) 2016-08-09

[21] **3,033,351**
[13] A1

[51] **Int.Cl. A61K 9/08 (2006.01) A61K 31/047 (2006.01) A61P 27/16 (2006.01)**
[25] EN
[54] **NOVEL COMPOSITIONS AND METHODS FOR CERUMEN REMOVAL**
[54] **NOUVELLES COMPOSITIONS ET PROCEDES D'ELIMINATION DE CERUMEN**
[72] GRIFFIN, JOE, US
[72] ANDERSON, ERIC, US
[71] EOSERA INC., US
[85] 2019-02-07
[86] 2017-08-09 (PCT/US2017/046121)
[87] (WO2018/034910)
[30] US (62/374,888) 2016-08-14

[21] **3,033,352**
[13] A1

[51] **Int.Cl. A45C 13/02 (2006.01) A45C 13/18 (2006.01) B65D 81/05 (2006.01)**
[25] EN
[54] **A SURVIVABLE TRAVEL CASE**
[54] **MALLETTE DE VOYAGE POUVANT SURVIVRE**
[72] BARRON, JACK, US
[71] BARRON, JACK, US
[85] 2019-02-07
[86] 2017-07-28 (PCT/US2017/044392)
[87] (WO2018/006103)
[30] US (62/355,455) 2016-06-28
[30] US (15/418,672) 2017-01-27

[21] **3,033,353**
[13] A1

[51] **Int.Cl. A63B 59/70 (2015.01) A63B 53/00 (2015.01) A63B 59/00 (2015.01) A63B 69/00 (2006.01) A63B 71/08 (2006.01)**
[25] EN
[54] **RECOVERY MATERIALS FOR CORE CONSTRUCTS AND METHODS FOR REPAIRING CORE CONSTRUCTS**
[54] **MATERIAUX A MEMOIRE DE FORME POUR STRUCTURES D'AME ET PROCEDES DE REPARATION DE STRUCTURES D'AME**
[72] CHAMBERT, MARTIN, CA
[71] BAUER HOCKEY LTD., US
[85] 2019-02-07
[86] 2017-08-09 (PCT/US2017/046141)
[87] (WO2018/031682)
[30] US (15/235,206) 2016-08-12

[21] **3,033,354**
[13] A1

[51] **Int.Cl. A61B 17/56 (2006.01) A61B 17/58 (2006.01) A61B 17/68 (2006.01) A61B 17/70 (2006.01) A61B 17/86 (2006.01) A61F 2/00 (2006.01) A61F 2/28 (2006.01)**
[25] EN
[54] **INTERVERTEBRAL DISC REPLACEMENT**
[54] **REMPLACEMENT DE DISQUE INTERVERTEBRAL**
[72] YADIN, AMNON, IL
[72] LIEBERMAN, ISADOR HARRY, US
[72] DAGAN, ADI, IL
[72] FLEISCHMANN, YORAM, IL
[71] AGADA MEDICAL LTD., IL
[85] 2019-02-07
[86] 2017-08-10 (PCT/US2017/046339)
[87] (WO2018/031801)
[30] US (15/234,923) 2016-08-11

[21] **3,033,355**
[13] A1

[51] **Int.Cl. A61F 9/008 (2006.01)**
[25] EN
[54] **EPITHELIAL ABLATION SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES D'ABLATION EPITHELIAL A LA VAPEUR.**
[72] LOGAN, BENJAMIN, US
[72] MEHTA-HURT, DEEPALI, US
[72] CHERNYAK, DIMITRI, US
[71] AMO DEVELOPMENT, LLC, US
[85] 2019-02-07
[86] 2017-08-10 (PCT/US2017/046355)
[87] (WO2018/031812)
[30] US (62/373,217) 2016-08-10

[21] **3,033,356**
[13] A1

[51] **Int.Cl. G06F 15/173 (2006.01) H04N 21/4722 (2011.01) H04L 12/66 (2006.01) H04L 29/08 (2006.01)**
[25] EN
[54] **URLS FOR ACQUIRING OR TRANSMITTING DATA**
[54] **URL D'ACQUISITION OU DE TRANSMISSION DE DONNEES**
[72] EYER, MARK, US
[71] SONY CORPORATION, JP
[85] 2019-02-07
[86] 2017-08-10 (PCT/US2017/046331)
[87] (WO2018/034942)
[30] US (15/237,083) 2016-08-15

PCT Applications Entering the National Phase

[21] **3,033,357**
[13] A1

[51] **Int.Cl. A23D 9/00 (2006.01) A23L 33/12 (2016.01) C11B 1/00 (2006.01)**

[25] EN

[54] **SPECIALITY LOW SATURATES CANOLA OIL**

[54] **HUILE DE COLZA DE SPECIALITE A FAIBLE TENEUR EN COMPOSES SATURES**

[72] FLETCHER, RICHARD, US

[71] CARGILL, INCORPORATED, US

[85] 2019-02-07

[86] 2017-08-01 (PCT/US2017/044874)

[87] (WO2018/031293)

[30] US (62/374,244) 2016-08-12

[21] **3,033,359**
[13] A1

[51] **Int.Cl. A61C 17/06 (2006.01) A61C 1/00 (2006.01) A61C 13/24 (2006.01) A61C 13/25 (2006.01) A61M 1/00 (2006.01)**

[25] EN

[54] **VALVE FOR FLUID EJECTOR**

[54] **SOUPAPE POUR EJECTEUR DE FLUIDES.**

[72] BUSHMAN, RICHARD P., US

[71] CROSSTEX INTERNATIONAL, INC., US

[85] 2019-02-07

[86] 2017-08-16 (PCT/US2017/047138)

[87] (WO2018/035219)

[30] US (62/375,819) 2016-08-16

[21] **3,033,360**
[13] A1

[51] **Int.Cl. H01F 38/00 (2006.01) H01F 29/14 (2006.01)**

[25] EN

[54] **FREQUENCY MODULATION FOR MAGNETIC PRESSURE PULSE TOOL**

[54] **MODULATION DE FREQUENCE D'UN OUTIL A IMPULSION DE PRESSION MAGNETIQUE**

[72] PRIETO, CARLOS, US

[72] FREEMAN, JAMES JOSEPH, US

[72] EWING, DANIEL, US

[71] BAKER HUGHES, A GE COMPANY, LLC, US

[85] 2019-02-07

[86] 2017-08-10 (PCT/US2017/046289)

[87] (WO2018/031766)

[30] US (62/374,150) 2016-08-12

[30] US (15/343,722) 2016-11-04

[21] **3,033,361**
[13] A1

[51] **Int.Cl. H04N 21/433 (2011.01) H04N 5/76 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR STORING A MEDIA ASSET RESCHEDULED FOR TRANSMISSION FROM A DIFFERENT SOURCE**

[54] **SYSTEMES ET PROCEDES DE STOCKAGE D'UN FICHIER DE CONTENU MULTIMEDIA POUR TRANSMISSION A PARTIR D'UNE SOURCE DIFFERENTE**

[72] ROSQVIST, SEAN WILLIAM, US

[71] ROVI GUIDES, INC., US

[85] 2019-02-07

[86] 2017-08-16 (PCT/US2017/047215)

[87] (WO2018/035262)

[30] US (15/239,336) 2016-08-17

[21] **3,033,363**
[13] A1

[51] **Int.Cl. E21B 47/16 (2006.01)**

[25] EN

[54] **DUAL TRANSDUCER COMMUNICATIONS NODE FOR DOWNHOLE ACOUSTIC WIRELESS NETWORKS AND METHOD EMPLOYING SAME**

[54] **□UD DE COMMUNICATION A DOUBLE TRANSDUCTEUR POUR RESEAUX SANS FIL ACOUSTIQUES DE FOND DE TROU ET PROCEDE UTILISANT CE DERNIER**

[72] SONG, LIMIN, US

[72] ZHANG, YIBING, US

[72] WALKER, KATIE M., US

[72] WOLF, HENRY ALAN, US

[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US

[85] 2019-02-07

[86] 2017-08-01 (PCT/US2017/044931)

[87] (WO2018/044469)

[30] US (62/381,330) 2016-08-30

[30] US (62/428,367) 2016-11-30

[21] **3,033,364**
[13] A1

[51] **Int.Cl. A61K 39/095 (2006.01)**

[25] EN

[54] **NEISSERIA MENINGITIDIS VACCINE**

[54] **VACCIN CONTRE NEISSERIA MENINGITIDIS**

[72] KENSINGER, RICHARD DAVID, US

[72] HAUSER, STEVEN L., US

[71] SANOFI PASTEUR, INC., US

[85] 2019-02-07

[86] 2017-09-01 (PCT/US2017/049856)

[87] (WO2018/045286)

[30] US (62/383,279) 2016-09-02

[30] US (62/468,695) 2017-03-08

[30] US (62/505,525) 2017-05-12

[21] **3,033,365**
[13] A1

[51] **Int.Cl. A61K 8/20 (2006.01) A61P 13/12 (2006.01) G01N 33/487 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR TREATING DISEASE**

[54] **COMPOSES ET METHODES POUR TRAITER LA MALADIE.**

[72] CUMMINGS, CHRISTOPHER, US

[72] SHIFRIN, DAVID, US

[71] SULFILATEC, INC., US

[85] 2019-02-07

[86] 2017-08-11 (PCT/US2017/046415)

[87] (WO2018/031845)

[30] US (62/373,656) 2016-08-11

[30] US (62/402,291) 2016-09-30

[30] US (62/402,309) 2016-09-30

[30] US (62/424,057) 2016-11-18

[21] **3,033,366**
[13] A1

[51] **Int.Cl. C12P 19/04 (2006.01) C12P 19/06 (2006.01)**

[25] EN

[54] **COMPOSITIONS COMPRISING AND METHODS OF MAKING BIO-POLYMERS**

[54] **COMPOSITIONS COMPRENANT DES BIO-POLYMERES ET PROCEDES DE FABRICATION DE CEUX-CI**

[72] ZHANG, ZHAODUO, US

[72] KOHR, WILLIAM J., US

[71] GEO FOSSIL FUELS, LLC, US

[85] 2019-02-07

[86] 2017-08-02 (PCT/US2017/045078)

[87] (WO2018/031333)

[30] US (62/372,992) 2016-08-10

Demandes PCT entrant en phase nationale

[21] **3,033,367**
[13] A1

[51] **Int.Cl. H05K 7/14 (2006.01) H02M 3/22 (2006.01) H05K 5/06 (2006.01) H05K 9/00 (2006.01)**

[25] EN

[54] **HIGH VOLTAGE HIGH FREQUENCY POWER CONVERTER**

[54] **CONVERTISSEUR DE COURANT HAUTE FREQUENCE HAUTE TENSION**

[72] JACOBSON, BORIS S., US
[72] HOLMANISKY, EVGENY N., US
[72] VOLFSO, LEV, US
[71] RAYTHEON COMPANY, US
[85] 2019-02-07
[86] 2017-08-04 (PCT/US2017/045417)
[87] (WO2018/031389)
[30] US (15/231,944) 2016-08-09

[21] **3,033,368**
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) A61K 47/28 (2006.01) C07H 21/04 (2006.01) C07J 15/00 (2006.01) C07J 41/00 (2006.01)**

[25] EN

[54] **CONJUGATED OLIGONUCLEOTIDES**

[54] **OLIGONUCLEOTIDES CONJUGUES**

[72] KHVOROVA, ANASTASIA, US
[72] NIKAN, MEHRAN, US
[72] HASSLER, MATTHEW, US
[72] OSBORN, MAIRE, US
[72] HARASZTI, REKA, US
[72] COLES, ANDREW, US
[72] TURANOV, ANTON, US
[72] ARONIN, NEIL, US
[72] BISCANS, ANNABELLE, US
[71] UNIVERSITY OF MASSACHUSETTS, US
[85] 2019-02-07
[86] 2017-08-11 (PCT/US2017/046593)
[87] (WO2018/031933)
[30] US (62/374,499) 2016-08-12
[30] US (62/461,529) 2017-02-21

[21] **3,033,369**
[13] A1

[51] **Int.Cl. C12P 19/18 (2006.01) C08B 37/00 (2006.01) C12P 19/04 (2006.01)**

[25] EN

[54] **ENGINEERED GLUCOSYLTRANSFERASES MODIFIEES**

[54] **GLUCOSYLTRANSFERASES MODIFIEES**

[72] LI, YOUGEN, US
[72] HENNESSEY, SUSAN MARIE, US
[72] KRALJ, SLAVKO, US
[72] PAYNE, MARK S., US
[72] ALKAN, VELI, US
[72] CHENG, QIONG, US
[72] DICOSIMO, ROBERT, US
[72] SEMKE, ELLEN D., US
[72] PARKER, JARED B., US
[72] BOTT, RICHARD R., US
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US
[85] 2019-02-07
[86] 2017-09-13 (PCT/US2017/051279)
[87] (WO2018/052942)
[30] US (62/394,354) 2016-09-14

[21] **3,033,370**
[13] A1

[51] **Int.Cl. C07D 239/74 (2006.01) A61K 31/517 (2006.01) C07D 239/72 (2006.01)**

[25] EN

[54] **CERTAIN CHEMICAL ENTITIES, COMPOSITIONS, AND METHODS**

[54] **ENTITES CHIMIQUES, COMPOSITIONS ET METHODES PARTICULIERES**

[72] QIAN, XIANGPING, US
[72] ZHU, YONG-LIANG, US
[71] NEUPHARMA, INC., US
[85] 2019-02-07
[86] 2017-08-14 (PCT/US2017/046819)
[87] (WO2018/035061)
[30] US (62/375,382) 2016-08-15

[21] **3,033,371**
[13] A1

[51] **Int.Cl. A01F 25/14 (2006.01) B65D 6/16 (2006.01) B65D 6/18 (2006.01) B65D 19/00 (2006.01) B65D 19/02 (2006.01) B65D 19/06 (2006.01)**

[25] EN

[54] **CONTAINER HAVING AN ACCESS DOOR LATCHING SYSTEM**

[54] **CONTENEUR COMPORTANT UN SYSTEME DE VERROUILLAGE DE PORTE D'ACCES**

[72] WILCOX, DONALD E., US
[72] ARENA, CHARLES S., US
[71] ARENA PACKAGING, LLC, US
[85] 2019-02-07
[86] 2017-09-14 (PCT/US2017/051532)
[87] (WO2018/053107)
[30] US (15/266,652) 2016-09-15

[21] **3,033,373**
[13] A1

[51] **Int.Cl. C12N 9/00 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR SHORT STATURE PLANTS THROUGH MANIPULATION OF GIBBERELLIN METABOLISM TO INCREASE HARVESTABLE YIELD**

[54] **PROCEDES ET COMPOSITIONS POUR PLANTES DE PETITE TAILLE PAR LE BIAIS DE LA MANIPULATION DU METABOLISME DE LA GIBBERELLINE EN VUE D'AUGMENTER LE RENDEMENT DES RECOLTES**

[72] ALLEN, EDWARDS M., US
[72] BODDU, JAYANAND, US
[72] DIETRICH, CHARLES R., US
[72] GOLDSCHMIDT, ALEXANDER, US
[72] HOWELL, MIYA, US
[72] KOSOLA, KEVIN R., US
[72] MANJUNATH, SIVALINGANNA, US
[72] NEELAM, ANIL, US
[72] RYMARQUIS, LINDA, US
[72] SLEWINSKI, THOMAS L., US
[72] VENKATESH, TYAMAGONDLU V., US
[72] WANG, HUI, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2019-02-07
[86] 2017-08-17 (PCT/US2017/047405)
[87] (WO2018/035354)
[30] US (62/376,298) 2016-08-17
[30] US (62/442,377) 2017-01-04
[30] US (62/502,313) 2017-05-05

PCT Applications Entering the National Phase

[21] **3,033,374**
[13] A1

[51] **Int.Cl. C07K 14/00 (2006.01) C12N 15/00 (2006.01)**
[25] EN
[54] **MOLECULE SENSOR SYSTEMS**
[54] **SYSTEMES DE CAPTEURS MOLECULAIRES**
[72] SPOONAMORE, JAMES E., US
[72] TAYLOR, NOAH D., US
[72] ADOLFSEN, KRISTIN J., US
[72] DUNN, MATTHEW R., US
[72] WAPINSKI, ILAN N., US
[72] KONIECZKA, JAY H., US
[71] ENEVOLV, INC., US
[85] 2019-02-07
[86] 2017-08-15 (PCT/US2017/047012)
[87] (WO2018/035159)
[30] US (62/375,305) 2016-08-15
[30] US (62/375,301) 2016-08-15
[30] US (62/378,999) 2016-08-24
[30] US (62/379,002) 2016-08-24

[21] **3,033,375**
[13] A1

[51] **Int.Cl. B31B 70/14 (2017.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PRODUCING MICROPERFORATED PATCHES AND LABELS APPLICABLE TO MODIFIED ATMOSPHERE PACKAGING**
[54] **APPAREIL ET PROCEDE DE PRODUCTION DE PIECES ET D'ETIQUETTES MICRO-PERFOREES APPLICABLES A L'EMBALLAGE SOUS ATMOSPHERE MODIFIEE**
[72] VARRIANO-MARSTON, ELIZABETH, US
[71] MARSTONMAP, LLC, US
[85] 2019-02-07
[86] 2017-10-24 (PCT/US2017/058091)
[87] (WO2018/085080)
[30] US (62/418,425) 2016-11-07

[21] **3,033,376**
[13] A1

[51] **Int.Cl. G07F 9/02 (2006.01) A47F 1/04 (2006.01) G07F 7/04 (2006.01) G07F 11/02 (2006.01) G09F 13/04 (2006.01)**
[25] EN
[54] **PRODUCT DISPLAY SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE PRESENTATION DE PRODUITS**
[72] VAZ-POCAS, DANIEL, US
[72] STOLARZ, CHRISTIAN, US
[71] PEPSICO, INC., US
[85] 2019-02-07
[86] 2017-08-16 (PCT/US2017/047067)
[87] (WO2018/044566)
[30] US (15/251,785) 2016-08-30

[21] **3,033,377**
[13] A1

[51] **Int.Cl. A61J 1/16 (2006.01) A61J 1/20 (2006.01) A61M 5/178 (2006.01)**
[25] EN
[54] **SECURED MEDICATION TRANSFER SYSTEM**
[54] **SYSTEME DE TRANSFERT DE MEDICAMENT SECURISE**
[72] ALSBERG, KEITH DANIEL, US
[72] DEMARIA, CHRISTOPHER JOHN, US
[72] MICKLASH, KENNETH JAMES, II, US
[72] PAULSEN, GARY HARLAN, US
[71] ELI LILLY AND COMPANY, US
[85] 2019-02-07
[86] 2017-08-18 (PCT/US2017/047563)
[87] (WO2018/039065)
[30] US (62/377,853) 2016-08-22

[21] **3,033,378**
[13] A1

[51] **Int.Cl. B65D 71/12 (2006.01) B65D 71/38 (2006.01)**
[25] EN
[54] **CARTON AND BLANK THEREFOR**
[54] **CARTON ET DECOUPE ASSOCIEE**
[72] MERZEAU, JULIEN D., FR
[71] WESTROCK PACKAGING SYSTEMS, LLC, US
[85] 2019-02-07
[86] 2017-08-04 (PCT/US2017/045429)
[87] (WO2018/031391)
[30] US (62/371,908) 2016-08-08

[21] **3,033,379**
[13] A1

[51] **Int.Cl. H05K 1/14 (2006.01) H01R 13/415 (2006.01) H05K 3/36 (2006.01)**
[25] EN
[54] **ELECTRICAL CONNECTOR**
[54] **CONNECTEUR ELECTRIQUE**
[72] SCHNEIDER, RICHARD, US
[71] INTERPLEX INDUSTRIES, INC., US
[85] 2019-02-07
[86] 2017-08-21 (PCT/US2017/047800)
[87] (WO2018/039123)
[30] US (62/377,859) 2016-08-22

[21] **3,033,381**
[13] A1

[51] **Int.Cl. C12N 5/07 (2010.01) C12N 5/071 (2010.01) C12N 5/0735 (2010.01) C12N 5/074 (2010.01)**
[25] EN
[54] **METHOD FOR GENERATING MESODERM AND/OR ENDOTHELIAL COLONY FORMING CELL-LIKE CELLS HAVING IN VIVO BLOOD VESSEL FORMING CAPACITY**
[54] **PROCEDE DE GENERATION DE CELLULES MESODERMIQUES ET/OU DE CELLULES DE TYPE CELLULES DE FORMATION DE COLONIES ENDOTHELIALES PRESENTANT UNE CAPACITE DE FORMATION DE VAISSEAUX SANGUINS IN VIVO**
[72] YODER, MERVIN C., US
[72] PRASAIN, NUTAN, US
[71] INDIANA UNIVERSITY RESEARCH AND TECHNOLOGY CORPORATION, US
[85] 2019-02-07
[86] 2017-08-04 (PCT/US2017/045496)
[87] (WO2018/031404)
[30] US (62/372,907) 2016-08-10

Demandes PCT entrant en phase nationale

[21] **3,033,383**
[13] A1

[51] **Int.Cl. B29C 64/118 (2017.01) B29C 64/209 (2017.01) B29C 64/227 (2017.01) B29C 64/245 (2017.01) B29C 64/393 (2017.01)**

[25] EN

[54] **DEVICE FOR PRINTING A THREE DIMENSIONAL COSMETIC ARTICLE FROM A BUILD MATERIAL COMPRISING A COSMETIC FORMULA**

[54] **DISPOSITIF D'IMPRESSIION D'UN ARTICLE COSMETIQUE TRIDIMENSIONNEL A PARTIR D'UN MATERIAU DE CONSTRUCTION COMPRENANT UNE FORMULE COSMETIQUE**

[72] GRAY, TIMOTHY PATRICK, US
[72] COHEN, ISAAC DAVID, US
[72] MARTINS, AGOSTINHO, US
[72] VICTOR, BRUCE LAURENCE, US
[72] CURTISS, CHARLES AARON, US
[72] PAPPAS, MADALYN ELLICE, US
[71] ELC MANAGEMENT LLC, US
[85] 2019-02-07
[86] 2017-08-04 (PCT/US2017/045498)
[87] (WO2018/031405)
[30] US (62/374,153) 2016-08-12

[21] **3,033,384**
[13] A1

[51] **Int.Cl. G02B 6/44 (2006.01)**

[25] EN

[54] **FLEXIBLE OPTICAL FIBER RIBBON WITH INTERMITTENTLY BONDED POLYMER LAYERS**

[54] **RUBAN DE FIBRES OPTIQUES SOUPLE AVEC COUCHES POLYMERES A LIAISON INTERMITTENTE**

[72] CHIASSON, DAVID WESLEY, CA
[72] NAYAK, BARADA KANTA, US
[72] CHALK, JULIE ANN, US
[72] SISTARE, REBECCA ELIZABETH, US

[71] CORNING OPTICAL COMMUNICATIONS LLC, US

[85] 2019-02-07
[86] 2017-08-07 (PCT/US2017/045674)
[87] (WO2018/031436)
[30] US (62/371,911) 2016-08-08

[21] **3,033,386**
[13] A1

[51] **Int.Cl. H04W 72/04 (2009.01)**

[25] EN

[54] **GRANT VALIDATION IN A WIRELESS DEVICE AND WIRELESS NETWORK**

[54] **VALIDATION D'AUTORISATION DANS UN DISPOSITIF SANS FIL, ET RESEAU SANS FIL**

[72] BABAEI, ALIREZA, US
[72] DINAN, ESMAEL, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US

[85] 2019-02-07
[86] 2017-08-07 (PCT/US2017/045754)
[87] (WO2018/031473)
[30] US (62/371,792) 2016-08-07
[30] US (62/372,643) 2016-08-09

[21] **3,033,387**
[13] A1

[51] **Int.Cl. C23C 2/06 (2006.01)**

[25] EN

[54] **MODIFIED HOT-DIP GALVANIZE COATINGS WITH LOW LIQUIDUS TEMPERATURE, METHODS OF MAKING AND USING THE SAME**

[54] **REVETEMENTS MODIFIES DE GALVANISATION PAR IMMERSION A CHAUD PRESENTANT UNE BASSE TEMPERATURE DE LIQUIDUS, PROCEDES POUR LEUR FABRICATION ET LEUR UTILISATION**

[72] SPEER, JOHN, US
[72] ZHAO, LIJIA, US
[71] SPEER, JOHN, US
[71] ZHAO, LIJIA, US

[85] 2019-02-07
[86] 2017-08-08 (PCT/US2017/045858)
[87] (WO2018/031523)
[30] US (62/372,193) 2016-08-08

[21] **3,033,388**
[13] A1

[51] **Int.Cl. A61M 25/10 (2013.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR ENHANCING THE MATURATION RATE OF AN ARTERIOVENOUS FISTULA**

[54] **PROCEDE ET APPAREIL POUR AMELIORER LE TAUX DE MATURATION D'UNE FISTULE ARTERIOVEINEUSE**

[72] DO, HIEP, US
[71] C.R. BARD, INC., US

[85] 2019-02-07
[86] 2017-08-08 (PCT/US2017/045958)
[87] (WO2018/031580)
[30] US (62/372,109) 2016-08-08

[21] **3,033,390**
[13] A1

[51] **Int.Cl. E04B 9/30 (2006.01)**

[25] EN

[54] **CEILING SYSTEM AND MOUNTING BRACKET FOR USE WITH THE SAME**

[54] **SYSTEME DE PLAFOND ET SUPPORT DE MONTAGE DESTINE A ETRE UTILISE AVEC CELUI-CI**

[72] BERGMAN, TODD M., US
[72] HARNISH, SCOTT D., US
[72] HANUSCHAK, RYAN D., US
[72] VAN DORE, JONATHAN P., US
[71] ARMSTRONG WORLD INDUSTRIES, INC., US

[85] 2019-02-07
[86] 2017-08-25 (PCT/US2017/048562)
[87] (WO2018/044705)
[30] US (62/381,204) 2016-08-30

PCT Applications Entering the National Phase

[21] **3,033,391**
[13] A1

[51] **Int.Cl. G21C 3/62 (2006.01)**
[25] EN
[54] **ENGINEERED SIC-SIC COMPOSITE AND MONOLITHIC SIC LAYERED STRUCTURES**
[54] **COMPOSITE SIC-SIC MODIFIE ET STRUCTURES EN COUCHES MONOLITHIQUES A BASE DE SIC**
[72] DECK, CHRISTIAN PETER, US
[72] ZHANG, JIPING, US
[72] BACK, CHRISTINA, US
[72] SHEEDER, JONATHAN DAVID, US
[71] GENERAL ATOMICS, US
[85] 2019-02-07
[86] 2017-08-08 (PCT/US2017/045990)
[87] (WO2018/031596)
[30] US (62/372,239) 2016-08-08

[21] **3,033,392**
[13] A1

[51] **Int.Cl. E04B 2/82 (2006.01) B29C 65/00 (2006.01) E04B 2/74 (2006.01)**
[25] EN
[54] **WALL SEAL**
[54] **JOINT D'ETANCHEITE MURAL**
[72] GOSLING, GEOFF, CA
[71] DIRTT ENVIRONMENTAL SOLUTIONS, LTD., CA
[85] 2019-02-07
[86] 2018-05-30 (PCT/US2018/035145)
[87] (WO2019/013896)
[30] US (62/531,753) 2017-07-12

[21] **3,033,397**
[13] A1

[51] **Int.Cl. E21B 41/00 (2006.01) E21B 47/00 (2012.01) G01V 1/48 (2006.01)**
[25] EN
[54] **MACHINE LEARNING TRAINING SET GENERATION**
[54] **GENERATION D'UN ENSEMBLE DE FORMATION A L'APPRENTISSAGE MACHINE**
[72] AGRAWI, AHMED ADNAN, NO
[72] SALMAN, NADER, NO
[72] VAN DER HOFF, GUIDO JOHANNES, NO
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2019-02-07
[86] 2016-09-09 (PCT/US2016/050845)
[87] (WO2018/031051)
[30] US (62/372,115) 2016-08-08

[21] **3,033,398**
[13] A1

[51] **Int.Cl. G01N 15/10 (2006.01) B81B 7/02 (2006.01) G01F 22/00 (2006.01) G01P 5/08 (2006.01)**
[25] EN
[54] **MULTIPLEXED DROPLET ACTUATION AND SENSING IN DIGITAL MICROFLUIDICS**
[54] **DETECTION ET DECLenchement DE GOUTTELETTES MULTIPLEXEES DANS DES DISPOSITIFS MICROFLUIDIQUES NUMERIQUES**
[72] FOBEL, RYAN, CA
[72] FOBEL, CHRISTIAN, CA
[72] WHEELER, AARON R., CA
[71] SCI-BOTS INC., CA
[85] 2019-02-07
[86] 2017-08-17 (PCT/CA2017/050975)
[87] (WO2018/035602)
[30] US (62/377,805) 2016-08-22

[21] **3,033,400**
[13] A1

[51] **Int.Cl. H04L 9/32 (2006.01) G06F 21/64 (2013.01)**
[25] EN
[54] **EMAIL VERIFICATION METHOD**
[54] **PROCEDE DE VERIFICATION DE COURRIER ELECTRONIQUE**
[72] MACHET, JEREMY, AU
[71] MACHET, JEREMY, AU
[85] 2019-02-08
[86] 2017-08-10 (PCT/AU2017/050846)
[87] (WO2018/032041)
[30] AU (2016903205) 2016-08-14

[21] **3,033,402**
[13] A1

[51] **Int.Cl. C12N 9/02 (2006.01)**
[25] EN
[54] **METABOLITE PRODUCTION IN ENDOPHYTES**
[54] **PRODUCTION DE METABOLITES DANS DES ENDOPHYTES**
[72] SPANGENBERG, GERMAN CARLOS, AU
[72] GUTHRIDGE, KATHRYN MICHAELA, AU
[72] MANN, ROSS, AU
[72] SAWBRIDGE, TIMOTHY IVOR, AU
[72] DAVIDSON, SOPHIE ELIZABETH, AU
[72] VASSILIADIS, SIMONE, AU
[72] HETTIARACHCHIGE, INOKA KUMARI, AU
[72] ROCHFORD, SIMONE JANE, AU
[72] LUDLOW, EMMA JANE ISOBEL, AU
[72] BROHIER, NATASHA DENISE, AU
[71] AGRICULTURE VICTORIA SERVICES PTY LTD, AU
[85] 2019-02-08
[86] 2017-08-11 (PCT/AU2017/050847)
[87] (WO2018/027275)
[30] AU (2016903172) 2016-08-12

[21] **3,033,405**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01) C12N 1/14 (2006.01)**
[25] EN
[54] **METHODS OF CHARACTERISING ENDOPHYTES**
[54] **PROCEDES DE CARACTERISATION D'ENDOPHYTES**
[72] SPANGENBERG, GERMAN CARLOS, AU
[72] GUTHRIDGE, KATHRYN MICHAELA, AU
[72] MANN, ROSS, AU
[72] SAWBRIDGE, TIMOTHY IVOR, AU
[72] EKANAYAKE, PIYUMI NIROSHINI, AU
[72] HETTIARACHCHIGE, INOKA KUMARI, AU
[72] BROHIER, NATASHA DENISE, AU
[72] ROCHFORD, SIMONE JANE, AU
[72] EDWARDS, JACQUELINE, AU
[71] AGRICULTURE VICTORIA SERVICES PTY LTD, AU
[85] 2019-02-08
[86] 2017-08-11 (PCT/AU2017/050848)
[87] (WO2018/027276)
[30] AU (2016903175) 2016-08-12

Demandes PCT entrant en phase nationale

[21] **3,033,406**
[13] A1
[51] **Int.Cl. B24B 37/22 (2012.01) B24D 3/00 (2006.01) B24D 3/28 (2006.01) B24D 7/04 (2006.01) B24D 11/02 (2006.01)**
[25] EN
[54] **ROUGHING DISC HAVING A CARRIER LAYER**
[54] **MEULE DE DEGROSSISSAGE COMPRENANT UNE COUCHE DE SUPPORT**
[72] KAMPS, THOMAS, DE
[72] CONRADI, BERND, DE
[71] KLINGSPOR AG, DE
[85] 2019-02-08
[86] 2017-05-31 (PCT/EP2017/063090)
[87] (WO2018/028849)
[30] DE (10 2016 114 851.2) 2016-08-10

[21] **3,033,408**
[13] A1
[51] **Int.Cl. A61K 35/28 (2015.01) C12N 5/0775 (2010.01) A61P 3/00 (2006.01) A61P 9/10 (2006.01) A61P 25/00 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING AMYOTROPHIC LATERAL SCLEROSIS (ALS)**
[54] **PROCEDES DE TRAITEMENT DE LA SCLEROSE LATERALE AMYOTROPHIQUE (SLA)**
[72] ARICHA, REVITAL, IL
[72] GOTHELF, YAEL, IL
[72] ABRAMOV, NATALIE, IL
[72] KASPI, HAGGAI, IL
[71] BRAINSTORM CELL THERAPEUTICS LTD, IL
[85] 2019-01-15
[86] 2017-07-13 (PCT/IL2017/050801)
[87] (WO2018/015945)
[30] US (62/363,672) 2016-07-18

[21] **3,033,409**
[13] A1
[51] **Int.Cl. H01F 27/28 (2006.01) H01B 7/30 (2006.01) H01B 9/02 (2006.01) H01F 27/36 (2006.01)**
[25] EN
[54] **HIGH VOLTAGE CABLE FOR A WINDING AND ELECTROMAGNETIC INDUCTION DEVICE COMPRISING THE SAME**
[54] **CABLE HAUTE TENSION POUR ENROULEMENT ET DISPOSITIF D'INDUCTION ELECTROMAGNETIQUE LE COMPRENANT**
[72] ERIKSSON, GORAN, SE
[72] PRADHAN, MANOJ, SE
[72] WASS, TORBJORN, SE
[71] ABB SCHWEIZ AG, CH
[85] 2019-02-08
[86] 2017-06-28 (PCT/EP2017/065992)
[87] (WO2018/028874)
[30] EP (16183290.2) 2016-08-09

[21] **3,033,410**
[13] A1
[51] **Int.Cl. A63B 37/02 (2006.01)**
[25] EN
[54] **SMART BALL, LOCATOR SYSTEM AND METHOD THEREFOR**
[54] **BALLE INTELLIGENTE, SYSTEME DE LOCALISATION ET PROCEDE ASSOCIE**
[72] TATTERSFIELD, BENJAMIN LUKE, AU
[71] JETSON I.P. PTY LTD, AU
[85] 2019-02-08
[86] 2017-08-11 (PCT/AU2017/050853)
[87] (WO2018/027280)
[30] US (62/373,390) 2016-08-11

[21] **3,033,412**
[13] A1
[51] **Int.Cl. C08L 97/00 (2006.01) C08J 3/20 (2006.01) C08L 23/06 (2006.01) C08L 23/12 (2006.01) C09K 15/34 (2006.01)**
[25] EN
[54] **POLYMERIC OLEFINIC COMPOSITION, LIGNIN USE AND OBJECT**
[54] **COMPOSITION POLYMERIE OLEFINIQUE, UTILISATION DE LIGNINE ET OBJET**
[72] TORREZAN, TALYTA, BR
[72] FINOCCHIO, HENRIQUE, BR
[71] SUZANO PAPEL E CELULOSE S.A., BR
[85] 2019-02-08
[86] 2017-08-17 (PCT/BR2017/050232)
[87] (WO2018/032079)
[30] BR (BR 10 2016 019278-1) 2016-08-19

[21] **3,033,414**
[13] A1
[51] **Int.Cl. F16B 12/26 (2006.01)**
[25] EN
[54] **SPRING DEVICE AND CONNECTING DEVICE**
[54] **DISPOSITIF A RESSORT ET DISPOSITIF DE LIAISON**
[72] BAUR, FRANZ, DE
[72] HASER, FRANZ JOSEF, DE
[72] JEKER, PATRICK, CH
[72] SEILER, PHILIPP, CH
[71] BAUR, FRANZ, DE
[71] HASER, FRANZ JOSEF, DE
[71] LAMELLO AG, CH
[85] 2019-02-08
[86] 2017-07-10 (PCT/EP2017/067311)
[87] (WO2018/028911)
[30] DE (10 2016 215 037.5) 2016-08-11

PCT Applications Entering the National Phase

[21] **3,033,416**
[13] A1

[51] **Int.Cl. G09B 19/20 (2006.01) G09B 5/00 (2006.01)**

[25] EN

[54] **A SYSTEM, METHOD, AND MATERIAL FOR ENCOURAGING STUDY OR MASTERY OF A FIBRE ART SKILL**

[54] **SYSTEME, PROCEDE ET MATERIAU D'ENCOURAGEMENT DE L'ETUDE OU DE LA MAITRISE DE L'APTITUDE DE LA TECHNIQUE DES FIBRES**

[72] SMITH, JANET ELAINE, CA
[72] CROSS, KAREN MARGARET, CA
[72] VERWEY, JOHN, CA
[71] SPINRITE INC., CA
[85] 2019-02-08
[86] 2017-08-10 (PCT/CA2017/000186)
[87] (WO2018/027296)
[30] US (62/373,679) 2016-08-11
[30] US (15/672,848) 2017-08-09

[21] **3,033,419**
[13] A1

[51] **Int.Cl. A61C 13/00 (2006.01) A61C 13/01 (2006.01) A61C 13/08 (2006.01) A61C 13/10 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING A PROSTHESIS OR PARTIAL PROSTHESIS**

[54] **PROCEDE POUR PRODUIRE UNE PROTHESE OU UNE PROTHESE PARTIELLE**

[72] FAUST, ALEXANDER, CH
[72] MUHMMENTHALER, PHILIPP, CH
[71] IVOCLAR VIVADENT AG, LI
[85] 2019-02-08
[86] 2017-08-08 (PCT/EP2017/070001)
[87] (WO2018/029163)
[30] DE (10 2016 114 825.3) 2016-08-10

[21] **3,033,420**
[13] A1

[51] **Int.Cl. C08L 97/00 (2006.01) C08J 3/12 (2006.01) C08J 3/20 (2006.01)**

[25] EN

[54] **LIGNIN PELLETS AND PROCESS FOR PRODUCING SAME**

[54] **PASTILLES DE LIGNINE ET PROCEDE POUR LEUR PRODUCTION**

[72] TON-THAT, MINH-TAN, CA
[72] LI, HONGBO, CA
[72] PATENAUDE, ERIC, CA
[72] MARCOCCIA, BRUNO, US
[72] SANAEI, SHABNAM, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[71] DOMTAR PAPER COMPANY, LLC, US
[85] 2019-02-08
[86] 2017-08-23 (PCT/CA2017/000198)
[87] (WO2018/035598)
[30] US (62/378,306) 2016-08-23

[21] **3,033,421**
[13] A1

[51] **Int.Cl. A61C 13/00 (2006.01) A61C 13/01 (2006.01) A61C 13/08 (2006.01) A61C 13/087 (2006.01) A61C 13/10 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING A PROSTHESIS OR PARTIAL PROSTHESIS**

[54] **PROCEDE POUR LA PRODUCTION D'UNE PROTHESE OU D'UNE PROTHESE PARTIELLE**

[72] FAUST, ALEXANDER, CH
[72] MUHMMENTHALER, PHILIPP, CH
[71] IVOCLAR VIVADENT AG, LI
[85] 2019-02-08
[86] 2017-08-08 (PCT/EP2017/070002)
[87] (WO2018/029164)
[30] DE (10 2016 114 825.3) 2016-08-10
[30] DE (10 2017 117 491.5) 2017-08-02

[21] **3,033,422**
[13] A1

[51] **Int.Cl. A61K 33/00 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **COMPOSITIONS COMPRISING NANOSILICA PARTICLES AND THEIR USE IN METHODS OF ACTIVATING T LYMPHOCYTES FOR THERAPY**

[54] **COMPOSITIONS COMPRENANT DES PARTICULES DE NANOSILICE ET LEUR UTILISATION DANS DES METHODES D'ACTIVATION DE LYMPHOCYTES T EN VUE D'UNE THERAPIE**

[72] POWELL, JONATHAN JOSEPH, GB
[72] FARIA, NUNO JORGE RODRIGUES, GB
[72] HEWITT, RACHEL ELAINE, GB
[72] VIS, BRADLEY MICHAEL, GB
[72] BASTOS, CARLOS, GB
[71] UNITED KINGDOM RESEARCH AND INNOVATION, GB
[85] 2019-02-08
[86] 2017-08-09 (PCT/EP2017/070183)
[87] (WO2018/029247)
[30] GB (1613772.1) 2016-08-10
[30] GB (1701827.6) 2017-02-03

[21] **3,033,423**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/20 (2006.01) A61K 31/137 (2006.01) A61K 47/10 (2017.01) A61K 47/22 (2006.01)**

[25] EN

[54] **TAMPER RESISTANT FORMULATION OF EPHEDRINE AND ITS DERIVATIVES**

[54] **FORMULATION INVOLABLE DE L'EPHEDRINE ET DE SES DERIVES.**

[72] STOMBERG, CARMEN, DE
[72] WENING, KLAUS, DE
[72] SCHWIER, SEBASTIAN, DE
[71] GRUNENTHAL GMBH, DE
[85] 2019-02-08
[86] 2017-08-11 (PCT/EP2017/070396)
[87] (WO2018/029327)
[30] EP (16183922.0) 2016-08-12
[30] EP (16200767.8) 2016-11-25
[30] EP (17173383.5) 2017-05-30

Demandes PCT entrant en phase nationale

[21] **3,033,424**
[13] A1

[51] **Int.Cl. C12N 1/14 (2006.01) A23L 31/00 (2016.01) A23J 1/00 (2006.01)**
[25] EN
[54] **SINGLE CELL PROTEIN FROM THERMOPHILIC FUNGI**
[54] **PROTEINE UNICELLULAIRE ISSUE DE CHAMPIGNONS THERMOPHILES**
[72] DE LAAT, WILHELMUS
THEODORUS ANTONIUS MARIA, NL
[72] GALLEGO MURILLIO, JOAN SEBASTIAN, NL
[71] WIM DE LAAT CONSULTANCY B.V., NL
[85] 2019-02-08
[86] 2017-08-11 (PCT/EP2017/070470)
[87] (WO2018/029353)
[30] NL (2017309) 2016-08-11

[21] **3,033,425**
[13] A1

[51] **Int.Cl. G01V 1/38 (2006.01)**
[25] EN
[54] **CONSTRAINT OF DITHERING OF SOURCE ACTUATIONS**
[54] **CONTRAINTE SUR LA SUPERPOSITION D'ACTIONNEMENTS DE SOURCE**
[72] BEITZ, MANUEL, US
[72] STRAND, CHRISTIAN, US
[72] BAARDMAN, ROLF HUIBERT, GB
[71] PGS GEOPHYSICAL AS, NO
[85] 2019-02-08
[86] 2017-08-17 (PCT/EP2017/070873)
[87] (WO2018/033602)
[30] US (62/376,048) 2016-08-17
[30] US (15/627,508) 2017-06-20

[21] **3,033,440**
[13] A1

[51] **Int.Cl. A01N 25/00 (2006.01) A01N 31/00 (2006.01)**
[25] EN
[54] **SOLID HERBICIDAL CONCENTRATE COMPOSITIONS**
[54] **COMPOSITIONS DE CONCENTRE HERBICIDE SOLIDES**
[72] DYSZLEWSKI, ANDREW D., US
[72] FRIEDMAN, TODD C., US
[72] LEE, PHILLIP K., US
[72] MACINNES, ALISON, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2019-02-07
[86] 2017-08-09 (PCT/US2017/046012)
[87] (WO2018/031610)
[30] US (62/372,586) 2016-08-09

[21] **3,033,442**
[13] A1

[51] **Int.Cl. H02J 1/10 (2006.01) H02J 13/00 (2006.01) H02J 15/00 (2006.01)**
[25] EN
[54] **WIDE RANGE POWER DISTRIBUTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE DISTRIBUTION DE PUISSANCE A GAMME ETENDUE**
[72] ZHYHINAS, OLEH, CA
[72] IBRAHIM, BOLIS, CA
[72] WYSZYNSKI, KAMIL ALEKSANDER, CA
[71] ARGENTUM ELECTRONICS, INC., CA
[85] 2019-02-08
[86] 2017-02-17 (PCT/CA2017/050211)
[87] (WO2018/032091)
[30] IB (PCT/IB2016/054938) 2016-08-18
[30] CA (PCT/CA2016/051442) 2016-12-08

[21] **3,033,443**
[13] A1

[51] **Int.Cl. E04F 13/26 (2006.01)**
[25] EN
[54] **ADJUSTABLE PANEL MOUNT**
[54] **SUPPORT DE PANNEAU REGLABLE**
[72] MITROVIC, MILAN, CA
[71] MRAIL INC., CA
[85] 2019-02-08
[86] 2017-08-03 (PCT/CA2017/050927)
[87] (WO2018/027307)
[30] US (15/232,861) 2016-08-10

[21] **3,033,444**
[13] A1

[51] **Int.Cl. A61M 16/00 (2006.01) A61M 16/08 (2006.01) A61M 16/10 (2006.01) A61M 16/12 (2006.01) A61M 16/22 (2006.01) A61M 19/00 (2006.01)**
[25] EN
[54] **MEDICAL DEVICE FOR THE CLOSED-CIRCUIT ADMINISTRATION OF A GASEOUS MIXTURE TO A SPONTANEOUSLY BREATHING PATIENT, AND ASSOCIATED ADJUSTMENT EQUIPMENT**
[54] **DISPOSITIF MEDICAL D'ADMINISTRATION EN CIRCUIT FERME D'UN MELANGE GAZEUX A UN PATIENT RESPIRANT SPONTANEMENT ET SYSTEME DE REGLAGE ASSOCIE**
[72] DAVID, HELENE, CA
[71] MONATOMICS TECHNOLOGY, FR
[85] 2019-02-08
[86] 2016-08-25 (PCT/FR2016/052117)
[87] (WO2018/037166)

[21] **3,033,445**
[13] A1

[51] **Int.Cl. B63B 25/14 (2006.01) B63B 25/00 (2006.01) B63B 25/24 (2006.01) B63B 35/00 (2006.01) F17C 1/00 (2006.01) F17C 5/06 (2006.01)**
[25] EN
[54] **APPARATUS FOR GAS STORAGE AND TRANSPORT**
[54] **APPAREIL DE STOCKAGE ET DE TRANSPORT DE GAZ**
[72] FITZPATRICK, PATRICK JOHN, CA
[71] GEV TECHNOLOGIES PTY. LTD, AU
[85] 2019-02-08
[86] 2017-08-03 (PCT/CA2017/050928)
[87] (WO2018/027308)
[30] US (62/374,488) 2016-08-12

PCT Applications Entering the National Phase

[21] **3,033,446**
[13] A1

[51] **Int.Cl. A61K 31/519 (2006.01) A61K 31/00 (2006.01) A61P 3/00 (2006.01) A61P 25/00 (2006.01)**

[25] EN

[54] **USE OF AN INHIBITOR OF THE DE NOVO SYNTHESIS OF PURINES, IN THE TREATMENT OF ADENYLOSUCCINATE LYASE DEFICIENCY**

[54] **UTILISATION D'UN INHIBITEUR DE LA SYNTHÈSE DE NOVO DES PURINES, DANS LE TRAITEMENT DU DÉFICIT EN ADENYLOSUCCINATE LYASE**

[72] CEBALLOS-PICOT, IRENE, FR

[72] ROBEL, LAURENCE, FR

[72] DE LONLAY, PASCALE, FR

[71] ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS (AP-HP), FR

[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR

[71] UNIVERSITE PARIS DESCARTES, FR

[71] IHU IMAGINE, FR

[85] 2019-02-08

[86] 2017-08-08 (PCT/FR2017/052213)

[87] (WO2018/029430)

[30] FR (1657690) 2016-08-10

[21] **3,033,447**
[13] A1

[51] **Int.Cl. G01N 21/65 (2006.01)**

[25] EN

[54] **RECONFIGURABLE SURFACE ENHANCED RAMAN SPECTROSCOPY DEVICE AND METHOD THEREFOR**

[54] **DISPOSITIF DE SPECTROSCOPIE RAMAN EXALTEE DE SURFACE RECONFIGURABLE ET PROCEDE ASSOCIE**

[72] DIES, HANNAH, CA

[72] DOCOSLIS, ARISTIDES, CA

[72] ESCOBEDO, CARLOS, CA

[71] QUEEN'S UNIVERSITY AT KINGSTON, CA

[85] 2019-02-08

[86] 2017-08-04 (PCT/CA2017/050931)

[87] (WO2018/027309)

[30] US (62/373,537) 2016-08-11

[21] **3,033,449**
[13] A1

[51] **Int.Cl. A23L 5/44 (2016.01) A23L 5/43 (2016.01) A23L 23/00 (2016.01)**

[25] EN

[54] **WATER-DISPERSIBLE COLORING COMPOSITION**

[54] **COMPOSITION COLORANTE DISPERSIBLE DANS L'EAU**

[72] FRECKER, SUSAN, US

[72] KOEHLER, KLAUS, DK

[72] NAUD, JULIETTE, DK

[71] CHR. HANSEN NATURAL COLORS A/S, DK

[85] 2019-02-08

[86] 2017-08-25 (PCT/EP2017/071414)

[87] (WO2018/041730)

[30] EP (16186482.2) 2016-08-31

[21] **3,033,450**
[13] A1

[51] **Int.Cl. H04W 72/04 (2009.01)**

[25] EN

[54] **RESOURCE SELECTION METHOD, APPARATUS, AND DEVICE**

[54] **PROCEDE, DISPOSITIF ET EQUIPEMENT DE SELECTION DE RESSOURCE**

[72] CAI, YU, CN

[72] ZENG, YONGBO, CN

[71] HUAWEI TECHNOLOGIES CO., LTD., CN

[85] 2019-02-08

[86] 2016-08-12 (PCT/CN2016/095054)

[87] (WO2018/027991)

[21] **3,033,451**
[13] A1

[51] **Int.Cl. D21C 11/00 (2006.01) D21C 11/10 (2006.01) D21C 11/12 (2006.01) D21H 11/10 (2006.01) D21H 11/12 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR TREATING SPENT PULPING LIQUOR**

[54] **PROCEDE ET SYSTEME DE TRAITEMENT D'EFFLUENT DE PAPETERIE USAGE**

[72] ARKELL, ANDERS, SE

[71] SUNCARBON AB, SE

[85] 2019-02-08

[86] 2017-09-05 (PCT/EP2017/072204)

[87] (WO2018/046482)

[30] SE (1651205-5) 2016-09-08

[21] **3,033,452**
[13] A1

[51] **Int.Cl. H05B 6/64 (2006.01) H05B 6/68 (2006.01) H05B 6/70 (2006.01)**

[25] EN

[54] **METHOD FOR COOKING FOOD IN A SOLID STATE MICROWAVE OVEN**

[54] **PROCEDE DE CUISSON D'ALIMENTS DANS UN FOUR A MICRO-ONDES A SEMI-CONDUCTEURS**

[72] ERLER, ULRICH JOHANNES, US

[72] DHAWAN, SUMEET, US

[71] NESTEC S.A., CH

[85] 2019-02-08

[86] 2017-10-19 (PCT/EP2017/076761)

[87] (WO2018/077722)

[30] US (62/414355) 2016-10-28

[21] **3,033,453**
[13] A1

[51] **Int.Cl. C07C 49/786 (2006.01) C09D 145/00 (2006.01)**

[25] EN

[54] **BENZOPHENONE DERIVATIVE, AQUEOUS COPOLYMER DISPERSION AND AQUEOUS COATING COMPOSITION**

[54] **DERIVE DE BENZOPHENONE, DISPERSION AQUEUSE DE COPOLYMER ET REVETEMENT**

[72] WANG, YUJIANG, CN

[72] LIU, HUI, CN

[72] WANG, CAIFENG, CN

[72] XU, JIANMING, CN

[72] LI, LING, CN

[72] MAURICE, ALVIN MICHAEL, US

[72] CHEN, HONGYU, CN

[71] DOW GLOBAL TECHNOLOGIES LLC, US

[71] ROHM AND HAAS COMPANY, US

[85] 2019-02-08

[86] 2016-08-17 (PCT/CN2016/095677)

[87] (WO2018/032410)

Demandes PCT entrant en phase nationale

[21] **3,033,454**
[13] A1

[51] **Int.Cl. A23D 9/00 (2006.01) A23L 23/10 (2016.01) A23L 27/26 (2016.01) A23D 9/05 (2006.01)**

[25] EN

[54] **HIGH MELTING POINT CHICKEN FAT**

[54] **MATIERES GRASSES DE POULET A POINT DE FUSION ELEVE**

[72] PERDANA, JIMMY, DE

[72] KAUR, PRABHJOT, DE

[72] BULLING, KATHARINA, DE

[72] MARAZZATO, MICHELE, CH

[72] KIM, YOUNGBIN, DE

[72] KJOLBY, CHRISTIAN, CH

[72] SAGALOWICZ, LAURENT, CH

[71] NESTEC S.A., CH

[85] 2019-02-08

[86] 2017-10-20 (PCT/EP2017/076837)

[87] (WO2018/077742)

[30] EP (16196498.6) 2016-10-31

[21] **3,033,455**
[13] A1

[51] **Int.Cl. H04L 27/26 (2006.01)**

[25] EN

[54] **BASE STATION, USER EQUIPMENT AND WIRELESS COMMUNICATION METHOD**

[54] **STATION DE BASE, EQUIPEMENT UTILISATEUR ET PROCEDE DE COMMUNICATION SANS FIL**

[72] WANG, LILEI, CN

[72] SUZUKI, HIDETOSHI, JP

[72] GOLITSCHKE EDLER VON ELBWART, ALEXANDER, DE

[71] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US

[85] 2019-02-08

[86] 2016-11-03 (PCT/CN2016/104448)

[87] (WO2018/081976)

[21] **3,033,456**
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/275 (2006.01) A61K 31/519 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **CRYSTAL FORMS AND SALT FORMS OF 7H-PYRROLO[2,3-D]PYRIMIDINE COMPOUNDS AND PREPARATION METHOD THEREOF**

[54] **FORME CRISTALLINE ET FORME SALINE DU COMPOSE 7H-PYRROLO [2,3-D]PYRIMIDINE ET SON PROCEDE DE PREPARATION**

[72] MAO, WEIWEI, CN

[72] WU, HAO, CN

[72] GUO, QIANG, CN

[72] ZHENG, XUEJIAN, CN

[72] LIAO, YONGGANG, CN

[71] WUXI FORTUNE PHARMACEUTICAL CO., LTD, CN

[85] 2019-02-08

[86] 2017-11-23 (PCT/CN2017/112493)

[87] (WO2018/095345)

[30] CN (201611046683.X) 2016-11-23

[21] **3,033,457**
[13] A1

[51] **Int.Cl. B66B 11/00 (2006.01)**

[25] EN

[54] **CONVEYING SYSTEM FOR REPOSITORIES**

[54] **SYSTEME DE TRANSPORT POUR STOCKAGE DEFINITIF**

[72] SCHUBERT, WOLFGANG, DE

[72] FRANK, CARSTEN, DE

[72] FLENDER, MICHAEL, DE

[72] KOCH, ANDREAS, DE

[71] SIEMAG TECBERG GMBH, DE

[85] 2019-02-08

[86] 2017-11-29 (PCT/EP2017/080833)

[87] (WO2018/099979)

[30] DE (10 2016 123 376.5) 2016-12-02

[21] **3,033,458**
[13] A1

[51] **Int.Cl. G10L 19/008 (2013.01)**

[25] EN

[54] **METHOD FOR ENCODING MULTI-CHANNEL SIGNAL AND ENCODER**

[54] **PROCEDE DE CODAGE DE SIGNAL MULTICANAL ET CODEUR**

[72] LI, HAITING, CN

[72] LIU, ZEXIN, CN

[72] ZHANG, XINGTAO, CN

[72] MIAO, LEI, CN

[71] HUAWAI TECHNOLOGIES CO., LTD., CN

[85] 2019-02-08

[86] 2017-02-22 (PCT/CN2017/074425)

[87] (WO2018/028171)

[30] CN (201610652507.4) 2016-08-10

[21] **3,033,459**
[13] A1

[51] **Int.Cl. C07D 495/04 (2006.01) A61K 31/519 (2006.01) A61K 31/5377 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 35/04 (2006.01)**

[25] EN

[54] **THIENOPYRIMIDINE COMPOUND, PREPARATION METHOD THEREOF, PHARMACEUTICAL COMPOSITION AND APPLICATION THEREOF**

[54] **COMPOSE THIENOPYRIMIDINE, SON PROCEDE DE PREPARATION, COMPOSITION PHARMACEUTIQUE ET APPLICATIONS ASSOCIEES**

[72] DENG, XIANMING, CN

[72] ZHANG, BAODING, CN

[72] LIU, SHUANG, CN

[72] DONG, CHAO, CN

[72] SUN, XIHUAN, CN

[72] HUANG, XIAOXING, CN

[72] DENG, ZHOU, CN

[72] LI, YUNZHAN, CN

[72] LU, YUE, CN

[72] LI, LI, CN

[72] HU, ZHIYU, CN

[71] HONGYUN BIOTECH CO., LTD., CN

[85] 2019-02-08

[86] 2017-09-28 (PCT/CN2017/103983)

[87] (WO2018/028721)

PCT Applications Entering the National Phase

[21] **3,033,461**
[13] A1

[51] **Int.Cl. C07D 213/42 (2006.01) A61K 31/437 (2006.01) A61K 31/4375 (2006.01) A61K 31/44 (2006.01) A61K 31/4406 (2006.01) A61K 31/444 (2006.01) A61K 31/4965 (2006.01) A61K 31/497 (2006.01) A61K 31/505 (2006.01) A61K 31/506 (2006.01) A61K 31/53 (2006.01) A61K 31/5383 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C07D 213/65 (2006.01) C07D 213/68 (2006.01) C07D 213/73 (2006.01) C07D 213/75 (2006.01) C07D 239/20 (2006.01) C07D 239/42 (2006.01) C07D 241/12 (2006.01) C07D 241/20 (2006.01) C07D 253/06 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 403/12 (2006.01) C07D 405/12 (2006.01) C07D 471/04 (2006.01) C07D 498/04 (2006.01)**

[25] EN
[54] **HETEROCYCLIC COMPOUND**
[54] **COMPOSE HETEROCYCLIQUE**
[72] FUJIMOTO, JUN, JP
[72] LIU, XIN, CN
[72] KURASAWA, OSAMU, JP
[72] TAKAGI, TERUFUMI, JP
[72] CARY, DOUGLAS ROBERT, JP
[72] BANNO, HIROSHI, JP
[72] ASANO, YASUTOMI, JP
[72] KOJIMA, TAKUTO, JP
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2019-02-08
[86] 2017-08-09 (PCT/JP2017/028928)
[87] (WO2018/030466)
[30] JP (2016-158038) 2016-08-10
[30] JP (2017-016275) 2017-01-31

[21] **3,033,462**
[13] A1

[51] **Int.Cl. H01L 21/336 (2006.01) H01L 29/78 (2006.01)**

[25] EN
[54] **SEMICONDUCTOR DEVICE**
[54] **DISPOSITIF A SEMI-CONDUCTEURS**
[72] TANAKA, RYOTA, JP
[72] HAYASHI, TETSUYA, JP
[72] NI, WEI, JP
[72] HAYAMI, YASUAKI, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2019-02-08
[86] 2016-08-10 (PCT/JP2016/073525)
[87] (WO2018/029796)

[21] **3,033,463**
[13] A1

[51] **Int.Cl. B60W 40/09 (2012.01) B60K 31/00 (2006.01) B60W 30/10 (2006.01) B60W 30/14 (2006.01)**

[25] EN
[54] **CONTROL METHOD AND CONTROL DEVICE FOR AUTOMATIC DRIVING VEHICLE**
[54] **PROCEDE DE COMMANDE ET DISPOSITIF DE COMMANDE POUR VEHICULE A CONDUITE AUTOMATIQUE**
[72] JANG, HWASEON, JP
[72] SUNDA, TAKASHI, JP
[72] HIRAMATSU, MACHIKO, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2019-02-08
[86] 2016-08-09 (PCT/JP2016/073471)
[87] (WO2018/029789)

[21] **3,033,464**
[13] A1

[51] **Int.Cl. A47C 1/08 (2006.01) A61B 90/60 (2016.01) A47C 3/30 (2006.01)**

[25] EN
[54] **NEW ERGONOMIC WORKSTATION WITH ASSISTED MOVEMENT FOR HAIRDRESSERS**
[54] **NOUVEAU POSTE DE TRAVAIL ERGONOMIQUE AVEC UNE ASSISTANCE AU MOUVEMENT POUR DES COIFFEURS**
[72] PERALES BOTIA, JAVIER, ES
[71] SPIN INTERNATIONAL, SLU, AD
[85] 2019-02-08
[86] 2017-08-08 (PCT/ES2017/070571)
[87] (WO2018/029390)
[30] ES (P201631091) 2016-08-10

[21] **3,033,466**
[13] A1

[51] **Int.Cl. H04W 36/14 (2009.01) H04W 92/04 (2009.01)**

[25] EN
[54] **RADIO ACCESS NETWORK NODE, RADIO TERMINAL, AND METHOD THEREFOR**
[54] **NOUVEAU RESEAU D'ACCES RADIO, TERMINAL SANS FIL, ET PROCEDES ASSOCIES**
[72] FUTAKI, HISASHI, JP
[72] HAYASHI, SADAFUKU, JP
[71] NEC CORPORATION, JP
[85] 2019-02-08
[86] 2017-05-16 (PCT/JP2017/018317)
[87] (WO2018/029932)
[30] JP (2016-158279) 2016-08-10

[21] **3,033,467**
[13] A1

[51] **Int.Cl. H04W 72/04 (2009.01) H04W 16/28 (2009.01) H04B 7/0413 (2017.01) H04L 27/26 (2006.01)**

[25] EN
[54] **USER TERMINAL AND WIRELESS COMMUNICATION METHOD**
[54] **TERMINAL D'UTILISATEUR, ET PROCEDE DE COMMUNICATION SANS FIL**
[72] SAITO, KEISUKE, JP
[72] TAKEDA, KAZUAKI, JP
[72] TAKEDA, KAZUKI, JP
[72] NAGATA, SATOSHI, JP
[72] NA, CHONGNING, CN
[71] NTT DOCOMO, INC., JP
[85] 2019-02-08
[86] 2017-08-07 (PCT/JP2017/028638)
[87] (WO2018/030359)
[30] JP (2016-157938) 2016-08-10
[30] JP (2016-237974) 2016-12-07
[30] JP (2017-001312) 2017-01-06

[21] **3,033,468**
[13] A1

[51] **Int.Cl. B01D 53/047 (2006.01) B01D 53/62 (2006.01) B01D 53/82 (2006.01)**

[25] EN
[54] **GAS CONCENTRATOR**
[54] **CONCENTRATEUR DE GAZ**
[72] NAITO, TOSHIYUKI, JP
[71] IHI CORPORATION, JP
[85] 2019-02-08
[86] 2017-09-15 (PCT/JP2017/033484)
[87] (WO2018/105196)
[30] JP (2016-235501) 2016-12-05

[21] **3,033,469**
[13] A1

[51] **Int.Cl. B02C 4/32 (2006.01) B02B 5/02 (2006.01) B02B 7/02 (2006.01) B02C 4/06 (2006.01)**

[25] EN
[54] **METHOD AND APPARATUS FOR CONTROLLING MILLING ROLL MACHINE**
[54] **PROCEDE DE COMMANDE D'UN BROYEUR A CYLINDRES DESTINE AU BROYAGE ET DISPOSITIF ASSOCIE**
[72] TAGAWA, SUMIO, JP
[72] YOKOYAMA, RYO, JP
[71] SATAKE CORPORATION, JP
[85] 2019-02-08
[86] 2017-08-08 (PCT/JP2017/028723)
[87] (WO2018/030387)
[30] JP (2016-157224) 2016-08-10

Demandes PCT entrant en phase nationale

<p style="text-align: center;">[21] 3,033,470 [13] A1</p> <p>[51] Int.Cl. H03G 3/30 (2006.01) H03F 1/30 (2006.01) H04B 1/04 (2006.01) H04B 1/16 (2006.01)</p> <p>[25] EN</p> <p>[54] OUTPUT POWER STABILIZATION CIRCUIT AND HIGH OUTPUT AMPLIFIER DEVICE USING SAME</p> <p>[54] CIRCUIT DE STABILISATION DE PUISSANCE DE SORTIE ET DISPOSITIF AMPLIFICATEUR A HAUT RENDEMENT L'UTILISANT</p> <p>[72] NONOMURA, HIROYUKI, JP</p> <p>[71] MITSUBISHI ELECTRIC CORPORATION, JP</p> <p>[85] 2019-02-08</p> <p>[86] 2017-11-07 (PCT/JP2017/040022)</p> <p>[87] (WO2018/096919)</p> <p>[30] JP (2016-228560) 2016-11-25</p>	<p style="text-align: center;">[21] 3,033,474 [13] A1</p> <p>[51] Int.Cl. C12N 15/113 (2010.01) A61K 47/54 (2017.01) A61K 31/7088 (2006.01) C07K 14/00 (2006.01) C12Q 1/68 (2018.01)</p> <p>[25] EN</p> <p>[54] PEPTIDE NUCLEIC ACID COMPLEX HAVING IMPROVED CELL PERMEABILITY AND PHARMACEUTICAL COMPOSITION COMPRISING SAME</p> <p>[54] COMPLEXE D'ACIDE NUCLEIQUE PEPTIDIQUE PRESENTANT UNE PERMEABILITE CELLULAIRE AMELIOREE ET COMPOSITION PHARMACEUTIQUE COMPRENANT CE DERNIER</p> <p>[72] JEO, GOONHO, KR</p> <p>[72] KIM, HYE JOO, KR</p> <p>[72] YU, JI-YEON, KR</p> <p>[72] BATOCHIR, CHINBAYAR, KR</p> <p>[72] HUR, DEOKHWE, KR</p> <p>[72] PARK, HEE KYUNG, KR</p> <p>[71] SEASUN THERAPEUTICS, KR</p> <p>[85] 2019-02-08</p> <p>[86] 2017-08-09 (PCT/KR2017/008636)</p> <p>[87] (WO2018/030789)</p> <p>[30] KR (10-2016-0101374) 2016-08-09</p>	<p style="text-align: center;">[21] 3,033,475 [13] A1</p> <p>[51] Int.Cl. C07K 14/54 (2006.01) A61K 38/20 (2006.01) A61K 38/24 (2006.01) C07K 14/59 (2006.01)</p> <p>[25] EN</p> <p>[54] HETERODIMERIC FC-FUSED CYTOKINE AND PHARMACEUTICAL COMPOSITION COMPRISING THE SAME</p> <p>[54] CYTOKINE FUSIONNEE A UN HETERODIMERE FC D'IMMUNOGLOBULINE ET COMPOSITION PHARMACEUTIQUE LA CONTENANT</p> <p>[72] KIM, YONG SUNG, KR</p> <p>[72] JUNG, KEUNOK, KR</p> <p>[72] HA, JI HEE, KR</p> <p>[72] KIM, YE JIN, KR</p> <p>[72] CHOI, DONG KI, KR</p> <p>[72] CHOI, HYE JI, KR</p> <p>[71] AJOU UNIVERSITY INDUSTRY-ACADEMIC COOPERATION FOUNDATION, KR</p> <p>[85] 2019-02-08</p> <p>[86] 2017-08-10 (PCT/KR2017/008676)</p> <p>[87] (WO2018/030806)</p> <p>[30] KR (10-2016-0101823) 2016-08-10</p> <p>[30] KR (10-2017-0101594) 2017-08-10</p>
<p style="text-align: center;">[21] 3,033,473 [13] A1</p> <p>[51] Int.Cl. A61N 5/10 (2006.01) A61B 6/00 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR THE AUTOMATION OF THE DOSE CALIBRATION, RECONSTRUCTION AND VERIFICATION OF COMPLEX RADIOTHERAPY TREATMENTS, INTEGRATED INTO ONE ENVIRONMENT, AND SYSTEM FOR IMPLEMENTINGSAME</p> <p>[54] METHODE D'AUTOMATISATION D'ETALONNAGE POUR LA DOSIMETRIE, LA RECONSTRUCTION ET LA VERIFICATION DE TRAITEMENTS COMPLEXES DE RADIOTHERAPIE INTEGREE DANS UN ENVIRONNEMENT ET SYSTEME POUR LA MISE EN OEUVRE DE LADITE METHODE</p> <p>[72] OVEJERO MAYORAL, MARIA DEL CARMEN, ES</p> <p>[71] OVEJERO MAYORAL, MARIA DEL CARMEN, ES</p> <p>[85] 2019-02-08</p> <p>[86] 2017-08-10 (PCT/ES2017/070577)</p> <p>[87] (WO2018/029392)</p> <p>[30] ES (201631090) 2016-08-10</p>	<p style="text-align: center;">[21] 3,033,476 [13] A1</p> <p>[51] Int.Cl. A61B 17/17 (2006.01) A61B 17/15 (2006.01) A61B 17/16 (2006.01)</p> <p>[25] EN</p> <p>[54] VARIABLE ANGLE CUTTING GUIDE AND METHOD OF USING THE SAME</p> <p>[54] GUIDE DE COUPE A ANGLE VARIABLE ET PROCEDE D'UTILISATION DUDIT GUIDE DE COUPE A ANGLE VARIABLE</p> <p>[72] DHILLON, BRAHAM K., US</p> <p>[71] WRIGHT MEDICAL TECHNOLOGY, INC., US</p> <p>[85] 2019-02-08</p> <p>[86] 2016-10-19 (PCT/US2016/057700)</p> <p>[87] (WO2018/075028)</p>	

PCT Applications Entering the National Phase

[21] **3,033,477**
[13] A1

[51] **Int.Cl. G06Q 20/36 (2012.01) G06Q 20/32 (2012.01)**
[25] EN
[54] **FASTER DIGITAL WALLET PROCESSING**
[54] **TRAITEMENT DE PORTEFEUILLE NUMERIQUE PLUS RAPIDE**
[72] SABY, BERTRAND, ES
[72] FREIRE, RAMON, ES
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2019-02-08
[86] 2017-07-24 (PCT/US2017/043451)
[87] (WO2018/031222)
[30] EP (16183885.9) 2016-08-11
[30] US (15/643,853) 2017-07-07

[21] **3,033,478**
[13] A1

[51] **Int.Cl. G06Q 50/00 (2012.01) G06Q 10/08 (2012.01) G06Q 30/06 (2012.01) G06Q 50/28 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONFIDENTIALLY ISSUING AND MANAGING DELIVERY WAYBILL USING VIRTUAL PERSONAL INFORMATION**
[54] **SYSTEME ET PROCEDE D'EMISSION ET DE GESTION D'UN BORDEREAU D'EXPEDITION SECURISE A L'AIDE D'INFORMATIONS PERSONNELLES VIRTUELLES**
[72] JO, NAM SEOB, KR
[72] PARK, CHAN HEUI, KR
[72] KIM, HAN JOO, KR
[72] WOO, KWANG SU, KR
[72] KO, JEONG HO, KR
[71] K CLOUD CO.,LTD., KR
[85] 2019-02-08
[86] 2017-08-11 (PCT/KR2017/008715)
[87] (WO2018/030827)
[30] KR (10-2016-0102104) 2016-08-11

[21] **3,033,479**
[13] A1

[51] **Int.Cl. G06Q 50/00 (2012.01) G06Q 10/08 (2012.01) G06Q 30/06 (2012.01) G06Q 50/28 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONFIDENTIALLY ISSUING AND MANAGING DELIVERY WAYBILL USING VIRTUAL PERSONAL INFORMATION MATCHED WITH CREDIT CARD INFORMATION**
[54] **SYSTEME ET PROCEDE D'EMISSION ET DE GESTION D'UNE FEUILLE DE ROUTE SECURISEE A L'AIDE D'INFORMATIONS PERSONNELLES VIRTUELLES MISES EN CORRESPONDANCE AVEC DES INFORMATIONS SUR LES CARTES**
[72] JO, NAM SEOB, KR
[72] PARK, CHAN HEUI, KR
[72] KIM, HAN JOO, KR
[72] WOO, KWANG SU, KR
[72] KO, JEONG HO, KR
[71] K CLOUD CO.,LTD., KR
[85] 2019-02-08
[86] 2017-08-11 (PCT/KR2017/008716)
[87] (WO2018/030828)
[30] KR (10-2016-0102105) 2016-08-11

[21] **3,033,480**
[13] A1

[51] **Int.Cl. F42B 12/62 (2006.01) F42B 30/00 (2006.01)**
[25] EN
[54] **METHOD AND ARRANGEMENT FOR MODIFYING A SEPARABLE PROJECTILE**
[54] **PROCEDE ET AGENCEMENT POUR MODIFIER UN PROJECTILE SEPARABLE**
[72] HEICHE, ULF, SE
[71] BAE SYSTEMS BOFORS AB, SE
[85] 2019-02-08
[86] 2017-09-14 (PCT/SE2017/050901)
[87] (WO2018/052365)
[30] SE (1630224-2) 2016-09-15

[21] **3,033,481**
[13] A1

[51] **Int.Cl. G08B 17/00 (2006.01) G08B 17/08 (2006.01) G08B 17/10 (2006.01)**
[25] EN
[54] **DEVICE FOR WARNING OF PRE-FIRE SITUATIONS ARISING AS A RESULT OF LOCAL OVERHEATING OF ELECTRICAL EQUIPMENT**
[54] **DISPOSITIF D'ALERTE AUTONOME POUR DES SITUATIONS DE PRE-INCENDIE CREEES EN CAS DE SURCHAUFFE LOCALE D'EQUIPEMENTS ELECTRIQUES**
[72] LESIV, ALEKSEY VALERYEVICH, RU
[71] LIMITED LIABILITY COMPANY "TERMOELEKTRICA", RU
[85] 2019-02-08
[86] 2016-08-10 (PCT/RU2016/000528)
[87] (WO2017/026919)
[30] RU (2015133302) 2015-08-10

[21] **3,033,482**
[13] A1

[51] **Int.Cl. B03D 1/02 (2006.01) C22B 3/04 (2006.01) C22B 3/22 (2006.01) G01F 1/00 (2006.01)**
[25] EN
[54] **FLOTATION METHOD**
[54] **PROCEDE DE FLOTTATION**
[72] RINNE, ANTTI, FI
[72] BOURKE, PETER GERARD, AU
[71] OUTOTEC (FINLAND) OY, FI
[85] 2019-02-08
[86] 2016-08-15 (PCT/FI2016/050562)
[87] (WO2018/033658)

[21] **3,033,483**
[13] A1

[51] **Int.Cl. G06N 3/02 (2006.01) G06Q 10/06 (2012.01) G06Q 50/02 (2012.01)**
[25] EN
[54] **DELINEATING MANAGEMENT ZONES BASED ON HISTORICAL YIELD MAPS**
[54] **DELIMITATION DE ZONES DE GESTION SUR LA BASE DE CARTES DE RENDEMENT HISTORIQUES**
[72] XU, LIJUAN, US
[72] HASSANZADEH, ANAHITA, US
[71] THE CLIMATE CORPORATION, US
[85] 2019-02-08
[86] 2017-06-27 (PCT/US2017/039463)
[87] (WO2018/031128)
[30] US (15/234,943) 2016-08-11

Demandes PCT entrant en phase nationale

[21] 3,033,484 [13] A1	[21] 3,033,486 [13] A1	[21] 3,033,488 [13] A1
[51] Int.Cl. H04N 21/462 (2011.01) H04N 21/4402 (2011.01) H04N 21/81 (2011.01)	[51] Int.Cl. G08B 17/00 (2006.01) C07C 19/00 (2006.01) G08B 17/10 (2006.01) G08B 17/08 (2006.01)	[51] Int.Cl. G01J 3/28 (2006.01) G06K 9/00 (2006.01) G06T 7/00 (2017.01) G06T 7/40 (2017.01)
[25] EN	[25] EN	[25] EN
[54] METHODS AND SYSTEM FOR CUSTOMIZING IMMERSIVE MEDIA CONTENT	[54] METHOD OF DETECTING PRE-FIRE SITUATIONS ARISING AS A RESULT OF ELECTRICAL CIRCUIT FAULTS	[54] ESTIMATING NITROGEN CONTENT USING HYPERSPECTRAL AND MULTISPECTRAL IMAGES
[54] PROCEDES ET SYSTEME PERMETTANT DE PERSONNALISER UN CONTENU MULTIMEDIA IMMERSIF	[54] PROCEDE POUR DETECTER LES SITUATIONS A RISQUE D'INCENDIE EN RAISON D'UNE PANNE DANS LE CIRCUIT ELECTRIQUE	[54] ESTIMATION DE TENEUR EN AZOTE AU MOYEN D'IMAGES HYPERSPECTRALES ET MULTISPECTRALES
[72] PATEL, DIPAK MAHENDRA, US	[72] LESIV, ALEKSEY VALERYEVICH, RU	[72] GUAN, WEI, US
[72] GANANCIAL SANTOS, ARLENE JOY, US	[71] LIMITED LIABILITY COMPANY "TERMOELEKTRICA", RU	[72] XU, YING, US
[72] COLLINS, SCOTT RILEY, US	[85] 2019-02-08	[71] THE CLIMATE CORPORATION, US
[72] BOR, BRYAN DANIEL, US	[86] 2016-08-10 (PCT/RU2016/000529)	[85] 2019-02-08
[72] DUBOV, ADAM MARK, US	[87] (WO2017/026920)	[86] 2017-07-26 (PCT/US2017/044040)
[72] HARRINGTON, TIMOTHY GEORGE, US	[30] RU (2015133305) 2015-08-10	[87] (WO2018/031238)
[72] SPERSKE, JASON, US		[30] US (15/231,505) 2016-08-08
[71] ZEALITY INC., US		
[85] 2019-02-08		
[86] 2017-07-21 (PCT/US2017/043369)		
[87] (WO2018/018000)		
[30] US (15/217,961) 2016-07-22	[21] 3,033,487 [13] A1	[21] 3,033,489 [13] A1
[30] US (15/284,330) 2016-10-03	[51] Int.Cl. H05B 3/10 (2006.01) H04B 3/00 (2006.01) H05B 6/10 (2006.01)	[51] Int.Cl. G06N 3/02 (2006.01) G06N 3/08 (2006.01) G06N 5/04 (2006.01)
[30] US (15/356,481) 2016-11-18	[25] EN	[25] EN
	[54] INDUCTION HEATING POWER SUPPLIES, DATA COLLECTION SYSTEMS, AND INDUCTION HEATING SYSTEMS TO COMMUNICATE OVER AN INDUCTION HEATING CABLE	[54] SYSTEMS AND METHODS FOR LEARNING AND PREDICTING TIME-SERIES DATA USING INERTIAL AUTO-ENCODERS
	[54] ALIMENTATIONS ELECTRIQUES DE CHAUFFAGE PAR INDUCTION, SYSTEMES DE COLLECTE DE DONNEES, ET SYSTEMES DE CHAUFFAGE PAR INDUCTION POUR COMMUNIQUER SUR UN CABLE DE CHAUFFAGE PAR INDUCTION	[54] SYSTEMES ET PROCEDES D'APPRENTISSAGE ET DE PREDICTION DE DONNEES CHRONOLOGIQUES A L'AIDE D'AUTO-CODEURS INERTIELS
	[72] SALSICH, ANTHONY V., US	[72] BURCHARD, PAUL, US
	[72] PROCHNOW, GREGG, US	[71] GOLDMAN SACHS & CO. LLC, US
	[72] MCWITHEY, KEVIN, US	[85] 2019-02-08
	[71] ILLINOIS TOOL WORKS INC., US	[86] 2017-08-01 (PCT/US2017/044963)
	[85] 2019-02-08	[87] (WO2018/031301)
	[86] 2017-07-24 (PCT/US2017/043509)	[30] US (62/372,206) 2016-08-08
	[87] (WO2018/031225)	
	[30] US (15/235,383) 2016-08-12	
[21] 3,033,485 [13] A1		
[51] Int.Cl. F03B 13/10 (2006.01) F03B 13/26 (2006.01) F03B 17/06 (2006.01)		
[25] EN		
[54] BIDIRECTIONAL SYSTEM AND APPARATUS FOR GENERATING POWER		
[54] SYSTEME ET APPAREIL BIDIRECTIONNELS DE PRODUCTION D'ENERGIE		
[72] ROBERTS, PETER, GB		
[72] KETTLE, ROBERT, GB		
[71] VERDERG RENEWABLE ENERGY LIMITED, GB		
[85] 2019-02-08		
[86] 2017-08-09 (PCT/GB2017/052344)		
[87] (WO2018/029467)		
[30] GB (1613764.8) 2016-08-10		

PCT Applications Entering the National Phase

[21] **3,033,491**
[13] A1

[51] **Int.Cl. G08B 17/00 (2006.01) G08B 17/08 (2006.01) G08B 17/10 (2006.01)**

[25] EN

[54] **COMPOSITE MATERIAL FOR SIGNALLING LOCAL OVERHEATING OF ELECTRICAL EQUIPMENT**

[54] **MATERIAU COMPOSITE POUR FORMER UN SIGNAL ANNONCANT DES SURCHAUFFES LOCALES D'EQUIPEMENTS ELECTRIQUES**

[72] LESIV, ALEKSEY VALERYEVICH, RU

[71] LIMITED LIABILITY COMPANY "TERMOELEKTRICA", RU

[85] 2019-02-08

[86] 2016-08-10 (PCT/RU2016/000530)

[87] (WO2017/026921)

[30] RU (2015133303) 2015-08-10

[21] **3,033,492**
[13] A1

[51] **Int.Cl. B65F 1/14 (2006.01) G06Q 30/02 (2012.01)**

[25] EN

[54] **SMART WASTE RECEPTACLE PROVIDING USE-INCENTIVE**

[54] **RECIPIENT A DECHETS INTELLIGENT FOURNISSANT UNE INCITATION A L'UTILISATION**

[72] RODONI, PHILIP, US

[71] RUBICON GLOBAL HOLDINGS, LLC, US

[85] 2019-02-08

[86] 2017-08-02 (PCT/US2017/045049)

[87] (WO2018/031332)

[30] US (15/231,095) 2016-08-08

[21] **3,033,493**
[13] A1

[51] **Int.Cl. G06K 9/00 (2006.01) G06K 9/20 (2006.01)**

[25] EN

[54] **SKINPRINT ANALYSIS METHOD AND APPARATUS**

[54] **PROCEDE ET APPAREIL D'ANALYSE D'EMPREINTE CUTANEE**

[72] GORDON, BENJAMIN, GB

[72] WILSON, PAUL, GB

[71] INTELLIGENT FINGERPRINTING LIMITED, GB

[85] 2019-02-08

[86] 2017-08-10 (PCT/GB2017/052365)

[87] (WO2018/029482)

[30] GB (1613819.0) 2016-08-11

[21] **3,033,497**
[13] A1

[51] **Int.Cl. A61K 31/165 (2006.01) A61K 31/401 (2006.01) A61K 31/4045 (2006.01) A61P 25/28 (2006.01)**

[25] EN

[54] **MODIFIED PEPTIDES FOR USE IN TREATING NEURODEGENERATIVE DISORDERS**

[54] **PEPTIDES MODIFIES DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE TROUBLES NEURODEGENERATIFS**

[72] GREENFIELD, SUSAN, GB

[72] GARCIA-RATES, SARA, GB

[72] MORAL, JESUS, ES

[72] COSANO, ROGER, ES

[71] NEURO-BIO LTD, GB

[85] 2019-02-08

[86] 2017-08-16 (PCT/GB2017/052407)

[87] (WO2018/033724)

[30] GB (1613999.0) 2016-08-16

[30] GB (1701455.6) 2017-01-30

[21] **3,033,498**
[13] A1

[51] **Int.Cl. A61F 6/18 (2006.01)**

[25] EN

[54] **APPLICATOR DEVICE**

[54] **DISPOSITIF D'APPLICATION**

[72] SPITZ, ROBERT M., US

[71] CONTINE CORPORATION, US

[85] 2019-02-08

[86] 2017-08-08 (PCT/US2017/045840)

[87] (WO2018/031515)

[30] US (62/372,575) 2016-08-09

[21] **3,033,500**
[13] A1

[51] **Int.Cl. C07K 11/02 (2006.01) A61K 38/00 (2006.01)**

[25] EN

[54] **AUREOBASIDIUM DERIVATIVES AND METHODS OF SYNTHESIS**

[54] **DERIVES D'AUREOBASIDIUM ET PROCEDES DE SYNTHESE**

[72] WUTS, PETER, US

[72] ELHAMMER, AKE P., US

[71] AUREOGEN BIOSCIENCES, INC., US

[85] 2019-02-08

[86] 2017-08-08 (PCT/US2017/045851)

[87] (WO2018/031521)

[30] US (62/371,936) 2016-08-08

[21] **3,033,501**
[13] A1

[51] **Int.Cl. A01C 7/04 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR DEPOSITING SEEDS IN A GROW POD**

[54] **SYSTEMES ET PROCEDES DE DEPOT DE GRAINES DANS UNE BARQUETTE DE CULTURE**

[72] MILLAR, GARY BRET, US

[71] GROW SOLUTIONS TECH LLC, US

[85] 2019-02-08

[86] 2018-03-16 (PCT/US2018/022960)

[87] (WO2018/231309)

[30] US (62/519,593) 2017-06-14

[30] US (62/519,352) 2017-06-14

[30] US (62/519,605) 2017-06-14

[30] US (15/922,011) 2018-03-15

Demandes PCT entrant en phase nationale

[21] **3,033,502**
[13] A1

[51] **Int.Cl. G06F 17/50 (2006.01)**
[25] EN
[54] **COMPUTER AIDED DESIGN WITH HIGH RESOLUTION LATTICE STRUCTURES USING GRAPHICS PROCESSING UNITS (GPU)**
[54] **CONCEPTION ASSISTEE PAR ORDINATEUR AVEC STRUCTURES RETICULAIRES A HAUTE RESOLUTION UTILISANT DES UNITES DE TRAITEMENT GRAPHIQUE (GPU)**
[72] ALLEN, GEORGE, CN
[72] MUSUVATHY, SURAJ RAVI, US
[71] SIEMENS PRODUCT LIFECYCLE MANAGEMENT SOFTWARE INC., US
[85] 2019-02-08
[86] 2017-08-11 (PCT/US2017/046539)
[87] (WO2018/031904)
[30] US (62/374,353) 2016-08-12

[21] **3,033,503**
[13] A1

[51] **Int.Cl. H01H 9/30 (2006.01)**
[25] EN
[54] **SF6 INSULATED CIRCUIT BREAKER SYSTEM WITH THERMAL CAPACITOR**
[54] **SYSTEME DE DISJONCTEUR ISOLE AU SF6 AYANT UN CONDENSATEUR THERMIQUE**
[72] VLADUCHICK, PAUL, US
[72] CUPETT, MATTHEW, US
[72] ARISTIZABAL, MAURICIO, US
[71] ABB SCHWEIZ AG, CH
[85] 2019-02-08
[86] 2017-08-09 (PCT/US2017/046057)
[87] (WO2018/031630)
[30] US (15/233,620) 2016-08-10

[21] **3,033,504**
[13] A1

[51] **Int.Cl. A61B 5/04 (2006.01) A61B 5/0476 (2006.01) A61B 10/00 (2006.01)**
[25] EN
[54] **PORTABLE ALZHEIMER DETECTOR**
[54] **DETECTEUR D'ALZHEIMER PORTATIF**
[72] GAND, FRANCOIS, CA
[71] GAND, FRANCOIS, CA
[85] 2019-02-11
[86] 2017-08-11 (PCT/CA2017/000189)
[87] (WO2018/027298)
[30] US (62/374,287) 2016-08-12

[21] **3,033,505**
[13] A1

[51] **Int.Cl. A01K 67/02 (2006.01) A01K 67/027 (2006.01) A61K 49/00 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS RELATING TO IMPROVED HUMAN RED BLOOD CELL SURVIVAL IN GENETICALLY MODIFIED IMMUNODEFICIENT NON-HUMAN ANIMALS**
[54] **PROCEDES ET COMPOSITIONS LIES A LA SURVIE AMELIOREE DE GLOBULES ROUGES HUMAINS DANS DES ANIMAUX NON HUMAINS IMMUNODEFICIENTS GENETIQUEMENT MODIFIES**
[72] SHULTZ, LEONARD D., US
[72] WILES, MICHAEL V., US
[71] THE JACKSON LABORATORY, US
[85] 2019-02-08
[86] 2017-08-11 (PCT/US2017/046566)
[87] (WO2018/031920)
[30] US (62/373,671) 2016-08-11

[21] **3,033,506**
[13] A1

[51] **Int.Cl. C12N 15/10 (2006.01) C12Q 1/68 (2018.01) C40B 40/08 (2006.01) C40B 50/18 (2006.01)**
[25] EN
[54] **METHODS OF DE NOVO ASSEMBLY OF BARCODED GENOMIC DNA FRAGMENTS**
[54] **PROCEDES D'ASSEMBLAGE DE NOVO DE FRAGMENTS CODES-BARRES D'ADN GENOMIQUE**
[72] XIE, XIAOLIANG SUNNEY, US
[72] XING, DONG, US
[72] CHANG, CHI-HAN, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2019-02-08
[86] 2017-08-09 (PCT/US2017/046060)
[87] (WO2018/031631)
[30] US (62/373,057) 2016-08-10

[21] **3,033,507**
[13] A1

[51] **Int.Cl. A61F 2/14 (2006.01) A61K 38/17 (2006.01) A61K 47/42 (2017.01) C07K 14/435 (2006.01)**
[25] EN
[54] **SILK-DERIVED PROTEIN FOR TREATING INFLAMMATION**
[54] **PROTEINE DERIVEE DE LA SOIE POUR LE TRAITEMENT D'UNE INFLAMMATION**
[72] LAWRENCE, BRIAN D., US
[72] INFANGER, DAVID W., US
[71] SILK TECHNOLOGIES, LTD., US
[85] 2019-02-08
[86] 2017-08-12 (PCT/US2017/046659)
[87] (WO2018/031973)
[30] US (62/374,532) 2016-08-12
[30] US (62/407,863) 2016-10-13
[30] US (62/467,697) 2017-03-06

[21] **3,033,508**
[13] A1

[51] **Int.Cl. A01H 4/00 (2006.01) A01G 7/00 (2006.01) A01H 3/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR REGENERATION, ACCLIMATIZATION, AND CONDITIONING OF PLANT PROPAGULES**
[54] **PROCEDE ET APPAREIL POUR LA REGENERATION, L'ACCLIMATATION ET LE CONDITIONNEMENT DE PROPAGULES DE PLANTES**
[72] SCANLON, JEFFREY, CA
[72] SCANLON, PATRICK, CA
[72] YOUNG, PETER, CA
[71] SAED TECHNOLOGIES LTD., CA
[85] 2019-02-11
[86] 2017-07-04 (PCT/CA2017/050808)
[87] (WO2018/027303)
[30] US (15/232,469) 2016-08-09

PCT Applications Entering the National Phase

[21] **3,033,509**
[13] A1

- [51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **METHODS FOR FLEXIBLE RESOURCE USAGE**
[54] **PROCEDES D'UTILISATION FLEXIBLE DE RESSOURCES**
[72] TOOHER, J. PATRICK, CA
[72] MARINIER, PAUL, CA
[72] FREDA, MARTINO M., CA
[72] PELLETIER, GHYSLAIN, CA
[71] IDAC HOLDINGS, INC., US
[85] 2019-02-08
[86] 2017-08-09 (PCT/US2017/046105)
[87] (WO2018/031664)
[30] US (62/373,089) 2016-08-10
[30] US (62/400,950) 2016-09-28

[21] **3,033,511**
[13] A1

- [51] **Int.Cl. H01M 4/02 (2006.01) C25B 1/02 (2006.01) H01M 4/90 (2006.01)**
[25] EN
[54] **ADDITIVE CONTAINING ELECTROLYTES FOR HIGH ENERGY RECHARGEABLE METAL ANODE BATTERIES**
[54] **ADDITIF CONTENANT DES ELECTROLYTES POUR DES BATTERIES D'ANODES METALLIQUES RECHARGEABLES A ENERGIE ELEVEE**
[72] JILEK, ROBERT, US
[72] DOE, ROBERT ELLIS, US
[72] EAGLESHAM, DAVID, US
[72] GMITTER, ANDREW J., US
[72] NEWHOUSE, JOCELYN M., US
[72] TRAHAN, MATTHEW, US
[71] PELLION TECHNOLOGIES, INC., US
[85] 2019-02-08
[86] 2017-08-14 (PCT/US2017/046685)
[87] (WO2018/031983)
[30] US (62/374,241) 2016-08-12

[21] **3,033,512**
[13] A1

- [51] **Int.Cl. C12N 7/01 (2006.01) A61K 31/7088 (2006.01) A61K 35/76 (2015.01) C07K 14/47 (2006.01) C07K 16/28 (2006.01) C12N 15/863 (2006.01)**
[25] EN
[54] **CHIMERIC POXVIRUS COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS DE POXVIRUS CHIMERIQUES ET LEURS UTILISATIONS**
[72] FONG, YUMAN, US
[72] CHEN, NANHAI, US
[71] CITY OF HOPE, US
[85] 2019-02-08
[86] 2017-08-09 (PCT/US2017/046163)
[87] (WO2018/031694)
[30] US (62/372,408) 2016-08-09
[30] US (62/519,010) 2017-06-13

[21] **3,033,513**
[13] A1

- [51] **Int.Cl. F24C 3/12 (2006.01) A21B 1/26 (2006.01) A21B 1/36 (2006.01) F24C 1/14 (2006.01) F24C 7/08 (2006.01)**
[25] EN
[54] **CONVECTION OVEN**
[54] **FOUR A CONVECTION**
[72] BAILIE, WILLIAM, CA
[71] BAILIE, WILLIAM, CA
[85] 2019-02-11
[86] 2017-08-11 (PCT/CA2017/050955)
[87] (WO2018/027328)
[30] US (15/234,977) 2016-08-11

[21] **3,033,514**
[13] A1

- [51] **Int.Cl. G06Q 50/18 (2012.01)**
[25] EN
[54] **CUSTOMIZED PLATFORM FOR HOST PROTECTION IN HOME SHARING**
[54] **PLATE-FORME PERSONNALISEE DE PROTECTION D'UN HOTE DANS UN PARTAGE DOMESTIQUE**
[72] SNYDER, JENNIFER L., US
[72] HRADEK, CHRISTY, US
[71] ALLSTATE INSURANCE COMPANY, US
[85] 2019-02-08
[86] 2017-08-14 (PCT/US2017/046702)
[87] (WO2018/035011)
[30] US (15/237,197) 2016-08-15

[21] **3,033,515**
[13] A1

- [51] **Int.Cl. A61B 1/00 (2006.01) A61B 1/012 (2006.01) A61B 1/018 (2006.01) A61B 17/00 (2006.01) A61B 17/04 (2006.01) A61B 17/06 (2006.01)**
[25] EN
[54] **ENDOSCOPIC SUTURING SYSTEM HAVING EXTERNAL INSTRUMENT CHANNEL**
[54] **SYSTEME DE SUTURE ENDOSCOPIQUE AYANT UN CANAL D'INSTRUMENT EXTERNE**
[72] MITELBERG, VLADIMIR, US
[72] NEUDECK, THOMAS, US
[72] MIMS, JOHN, US
[72] GILKEY, RYAN, US
[72] GILKEY, LANDON, US
[71] APOLLO ENDOSURGERY US, INC., US
[85] 2019-02-08
[86] 2017-08-09 (PCT/US2017/046167)
[87] (WO2018/031696)
[30] US (15/233,737) 2016-08-10
[30] US (15/468,962) 2017-03-24

[21] **3,033,516**
[13] A1

- [51] **Int.Cl. C02F 1/28 (2006.01) B01J 20/00 (2006.01) B01J 20/02 (2006.01) B01J 20/28 (2006.01) C02F 1/00 (2006.01)**
[25] EN
[54] **HIGH PERMEABILITY MEDIA MIX (HPMM) FOR PHOSPHOROUS AND NITROGEN REMOVAL FROM CONTAMINATED WATERS**
[54] **MELANGE DE MILIEUX A PERMEABILITE ELEVEE (HPMM) POUR L'ELIMINATION DU PHOSPHORE ET DE L'AZOTE PRESENTS DANS DES EAUX CONTAMINEES**
[72] DAVIS, ALLEN P., US
[72] OSTROM, TRAVIS, US
[72] WHITE, CHARLES, US
[71] UNIVERSITY OF MARYLAND, US
[71] PAVERGUIDE, INC., US
[85] 2019-02-08
[86] 2017-08-14 (PCT/US2017/046834)
[87] (WO2018/032019)
[30] US (62/374,583) 2016-08-12

Demandes PCT entrant en phase nationale

[21] **3,033,517**
[13] A1

[51] **Int.Cl. G08B 17/00 (2006.01) C08F 20/56 (2006.01) G08B 17/08 (2006.01) G08B 17/10 (2006.01)**

[25] EN

[54] **SYSTEM FOR SIGNALLING A PRE-FIRE SITUATION**

[54] **SYSTEME DE SIGNALISATION D'UNE SITUATION A RISQUE D'INCENDIE**

[72] LESIV, ALEKSEY VALERYEVICH, RU

[71] LIMITED LIABILITY COMPANY "TERMOELEKTRICA", RU

[85] 2019-02-08

[86] 2016-08-10 (PCT/RU2016/000531)

[87] (WO2017/026922)

[30] RU (2015133304) 2015-08-10

[21] **3,033,518**
[13] A1

[51] **Int.Cl. G01N 27/447 (2006.01) B03C 5/00 (2006.01) G01N 15/10 (2006.01)**

[25] EN

[54] **HYPER EFFICIENT SEPARATIONS DEVICE**

[54] **DISPOSITIF DE SEPARATION HYPER-EFFICACE**

[72] HAYES, MARK, US

[72] CROWTHER, CLAIRE, US

[72] JONES, PAUL, US

[71] ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY, US

[85] 2019-02-08

[86] 2017-08-10 (PCT/US2017/046217)

[87] (WO2018/031722)

[30] US (62/372,846) 2016-08-10

[21] **3,033,519**
[13] A1

[51] **Int.Cl. G01M 1/04 (2006.01) G01M 1/16 (2006.01)**

[25] EN

[54] **BALANCING DEVICE, UNIFORMITY DEVICE AND METHODS FOR UTILIZING THE SAME**

[54] **DISPOSITIF D'EQUILIBRAGE, DISPOSITIF D'UNIFORMITE ET LEURS PROCEDES D'UTILISATION**

[72] LAWSON, LAWRENCE J., US

[72] REECE, ROBERT, US

[72] CLARK, BARRY ALLAN, US

[72] STRAITIFF, DONALD GRAHAM, US

[71] ANDROID INDUSTRIES LLC, US

[85] 2019-02-08

[86] 2017-08-15 (PCT/US2017/046840)

[87] (WO2018/035071)

[30] US (15/238,268) 2016-08-16

[21] **3,033,520**
[13] A1

[51] **Int.Cl. A62C 35/58 (2006.01) A62C 35/60 (2006.01) A62C 35/64 (2006.01) A62C 35/68 (2006.01) F16K 15/03 (2006.01)**

[25] EN

[54] **MODULAR VALVE ASSEMBLY**

[54] **ENSEMBLE VANNE MODULAIRE**

[72] RINGER, YORAM, US

[72] MAUGHAN, KEVIN DESMOND, US

[72] ARCHIBALD, THOMAS EDWIN, US

[72] MEYER, STEPHEN J., US

[71] GLOBE FIRE SPRINKLER CORPORATION, US

[85] 2019-02-08

[86] 2017-03-10 (PCT/US2017/021882)

[87] (WO2018/031074)

[30] US (62/373,626) 2016-08-11

[30] US (15/402,840) 2017-01-10

[21] **3,033,521**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01)**

[25] EN

[54] **ULTRA-LOW COVERAGE GENOME SEQUENCING AND USES THEREOF**

[54] **SEQUENCAGE DE GENOME A ULTRA-FAIBLE COUVERTURE ET SES UTILISATIONS**

[72] PICKRELL, JOSEPH K., US

[72] BERISA, TOMAZ, US

[72] JAINI, SUMA, US

[72] HOUCK-LOOMIS, BRIAN, US

[72] WASIK, KAJA, US

[71] NEW YORK GENOME CENTER, INC., US

[85] 2019-02-08

[86] 2017-08-10 (PCT/US2017/046238)

[87] (WO2018/031739)

[30] US (62/373,054) 2016-08-10

[21] **3,033,522**
[13] A1

[51] **Int.Cl. B32B 21/08 (2006.01) B32B 27/06 (2006.01) B32B 27/30 (2006.01) B32B 27/42 (2006.01) B32B 37/06 (2006.01) B32B 37/14 (2006.01) C08G 12/32 (2006.01) C09D 163/10 (2006.01)**

[25] EN

[54] **STAINABLE MELAMINE LAMINATE PRODUCTS, COMPOSITIONS, AND METHODS OF MANUFACTURE**

[54] **PRODUITS STRATIFIES MELAMINES POUVANT ETRE TEINTS, COMPOSITIONS ET PROCEDES DE FABRICATION**

[72] FUHR, ADAM CURTIS, US

[71] PRESSING DEVELOPMENTS, L.L.C., US

[85] 2019-02-08

[86] 2017-08-10 (PCT/US2017/046386)

[87] (WO2018/031831)

[30] US (62/373,287) 2016-08-10

[30] US (62/412,256) 2016-10-24

PCT Applications Entering the National Phase

[21] **3,033,523**
[13] A1

[51] **Int.Cl. H02S 20/10 (2014.01) H02S 40/32 (2014.01) H02S 40/34 (2014.01)**
[25] EN
[54] **TOTEM POLE SOLAR CAPTURE HOUSING UNIT**
[54] **UNITE DE BOITIER DE CAPTURE SOLAIRE A MAT TOTEMIQUE**
[72] BRADLEY, PATRICK MICHAEL, CA
[71] BRADLEY, PATRICK MICHAEL, CA
[85] 2019-02-11
[86] 2017-08-14 (PCT/CA2017/050958)
[87] (WO2018/035601)
[30] CA (2939667) 2016-08-22

[21] **3,033,524**
[13] A1

[51] **Int.Cl. A01K 5/02 (2006.01) A01M 25/00 (2006.01)**
[25] EN
[54] **TIME RELEASE APPLICATION AND MONITORING SYSTEM**
[54] **APPLICATION DE CHRONOREGULATION ET SYSTEME DE SURVEILLANCE**
[72] LUTTRELL, ROBERT SHANE, US
[72] KAUFFMAN, MASON, US
[72] ZATECHKA, STEVEN, US
[72] PRZYBYSZEWSKI, CHRISTOPHER, US
[71] US BIOLOGIC, INC, US
[85] 2019-02-08
[86] 2017-04-19 (PCT/US2017/028469)
[87] (WO2017/184791)
[30] US (62/324,812) 2016-04-19

[21] **3,033,525**
[13] A1

[51] **Int.Cl. A61B 17/04 (2006.01)**
[25] EN
[54] **DEVICE FOR SECURING SUTURE TO AN ANCHOR BODY OF A SUTURE ANCHOR**
[54] **DISPOSITIF DE FIXATION DE SUTURE A UN CORPS D'ANCRAGE D'UN ANCRAGE DE SUTURE**
[72] KAM, ANDREW, US
[71] CONMED CORPORATION, US
[85] 2019-02-08
[86] 2017-08-16 (PCT/US2017/047156)
[87] (WO2018/035232)
[30] US (62/375,652) 2016-08-16

[21] **3,033,526**
[13] A1

[51] **Int.Cl. B01F 3/04 (2006.01) B01F 5/04 (2006.01) B01F 13/10 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FEEDING GAS INTO LIQUID**
[54] **SYSTEME ET PROCEDE D'ALIMENTATION DE GAZ DANS UN LIQUIDE**
[72] CHENG, ALAN T., US
[72] HO, YEU-CHUAN SIMON, US
[72] HUNEK, BALAZS, US
[71] PRAXAIR TECHNOLOGY, INC., US
[85] 2019-02-08
[86] 2017-08-17 (PCT/US2017/047278)
[87] (WO2018/035285)
[30] US (62/376,640) 2016-08-18
[30] US (15/678,465) 2017-08-16

[21] **3,033,527**
[13] A1

[51] **Int.Cl. F25B 17/08 (2006.01) F25D 11/00 (2006.01) F25D 11/02 (2006.01)**
[25] EN
[54] **TRANSPORT CONTAINER**
[54] **CONTENANT DE TRANSPORT**
[72] ROS, NICO, CH
[71] REP IP AG, CH
[85] 2019-02-08
[86] 2017-08-09 (PCT/IB2017/000940)
[87] (WO2018/029521)
[30] AT (A 367/2016) 2016-08-09

[21] **3,033,528**
[13] A1

[51] **Int.Cl. H04L 1/16 (2006.01)**
[25] EN
[54] **FINE GRANULARITY ACK/NACK FEEDBACK FOR 5G COMMUNICATION SYSTEM**
[54] **RETROACTION ACK/NACK A GRANULARITE FINE POUR SYSTEME DE COMMUNICATION 5G**
[72] ZHANG, YI, CN
[72] MIAO, DESHAN, CN
[72] SUN, JINGYUAN, CN
[72] JAYASINGHE, KEETH SALIYA, LK
[71] NOKIA SOLUTIONS AND NETWORKS OY, FI
[85] 2019-02-11
[86] 2016-08-12 (PCT/CN2016/094901)
[87] (WO2018/027914)

[21] **3,033,529**
[13] A1

[51] **Int.Cl. A01K 63/04 (2006.01) B01F 3/04 (2006.01) B01F 5/04 (2006.01) C02F 1/72 (2006.01) C02F 3/26 (2006.01)**
[25] EN
[54] **INTEGRATED OXYGEN PROBE IN SUBMERSIBLE OXYGENATION DEVICE**
[54] **SONDE D'OXYGENE INTEGREE DANS UN DISPOSITIF D'OXYGENATION SUBMERSIBLE**
[72] GLOMSET, KENNETH, NO
[72] DULLSTEIN, STEFAN, DE
[72] LOEVOLD HELLEBUST, THOMAS, NO
[72] AAKERNES, JOHN BERTIL, NO
[71] LINDE AKTIENGESELLSCHAFT, DE
[85] 2019-02-11
[86] 2017-08-24 (PCT/EP2017/025240)
[87] (WO2018/041412)
[30] EP (16001909.7) 2016-09-01

[21] **3,033,530**
[13] A1

[51] **Int.Cl. G01N 21/67 (2006.01) G01N 27/00 (2006.01) H01J 49/26 (2006.01)**
[25] EN
[54] **APPARATUS FOR ANALYZING THE ELEMENTAL COMPOSITION OF A LIQUID SAMPLE AND METHODS OF USING THE SAME**
[54] **APPAREIL D'ANALYSE DE LA COMPOSITION ELEMENTAIRE D'UN ECHANTILLON LIQUIDE ET SES PROCEDES D'UTILISATION**
[72] OBUCHOWSKA, AGNES, CA
[71] OBUCHOWSKA, AGNES, CA
[85] 2019-02-11
[86] 2017-08-31 (PCT/CA2017/051032)
[87] (WO2018/045455)
[30] US (62/384,799) 2016-09-08

Demandes PCT entrant en phase nationale

[21] **3,033,532**
[13] A1

[51] **Int.Cl. C02F 1/461 (2006.01) H01M 4/66 (2006.01) H01M 4/86 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR ELECTROCHEMICAL OXIDATION OF POLYFLUOROALKYL AND PERFLUOROALKYL CONTAMINANTS**

[54] **PROCEDES ET SYSTEMES POUR L'OXYDATION ELECTROCHIMIQUE DE CONTAMINANTS DE TYPE POLYFLUOROALKYLE ET PERFLUOROALKYLE**

[72] HUANG, QINGGUO, US

[72] LIN, HUI, US

[72] NIU, JUNFENG, US

[71] UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC., US

[85] 2019-02-08

[86] 2017-08-18 (PCT/US2017/047641)

[87] (WO2018/035474)

[30] US (62/377,120) 2016-08-19

[21] **3,033,534**
[13] A1

[51] **Int.Cl. A61K 31/351 (2006.01) A61K 31/4045 (2006.01) A61P 17/04 (2006.01)**

[25] EN

[54] **METHOD FOR TREATING PRURITUS AND/OR ITCH**

[54] **PROCEDE DE TRAITEMENT DU PRURIT ET/OU DES DEMANGEAISONS.**

[72] LAUDON, MOSHE, IL

[71] NEURIM PHARMACEUTICALS (1991) LTD., IL

[85] 2019-02-11

[86] 2017-06-30 (PCT/IB2017/053989)

[87] (WO2018/037295)

[30] US (62/378,435) 2016-08-23

[21] **3,033,535**
[13] A1

[51] **Int.Cl. B01D 43/00 (2006.01) F24F 13/28 (2006.01)**

[25] EN

[54] **AIR FILTER COMPRISING FRAME WITH BOWED INNER EDGE**

[54] **FILTRE A AIR COMPRENANT UN CADRE A BORD INTERNE COURBE**

[72] GREGERSON, GLEN O., US

[72] LISE, JONATHAN M., US

[72] MENZENSKI, KIMBERLY W., US

[72] ZIEMANN, DAVID W., US

[71] 3M INNOVATIVE PROPERTIES COMPANY, US

[85] 2019-02-08

[86] 2017-08-01 (PCT/IB2017/054701)

[87] (WO2018/029576)

[30] US (62/372,113) 2016-08-08

[21] **3,033,536**
[13] A1

[51] **Int.Cl. A61F 2/02 (2006.01) A61F 2/10 (2006.01) A61F 2/12 (2006.01) A61K 8/64 (2006.01) A61K 8/73 (2006.01) A61K 8/98 (2006.01) A61K 9/00 (2006.01)**

[25] EN

[54] **CO-CROSSLINKED HYALURONIC ACID-SILK FIBROIN HYDROGELS FOR IMPROVING TISSUE GRAFT VIABILITY AND FOR SOFT TISSUE AUGMENTATION**

[54] **HYDROGELS CO-RETICULES D'ACIDE HYALURONIQUE-FIBROINE POUR AMELIORER LA VIABILITE DES GREFFES TISSULAIRES ET POUR L'AUGMENTATION DES TISSUS MOUS**

[72] YU, XIAOJIE, US

[72] MESSINA, DARIN J., US

[72] PAVLOVIC, ELIZABETA, US

[72] CUI, CUNQI, US

[72] SMITHER, KATE M., US

[71] ALLERGAN, INC., US

[85] 2019-02-08

[86] 2017-08-24 (PCT/US2017/048495)

[87] (WO2018/039496)

[30] US (62/379,045) 2016-08-24

[21] **3,033,537**
[13] A1

[51] **Int.Cl. H04L 1/00 (2006.01)**

[25] EN

[54] **POLAR CODING METHOD, APPARATUS, AND DEVICE**

[54] **PROCEDE, DISPOSITIF ET EQUIPEMENT A UTILISER DANS UN CODAGE DE POLARISATION**

[72] LI, RONG, CN

[72] ZHANG, GONGZHENG, CN

[72] CHEN, YING, CN

[72] LIU, XIAOCHENG, CN

[72] WANG, JUN, CN

[71] HUawei TECHNOLOGIES CO., LTD., CN

[85] 2019-02-11

[86] 2017-07-04 (PCT/CN2017/091675)

[87] (WO2018/028351)

[30] CN (201610664987.6) 2016-08-11

[21] **3,033,538**
[13] A1

[51] **Int.Cl. H04L 5/00 (2006.01)**

[25] EN

[54] **DATA COMMUNICATION METHOD AND DEVICE**

[54] **PROCEDE ET APPAREIL DE TRANSMISSION DE DONNEES**

[72] LI, ZHONGFENG, CN

[72] CAO, YONGZHAO, CN

[71] HUawei TECHNOLOGIES CO., LTD., CN

[85] 2019-02-11

[86] 2017-08-02 (PCT/CN2017/095557)

[87] (WO2018/028485)

[30] CN (201610666714.5) 2016-08-12

PCT Applications Entering the National Phase

[21] **3,033,539**
[13] A1

[51] **Int.Cl. A61K 38/17 (2006.01) C12N 5/078 (2010.01) C12N 5/0781 (2010.01) C12N 5/0783 (2010.01) C12N 5/0786 (2010.01) A61K 48/00 (2006.01) C07K 14/47 (2006.01) C12N 15/09 (2006.01) C12N 15/87 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR REPROGRAMMING ADULT CELLS THROUGH THE STEMNESS OF A PLATELET RICH FRACTION OF BLOOD CONTAINING PLATELET-LIKE CELLS IN HUMANS**

[54] **COMPOSITIONS ET PROCEDES DE REPROGRAMMATION DE CELLULES ADULTES PAR LA SOUCHE D'UNE FRACTION RICHE EN PLAQUETTES DE SANG CONTENANT DES CELLULES DE TYPE PLAQUETTES CHEZ L'ETRE HUMAIN**

[72] ZHAO, YONG, US

[71] HACKENSACK UNIVERSITY MEDICAL CENTER, US

[85] 2019-02-08

[86] 2017-08-28 (PCT/US2017/048945)

[87] (WO2018/044809)

[30] US (62/380,913) 2016-08-29

[21] **3,033,540**
[13] A1

[51] **Int.Cl. B60W 20/00 (2016.01) B60L 15/02 (2006.01) H02J 7/00 (2006.01) H02J 15/00 (2006.01) H02K 7/00 (2006.01) H02M 7/66 (2006.01)**

[25] EN

[54] **HYBRID POWERTRAIN SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE POUR GROUPE MOTOPROPULSEUR HYBRIDE**

[72] MCROBERTS, MATTHEW, CA

[72] KINSELLA, JOSEPH, CA

[72] BISKEY, JOHN, CA

[72] ENGELMANN, CARL, CA

[71] PEGASUS AERONAUTICS CORPORATION, CA

[85] 2019-02-08

[86] 2017-08-10 (PCT/IB2017/054886)

[87] (WO2018/029631)

[30] US (62/372,956) 2016-08-10

[21] **3,033,541**
[13] A1

[51] **Int.Cl. A46B 9/04 (2006.01) A46B 5/00 (2006.01) A46B 7/06 (2006.01) A61C 17/00 (2006.01)**

[25] EN

[54] **ASSISTED DENTAL CLEANING DEVICE**

[54] **DISPOSITIF DE NETTOYAGE DENTAIRE ASSISTE**

[72] AGUDO CRESPO, MARIA BELEN, ES

[71] ZIZ DENTAL CARE S.L., ES

[85] 2019-02-11

[86] 2017-09-22 (PCT/ES2017/000116)

[87] (WO2018/055218)

[30] EP (EP16380033) 2016-09-23

[21] **3,033,542**
[13] A1

[51] **Int.Cl. A61K 9/06 (2006.01) A61K 9/00 (2006.01) A61K 38/17 (2006.01) A61K 38/19 (2006.01) A61K 39/395 (2006.01) A61K 47/36 (2006.01)**

[25] EN

[54] **DRUG DELIVERY COMPOSITIONS AND USES THEREOF**

[54] **COMPOSITIONS D'ADMINISTRATION DE MEDICAMENT ET LEURS UTILISATIONS**

[72] GOLDBERG, MICHAEL SOLOMON, US

[72] PARK, CHUN GWON, US

[71] DANA-FARBER CANCER INSTITUTE, INC., US

[85] 2019-02-08

[86] 2017-08-30 (PCT/US2017/049424)

[87] (WO2018/045058)

[30] US (62/381,456) 2016-08-30

[30] US (62/486,814) 2017-04-18

[30] US (62/501,464) 2017-05-04

[21] **3,033,544**
[13] A1

[51] **Int.Cl. C10G 3/00 (2006.01) C10G 45/58 (2006.01) C10G 65/04 (2006.01) C10L 10/12 (2006.01) C10L 10/14 (2006.01)**

[25] EN

[54] **A METHOD FOR MANUFACTURING A FUEL COMPONENT**

[54] **PROCEDE DE FABRICATION D'UN COMPOSANT DE CARBURANT**

[72] KIISKI, ULLA, FI

[72] KURONEN, MARKKU, FI

[72] NORTIO, JENNI, FI

[71] NESTE OYJ, FI

[85] 2019-02-11

[86] 2017-08-25 (PCT/FI2017/050597)

[87] (WO2018/037163)

[30] FI (20165635) 2016-08-26

[21] **3,033,546**
[13] A1

[51] **Int.Cl. B01J 13/12 (2006.01)**

[25] EN

[54] **METHOD OF MANUFACTURING COATED BEADS**

[54] **PROCEDE DE FABRICATION DE BILLES ENROBEES**

[72] SCHUESSLER, DAVID, US

[72] TORJESEN, ERIK, US

[72] FLORES-PUJOL, ALBERTO, CR

[72] MILLER, MATTHEW B., US

[71] ALLERGAN, INC., US

[85] 2019-02-08

[86] 2017-08-30 (PCT/US2017/049490)

[87] (WO2018/045103)

[30] US (62/381,352) 2016-08-30

[30] US (62/403,465) 2016-10-03

Demandes PCT entrant en phase nationale

[21] **3,033,547**
[13] A1

[51] **Int.Cl. C07J 9/00 (2006.01) A23L 33/10 (2016.01) A61P 25/36 (2006.01)**
[25] EN
[54] **EXTRACT EFFECTIVE IN TREATING DRUG ADDICTION AND PREPARATION METHOD THEREFOR**
[54] **EXTRAIT A EFFET PHARMACEUTIQUE DE DETOXICATION ET SON PROCEDE DE PREPARATION**
[72] RUAN, JUN, CN
[71] GUANGXI JIUFU BIOTECHNOLOGY CO., LTD, CN
[85] 2019-02-11
[86] 2017-09-14 (PCT/CN2017/101679)
[87] (WO2018/059241)
[30] CN (201610860346.8) 2016-09-27

[21] **3,033,548**
[13] A1

[51] **Int.Cl. H04B 7/185 (2006.01) H04W 72/04 (2009.01)**
[25] EN
[54] **COMMUNICATION SYSTEM AND TRANSMITTER**
[54] **SYSTEME DE COMMUNICATION ET EMETTEUR**
[72] MAYER, FRANK, DE
[72] WANSCH, RAINER, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E. V., DE
[85] 2019-02-11
[86] 2017-08-10 (PCT/EP2017/070338)
[87] (WO2018/029302)
[30] EP (16184034.3) 2016-08-12

[21] **3,033,550**
[13] A1

[51] **Int.Cl. G02B 1/04 (2006.01) B29D 11/00 (2006.01) C08G 18/38 (2006.01)**
[25] EN
[54] **INDEX MATCHING LAYERS**
[54] **COUCHES D'APPARIEMENT D'INDEX**
[72] BROWN, JEFF, US
[72] BOULINEAU, MICHAEL S., US
[72] MARSHALL, MICHAEL, US
[72] REYNOLDS, TIM, US
[71] VISION EASE, LP, US
[85] 2019-02-08
[86] 2017-09-01 (PCT/US2017/049951)
[87] (WO2018/045340)
[30] US (62/382,924) 2016-09-02

[21] **3,033,551**
[13] A1

[51] **Int.Cl. H01P 1/04 (2006.01) H01P 11/00 (2006.01) H01P 3/12 (2006.01)**
[25] EN
[54] **WAVEGUIDE ASSEMBLY AND MANUFACTURING METHOD THEREOF**
[54] **ASSEMBLAGE DE GUIDE D'ONDES ET SON PROCEDE DE FABRICATION**
[72] MORRIS, IAN, GB
[72] BROWN, DEREK, GB
[72] GORECKI, IAN, GB
[72] WEBBER, MIKE, GB
[72] HAMER, MAURICE JOSEPH, GB
[71] AIRBUS DEFENCE AND SPACE LIMITED, GB
[85] 2019-02-11
[86] 2017-08-07 (PCT/GB2017/052323)
[87] (WO2018/029455)
[30] GB (1613769.7) 2016-08-10
[30] GB (1613891.9) 2016-08-12

[21] **3,033,552**
[13] A1

[51] **Int.Cl. F04D 17/16 (2006.01) F04C 18/08 (2006.01) F04C 18/16 (2006.01) F04C 25/02 (2006.01)**
[25] EN
[54] **VACUUM PUMP ROTOR**
[54] **ROTOR DE POMPE A VIDE**
[72] DREIFERT, THOMAS, DE
[72] GIEBMANN, WOLFGANG, DE
[72] MULLER, ROLAND, DE
[72] SCHILLER, DIRK, DE
[71] LEYBOLD GMBH, DE
[85] 2019-02-11
[86] 2017-08-11 (PCT/EP2017/070447)
[87] (WO2018/041605)
[30] DE (20 2016 005 207.2) 2016-08-30

[21] **3,033,554**
[13] A1

[51] **Int.Cl. A61N 1/36 (2006.01)**
[25] EN
[54] **PULSE DEFINITION CIRCUITRY FOR CREATING STIMULATION WAVEFORMS IN AN IMPLANTABLE PULSE GENERATOR**
[54] **CIRCUITS DE DEFINITION D'IMPULSION POUR GENERER DES FORMES D'ONDE DE STIMULATION DANS UN GENERATEUR D'IMPULSIONS IMPLANTABLE**
[72] WEISS, PHILIP LEONARD, US
[72] MARNFELDT, GORAN N., US
[71] BOSTON SCIENTIFIC NEUROMODULATION CORPORATION, US
[85] 2019-02-08
[86] 2017-09-06 (PCT/US2017/050308)
[87] (WO2018/048923)
[30] US (62/393,010) 2016-09-10
[30] US (15/696,061) 2017-09-05

[21] **3,033,555**
[13] A1

[51] **Int.Cl. H04W 48/08 (2009.01) H04W 48/10 (2009.01) H04W 48/12 (2009.01) H04W 48/16 (2009.01) H04W 56/00 (2009.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR WIRELESS DEVICE SYNCHRONIZATION IN A BEAM-BASED COMMUNICATION SYSTEM**
[54] **PROCEDE ET APPAREIL POUR UNE SYNCHRONISATION DE DISPOSITIF SANS FIL DANS UN SYSTEME DE COMMUNICATION A BASE DE FAISCEAU**
[72] DA SILVA, ICARO, SE
[72] MOOSAVI, REZA, SE
[72] RAMACHANDRA, PRADEEPA, SE
[72] WIEMANN, HENNING, DE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2019-02-11
[86] 2017-08-11 (PCT/EP2017/070503)
[87] (WO2018/029362)
[30] US (62/373,929) 2016-08-11

PCT Applications Entering the National Phase

[21] **3,033,556**
[13] A1

[51] **Int.Cl. C12N 1/20 (2006.01) A23C 9/123 (2006.01) C07K 14/315 (2006.01)**

[25] EN
[54] **NEW BACTERIA**
[54] **NOUVELLE BACTERIE**
[72] DERKX, PATRICK, DK
[72] JANZEN, THOMAS, DK
[72] SOERENSEN, KIM IB, DK
[71] CHR. HANSEN A/S, DK
[85] 2019-02-11
[86] 2017-08-24 (PCT/EP2017/071352)
[87] (WO2018/041717)
[30] DK (PCT/DK2016/000031) 2016-09-01

[21] **3,033,557**
[13] A1

[51] **Int.Cl. A61K 31/13 (2006.01) A61P 25/00 (2006.01)**

[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS AND USES DIRECTED TO LYSOSOMAL STORAGE DISORDERS**
[54] **COMPOSITIONS PHARMACEUTIQUES ET LEUR UTILISATIONS CONTRE LES MALADIES DE SURCHARGE LYSOSOMALE**
[72] STRUPP, MICHAEL, DE
[71] INTRABIO LIMITED, GB
[85] 2019-02-08
[86] 2017-08-11 (PCT/IB2017/054928)
[87] (WO2018/029657)
[30] GB (1613828.1) 2016-08-11
[30] GB (1702552.9) 2017-02-16
[30] GB (1705762.1) 2017-04-10
[30] GB (1706854.5) 2017-04-28

[21] **3,033,559**
[13] A1

[51] **Int.Cl. A61K 6/083 (2006.01) A61K 6/00 (2006.01)**

[25] EN
[54] **DENTAL COMPOSITION**
[54] **COMPOSITION DENTAIRE**
[72] SZILLAT, FLORIAN, DE
[72] RENN, CAROLINE, DE
[72] ELSNER, OLIVER, DE
[72] KLEE, JOACHIM E., DE
[72] SCHEUFLER, CHRISTIAN, DE
[71] DENTSPLY DETREY GMBH, DE
[85] 2019-02-11
[86] 2017-10-02 (PCT/EP2017/074959)
[87] (WO2018/060516)
[30] EP (16191805.7) 2016-09-30

[21] **3,033,561**
[13] A1

[51] **Int.Cl. A23L 23/10 (2016.01) A23P 10/28 (2016.01)**

[25] EN
[54] **HARD BOUILLON TABLET**
[54] **COMPRIME DE BOUILLON DUR**
[72] PERDANA, JIMMY, DE
[72] KIM, YOUNGBIN, DE
[72] BULLING, KATHARINA, DE
[72] KAUR, PRABHJOT, DE
[72] MARAZZATO, MICHELE, CH
[72] SAGALOWICZ, LAURENT, CH
[72] KJOLBY, CHRISTIAN, CH
[71] NESTEC S.A., CH
[85] 2019-02-11
[86] 2017-10-20 (PCT/EP2017/076842)
[87] (WO2018/077744)
[30] EP (16196497.8) 2016-10-31

[21] **3,033,564**
[13] A1

[51] **Int.Cl. A61K 31/13 (2006.01) A61P 25/00 (2006.01)**

[25] EN
[54] **THERAPEUTIC AGENTS FOR NEURODEGENERATIVE DISEASES**
[54] **AGENTS THERAPEUTIQUES POUR MALADIES NEURODEGENERATIVES**
[72] STRUPP, MICHAEL, DE
[71] INTRABIO LIMITED, GB
[85] 2019-02-08
[86] 2017-08-11 (PCT/IB2017/054929)
[87] (WO2018/029658)
[30] GB (1613829.9) 2016-08-11
[30] GB (1702551.1) 2017-02-16
[30] GB (1705766.2) 2017-04-10
[30] GB (1706867.7) 2017-04-28

[21] **3,033,565**
[13] A1

[51] **Int.Cl. A23K 10/16 (2016.01) A23K 20/147 (2016.01) A23K 50/40 (2016.01)**

[25] EN
[54] **COMPOSITIONS AND METHODS FOR MODULATING GASTROINTESTINAL MICROFLORA IN A CANINE**
[54] **COMPOSITIONS ET PROCEDES POUR MODULER LA MICROFLORE GASTRO-INTESTINALE CHEZ UN CANIN**
[72] LI, QINGHONG, US
[71] NESTEC SA, CH
[85] 2019-02-08
[86] 2017-08-25 (PCT/IB2017/055140)
[87] (WO2018/042304)
[30] US (62/382,923) 2016-09-02

[21] **3,033,567**
[13] A1

[51] **Int.Cl. A41D 13/04 (2006.01) A41D 27/20 (2006.01) A41D 27/22 (2006.01) A41D 31/02 (2019.01)**

[25] EN
[54] **MULTI-PURPOSE APRON**
[54] **TABLIER POLYVALENT**
[72] JACOBS, CLAIRE, US
[71] JACOBS, CLAIRE, US
[85] 2019-02-08
[86] 2017-10-04 (PCT/IB2017/056130)
[87] (WO2018/029664)
[30] US (15/393,997) 2016-12-29

Demandes PCT entrant en phase nationale

[21] **3,033,569**
[13] A1

[51] **Int.Cl. C07D 405/10 (2006.01) A61K 31/343 (2006.01) A61K 31/381 (2006.01) C07D 307/86 (2006.01) C07D 409/10 (2006.01)**

[25] EN

[54] **FURANOCHALCONES AS INHIBITORS OF CYP1A1, CYP1A2 AND CYP1B1 FOR CANCER CHEMOPREVENTION**

[54] **FURANOCHALCONES EN TANT QU'INHIBITEURS DE CYP1A1, CYP1A2 ET CYP1B1 POUR LA CHIMIOPREVENTION DU CANCER**

[72] BHARATE, SANDIP BIBISHAN, IN
[72] SHARMA, RAJNI, IN
[72] JOSHI, PRASHANT, IN
[72] VISH-WAKARMA, RAM, IN
[72] CHAUDHURI, BHABATOSH, GB
[71] COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, IN
[71] DE MONTFORT UNIVERSITY, GB
[85] 2019-02-08
[86] 2017-08-11 (PCT/IN2017/050340)
[87] (WO2018/029710)
[30] IN (201611027579) 2016-08-12

[21] **3,033,571**
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) C07K 16/28 (2006.01) C07K 16/44 (2006.01)**

[25] EN

[54] **ANTIBODIES FOR SIGLEC-15 AND METHODS OF USE THEREOF**

[54] **ANTICORPS POUR SIGLEC-15 ET LEURS METHODES D'UTILISATION**

[72] LIU, LINDA, US
[72] FLIES, DALLAS BENJAMIN, US
[72] LANGERMANN, SOLOMON, US
[71] NEXTCURE, INC., US
[85] 2019-02-08
[86] 2017-09-21 (PCT/US2017/052714)
[87] (WO2018/057735)
[30] US (62/397,794) 2016-09-21
[30] US (62/451,271) 2017-01-27
[30] US (62/500,578) 2017-05-03

[21] **3,033,572**
[13] A1

[51] **Int.Cl. F16J 15/10 (2006.01) H01M 8/0282 (2016.01)**

[25] EN

[54] **GASKET FOR FUEL CELLS**

[54] **MATERIAU D'ETANCHEITE DE JOINT D'ETANCHEITE**

[72] HOYES, JOHN, GB
[72] BOND, STEPHEN, US
[71] FLEXITALLIC INVESTMENTS, INC., US
[85] 2019-02-11
[86] 2017-08-18 (PCT/GB2017/052460)
[87] (WO2018/042160)
[30] GB (1614946.0) 2016-09-02

[21] **3,033,573**
[13] A1

[51] **Int.Cl. G02B 26/08 (2006.01) G01J 5/00 (2006.01) G01J 5/28 (2006.01) G02B 26/10 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR PRODUCING THERMAL IMAGE DATA**

[54] **APPAREIL ET PROCEDE DE PRODUCTION DE DONNEES D'IMAGE THERMIQUE**

[72] WILLMOTT, JONATHAN RAFFE, GB
[71] THE UNIVERSITY OF SHEFFIELD, GB
[85] 2019-02-11
[86] 2017-09-08 (PCT/GB2017/052630)
[87] (WO2018/046939)
[30] GB (1615323.1) 2016-09-09

[21] **3,033,575**
[13] A1

[51] **Int.Cl. G01V 1/20 (2006.01) G01V 1/22 (2006.01) G01V 1/38 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR SEISMIC IMAGING USING FIBER OPTIC SENSING SYSTEMS**

[54] **SYSTEME ET PROCEDE D'IMAGERIE SISMIQUE UTILISANT DES SYSTEMES DE DETECTION A FIBRE OPTIQUE**

[72] COCKER, JONATHAN DAVID, US
[72] STRUDLEY, ALAN VICTOR, US
[71] CHEVRON U.S.A. INC., US
[85] 2019-02-08
[86] 2017-10-05 (PCT/US2017/055272)
[87] (WO2018/067781)
[30] US (62/404,816) 2016-10-06

[21] **3,033,576**
[13] A1

[51] **Int.Cl. A61F 9/007 (2006.01) A61F 9/008 (2006.01)**

[25] EN

[54] **AUTOMATED FINE ADJUSTMENT OF AN OPHTHALMIC SURGERY SUPPORT**

[54] **REGLAGE PRECIS AUTOMATISE D'UN SUPPORT DE CHIRURGIE OPHTALMIQUE**

[72] ABRAHAM, MARIO, DE
[72] WITTNEBEL, MICHAEL, DE
[71] NOVARTIS AG, CH
[85] 2019-02-11
[86] 2016-10-19 (PCT/IB2016/056299)
[87] (WO2018/073624)

[21] **3,033,579**
[13] A1

[51] **Int.Cl. A61F 9/009 (2006.01) A61F 9/008 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR FEMTOSECOND LASER OPHTHALMIC SURGERY DOCKING**

[54] **SYSTEMES ET PROCEDES DE RECEPTION DE CHIRURGIE OPHTALMIQUE LASER FEMTOSECONDE**

[72] SCHMID, STEFAN, DE
[72] WITTNEBEL, MICHAEL, CH
[71] NOVARTIS AG, CH
[85] 2019-02-11
[86] 2016-10-19 (PCT/IB2016/056300)
[87] (WO2018/073625)

PCT Applications Entering the National Phase

[21] **3,033,580**
[13] A1

[51] **Int.Cl. A01G 9/24 (2006.01) A01G 31/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REMOVING FLUID FROM A TRAY IN AN ASSEMBLY LINE GROW POD**
[54] **SYSTEMES ET PROCEDES D'ELIMINATION DE FLUIDE D'UN PLATEAU DANS UN MODULE DE CULTURE A LA CHAINE**
[72] MILLAR, GARY BRET, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2019-02-08
[86] 2018-05-21 (PCT/US2018/033598)
[87] (WO2018/231432)
[30] US (62/519,397) 2017-06-14
[30] US (62/519,395) 2017-06-14
[30] US (62/519,304) 2017-06-14
[30] US (15/983,210) 2018-05-18

[21] **3,033,581**
[13] A1

[51] **Int.Cl. A61M 16/08 (2006.01) A61M 16/06 (2006.01)**
[25] EN
[54] **A COLLAPSIBLE CONDUIT, PATIENT INTERFACE AND HEADGEAR CONNECTOR**
[54] **CONDUIT PLIABLE, INTERFACE PATIENT ET CONNECTEUR DE CASQUE**
[72] HOLYOAKE, BRUCE GORDON, NZ
[72] KLINK, GERMAN, NZ
[72] EVANS, ALICIA JERRAM HUNTER, NZ
[72] WHITE, CRAIG KARL, NZ
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
[85] 2019-02-11
[86] 2017-08-11 (PCT/IB2017/054896)
[87] (WO2018/029638)
[30] US (62/373,561) 2016-08-11
[30] US (62/399,893) 2016-09-26
[30] US (62/431,608) 2016-12-08

[21] **3,033,582**
[13] A1

[51] **Int.Cl. A01C 7/04 (2006.01)**
[25] EN
[54] **PRECISION SEEDER HEADS AND SEEDER COMPONENTS THAT INCLUDE PRECISION SEEDER HEADS**
[54] **TETES DE SEMOIR DE PRECISION ET COMPOSANTS DE SEMOIR COMPRENANT DES TETES DE SEMOIR DE PRECISION**
[72] MILLAR, GARY BRET, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2019-02-08
[86] 2018-05-24 (PCT/US2018/034394)
[87] (WO2018/231491)
[30] US (62/519,352) 2017-06-14
[30] US (15/986,185) 2018-05-22

[21] **3,033,585**
[13] A1

[51] **Int.Cl. A47C 31/12 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **POSTURE IMPROVEMENT DEVICE, SYSTEM AND METHOD**
[54] **DISPOSITIF D'AMELIORATION DE LA POSTURE, SYSTEME ET PROCEDE**
[72] LUSTIG, OR, IL
[72] LUSTIG, SIGAL, IL
[72] SHEINSON, TAMAR, IL
[71] SEATBACK ERGO LTD, IL
[85] 2019-02-11
[86] 2017-08-10 (PCT/IL2017/050887)
[87] (WO2018/029691)
[30] US (62/373,356) 2016-08-11

[21] **3,033,587**
[13] A1

[51] **Int.Cl. F16H 1/28 (2006.01)**
[25] EN
[54] **PLANETARY GEAR REDUCTION DEVICE**
[54] **DISPOSITIF DE REDUCTION DE VITESSE A ENGRENAGE PLANETAIRE**
[72] NISHIHIRA, TAKU, JP
[72] AKAHORI, HIROFUMI, JP
[72] NISHIDA, TAKUNOBU, JP
[72] YOSHITOMI, MAMORU, JP
[71] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP
[85] 2019-02-11
[86] 2017-07-28 (PCT/JP2017/027431)
[87] (WO2018/030177)
[30] JP (2016-158496) 2016-08-12

[21] **3,033,589**
[13] A1

[51] **Int.Cl. G01N 33/50 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **HEALTH-LEVEL MEASURING METHOD, HEALTH-LEVEL DETERMINING APPARATUS, AND HAIR-HEALTH EXAMINATION SYSTEM**
[54] **PROCEDE AINSI QUE DISPOSITIF DE MESURE DU NIVEAU DE SANTE, ET SYSTEME DE DIAGNOSTIC DE LA SANTE DES CHEVEUX**
[72] TSUJI, TAKASHI, JP
[72] TOYOSHIMA, KOH-EI, JP
[71] ORGAN TECHNOLOGIES INC., JP
[71] RIKEN, JP
[85] 2019-02-11
[86] 2017-08-08 (PCT/JP2017/028781)
[87] (WO2018/030409)
[30] JP (2016-158794) 2016-08-12

[21] **3,033,590**
[13] A1

[51] **Int.Cl. A61K 31/4375 (2006.01) A61P 25/18 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **METHODS OF TREATING DISEASES ASSOCIATED WITH REPEAT INSTABILITY**
[54] **METHODES DE TRAITEMENT DE MALADIES ASSOCIEES A UNE INSTABILITE REPETEE**
[72] PEARSON, CHRISTOPHER E., CA
[72] NAKAMORI, MASAYUKI, JP
[72] NAKATANI, KAZUHIKO, JP
[71] THE HOSPITAL FOR SICK CHILDREN, CA
[71] OSAKA UNIVERSITY, JP
[85] 2019-02-11
[86] 2017-08-12 (PCT/IB2017/054932)
[87] (WO2018/029660)
[30] US (62/374,072) 2016-08-12

Demandes PCT entrant en phase nationale

[21] **3,033,591**
[13] A1

[51] **Int.Cl. G06Q 10/00 (2012.01) H04L 29/00 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR FACILITATING COMMUNICATION BASED ON USER INTERESTS AND LOCATION**

[54] **PROCEDE ET SYSTEME POUR FACILITER UNE COMMUNICATION SUR LA BASE DES INTERETS ET D'UN EMPLACEMENT D'UN UTILISATEUR**

[72] MONTREUIL, ALBERT HILAIRE, US
[71] INNOVATIVE CONCEPTS INC., US
[85] 2019-02-11
[86] 2017-08-16 (PCT/IB2017/054988)
[87] (WO2018/033870)
[30] US (62/375,803) 2016-08-16

[21] **3,033,593**
[13] A1

[51] **Int.Cl. C04B 41/62 (2006.01)**

[25] EN

[54] **DRYING SHRINKAGE REDUCTION METHOD OF CEMENT-BASED HARDENED BODY**

[54] **PROCEDE DE REDUCTION DU RETRAIT AU SECHAGE DE CORPS DURCI A BASE DE CIMENT**

[72] FUJIWARA, HIROMI, JP
[72] TAKEMOTO, SHINICHI, JP
[72] SASAKI, YOSHIKATSU, JP
[71] UTSUNOMIYA UNIVERSITY, JP
[71] DPS BRIDGE WORKS CO., LTD., JP
[71] MIZOGUCHIJIGYO CO.,LTD., JP
[85] 2019-02-11
[86] 2017-10-02 (PCT/JP2017/035766)
[87] (WO2018/062564)
[30] JP (2016-193308) 2016-09-30
[30] JP (2017-154987) 2017-08-10

[21] **3,033,594**
[13] A1

[51] **Int.Cl. B62K 9/02 (2006.01) B62B 7/06 (2006.01) B62K 15/00 (2006.01)**

[25] EN

[54] **A FULL FOLDING TRICYCLE**

[54] **TRICYCLE A PLIAGE COMPLET**

[72] BARON, YORAM, IL
[71] SMART TRIKE MNF PTE LTD., SG
[71] BARON, YORAM, IL
[85] 2019-02-11
[86] 2017-09-01 (PCT/IB2017/055266)
[87] (WO2018/051206)
[30] US (62/394,238) 2016-09-14

[21] **3,033,595**
[13] A1

[51] **Int.Cl. C08G 77/20 (2006.01) C08G 77/28 (2006.01) C08G 77/392 (2006.01)**

[25] EN

[54] **CHAIN-EXTENDED POLYDIMETHYLSILOXANE VINYLIC CROSSLINKERS AND USES THEREOF**

[54] **AGENTS DE RETICULATION VINYLIQUES DE POLYDIMETHYLSILOXANE A CHAINE ETENDUE ET UTILISATIONS ASSOCIEES**

[72] JING, FENG, US
[72] CHANG, FRANK, US
[71] NOVARTIS AG, CH
[85] 2019-02-11
[86] 2017-10-09 (PCT/IB2017/056223)
[87] (WO2018/069815)
[30] US (62/406,465) 2016-10-11

[21] **3,033,596**
[13] A1

[51] **Int.Cl. C08G 77/20 (2006.01) C08G 77/46 (2006.01)**

[25] EN

[54] **POLYMERIZABLE POLYDIMETHYLSILOXANE-POLYOXYALKYLENE BLOCK COPOLYMERS**

[54] **COPOLYMERES SEQUENCES DE POLYDIMETHYLSILOXANE-POLYOXYALKYLENE POLYMERISABLES**

[72] JING, FENG, US
[72] CHANG, FRANK, US
[71] NOVARTIS AG, CH
[85] 2019-02-11
[86] 2017-10-09 (PCT/IB2017/056224)
[87] (WO2018/069816)
[30] US (62/406,467) 2016-10-11

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

[21] 3,021,435 [13] A1	[21] 3,026,556 [13] A1	[21] 3,028,772 [13] A1
[51] Int.Cl. C07K 7/02 (2006.01) C07K 1/00 (2006.01) C07K 5/062 (2006.01) C07K 5/103 (2006.01) C07K 16/30 (2006.01) [25] EN [54] ANTIBODY DRUG CONJUGATE LINKER [54] LIAISON CONJUGUEE DE MEDICAMENT ANTICORPS [72] ABE, YUKI, JP [72] ASHIDA, SHINJI, JP [72] KASUYA, YUJI, JP [72] MASUDA, TAKESHI, JP [72] MIYAZAKI, HIDEKI, JP [72] MORITA, KOJI, JP [72] NAITO, HIROYUKI, JP [72] NAKADA, TAKASHI, JP [72] OGITANI, YUSUKE, JP [72] YOSHIDA, MASAO, JP [71] DAIICHI SANKYO COMPANY, LIMITED, JP [22] 2013-10-10 [41] 2014-04-17 [62] 2,885,800 [30] JP (2012-225887) 2012-10-11	[51] Int.Cl. H02G 3/14 (2006.01) H02B 1/28 (2006.01) [25] EN [54] FASTENING DEVICES FOR EXPLOSION-PROOF ENCLOSURES [54] DISPOSITIFS DE FIXATION DESTINES A DES ENCEINTES A L'EPREUVE DES EXPLOSIONS [72] MANAHAN, JOSEPH MICHAEL, US [71] COOPER TECHNOLOGIES COMPANY, US [22] 2013-03-11 [41] 2013-11-07 [62] 2,871,881 [30] US (61/640827) 2012-05-01	[51] Int.Cl. C12M 3/00 (2006.01) A01H 4/00 (2006.01) C12N 5/04 (2006.01) C12N 15/00 (2006.01) C12N 15/87 (2006.01) [25] EN [54] APPARATUS AND METHOD FOR EXTRACTING AND PREPARING MULTIPLE CORN EMBRYOS SUITABLE FOR TISSUE CULTURE [54] APPAREIL ET METHODE SERVANT A L'EXTRACTION ET A LA PREPARATION D'EMBRYONS DE MAIS MULTIPLES CONVENANT A LA CULTURE DE TISSUS [72] ADAMS, WHITNEY, US [72] DAVIS, BRANDON, US [72] KUCHER, LUBOMYR, US [72] LOWE, BRENDA, US [72] MANN, MICHAEL T., US [72] SPENCER, MICHAEL, US [71] MONSANTO TECHNOLOGY LLC, US [22] 2005-06-01 [41] 2006-03-02 [62] 2,981,802 [30] US (10/911,191) 2004-08-04 [30] US (11/054,330) 2005-02-09
[21] 3,022,050 [13] A1	[21] 3,026,682 [13] A1	
[51] Int.Cl. G06F 16/245 (2019.01) G06F 16/242 (2019.01) [25] EN [54] MANAGING DATA QUERIES [54] GESTION DES REQUETES DE DONNEES [72] SCHECHTER, IAN, US [72] ALLIN, GLENN JOHN, US [71] AB INITIO TECHNOLOGY LLC, US [22] 2012-04-30 [41] 2012-11-08 [62] 2,828,914 [30] US (13/098,823) 2011-05-02	[51] Int.Cl. A45F 5/00 (2006.01) A45C 13/20 (2006.01) A45C 13/30 (2006.01) C09J 7/20 (2018.01) [25] EN [54] LOOP SUITABLE FOR USE WITH A VARIETY OF OBJECTS [54] BOUCLE CONVENANT A UNE VARIETE D'OBJETS [72] BROUSSEAU, JEAN-PHILIPPE, CA [71] GENEZE INNOVATION INC., CA [22] 2015-03-20 [41] 2015-09-20 [62] 2,885,434 [30] US (61/968,165) 2014-03-20 [30] US (62/135,694) 2015-03-19	

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,029,956**
[13] A1

[51] **Int.Cl. A01J 5/017 (2006.01) B25J 15/00 (2006.01)**
[25] EN
[54] **ROBOTIC ARM WITH DOUBLE GRABBER**
[54] **BRAS ROBOTIQUE EQUIPE DE DOUBLE MECANISME PREHENSEUR**
[72] TOEPFER, KENT B., US
[72] GODFREY, ROBERT J., US
[72] SCHALLER, BRAD A., US
[72] VAN DER SLUIS, PETER WILLEM, NL
[71] TECHNOLOGIES HOLDINGS CORP., US
[22] 2015-10-29
[41] 2016-05-12
[62] 2,965,985
[30] US (14/534,766) 2014-11-06

[21] **3,030,510**
[13] A1

[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/4015 (2006.01) A61K 31/4439 (2006.01) A61K 31/4709 (2006.01) A61P 35/00 (2006.01) C07D 207/448 (2006.01) C07D 405/14 (2006.01)**
[25] EN
[54] **COMPOUNDS WITH ANTI-CANCER ACTIVITY**
[54] **COMPOSES PRESENTANT UNE ACTIVITE ANTI-CANCEREUSE**
[72] HASEGAWA, YOKO, JP
[72] ISHIGAKI, MACHIYO, JP
[72] KAWABE, TAKUMI, JP
[72] SATO, TAKUJI, JP
[72] YAMAMOTO, SAYAKA, JP
[71] CANBAS CO., LTD., JP
[22] 2008-04-11
[41] 2009-03-12
[62] 2,913,840
[30] US (60/911,258) 2007-04-11

[21] **3,030,712**
[13] A1

[51] **Int.Cl. B65G 43/10 (2006.01) B65D 19/00 (2006.01) B65G 35/00 (2006.01)**
[25] EN
[54] **MULTI-MODE AND MULTI-PITCH CONVEYOR SYSTEM**
[54] **SYSTEME DE TRANSPORT A PLUSIEURS LONGUEURS ET PLUSIEURS MODES**
[72] KLEINIKKINK, ALBERT, CA
[72] TAYLOR, JAVAN, CA
[72] LEE, JEFF, CA
[72] NORTHEY, BRAD, CA
[72] JONES, JAYSON, CA
[71] ATS AUTOMATION TOOLING SYSTEMS INC., CA
[22] 2010-03-03
[41] 2010-09-10
[62] 2,754,560
[30] US (61/202,475) 2009-03-03
[30] WO (PCT/CA2010/000302) 2010-03-03

[21] **3,030,502**
[13] A1

[51] **Int.Cl. H05H 6/00 (2006.01) C25D 13/02 (2006.01) C25D 13/12 (2006.01) G21G 1/10 (2006.01) G21K 5/08 (2006.01)**
[25] EN
[54] **PROCESSES, SYSTEMS, AND APPARATUS FOR CYCLOTRON PRODUCTION OF TECHNETIUM-99M**
[54] **PROCEDES, SYSTEMES, ET APPAREIL DE PRODUCTION CYCLOTRONIQUE DE TECHNETIUM-99M**
[72] SCHAFFER, PAUL, CA
[72] HANEMAAYER, VICTOIRE, CA
[72] ZEISLER, STEFAN K., CA
[71] TRIUMF, CA
[22] 2013-04-25
[41] 2013-10-31
[62] 2,991,516
[30] US (61/639,408) 2012-04-27
[30] US (61/640,610) 2012-04-30

[21] **3,030,662**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 29/00 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **NEW INDICATIONS FOR ANTI-IL-1-BETA THERAPY**
[54] **NOUVELLES INDICATIONS POUR UNE THERAPIE ANTI-IL-1-BETA**
[72] GRAM, HERMANN, DE
[72] JUNG, THOMAS, AT
[71] NOVARTIS AG, CH
[22] 2008-05-28
[41] 2008-12-04
[62] 2,993,565
[30] EP (07109084.9) 2007-05-29

[21] **3,031,477**
[13] A1

[51] **Int.Cl. C01B 3/02 (2006.01) B67D 7/00 (2010.01) F24V 30/00 (2018.01) B01J 7/00 (2006.01) B60S 5/02 (2006.01) C01B 3/06 (2006.01)**
[25] EN
[54] **METHOD, DEVICE AND FUEL FOR HYDROGEN GENERATION**
[54] **PROCEDE, DISPOSITIF ET CARBURANT UTILISABLES A DES FINS DE PRODUCTION D'HYDROGENE**
[72] LUGTIGHEID, GERARDUS WILHELMUS, NL
[71] H2FUEL-SYSTEMS B.V., NL
[22] 2010-01-27
[41] 2010-08-05
[62] 2,750,720
[30] NL (1036471) 2009-01-27
[30] NL (1037461) 2009-11-11
[30] NL (1037618) 2010-01-11

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] **3,031,480**
[13] A1
[51] **Int.Cl. A61B 34/20 (2016.01) A61B 5/06 (2006.01)**
[25] EN
[54] **REDUCED FIELD DISTORTION IN MEDICAL TOOLS**
[54] **APPAREILLAGE MEDICAL REDUISANT LA DISTORSION DU CHAMP**
[72] YARON, URI, US
[72] BAR-TAL, MEIR, IL
[72] NITZAN, YAACOV, IL
[72] SHALGI, AVI, IL
[71] BIOSENSE WEBSTER, INC., US
[22] 2007-04-26
[41] 2007-10-28
[62] 2,924,111
[30] US (11/414,449) 2006-04-28

[21] **3,031,481**
[13] A1
[51] **Int.Cl. A61K 31/519 (2006.01) A61K 31/198 (2006.01) A61P 3/02 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING THYROID-RELATED MEDICAL CONDITIONS WITH REDUCED FOLATES**
[54] **METHODES ET COMPOSITIONS PERMETTANT DE TRAITER LES AFFECTIONS MEDICALES LIEES A LA THYROIDE AU MOYEN DE FOLATES REDUITS**
[72] SCOTT, LINZY O., III, US
[71] SCOTT, LINZY O., III, US
[22] 2010-07-09
[41] 2011-02-13
[62] 2,804,265
[30] US (61/270,615) 2009-07-10
[30] US (61/270,741) 2009-07-13

[21] **3,031,482**
[13] A1
[51] **Int.Cl. A61B 17/12 (2006.01) A61B 17/00 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **DEVICES FOR VASCULAR OCCLUSION**
[54] **DISPOSITIFS POUR OCCLUSION VASCULAIRE**
[72] SHIMIZU, JARED, US
[72] BOWMAN, HEATH, US
[72] LAM, KIET, US
[72] RETAREKAR, ROHINI, US
[72] MORENO, MARIA, US
[72] CORTEZ, ROGELIO, US
[71] MICROVENTION, INC., US
[22] 2017-02-10
[41] 2017-08-17
[62] 3,014,316
[30] US (62/293,710) 2016-02-10

[21] **3,031,490**
[13] A1
[51] **Int.Cl. A61K 31/047 (2006.01) A61P 25/02 (2006.01)**
[25] EN
[54] **NEW THERAPEUTIC APPROACHES FOR TREATING CMT AND RELATED DISORDERS**
[54] **NOUVELLES APPROCHES THERAPEUTIQUES DANS LE TRAITEMENT DE LA CMT ET DES TROUBLES ASSOCIES**
[72] CHUMAKOV, ILYA, FR
[72] COHEN, DANIEL, FR
[72] GUERASSIMENKO, OXANA, FR
[72] NABIROCHKIN, SERGUEI, FR
[71] PHARNEXT, FR
[22] 2008-11-28
[41] 2009-06-04
[62] 2,705,408
[30] EP (07301614.9) 2007-11-30
[30] US (60/991.800) 2007-12-03

[21] **3,031,514**
[13] A1
[51] **Int.Cl. E21B 7/18 (2006.01) E21B 7/06 (2006.01) E21B 43/11 (2006.01) E21B 43/26 (2006.01) E21B 47/04 (2012.01) E21B 47/12 (2012.01)**
[25] EN
[54] **METHOD OF FORMING LATERAL BOREHOLES**
[54] **METHODE DE FORMAGE DE TROUS DE FORAGE LATERAUX**
[72] RANDALL, BRUCE L., US
[71] COILED TUBING SPECIALTIES, LLC, US
[22] 2016-02-02
[41] 2016-08-24
[62] 2,919,666
[30] US (62/120,212) 2015-02-24
[30] US (62/198,575) 2015-07-29
[30] US (15/009,623) 2016-01-28

[21] **3,031,654**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) H04M 3/36 (2006.01) H04M 3/51 (2006.01) H04M 3/523 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR L3 PAIRING AND WORKFORCE MANAGEMENT IN A CONTACT CENTER SYSTEM**
[54] **TECHNIQUE DE PAIRAGE L3 ET GESTION DE MAIN D'OEUVRE DANS UN SYSTEME DE CENTRE DE CONTACT**
[72] CHISHTI, ZIA, US
[71] AFINITI EUROPE TECHNOLOGIES LIMITED, GB
[22] 2017-12-18
[41] 2018-06-30
[62] 3,007,712
[30] US (15/395,469) 2016-12-30
[30] US (15/395,505) 2016-12-30
[30] US (15/395,517) 2016-12-30
[30] US (15/395,529) 2016-12-30

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,031,655**
[13] A1

[51] **Int.Cl. E01C 5/06 (2006.01) E01C 5/00 (2006.01) E01C 5/20 (2006.01) E04B 1/41 (2006.01) E04C 1/00 (2006.01) E04F 13/21 (2006.01) F16B 5/07 (2006.01)**

[25] EN

[54] **CONNECTION SURFACE FOR A STRUCTURAL UNIT AND METHOD OF MAKING SAME**

[54] **SURFACE DE CONNEXION D'UNE UNITE STRUCTURELLE ET METHODE DE FABRICATION ASSOCIEE**

[72] RICCOBENE, THOMAS S., US

[72] MACDONALD, ROBERT A., US

[71] KEYSTONE RETAINING WALL SYSTEMS LLC, US

[22] 2016-07-22

[41] 2017-01-24

[62] 2,936,898

[30] US (62/196,748) 2015-07-24

[21] **3,031,820**
[13] A1

[51] **Int.Cl. E21B 7/18 (2006.01) B05B 1/02 (2006.01) E21B 43/25 (2006.01)**

[25] EN

[54] **STEERABLE HYDRAULIC JETTING NOZZLE, AND GUIDANCE SYSTEM FOR DOWNHOLE BORING DEVICE**

[54] **BUSE DE LANCAGE DE JET HYDRAULIQUE ORIENTABLE ET MECANISME D'ORIENTATION DESTINE AU FORAGE DE FOND DE TROU**

[72] RANDALL, BRUCE L., US

[71] COILED TUBING SPECIALITIES, LLC, US

[22] 2016-02-02

[41] 2016-08-24

[62] 2,919,674

[30] US (62/120,212) 2015-02-24

[30] US (62/198,575) 2015-07-29

[30] US (15/010,650) 2016-01-29

[21] **3,031,828**
[13] A1

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

[25] EN

[54] **INDEXER, INDEXER RETROFIT KIT AND METHOD OF USE THEREOF**

[54] **INDEXEUR, TROUSSE DE REMISE EN ETAT D'INDEXEUR ET METHODE D'UTILISATION ASSOCIEE**

[72] GROMES, TERRY DEAN, SR., US

[72] GROMES, TERRY DEAN, JR., US

[72] GROMES, KRISTEN E., US

[72] SHOCKEY, JON M., US

[72] EAST, GORDON W., US

[72] JACKSON, WILLIAM C., US

[71] TERYDON, INC., US

[22] 2017-08-29

[41] 2018-02-28

[62] 2,977,510

[30] US (62/381,390) 2016-08-30

[21] **3,031,763**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01)**

[25] EN

[54] **VAPORIZATION DEVICE**

[54] **APPAREIL DE VAPORISATION**

[72] FORNARELLI, THOMAS, US

[71] DB INNOVATION INC, US

[22] 2017-06-13

[41] 2017-12-13

[62] 2,984,730

[30] US (15/181,323) 2016-06-13

[21] **3,031,827**
[13] A1

[51] **Int.Cl. E21B 7/06 (2006.01) E21B 44/00 (2006.01) E21B 47/02 (2006.01)**

[25] EN

[54] **SURFACE STEERABLE DRILLING SYSTEM FOR USE WITH ROTARY STEERABLE SYSTEM**

[54] **SYSTEME DE FORAGE ORIENTABLE DE SURFACE DESTINE A ETRE UTILISE AVEC UN SYSTEME ROTARY ORIENTABLE**

[72] BENSON, TODD W., US

[72] CHEN, TEDDY, US

[72] WILMES, JOEL, US

[71] MOTIVE DRILLING TECHNOLOGIES, INC., US

[22] 2015-10-02

[41] 2016-04-07

[62] 2,967,324

[30] US (62/058,950) 2014-10-02

[21] **3,031,835**
[13] A1

[51] **Int.Cl. C07D 239/47 (2006.01) A61K 31/505 (2006.01) A61K 31/506 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01)**

[25] EN

[54] **HETEROARYL COMPOUNDS AND USES THEREOF**

[54] **COMPOSES HETERO-ARYLES ET LEURS UTILISATIONS**

[72] KLUGE, ARTHUR F., US

[72] MAZDIYASNI, HORMOZ, US

[72] NIU, DEQIANG, US

[72] PETTER, RUSSELL C., US

[72] QIAO, LIXIN, US

[72] SINGH, JUSWINDER, US

[72] TESTER, RICHLAND WAYNE, US

[72] WESTLIN, WILLIAM FREDERICK, US

[71] CELGENE CAR LLC, BM

[22] 2009-06-26

[41] 2009-12-30

[62] 2,727,455

[30] US (61/076,450) 2008-06-27

[30] US (61/148,388) 2009-01-29

[30] US (61/170,874) 2009-04-20

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] **3,031,836**
[13] A1

[51] **Int.Cl. A61K 9/10 (2006.01) A61K 31/08 (2006.01) A61K 31/121 (2006.01) A61K 47/20 (2006.01) A61P 17/02 (2006.01) A61P 23/00 (2006.01)**

[25] EN

[54] **NOVEL FORMULATIONS OF VOLATILE ANESTHETICS AND METHODS OF USE FOR REDUCING INFLAMMATION**

[54] **NOUVELLES FORMULATIONS D'ANESTHESIQUES VOLATILES ET PROCEDES D'UTILISATION POUR REDUIRE L'INFLAMMATION**

[72] SPAKEVICIUS, DANGUOLE, US

[72] OZSOY, HATICE, US

[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US

[22] 2010-05-05

[41] 2010-11-11

[62] 2,760,775

[30] US (62/175751) 2009-05-05

[21] **3,031,880**
[13] A1

[51] **Int.Cl. H01L 21/02 (2006.01) H01L 29/02 (2006.01)**

[25] EN

[54] **METHODS AND APPARATI FOR MAKING THIN SEMICONDUCTOR BODIES FROM MOLTEN MATERIAL**

[54] **PROCEDES ET APPAREILS POUR FABRIQUER DES CORPS SEMI-CONDUCTEURS MINCES A PARTIR D'UN MATERIAU FONDU**

[72] SACHS, EMANUEL M., US

[72] WALLACE, RICHARD L., US

[72] HANTSOO, EERIK T., US

[72] LORENZ, ADAM M., US

[72] HUDELSON, G. D. STEPHEN, US

[72] JONCZYK, RALF, US

[71] 1366 TECHNOLOGIES INC., US

[22] 2010-03-09

[41] 2010-09-16

[62] 2,962,682

[30] US (61/209,582) 2009-03-09

[30] US (61/224,730) 2009-07-10

[30] US (61/237,965) 2009-08-28

[21] **3,031,910**
[13] A1

[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01) B65G 43/08 (2006.01) F16K 5/04 (2006.01) F16K 11/085 (2006.01)**

[25] EN

[54] **ROTARY FLOW DIVIDER ASSEMBLY FOR AGRICULTURAL PRODUCT DISTRIBUTION SYSTEM**

[54] **ENSEMBLE DIVISEUR DE FLUX ROTATIF POUR SYSTEME DE DISTRIBUTION DE PRODUIT AGRICOLE**

[72] HUI, KA PO CATHERINE, CA

[72] ZACHARIAS, DARWIN L., CA

[72] THOMPSON, DENNIS G., CA

[72] CHAHLEY, DENNIS W., CA

[71] CNH INDUSTRIAL CANADA, LTD., CA

[22] 2013-01-08

[41] 2013-07-18

[62] 2,862,748

[30] US (61/584,694) 2012-01-09

[21] **3,031,851**
[13] A1

[51] **Int.Cl. C07K 16/40 (2006.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) A61K 49/00 (2006.01) A61P 35/00 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01) G01N 33/574 (2006.01)**

[25] EN

[54] **ANTI-GCC ANTIBODY MOLECULES AND RELATED COMPOSITIONS AND METHODS**

[54] **MOLECULES D'ANTICORPS ANTI-GCC, COMPOSITIONS ET PROCEDES APPARENTES**

[72] NAM, SAMUEL S., US

[72] GREENFIELD, EDWARD A., US

[72] O'KEEFE, THERESA, US

[72] QIN, SHIXIN, US

[72] BABCOOK, JOHN, CA

[71] AMGEN BRITISH COLUMBIA, CA

[71] MILLENNIUM PHARMACEUTICALS, INC., US

[22] 2010-10-22

[41] 2011-04-28

[62] 2,774,032

[30] US (61254474) 2009-10-23

[21] **3,031,884**
[13] A1

[51] **Int.Cl. G06F 16/24 (2019.01) G06Q 30/02 (2012.01) G06Q 50/30 (2012.01) G06F 16/28 (2019.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR GENERATING AN INFORMATIONAL PACKET FOR THE PURPOSE OF MARKETING A VEHICLE TO PROSPECTIVE CUSTOMERS**

[54] **SYSTEME ET PROCEDE POUR GENERER UN PAQUET INFORMATIONNEL DANS LE BUT DE COMMERCIALISER UN VEHICULE AUPRES DE CLIENTS EVENTUELS**

[72] ASTORG, PAUL, US

[72] ASTORG, SEVE, US

[72] WILKINSON, KENNETH, US

[71] AUTOIPACKET, LLC, US

[22] 2014-03-14

[41] 2014-09-14

[62] 2,846,176

[30] US (61/783,703) 2013-03-14

[21] **3,031,929**
[13] A1

[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01) B65G 43/08 (2006.01) F16K 5/04 (2006.01) F16K 11/085 (2006.01)**

[25] EN

[54] **ROTARY FLOW DIVIDER ASSEMBLY FOR AGRICULTURAL PRODUCT DISTRIBUTION SYSTEM**

[54] **ENSEMBLE DIVISEUR DE FLUX ROTATIF POUR SYSTEME DE DISTRIBUTION DE PRODUIT AGRICOLE**

[72] HUI, KA PO CATHERINE, CA

[72] ZACHARIAS, DARWIN L., CA

[72] THOMPSON, DENNIS G., CA

[72] CHAHLEY, DENNIS W., CA

[71] CNH INDUSTRIAL CANADA, LTD., CA

[22] 2013-01-08

[41] 2013-07-18

[62] 2,862,748

[30] US (61/584,694) 2012-01-09

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,031,933**
[13] A1

[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01) B65G 43/08 (2006.01) F16K 5/04 (2006.01) F16K 11/085 (2006.01)**

[25] EN

[54] **ROTARY FLOW DIVIDER ASSEMBLY FOR AGRICULTURAL PRODUCT DISTRIBUTION SYSTEM**

[54] **ENSEMBLE DIVISEUR DE FLUX ROTATIF POUR SYSTEME DE DISTRIBUTION DE PRODUIT AGRICOLE**

[72] HUI, KA PO CATHERINE, CA
[72] ZACHARIAS, DARWIN L., CA
[72] THOMPSON, DENNIS G., CA
[72] CHAHLEY, DENNIS W., CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2013-01-08
[41] 2013-07-18
[62] 2,862,748
[30] US (61/584,694) 2012-01-09

[21] **3,031,949**
[13] A1

[51] **Int.Cl. G03G 15/06 (2006.01)**

[25] EN

[54] **CARTRIDGE, AND ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS WHICH USES CARTRIDGE**

[54] **CARTOUCHE, ET APPAREIL ELECTROPHOTOGRAPHIQUE DE FORMATION D'IMAGES UTILISANT LADITE CARTOUCHE**

[72] MIYABE, SHIGEO, JP
[72] UENO, TAKAHITO, JP
[72] MORIOKA, MASANARI, JP
[71] CANON KABUSHIKI KAISHA, JP
[22] 2009-06-09
[41] 2009-12-17
[62] 2,946,487
[30] JP (2008-151824) 2008-06-10

[21] **3,031,957**
[13] A1

[51] **Int.Cl. G03G 15/06 (2006.01)**

[25] EN

[54] **CARTRIDGE, AND ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS WHICH USES CARTRIDGE**

[54] **CARTOUCHE, ET APPAREIL ELECTROPHOTOGRAPHIQUE DE FORMATION D'IMAGES UTILISANT LADITE CARTOUCHE**

[72] MIYABE, SHIGEO, JP
[72] UENO, TAKAHITO, JP
[72] MORIOKA, MASANARI, JP
[71] CANON KABUSHIKI KAISHA, JP
[22] 2009-06-09
[41] 2009-12-17
[62] 2,946,487
[30] JP (2008-151824) 2008-06-10

[21] **3,031,965**
[13] A1

[51] **Int.Cl. G03G 15/06 (2006.01)**

[25] EN

[54] **CARTRIDGE, AND ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS WHICH USES CARTRIDGE**

[54] **CARTOUCHE, ET APPAREIL ELECTROPHOTOGRAPHIQUE DE FORMATION D'IMAGES UTILISANT LADITE CARTOUCHE**

[72] MIYABE, SHIGEO, JP
[72] UENO, TAKAHITO, JP
[72] MORIOKA, MASANARI, JP
[71] CANON KABUSHIKI KAISHA, JP
[22] 2009-06-09
[41] 2009-12-17
[62] 2,946,487
[30] JP (2008-151824) 2008-06-10

[21] **3,031,968**
[13] A1

[51] **Int.Cl. G03G 15/06 (2006.01)**

[25] EN

[54] **CARTRIDGE AND ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS WHICH USES CARTRIDGE**

[54] **CARTOUCHE, ET APPAREIL ELECTROPHOTOGRAPHIQUE DE FORMATION D'IMAGES UTILISANT LADITE CARTOUCHE**

[72] MIYABE, SHIGEO, JP
[72] UENO, TAKAHITO, JP
[72] MORIOKA, MASANARI, JP
[71] CANON KABUSHIKI KAISHA, JP
[22] 2009-06-09
[41] 2009-12-17
[62] 2,946,487
[30] JP (2018-151824) 2008-06-10

[21] **3,031,974**
[13] A1

[51] **Int.Cl. G03G 15/06 (2006.01)**

[25] EN

[54] **CARTRIDGE, AND ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS WHICH USES CARTRIDGE**

[54] **CARTOUCHE, ET APPAREIL ELECTROPHOTOGRAPHIQUE DE FORMATION D'IMAGES UTILISANT LADITE CARTOUCHE**

[72] MIYABE, SHIGEO, JP
[72] UENO, TAKAHITO, JP
[72] MORIOKA, MASANARI, JP
[71] CANON KABUSHIKI KAISHA, JP
[22] 2009-06-09
[41] 2009-12-17
[62] 2,946,487
[30] JP (2008-151824) 2008-06-10

[21] **3,031,975**
[13] A1

[51] **Int.Cl. F16C 17/04 (2006.01) E21B 12/00 (2006.01) F16C 35/02 (2006.01)**

[25] EN

[54] **BEARING ASSEMBLY**

[54] **ENSEMBLE PALIER**

[72] KIRKHOPE, KENNEDY J., CA
[71] HALLIBURTON ENERGY SERVICES, INC., US
[22] 2010-01-28
[41] 2011-08-04
[62] 3,022,564

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] **3,032,106**
[13] A1

[51] **Int.Cl. A61L 2/08 (2006.01) A61L 9/20 (2006.01)**
[25] EN
[54] **GERMICIDAL APPARATUSSES WITH CONFIGURATIONS TO SELECTIVELY CONDUCT DIFFERENT DISINFECTION MODES INTERIOR AND EXTERIOR TO THE APPARATUS**
[54] **APPAREILS GERMICIDES CONCUS POUR METTRE EN UVRE SELECTIVEMENT DIFFERENTS MODES DE DESINFECTION A L'INTERIEUR ET A L'EXTERIEUR DE L'APPAREIL**
[72] DALE, CHARLES, US
[72] FROUTAN, PAUL P., US
[72] SIMMONS, SARAH E., US
[72] STIBICH, MARK A., US
[71] XENEX DISINFECTION SERVICES, LLC., US
[22] 2016-06-29
[41] 2017-01-05
[62] 2,991,149
[30] US (14/790,827) 2015-07-02
[30] US (14/790,851) 2015-07-02

[21] **3,032,110**
[13] A1

[51] **Int.Cl. A61B 3/103 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETERMINING THE REFRACTIVE PROPERTIES OF AN EYE OF A CHILD**
[54] **METHODE ET SYSTEME DESTINE A LA DETERMINATION DES PROPRIETES REFRACTANTES D'UN .IL D'UN ENFANT**
[72] WELSCHER, MONIQUE, DE
[72] KRATZER, TIMO, DE
[71] CARL ZEISS VISION INTERNATIONAL GMBH, DE
[22] 2013-04-29
[41] 2014-11-06
[62] 2,910,379

[21] **3,032,125**
[13] A1

[51] **Int.Cl. A61B 17/03 (2006.01) A61B 17/064 (2006.01) A61F 2/04 (2013.01)**
[25] EN
[54] **MICROANCHORS FOR ANCHORING DEVICES TO BODY TISSUES**
[54] **MICRO-ANCRAGES SERVANT A ANCRER DES DISPOSITIFS DANS DES TISSUS ORGANIQUES**
[72] WARNER, CLIFFORD P., US
[72] ESKAROS, SHERIF A., US
[72] MAZICH, KENNETH, US
[71] W.L. GORE & ASSOCIATES, INC., US
[22] 2013-08-08
[41] 2014-02-13
[62] 2,880,878
[30] US (61/681,673) 2012-08-10
[30] US (13/961,367) 2013-08-07

[21] **3,032,127**
[13] A1

[51] **Int.Cl. A01N 43/78 (2006.01) A01M 29/12 (2011.01) A01N 43/84 (2006.01) A01P 17/00 (2006.01)**
[25] EN
[54] **THIAZOLE OR THIOMORPHOLINE DERIVATIVE COMPOUNDS AS ANIMAL REPELLENTS**
[54] **REPULSIFS D'ANIMAUX**
[72] KOBAYAKAWA, KO, JP
[72] KOBAYAKAWA, REIKO, JP
[71] SCENT SCIENCE INTERNATIONAL INC., JP
[22] 2011-02-08
[41] 2011-08-11
[62] 2,789,070
[30] JP (2010-025681) 2010-02-08
[30] JP (2010-172671) 2010-07-30

[21] **3,032,172**
[13] A1

[51] **Int.Cl. C05D 3/00 (2006.01) C05D 9/00 (2006.01) C05G 5/00 (2006.01) C01F 11/46 (2006.01)**
[25] EN
[54] **SYNTHETIC GYPSUM FERTILIZER PRODUCT AND METHOD OF MAKING**
[54] **PRODUIT D'ENGRAIS DE GYPSE SYNTHETIQUE ET PROCEDE DE FABRICATION**
[72] GINN, TERRELL DALLAS, US
[72] GRAY, DANNY LYNN, US
[71] SUL4R-PLUS, LLC, US
[22] 2013-08-08
[41] 2014-02-13
[62] 2,881,403
[30] US (61/681,088) 2012-08-08

[21] **3,032,179**
[13] A1

[51] **Int.Cl. A61B 34/10 (2016.01) A61B 5/103 (2006.01) A61B 8/08 (2006.01) A61B 8/14 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR THREE DIMENSIONAL RECONSTRUCTION OF A JOINT USING ULTRASOUND**
[54] **METHODE ET APPAREIL DE RECONSTRUCTION TRIDIMENSIONNELLE D'UN JOINT AU MOYEN D'ULTRASONS**
[72] MAHFOUZ, MOHAMED RASHWAN, US
[71] JOINT VUE, LLC, US
[22] 2011-08-02
[41] 2012-02-09
[62] 2,978,543
[30] US (61/369,848) 2010-08-02
[30] US (61/470,952) 2011-04-01

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,032,181**
[13] A1

[51] **Int.Cl. G06F 7/00 (2006.01) G06Q 40/04 (2012.01) G06F 9/44 (2018.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR HIGH SPEED PROCESSING OF FINANCIAL INFORMATION FOR FINANCIAL RECORD MANAGEMENT**
[54] **METHODE ET APPAREIL DE TRAITEMENT HAUTE VITESSE DE RENSEIGNEMENTS FINANCIERS A DES FINS DE GESTION DE DOCUMENTATION FINANCIERE**
[72] PARSONS, SCOTT, US
[72] TAYLOR, DAVID E., US
[72] SCHUEHLER, DAVID VINCENT, US
[72] FRANKLIN, MARK A., US
[72] CHAMBERLAIN, ROGER D., US
[71] IP RESERVOIR, LLC, US
[22] 2008-06-13
[41] 2008-12-24
[62] 2,980,625
[30] US (11/765,306) 2007-06-19

[21] **3,032,277**
[13] A1

[51] **Int.Cl. C08L 51/02 (2006.01) C08F 2/44 (2006.01) C09D 151/02 (2006.01) C08F 251/02 (2006.01)**
[25] EN
[54] **HYDROXYETHYL CELLULOSE GRAFTED ACRYLIC LATEX**
[54] **LATEX ACRYLIQUE GREFFE PAR HYDROXYETHYL CELLULOSE**
[72] DANDREAU, GARY, US
[72] SHEERIN, ROBERT J., US
[72] YANG, SHI-JUN, US
[71] BENJAMIN MOORE & CO., US
[22] 2012-09-18
[41] 2013-03-28
[62] 2,848,062
[30] US (61/536,264) 2011-09-19

[21] **3,032,425**
[13] A1

[51] **Int.Cl. A46B 9/00 (2006.01)**
[25] EN
[54] **TOOTHBRUSH HAVING BRISTLE TUFTS FORMED BY TAPERED BRISTLE FILAMENTS**
[54] **BROSSE A DENTS COMPORTANT DES TOUFFES DE SOIE FORMEES PAR DES FILAMENTS DE SOIE AMINCIS**
[72] JI, YANMEI, CN
[71] COLGATE-PALMOLIVE COMPANY, US
[22] 2011-09-14
[41] 2013-03-21
[62] 2,921,140

[21] **3,032,431**
[13] A1

[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/062 (2006.01)**
[25] EN
[54] **INSTRUMENTS FOR DELIVERING TRANSFASCIAL SUTURES AND METHODS OF TRANSFASCIAL SUTURING**
[54] **INSTRUMENTS POUR LE PLACEMENT DE SUTURES TRANSFASCIALES ET PROCEDES DE SUTURE TRANSFASCIALE**
[72] DAROIS, ROGER E., US
[72] RANUCCI, KEVIN J., US
[72] ZINITI, DONALD E., US
[71] C.R. BARD, INC., US
[22] 2012-11-06
[41] 2013-05-16
[62] 2,854,740
[30] US (13/290,236) 2011-11-07

[21] **3,032,447**
[13] A1

[51] **Int.Cl. A61B 17/04 (2006.01)**
[25] EN
[54] **SUTURE FOR SOFT TISSUE REPAIR**
[54] **SUTURE POUR REPARATION DE TISSU MOU**
[72] KAPLAN, LEE D., US
[71] KAPLAN, LEE D., US
[22] 2013-10-02
[41] 2014-04-10
[62] 2,886,986
[30] US (61/709,293) 2012-10-03
[30] US (61/792,026) 2013-03-15

[21] **3,032,475**
[13] A1

[51] **Int.Cl. F41A 23/24 (2006.01) F41A 23/34 (2006.01) F41A 27/10 (2006.01) F41A 27/18 (2006.01) F41A 27/20 (2006.01) F41A 27/24 (2006.01) F41A 9/29 (2006.01)**
[25] EN
[54] **CONFIGURABLE WEAPON STATION HAVING UNDER ARMOR RELOAD**
[54] **STATION D'ARME CONFIGURABLE PRESENTANT UN RECHARGEMENT SOUS BLINDAGE**
[72] LUNG, KEVIN, US
[72] MARTINEZ, MATTHEW, US
[72] MUELLER, FRANK, US
[72] RHODES, DAVID, US
[71] MOOG INC., US
[22] 2015-07-20
[41] 2016-04-21
[62] 2,955,784
[30] US (14/337,422) 2014-07-22
[30] US (14/802,748) 2015-07-17

[21] **3,032,479**
[13] A1

[51] **Int.Cl. H04H 20/18 (2009.01) H04L 7/00 (2006.01) H04L 12/12 (2006.01) H04L 12/28 (2006.01) H04S 3/00 (2006.01) H04S 7/00 (2006.01)**
[25] EN
[54] **MULTI-CHANNEL PAIRING IN A MEDIA SYSTEM**
[54] **APPARIEMENT DE CANAUX MULTIPLES DANS UN SYSTEME MULTIMEDIA**
[72] KALLAI, CHRISTOPHER, US
[72] ERICSON, MICHAEL DARELL ANDREW, US
[72] LAMBOURNE, ROBERT A., US
[72] REIMANN, ROBERT, US
[72] TRIPLETT, MARK, US
[71] SONOS, INC., US
[22] 2012-04-26
[41] 2012-10-11
[62] 2,947,275

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] **3,032,515**
[13] A1

[51] **Int.Cl. G06F 17/00 (2019.01) G06Q 10/06 (2012.01) G06F 9/44 (2018.01)**

[25] EN

[54] **FLOW ENGINE FOR BUILDING AUTOMATED FLOWS WITHIN A CLOUD BASED DEVELOPMENTAL PLATFORM**

[54] **MOTEUR DE FLUX DE DONNEES SERVANT AUX FLUX DE DONNEES A L'INTERIEUR D'UNE PLATEFORME DE DEVELOPPEMENT NUAGIQUE**

[72] TUCKER, CHRISTOPHER, US

[72] NELSON, HARRY THOMAS, US

[72] SARBORA, RUSSELL SAMUEL, US

[71] SERVICENOW, INC., US

[22] 2017-09-29

[41] 2018-11-04

[62] 2,980,914

[30] US (15/587,075) 2017-05-04

[21] **3,032,548**
[13] A1

[51] **Int.Cl. C12N 15/13 (2006.01) A61K 39/395 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **ANTI-CD40 ANTIBODIES AND USES THEREOF**

[54] **ANTICORPS ANTI-CD40 ET UTILISATIONS DE CEUX-CI**

[72] BANCHEREAU, JACQUES F., US

[72] ZURAWSKI, GERARD, US

[72] ZURAWSKI, SANDRA, US

[72] OH, SANGKON, US

[71] BAYLOR RESEARCH INSTITUTE, US

[22] 2010-03-05

[41] 2010-09-16

[62] 2,754,862

[30] US (61/159,055) 2009-03-10

[30] US (61/159,059) 2009-03-10

[30] US (61/159,062) 2009-03-10

[30] US (12/718,365) 2010-03-05

[21] **3,032,707**
[13] A1

[51] **Int.Cl. H04L 12/721 (2013.01) G06F 16/242 (2019.01) H04L 12/12 (2006.01) H04L 12/14 (2006.01) H04L 12/66 (2006.01) H04M 3/42 (2006.01) H04M 15/00 (2006.01) H04Q 3/64 (2006.01)**

[25] EN

[54] **PRODUCING ROUTING MESSAGES FOR VOICE OVER IP COMMUNICATIONS**

[54] **PRODUCTION DE MESSAGES DE ROUTAGE POUR DES COMMUNICATIONS PAR VOIX SUR IP**

[72] PERREAULT, CLAY, GB

[72] NICHOLSON, STEVE, GB

[72] THOMSON, ROD, CA

[72] BJORSELL, JOHAN EMIL VICTOR, CA

[72] ARAFA, FUAD, CA

[71] VOIP-PAL.COM, INC., US

[22] 2007-11-01

[41] 2008-05-08

[62] 2,668,025

[30] US (60/856212) 2006-11-02

[21] **3,032,710**
[13] A1

[51] **Int.Cl. B07B 1/46 (2006.01) B29C 45/00 (2006.01) B29D 28/00 (2006.01)**

[25] EN

[54] **INJECTION MOLDED SCREENING APPARATUSES AND METHODS**

[54] **APPAREILS DE CRIBLAGE MOULES PAR INJECTION ET PROCEDES**

[72] WOJCIECHOWSKI, KEITH F., US

[71] DERRICK CORPORATION, US

[22] 2015-05-01

[41] 2015-11-05

[62] 2,947,714

[30] US (14/268101) 2014-05-02

[21] **3,032,800**
[13] A1

[51] **Int.Cl. F24C 3/00 (2006.01) F24B 1/18 (2006.01) F24C 15/30 (2006.01)**

[25] EN

[54] **MODULAR LINEAR FIREPLACE SYSTEM, ASSEMBLIES AND METHODS**

[54] **SYSTEME DE CHEMINEE LINEAIRE ET MODULAIRE, ENSEMBLES ET PROCEDES**

[72] RUMENS, KURT W. F., US

[72] ATEMBOSKI, ALAN R., US

[72] FOTHERINGHAM, WILLIAM ROSS, US

[72] BARBER, NICHOLAS, US

[71] TRAVIS INDUSTRIES, INC., US

[22] 2015-03-05

[41] 2015-09-11

[62] 2,936,009

[30] US (61/949,208) 2014-03-06

Index of Canadian Patents Issued

February 26, 2019

Index des brevets canadiens délivrés

26 février 2019

1311854 ONTARIO LIMITED	2,960,613	AKUTSU, YOSUKE	2,948,361	ANDERSON, NICHOLAS	
3X ENGINEERING	2,819,607	AKZO NOBEL CHEMICALS		WILLIAM	2,817,781
649119 N.B. INC.	2,916,228	INTERNATIONAL B.V.	2,821,954	ANDERSON, NOEL W.	2,782,316
9282-3087 QUEBEC (DBA TMC CANADA)	2,875,536	ALABUR, MANJUNATHA		ANDRITZ OY	2,835,032
AAK DENMARK A/S	2,802,934	KOTRESHI	2,835,188	ANGELCARE DEVELOPMENT INC.	2,974,663
AB INITIO TECHNOLOGY LLC	2,764,390	ALAM, JOHN JAHANGIR	2,835,707	ANNEN, IVO	2,967,833
ABB SCHWEIZ AG	2,790,453	ALBER GMBH	2,932,094	AP SOLUTIONS, INC.	2,751,736
ABBATE, ALAIN D.	2,941,258	ALCORN, JUSTIN DOW	2,980,017	APANEL, GEORGE	2,879,351
ABBOTT MOLECULAR INC.	2,916,808	ALECTOS THERAPEUTICS INC.	2,816,798	APEPTICO FORSCHUNG UND ENTWICKLUNG GMBH	2,875,749
ABE, MITSUTAKA	2,878,175	ALEES ECO ARK (CAYMAN) CO. LTD.	2,910,934	APPENZELLER, ANDREAS	2,819,486
ABHARI, KAMYAR	2,985,221	ALEXANDER, SIMON	2,976,573	APPLE INC.	2,894,105
ABL IP HOLDING LLC	2,919,802	ALFASIGMA S.P.A.	2,694,391	APS TECHNOLOGY, INC.	2,829,318
ABL IP HOLDING LLC	2,943,130	ALFRED-WEGENER-INSTITUT	2,970,190	APT, KIRK E.	2,801,011
ABOU-ASSALI, TAREK	2,730,103	ALGECIRAS-SCHIMNICH, ALICIA	2,916,808	ARBUTUS BIOPHARMA CORPORATION	2,743,136
ACCENTURE GLOBAL SERVICES LIMITED	2,743,127	ALGETA ASA	2,797,901	ARCELORMITTAL	2,949,340
ACCENTURE GLOBAL SERVICES LIMITED	2,763,627	ALIGN TECHNOLOGY, INC.	2,953,063	ARCONIC INC.	2,992,095
ACCENTURE GLOBAL SERVICES LIMITED	2,921,033	ALKERMES PHARMA IRELAND LIMITED	2,858,812	ARIANEGROUP SAS	2,804,996
ACCENTURE GLOBAL SERVICES LIMITED	2,921,718	ALKMIN, MARCO ANTONIO	2,748,752	ARIANEGROUP SAS	2,805,010
ACCENTURE GLOBAL SERVICES LIMITED	2,926,579	ALLEN, CHARLES ROBERT	2,943,064	ARIZTI, BLANCA	2,894,669
ACCENTURE GLOBAL SERVICES LIMITED	2,936,732	ALLEN, GEOFFREY C.	2,945,805	ARKEMA INC.	2,812,758
ADACHI, TAKAHIRO	2,993,379	ALLEN, JAMES D., IV	2,930,309	ARKEMA INC.	2,863,918
ADAMA MAKHTESHIM LTD.	2,797,226	ALLENOU, JEROME	2,839,251	ARNE, LAWRENCE	2,792,224
ADAMS, BAYA	2,920,783	ALMAZAN, RAUL H.	2,939,320	ARNIM, NATHAN	2,867,900
ADKAR, PRASHANT RAMAKANT	2,926,053	ALON, DAVID	2,914,408	ARNOLD, WILLIAM G.	2,786,355
ADVANCED DRAINAGE SYSTEMS, INC.	2,783,431	ALONSO FRIGOLA, ESTER	2,841,041	ARONHALT, TAYLOR W.	2,812,150
AEHLE, WOLFGANG	2,770,607	AMATO, WILLIAM P.	2,766,759	ARRATIA, MANUELA	2,842,335
AGAPIOU, KYRIACOS	2,920,783	AMAZON TECHNOLOGIES, INC.	2,812,912	ARRIS ENTERPRISES LLC	2,948,895
AGIOS PHARMACEUTICALS, INC.	2,823,401	AMAZON TECHNOLOGIES, INC.	2,947,219	ARRIS ENTERPRISES LLC	2,956,801
AGRAWAL, BIRDHILAL		AMAZON TECHNOLOGIES, INC.	2,947,219	ARSENIN, ALEXEY VLADIMIROVICH	2,935,101
NAVALKISHOR	2,918,984	AMBROSINO, DONNA	2,553,946	ARUNACHALAM, JAWAHAR	2,860,585
AGUAYO ARELLANO, PABLO IVAN	2,983,423	AMERICAN GREETINGS CORPORATION	2,967,594	AS IP HOLDCO, L.L.C.	2,826,616
AGUILAR, ANGELO	2,825,306	AMERIGE, BRIAN D.	2,946,879	ASKAT INC.	3,000,237
AHMED, OSMAN	2,977,483	AMGEN INC.	2,760,196	ASSA ABLOY INC.	2,919,900
AHN, JAESEUNG	2,841,252	AMGEN INC.	2,778,112	ASSOCIATED ASPHALT MARKETING, LLC	2,964,507
AHN, JUNG-MO	2,800,811	AMGEN INC.	2,868,000	ASTELLAS PHARMA INC.	2,830,157
AHOLA, VESA	2,814,609	AMIN, MOHAMMAD	2,976,901	ASTRIUM LIMITED	2,856,643
AHRENS, HARTMUT	2,809,487	AMIT, MATI	2,710,733	ATCHISON, OWEN MICHAEL	2,783,431
AIKENS, CHRISTOPHER L.	2,824,586	AMO REGIONAL HOLDINGS	2,725,508	ATKINS, WILLIAM BRIAN	2,912,192
AINLEY, WILLIAM MICHAEL	2,787,594	AMO WAVEFRONT SCIENCES, LLC	2,748,282	ATTERBURY, WILLIAM G.	2,774,533
AIRBUS HELICOPTERS	2,967,987	ANDERL, JAN	2,829,421	ATTREE, JULIAN	2,782,767
AKAMI, KAZUKI	2,970,594	ANDERLE, SETH GARRETT	2,912,192	ATWOOD, JOHN	2,821,954
AKTAS, HUSEYIN	2,758,546	ANDERSEN, MORTEN DAUGAARD	2,802,934	AUDIENCE PARTNERS, LLC	2,716,072
AKTAS, MACIT	2,902,365	ANDERSON, BRIAN J.	2,826,136	AURA BIOSCIENCES, INC.	2,795,906
AKUTSU, YOSUKE	2,946,822	ANDERSON, KEITH H.	2,813,563	AUTOMATION, PRESS AND TOOLING, A.P. & T AB	2,834,768
		ANDERSON, NICHOLAS WILLIAM	2,817,436	AVENTIS PHARMA S.A.	2,693,152
				AVON PRODUCTS, INC.	2,799,223
				AYADA, MICHIIHIKO	2,913,868
				AYAL, SHARON	2,709,517
				AYOTTE, MAXIME	3,000,122

Index of Canadian Patents Issued February 26, 2019

AYOTTE, MAXIME	3,000,139	BAYLOR COLLEGE OF		BERGMAN, YLVA	2,827,172
AYZENSHTAT, LEONID	2,925,366	MEDICINE	2,698,117	BERK, TODD	2,981,480
AZUMA, MITSUTOSHI	2,793,052	BEATY, PATRICK SHAWN	2,964,310	BERKLEY, ANDREW	2,976,901
BABCOCK, GREGORY J.	2,553,946	BEAULIEU, PATRICK	2,868,600	BERKLEY, ANDREW J.	2,738,669
BABIC, BRANISLAV	2,830,778	BECH, JOHN	2,771,730	BERLEPSCH, JOSEPH ALLEN	2,948,647
BACHER, CHRISTIAN	2,821,832	BECHTEL HYDROCARBON		BERNARDO ESCUDERO,	
BACK, SEOYOUNG	2,951,010	TECHNOLOGY		ROBERTO	2,818,129
BACK, SEOYOUNG	2,951,012	SOLUTIONS, INC.	2,941,410	BERRY, DOUGLAS EDWIN	2,965,763
BACON, RUSSELL M.	2,762,439	BECK, OLOF	2,771,830	BERTELO, CHRISTOPHER A.	2,812,758
BACZEK, FRANK	3,010,091	BECKER, ROBERT	3,017,840	BERTI, FRANCESCO	2,811,305
BADORC, ALAIN	2,834,452	BECKER-UNDERWOOD, INC.	2,826,009	BERTRAND, LOUIS	2,806,920
BAE, HYUN	2,719,147	BECKETT, RAYMOND PAUL	2,852,685	BES, GUILLAUME	2,753,089
BAEK, JONGSEOB	2,951,010	BECTON, DICKINSON AND		BESMAN, MARC	2,742,328
BAEK, JONGSEOB	2,951,012	COMPANY	2,746,153	BESSERER, BRUCE	2,798,791
BAEK, SUNG HWAN	2,817,000	BECTON, DICKINSON AND		BESTERMANN, JOHN	
BAETZ, ANDRE	2,871,074	COMPANY	2,747,521	RANDOLPH	2,956,801
BAI, LONGCHUAN	2,825,306	BECTON, DICKINSON AND		BETTS, RONALD E.	2,869,102
BAILEY, BRENT ANDREW	2,985,221	COMPANY	2,851,315	BEUTERBAUGH, AARON M.	2,961,174
BAILEY, THOMAS F.	2,850,500	BECTON, DICKINSON AND		BEWLEY, ALEX JOSEPH	2,720,080
BAKER HUGHES		COMPANY	2,911,449	BEWS, DUNCAN ALEXANDER	2,484,818
INCORPORATED	2,895,314	BECTON, DICKINSON AND		BHADRA, NERENDRA	2,876,297
BAKER, KELLY M.	2,943,842	COMPANY	2,961,637	BHADRA, NILOY	2,876,297
BALAVOINE, FABRICE	2,813,834	BECTON, DICKINSON AND		BHENDE, UDAY YESHWANT	2,926,053
BALLAST MEDICAL INC.	2,911,795	COMPANY	2,964,310	BHOLA, ADITYA	2,936,732
BALUCA, ERNEST G.	2,737,764	BEECKLER, CHRISTOPHER	2,756,540	BIANCHI, ERNESTO	2,894,669
BANIEL, URI	2,730,103	BEECKLER, CHRISTOPHER		BICKER, MATTHIAS	2,824,074
BARAN, HALINA	2,681,822	THOMAS	2,762,201	BILGISCHER, JEAN-PASCAL	
BARBOSA, LIVEA FUJITA	2,748,752	BEHLING, JIM	2,813,563	PIERRE	2,788,967
BARDAPURKAR, SAMEER	2,921,779	BEHRENS, JOYCE	2,747,937	BILL, KURT	2,784,278
BARFOOT, DAVID ANDREW	2,915,722	BEHRENS, PAUL WARREN	2,801,011	BILLION KING	
BARNHOLTZ, STEVEN LEE	2,930,245	BEHZADI, YASHAR	2,792,224	INTERNATIONAL	
BARRATT, JOHN SCOTT	2,919,319	BEIJING RESEARCH		LIMITED	2,841,445
BARRATT, JOHN SCOTT	2,919,320	INSTITUTE OF		BINGEMAN, RON	2,938,598
BARRIAC, GWENDOLYN		CHEMICAL INDUSTRY,		BIO-RAD LABORATORIES,	
DENISE	2,918,755	CHINA PETROLEUM &		INC.	2,797,122
BARRILE-JOSEPHSON, CRAIG		CHEMICAL		BIO-RAD LABORATORIES,	
A.	2,985,739	CORPORATION	2,881,474	INC.	2,820,094
BARROW, JAMES COLIN	2,694,492	BEIJING TERASOLAR		BIOMERIEUX, INC.	2,805,076
BARRY, ANDREW A. W.	2,850,500	ENERGY TECHNOLOGIES		BIOSENSE WEBSTER	
BARRY, GERARD J.	2,484,818	CO., LTD.	2,866,096	(ISRAEL), LTD.	2,754,969
BARTLETT, WILLIAM P., SR.	2,853,640	BEISWENGER, CARL	2,807,299	BIOSENSE WEBSTER	
BASF SE	2,830,138	BELKIN INTERNATIONAL,		(ISRAEL), LTD.	2,762,201
BASF SE	2,919,319	INC.	2,799,382	BIOSENSE WEBSTER, INC.	2,710,733
BASF SE	2,919,320	BELL, PETER S.	2,832,554	BIOSENSE WEBSTER, INC.	2,756,540
BASHA NURE, SUBANI	2,936,732	BELLAMKONDA, RAVI V.	2,807,483	BIOTRONIK AG	2,869,102
BASSETT, PHILIP JONATHAN	2,788,967	BELLMORE, DAVID	2,921,920	BIRKERT, THOMAS	2,814,113
BASSUET, ALBAN	2,948,457	BELOUSKI, EDWARD JOHN	2,760,196	BISSERY, MARIE-CHRISTINE	2,693,152
BASTIGKEIT, THORSTEN	2,752,791	BELRON INTERNATIONAL		BITTAU, ANDREA	2,824,826
BASUDE, RAGHUVVEER	2,962,417	LIMITED	2,798,922	BITZER, PAUL-GERHARD	2,932,094
BATTELLE MEMORIAL		BELTRAN, PEDRO	2,868,000	BJORNSON, ERIK	2,742,328
INSTITUTE	2,793,989	BEN-YISHAI, DROR	3,022,437	BLACKBERRY LIMITED	2,817,436
BAUCH, HARTMUT	2,824,074	BENDER, JASON	2,797,243	BLACKBERRY LIMITED	2,817,781
BAUM, MICHAEL J.	2,819,695	BENDIX COMMERCIAL		BLACKBERRY LIMITED	2,823,817
BAUSCH & LOMB		VEHICLE SYSTEMS LLC	2,766,759	BLACKBERRY LIMITED	2,873,103
INCORPORATED	2,985,739	BENNANI, YOUSSEF		BLACKBERRY LIMITED	2,933,167
BAUSE, RALF	2,945,560	LAAFIRET	2,824,516	BLACKWOOD TECHNOLOGY	
BAXALTA GMBH	2,742,328	BENNETT, JEREMY	2,875,366	BV	2,822,020
BAXALTA GMBH	2,815,239	BENO, JONATHAN	2,766,982	BLAESER, DAVID J.	2,911,795
BAXALTA INCORPORATED	2,742,328	BERGER, HORST	2,842,732	BLANC, CHRISTOPHE	2,923,470
BAXALTA INCORPORATED	2,815,239	BERGER, KAREN	2,921,920	BLAZQUEZ, SAMANTHA	2,800,316
BAXTER, CHESTER O., III	2,812,150	BERGIN, JONATHAN	2,760,003	BLEACHR LLC	2,985,316
BAYER CROPSCIENCE AG	2,809,487	BERGMAN, PETER		BLOOM, JOOST GERARDUS	
BAYER, HANS-JORG	2,970,190	CHRISTIAAN ALBERT	2,822,020	PETRUS	2,813,642
		BERGMAN, ROLF	2,725,508	BLUE, RYAN C.	2,787,594

**Index des brevets canadiens délivrés
26 février 2019**

BLY IP INC.	2,925,166	BRESHEARS, SCOTT	2,832,554	CARMELIET, PETER	2,736,929
BOBECK, DREW R.	2,932,067	BRETON, MARCEL P.	2,945,805	CARMICHAEL, SCOTT	2,821,954
BOBO, DAVID	2,928,872	BROCHU, CHRISTIAN	2,908,249	CAROSELLA, EDGARDO	
BODIDATA, INC.	2,951,220	BROERING, TERESA	2,553,946	DELFINO	2,764,649
BOEBEL, TIMOTHY	2,797,226	BRONWASSER, ROBERT WIM	2,803,045	CARRION, ALEXANDER	2,886,303
BOEHMKE, SCOTT	3,015,894	BROPHY, JOHN	2,719,382	CARROLL, SEAN	2,884,854
BOERRETZEN, PEER	2,797,901	BROTHERS, LANCE EVERETT	2,920,783	CARROLL, TIM J.	2,810,396
BOLAND, MICHAEL JOSEPH	2,814,015	BROUILLETTE, GEORGES	2,948,898	CARTER, WADE E.	2,956,801
BOLDRON, CHRISTOPHE	2,834,452	BROUWER, MICHAEL	2,894,105	CARTIGNY, YOHANN	2,813,834
BOLIKAL, DURGADAS	2,737,764	BROWN, WAYNE	2,822,507	CARUTHERS, JACK	2,939,320
BOLIKAL, DURGADAS	2,777,234	BRUEHWILER, MICHEL	2,746,153	CASE WESTERN RESERVE	
BOLKEN, TOVE C.	2,793,533	BRYAN, DAVID A.	2,949,211	UNIVERSITY	2,766,982
BOLTANSKI, RAMI	2,953,063	BUCHER, CHRISTOPHE	2,826,616	CASE WESTERN RESERVE	
BOMBARDIER		BUCKS, BRENT L.	2,833,065	UNIVERSITY	2,876,297
RECREATIONAL		BUENING, JENS	2,907,611	CASE, ABBY C.	2,831,298
PRODUCTS INC.	2,968,183	BUFFALO FILTER LLC	2,948,182	CASTEEL, MELISSA JEAN	2,919,522
BOMBARDIER		BUNING, CHRISTIAN	2,822,120	CATERPILLAR INC.	2,851,416
TRANSPORTATION		BUNYK, PAUL	2,976,901	CATERPILLAR INC.	2,851,422
GMBH	2,824,322	BUNYK, PAUL I.	2,738,669	CATERPILLAR INC.	2,857,331
BONANO, SAMANTHA	2,948,182	BUR, DANIEL	2,816,406	CAU, JOSE FRANCISCO	2,748,752
BONNIN, THIERRY	2,779,557	BURBIDGE, RICHARD		CC BIOTECHNOLOGY	
BONYAK, YEVGENY	2,754,969	CHARLES	2,817,436	CORPORATION	2,943,554
BOOMGAARDEN, GUENTER	2,783,462	BURBIDGE, RICHARD		CELLRESEARCH	
BOONE, THOMAS J.	2,762,451	CHARLES	2,817,781	CORPORATION PTE LTD	2,971,062
BORATE, HANUMANT		BURKE, NASRIN TABAYEH	2,801,011	CENTRE DE RECHERCHE	
BAPURAO	2,829,785	BURNETTE, BLAKE	2,895,314	INDUSTRIELLE DU	
BORDELON, RANDY PAUL	2,949,866	BURNS, RODNEY M.	2,989,478	QUEBEC	2,962,809
BOREALIS AG	2,983,423	BURSULAYA, BADRY	2,875,966	CENTRE NATIONAL DE LA	
BOSCHET, PATRICK	2,967,987	BUSH, LARRY L.	2,874,652	RECHERCHE	
BOSMAN, DIRK	2,829,318	BUSH, STEPHAN GARY	2,949,119	SCIENTIFIQUE	2,802,463
BOSSEN, FRANK JAN	2,900,863	BUSS, RANDY L.	2,807,215	CERNE, HEATHER	2,778,112
BOSTON SCIENTIFIC SCIMED,		BUTLER, DAVID	2,743,136	CERTAIN, TATE ANDREW	2,812,912
INC.	2,855,194	BUTTIN, PASCAL	2,796,532	CETRES HOLDINGS, LLC	2,941,954
BOSTON SCIENTIFIC SCIMED,		CABI, SERKAN	2,886,393	CETTI, JONATHAN ROBERT	2,895,089
INC.	2,908,948	CABONI, MICHELE	2,861,208	CHABOT, MARC ANDRE	2,891,954
BOSTROM, ANDERS	2,915,225	CADILA PHARMACEUTICALS		CHAIKO, DAVID J.	3,010,091
BOTH, INGO	2,848,936	LIMITED	2,824,417	CHAMBERS, JAMES W.	2,850,500
BOTT, RICHARD	2,770,607	CAE INC.	3,000,122	CHAN, KWAN CHEE	2,694,007
BOTTINI, GIORGIO	2,851,748	CAE INC.	3,000,139	CHAN, TAT KEUNG	2,948,895
BOUL, PETER JAMES	2,920,783	CAE INC.	3,000,147	CHANDAVARKAR, MOHAN	
BOULET D'AURIA,		CAE INC.	3,000,480	ANAND	2,829,785
STANISLAS	2,819,607	CAILLAU, DAMIEN	2,804,996	CHANDRASEKARAN, GURU	
BOURGAULT INDUSTRIES		CAILLAU, DAMIEN	2,805,010	PARAN	2,824,826
LTD.	2,968,181	CAKIR, ISIN	2,886,393	CHANG, DAVID DONG EUN	2,868,000
BOUTROT, CATHERINE	2,842,335	CALLENS, ROLAND	2,727,693	CHANG, JIANG	2,816,798
BOUTWELL, DOYLE		CAMIANT, INC.	2,730,103	CHAO, JOHN	2,875,536
FREDERIC, JR.	2,937,095	CAMP, RANDOLPH C., III	2,897,757	CHAOUA, YOUCEF	2,948,983
BOWDICH, MARK DANIEL	2,965,763	CAMPANELLA, ANDREW J.	2,738,654	CHARIFSON, PAUL, S.	2,824,516
BOWEN, DOUGLAS M.	2,953,748	CAMPBELL, CHARLES E.	2,748,282	CHAROLLAIS, FRANCOIS	2,839,251
BOWMAN, HEATH	2,877,954	CANCER THERAPEUTICS CRC		CHARPENTIER, ALBERT	2,951,220
BOYER, CHRISTOPHE	2,788,469	PTY LIMITED	2,827,172	CHAVAN, GAJANAN	
BOYLAN, MICHAEL	2,951,220	CANETE CABEZA, CLAUDIO	2,966,158	JALINDAR	2,829,785
BOZZATO, PAOLO	2,832,873	CANTEL (UK) LIMITED	2,818,575	CHAVAN, SUBHASH	
BRAND, JAMES G.	2,943,130	CAO, ZHU ALEXANDER	2,868,000	PRATAPRAO	2,829,785
BRANDEIS UNIVERSITY	2,996,947	CARADEC, GILLES	2,796,532	CHEN, BEI	2,875,966
BRANDNER, MARCO	2,842,044	CARAVIELLO, DANIEL	2,766,914	CHEN, DEJI	2,784,389
BRANDOM, DON K.	2,737,764	CAREFUSION 207, INC.	2,825,832	CHEN, GORDON CHING	2,910,934
BRANDT SANZ, MIGUEL	2,938,967	CARFOLDIO LTD	2,874,810	CHEN, JIANFANG	2,825,306
BRANICKY, MICHAEL S.	2,766,982	CARGEEG, R.D. PIRAN	2,826,009	CHEN, JIE	2,717,124
BRASCH, MICHAEL A.	2,964,310	CARGILLE, JONATHAN M.	2,803,763	CHEN, JIPENG	2,710,862
BRAUN, RALF	2,809,487	CARL, ARND-GUENTHER	2,948,706	CHEN, SEAN	2,976,573
BRAVILOR HOLDING B.V.	2,829,587	CARLENS, JEAN-CLAUDE	2,862,676	CHEN, SHILIN	2,883,250
BREKKE, STEVE	2,899,499	CARLSON, DAVID CHARLES	2,795,501	CHEN, SIMING W.	2,799,223
BRENNWALD, WERNER	2,961,423	CARLSSON, PAR	2,824,577	CHEN, XIAOQIN	2,837,054

Index of Canadian Patents Issued February 26, 2019

CHEN, ZHONGWEI	2,825,436	COLISTRO, VINCENT	2,931,729	CRISOSTOMO, CRISSLY V.	2,855,194
CHEN, ZHU	2,825,436	COMBELAS, NICOLAS	2,795,906	CROCI, MATTIA	2,869,284
CHENG, JANET D.	2,778,112	COMMISSARIAT A L'ENERGIE		CROCOMBE, RICHARD A.	2,874,319
CHENG, JIN Q.	2,561,513	ATOMIQUE ET AUX		CROUCH, JUSTIN BLAKE	2,939,320
CHENNAMSETTY, NARESH	2,727,936	ENERGIES		CROWN EQUIPMENT	
CHERINKO, STEPHEN		ALTERNATIVES	2,764,649	CORPORATION	2,826,440
ROBERT	2,801,011	COMMISSARIAT A L'ENERGIE		CROWN PACKAGING	
CHEVRON U.S.A. INC.	2,825,143	ATOMIQUE ET AUX		TECHNOLOGY, INC.	2,830,315
CHIA, TECK	2,893,443	ENERGIES		CROWN PACKAGING	
CHIDA, KAZUMI	2,993,379	ALTERNATIVES	2,805,733	TECHNOLOGY, INC.	2,838,959
CHILDREN'S HEALTHCARE		COMMISSARIAT A L'ENERGIE		CUI, CHANG HAO	2,962,201
OF ATLANTA, INC.	2,807,483	ATOMIQUE ET AUX		CULBERTSON, DEBORAH L.	2,830,138
CHINA PETROLEUM &		ENERGIES		CURB, J. DAVID	2,733,597
CHEMICAL		ALTERNATIVES	2,839,251	CURCIC, NIKOLA	2,938,967
CORPORATION	2,881,474	COMPAGNIE GENERALE DES		CYNETIC DESIGNS LTD.	2,717,533
CHINN, DANIEL	2,825,143	ETABLISSEMENTS		D B INDUSTRIES, LLC	2,786,234
CHIRON-BLONDEL,		MICHELIN	2,976,643	D-WAVE SYSTEMS INC.	2,976,901
MARIELE	2,693,152	COMPLETE ENTRY SYSTEMS		D-WAVE SYSTEMS, INC.	2,738,669
CHIU, ROSSA WAI KWUN	2,694,007	AND SERVICES (2004)		DAI, QIZHOU	2,806,920
CHO, SUNG MIN	2,968,003	INC.	2,870,543	DAI, WEI	2,881,474
CHODOUNSKA, HANA	2,957,906	CONAIR CORPORATION	2,974,751	DAISHOWA SEIKI KABUSHIKI	
CHOI, NEIL	2,827,172	CONGDON, THOMAS		KAISHA	2,896,648
CHONG, KA CHUN	2,694,007	MARSHALL	2,851,422	DALTORIO, KATHRYN A.	2,766,982
CHOPADE, PRASHANT D.	2,946,847	CONNELL, DANIEL	2,821,954	DAMMEYER, KARL L.	2,826,440
CHOPRA, NAVEEN	2,945,805	CONROY, SEAN ADRIAN	2,985,221	DANGER, JEAN-LUC	2,750,358
CHOPRA, RAJESH	2,788,678	CONSONNI, ENRICO	2,948,706	DANIEL MEASUREMENT AND	
CHOU, CHIA-TE	3,000,694	CONSTELLATION		CONTROL, INC.	2,939,320
CHOW, CLEMENT	2,698,117	PRODUCTIONS, INC.	2,948,457	DANIEL MEASUREMENT AND	
CHR. HANSEN A/S	2,750,576	CONSTELLIUM ISSOIRE	2,753,089	CONTROL, INC.	2,943,064
CHRISTENSEN, CHAD A.	2,944,939	CONSTELLIUM ISSOIRE	2,832,085	DANIELCZYK, ANTJE	2,768,888
CHUNG, DAVID	2,785,833	CONSTRUCTION RESEARCH		DANIELSEN, TRON	2,848,924
CHUNG, DO HEE	2,817,000	& TECHNOLOGY GMBH	2,839,376	DANISCO US INC.	2,770,607
CHURCHILL DRILLING		CONTORNI, MARIO	2,811,305	DANZER, HANS-JOACHIM	2,928,240
TOOLS LIMITED	2,761,002	COOK, THEODORE E.	2,945,354	DARR, MATTHEW RAIN	2,824,468
CHURCHILL, ANDREW	2,761,002	COOKE, NIGEL GRAHAM	2,802,132	DAS, BABUA	2,842,335
CIOCEANU, NICU	2,751,181	COOPER, RUSSELL EVAN	2,825,143	DATEMA, BRYAN S.	2,853,640
CIRCOR PUMPS NORTH		COOYMANS, LUDWIG PAUL	2,821,999	DAVEY, MARK NAIRN	2,945,296
AMERICA, LLC	2,955,780	COPLAND, JAMES	2,748,282	DAVIDOCK, DREW	2,961,637
CIRCOR PUMPS NORTH		COQUEREL, GERARD	2,813,834	DAVIS, JAMES H.	2,825,143
AMERICA, LLC	2,955,824	CORBIN, DAVID RICHARD	2,787,594	DAVIS, JON	2,952,628
CITY WELDING SUDBURY		CORDONNIER, ALAIN	2,855,958	DE CLUTE-MELANCON,	
(2015) LIMITED	2,948,898	CORIXA CORPORATION	2,860,702	DANIEL AARON	2,958,465
CLARKE, MICHAEL		CORMINBOEUF, OLIVIER	2,816,406	DE LOS PINOS, ELISABET	2,795,906
FREDERICK HARNESS	2,823,817	CORNING OPTICAL		DE SAINT MICHEL, LOUIS	2,839,453
CLAY, BRADFORD G.	2,805,076	COMMUNICATIONS LLC	2,989,478	DE SANTIS, RITA	2,694,391
CLEANMETALS SA	2,843,828	CORSI, CAMILLA	2,879,760	DE VOS, WILLEM MEINDERT	2,750,576
CLEMENT, DAVID	2,964,124	CORUN, RONALD	2,964,507	DEAVER, DANIEL	2,858,812
CMECH (GUANGZHOU), LTD.	2,965,164	COSMO OIL CO., LTD.	2,831,737	DECARMINE, ANTHONY	2,812,758
CMTE DEVELOPMENT		COSTANTINO, PAOLO	2,811,305	DECLERCQ, LIEVE	2,839,453
LIMITED	2,720,080	COSTIDES, NICHOLAS	2,798,791	DEEM, MARK	2,780,608
CNH INDUSTRIAL AMERICA		COUNCIL OF SCIENTIFIC &		DEERE & COMPANY	2,782,316
LLC	2,826,136	INDUSTRIAL RESEARCH	2,829,785	DEFELICE, SCOTT F.	2,812,758
CNH INDUSTRIAL CANADA,		COURSAGET, PIERRE L.	2,795,906	DEFIEBER, CHRISTIAN	2,830,138
LTD.	2,866,050	COUTINHO, JOSE MANOEL		DEGEN, THOMAS	2,864,391
CNH INDUSTRIAL CANADA,		SOARES	2,748,752	DEGN, PETER EDVARD	2,770,607
LTD.	2,911,624	COUV RAT, NICOLAS	2,813,834	DEL RIO FERNANDEZ,	
COBERN, MARTIN E.	2,829,318	COVEY, ROBERT A.	2,953,748	JOAQUIN	2,769,237
COGLITORE, GIOVANNI	2,904,643	COVIDIEN LP	2,930,309	DELESQUE, NATHALIE	2,834,452
COGNIS IP MANAGEMENT		COWAN, ROBERT J.	2,977,483	DELOS LIVING LLC	2,946,367
GMBH	2,798,654	COX, MARTIN	2,800,467	DELTA S.P.A.	2,826,400
COHERE TECHNOLOGIES,		CRAWFORD, JAMIESON W.	2,911,449	DEMATIC GMBH	2,846,933
INC.	2,955,827	CRAWFORD-TAYLOR,		DEMIN, SAMUEL DOMINIQUE	2,821,999
COILED TUBING		SHANNON K.	2,817,580	DENTSPLY INTERNATIONAL	
SPECIALTIES, LLC	2,919,649	CREN, SYLVAIN	2,816,406	INC.	2,806,920

**Index des brevets canadiens délivrés
26 février 2019**

DEPRUGNEY, LUC	2,971,711	DUARTE, IVAIR LUIZ	2,748,752	ERASMUS UNIVERSITY	
DEPUTIER, STEPHANIE	2,839,251	DUBE, MARIO	3,000,480	MEDICAL CENTER	
DEPUY SYNTHES PRODUCTS, INC.	2,819,486	DUBOIS, ZERLINA GUZDAR	2,895,089	ROTTERDAM	2,808,485
DERKACZ, PATRICK R.	2,890,615	DUCK, ROBERT	2,792,224	ERGOTRON, INC.	2,805,389
DESHPANDE, SACHIN G.	2,958,531	DUDLEY, PETER G	2,817,351	ERGUN, MUSTAFA A.	2,805,389
DESMET, LAURENT	3,000,122	DUFFY, JOHN	2,484,818	ERHARTER, NIKOLAUS	2,821,832
DEVICOR MEDICAL		DUFLOT, PIERRICK	2,816,258	ERICKSON, JACK	2,794,793
PRODUCTS, INC.	2,833,008	DUGAN, GREG J.	2,825,832	EROGLU, HASAN	2,930,245
DEVROE, SEBASTIEN	2,855,958	DUGAN, MICHAEL T.	2,818,604	EROWA AG	2,827,437
DIAKIDOU, AMALIA	2,876,739	DUGGAN, DESMOND	2,921,033	ESBENSEN, THOMAS	2,764,612
DIBER, ALEX	2,709,517	DUNCAN, DAVID R.	2,801,200	ESPENAN, JEAN-MICHEL	2,839,007
DICKENS, COLIN	2,949,922	DUNCAN, IAIN G.	2,952,803	ESPINOSA, THOMAS M.	2,941,954
DICKEY, BURTON	2,756,412	DUNN, STEVEN B.	2,814,113	ESSILOR INTERNATIONAL	2,775,941
DIEFENBACH-STREIBER, BEATE	2,732,782	DUNN, WILLIAM	2,849,902	ESSILOR INTERNATIONAL	2,779,557
DIENST, JOHNATHON R.	2,826,136	DUNWOODY, PAUL ROBERT	2,830,315	ESTERBAUER, ERWIN	2,838,305
DIETZ, MAX	2,947,462	DUPONT NUTRITION		ETHICON ENDO-SURGERY, INC.	2,806,431
DIMITRIADIS, ALEXANDROS	2,945,354	BIOSCIENCES APS	2,770,607	ETHICON ENDO-SURGERY, INC.	2,812,150
DIMMER, STEVEN C.	2,780,608	DUTREIX, MARIE	2,802,463	ETHICON ENDO-SURGERY, INC.	2,960,251
DIMSEY, JAMES	2,814,609	DWARAKANATH, ANURAG	2,763,627	ETHOX CHEMICALS, LLC	2,938,598
DIONO, LLC	2,964,124	DYER, KELLY NOEL	2,973,479	ETX SYSTEMS INC.	2,822,507
DIRKSEN, RONALD		DYER, KELLY NOEL	2,985,221	EUROPEAN TAX FREE SHOPPING LIMITED	2,484,818
JOHANNES	2,971,847	DYNACURRENT		EVANS, SCOTT	2,756,412
DJAMGOZ, MUSTAFA BILGIN		TECHNOLOGIES, INC.	2,793,130	EVELAND, DAVID	2,919,900
ALI	2,851,694	E. R. SQUIBB & SONS, L.L.C.	2,553,946	EVOGENE LTD.	2,709,517
DO, THAI	2,992,095	EATON INTELLIGENT POWER LIMITED	2,824,468	EVOLUTION ENGINEERING INC.	2,890,615
DOBNER, MICHAEL HENRY	2,985,739	EBERTH, ADINA	2,732,782	EWALD, REINER	2,948,706
DOBSON, KENNETH S.	2,812,595	ECHOSTAR TECHNOLOGIES L.L.C.	2,818,604	EWY, DAVID RAY	2,814,848
DOERNER-RIEPING, SIMON	2,809,487	ECKSTEIN, THOMAS	2,928,240	EXACTEARTH LTD.	2,791,395
DOHI, YUSUKE	2,807,954	ECOMIN SRL	2,832,873	EXOGENESIS CORPORATION	2,853,639
DOMECUS, BRIAN J.	2,827,034	EDGEWELL PERSONAL CARE CANADA, ULC	2,748,752	EXXONMOBIL UPSTREAM RESEARCH COMPANY	2,977,364
DONDERICI, BURKAY	2,930,399	EDHOUSE, MARK JEFFREY	2,842,747	EYZAGUIRRE, CARLOS	3,010,091
DONLON, TIMOTHY ATCHISON	2,733,597	EDWARDS LIFESCIENCES CORPORATION	2,867,900	F. HOFFMANN-LA ROCHE AG	2,701,646
DOPPSTADT		EDWARDS LIFESCIENCES CORPORATION	2,967,234	F. HOFFMANN-LA ROCHE AG	2,818,628
FAMILIENHOLDING GMBH	2,842,732	EDWARDS, RICHARD LAMAR, JR.	2,949,866	F. HOFFMANN-LA ROCHE AG	2,820,095
DOPPSTADT, JOHANN	2,842,732	EHRENFREUND, JOSEF	2,879,760	F. HOFFMANN-LA ROCHE AG	2,829,170
DOUGAN, CHRISTINE HENDERSON	2,813,563	EHRICH, ELLIOT	2,858,812	F. HOFFMANN-LA ROCHE AG	2,829,171
DOVE, JASON	2,967,594	EHRlich, HARTMUT	2,815,239	F. HOFFMANN-LA ROCHE AG	2,830,778
DOW AGROSCIENCES LLC	2,766,914	EHRNSPERGER, BRUNO JOHANNES	2,894,669	F. HOFFMANN-LA ROCHE AG	2,954,520
DOW AGROSCIENCES LLC	2,787,594	EIP PHARMA, LLC	2,835,707	FAABERG, KAY S.	2,894,069
DOW TECHNOLOGY INVESTMENTS LLC	2,818,525	EISELE, ERIC JON	2,946,367	FAB TEK LOGIC, LLC	2,821,290
DOWELL, ERIK W.	2,834,070	EL HAJJ, GEORGES	2,840,342	FACEBOOK, INC.	2,893,443
DOYON, STEPHANE	2,891,954	ELC MANAGEMENT LLC	2,839,453	FACEBOOK, INC.	2,902,019
DRAGAVON, JOSEPH	2,800,316	ELECTRICITE DE FRANCE	2,971,711	FACEBOOK, INC.	2,904,643
DRAHOS, DAVID	2,780,118	ELLER, MICHAEL R.	2,826,141	FACEBOOK, INC.	2,946,879
DREI LILIEN PVG GMBH & CO. KG	2,947,462	ELLERINGTON, GEORGE	2,948,457	FACEBOOK, INC.	3,015,104
DRENTH, CHRISTOPHER L.	2,925,166	ELLIOTT, RONALD P.	2,998,001	FAHMI, MOHAMED MOHAMED	2,912,799
DRESCH, THOMAS	2,837,478	ELLISON, MURIELLE MARIE	2,760,196	FALKENSTEIN, ROBERTO	2,820,095
DREWES, OLAF	2,955,873	ELTEPU, LAXMAN	2,743,136	FAM	2,833,065
DRISCOLL, TIMOTHY JAMES	2,984,679	EMK CO., LTD.	2,794,962	FANBERG, GORDON B.	2,821,290
DRIVER, MICHAEL S.	2,825,143	ENDOGUARD LIMITED	2,717,124	FANG, XIN	2,965,715
DRIVER, PHILIP JEROME	2,842,747	ENEMARK, ALLAN	2,921,033	FARIA, REINALDO LOURENCO	2,748,752
DROUIN, JEAN-FRANCOIS	2,868,600	ENOMOTO, HIDETO	2,913,868	FARRAND, TOBIN E.	2,949,211
DROUIN, NICHOLAS	2,868,600	ENSCO INTERNATIONAL INCORPORATED	2,980,017	FARRER, STEPHEN W.	2,748,282
DSM IP ASSETS B.V.	2,801,011	EPHRATH, YARON	2,756,540	FARRINGTON, STEPHEN A.	2,839,376
DSM IP ASSETS B.V.	2,489,911	EPPLER, ROBERT	2,875,966	FAUL, THOMAS	2,880,318
DSM NUTRITIONAL PRODUCTS AG	2,694,492			FAUL, THOMAS	2,880,647

Index of Canadian Patents Issued February 26, 2019

FAURE, THIERRY	2,819,387	FRENCH, DAVID JOHN	2,615,968	GECKO ALLIANCE GROUP INC.	2,908,249
FB TECHNOLOGY	2,881,284	FREY, GEORGE	2,802,094	GEDET, PHILIPPE	2,819,486
FDC LIMITED	2,829,785	FREY, STEPHAN-MICHAEL	2,954,520	GEER, BRADLEY C.	2,985,316
FEFER, MICHAEL	2,938,096	FRIEDRICH, MARC	2,949,340	GEHRIS VOGEL, COLIN	2,915,923
FEIT ELECTRIC COMPANY, INC.	2,979,887	FRIPP, MICHAEL L.	2,884,854	GENERAL ECOLOGY, INC.	2,807,299
FELDHUES, ULRICH	2,834,073	FRIPP, MICHAEL LINLEY	2,961,174	GEORGIA STATE UNIVERSITY RESEARCH FOUNDATION, INC.	2,815,087
FENWICK, JOHN	2,998,945	FRISCHE-MOURI, PAUL	2,928,872	GERBER, JAMES S.	2,830,891
FENZ, DANIEL M.	2,977,364	FROMMER, THOMAS P.	2,759,485	GERDES, RUDIGER	2,970,190
FERNANDES GOMES DOS SANTOS, PAULO	2,802,132	FRYDENDALL, ERIC MARTIN	2,873,550	GERVAIS, JOEL	2,911,624
FEYNMAN, CARL RICHARD	2,764,390	FUCHS ALAMEDA, STEFANIE	2,976,019	GHARIB, HOSSAM MOHAMED	2,983,662
FICKER, JAMES JOSEPH	2,783,431	FUCHSS, THOMAS	2,809,553	GHERSIN, MURIEL	2,839,453
FIEBIG, KEVIN M.	2,833,008	FUJIKURA LTD.	2,960,325	GHESHMI, SIAVASH	3,006,312
FIEDLER, THOMAS	2,824,322	FUJIMORI, YOSHIE	2,847,549	GIBBONS, IAN	2,719,625
FIELDS, BRIAN	2,838,959	FUJIOKA, TSUYOSHI	2,969,727	GIBSON, DANIEL J.	2,764,775
FIGINI, ATTILIA	2,813,563	FUJIOKA, TSUYOSHI	2,969,737	GIDDENS, ANNA CLAIRE	2,987,503
FIKE CORPORATION	2,835,673	FUJIOKA, TSUYOSHI	2,969,747	GIENGIEL, WOJCIECH	2,872,896
FILIATRAULT, GUY	2,746,747	FUJIOKA, TSUYOSHI	2,969,752	GIESE, WILLIAM R.	2,812,595
FILIATRAULT, STEPHANE	2,746,747	FUJIWARA, KIYOSHI	2,972,132	GIFFORD, HANSON S., III	2,780,608
FILIPPOV, ANDREY V.	2,989,478	FUJIWARA, KIYOSHI	2,972,134	GILARDI, RAFFAELE	2,807,691
FINCK, WILLIAM	2,798,922	FUKADA, KIYOSHI	2,807,954	GILEAD CONNECTICUT, INC.	2,919,522
FINCO, ORETTA	2,811,305	FUKAYA, SATOSHI	2,927,817	GILER, ERIC R.	2,738,654
FIGRELLO, RON	2,738,654	FUKUI, YOKO	2,847,549	GILL, ROBERT P.	2,960,251
FISCHER, BERNHARD	2,875,749	FUKUOKA, MASAYOSHI	2,782,280	GILLON, WILLIAM M.	2,949,211
FISCHER, DONALD, A.	2,804,778	FUNG, KAM FAI	2,974,751	GILMAN, DANIEL	2,673,898
FISCHER, HENDRIK	2,875,749	FUNK, WILLIAM E.	2,773,862	GIRITHARAN, KARTHIK	2,835,188
FISCHER-CARNE, PATRICK R.	2,790,453	FUSO PHARMACEUTICAL INDUSTRIES, LTD.	2,748,011	GIROUDIERE, FABRICE	2,788,469
FIVES FCB	2,855,958	FYZIOLOGICKY USTAV AV CR, V.V.I.	2,957,906	GIROUX, RICHARD LEE	2,937,095
FLESCH, THIERRY	2,825,648	GABRIELE, ANDREA	2,938,967	GISLER, SCOTT WILLIAM	2,961,637
FLEURY, MAXIME J. J.	2,795,906	GABRIELSSON, ELIN	2,915,225	GITTINGS, DARIN	2,827,034
FLEUTE-SCHLACHTER, INGO	2,798,654	GAGNER, MICHEL	2,911,795	GLIJER, DAVID	2,949,340
FLICK, JEAN-MARC	2,822,728	GAGNON, RICHARD	2,962,809	GLUNZ, CLINT D.	2,853,640
FLINT HILLS SCIENTIFIC, LLC	2,802,694	GAJJI, BHARGAV	2,921,779	GLYCOTOPE GMBH	2,768,888
FLORES, JAIME ANTONIO, JR.	2,786,355	GALINDO, KAY A.	2,973,692	GNEPF, SILVIO	2,967,833
FLSMIDTH A/S	3,010,091	GAMAGE, SWARNALATHA AKURATIYA	2,987,503	GODAGER, OIVIND	2,825,092
FLUHRER, ROBERT W.	2,805,389	GAMARRA, RANDY S.	2,855,194	GOEPFERT, ULRICH	2,701,646
FLUID HANDLING LLC	2,918,984	GANAME, DANNY	2,827,172	GOESSENS, WILHELMUS HUBERTUS FRANCISUS	2,808,485
FLURI, DANIEL	2,819,486	GANDELMANN, OLGA	2,765,406	GOGGIO S.P.A.	2,851,748
FMC CORPORATION	2,808,010	GANSERT, JENNIFER LORRAINE	2,868,000	GOGGIO, FRANCO	2,851,748
FMC TECHNOLOGIES, INC.	2,952,803	GANU, SHIRISH MADHAV	2,926,053	GOHR, JEFFREY S.	2,814,609
FOITZIK, RICHARD CHARLES	2,827,172	GARCIA VACAS, FRANCISCO	2,966,158	GOLEBIOWSKI, ADAM	2,852,685
FOLD-DA-TANK COMPANY	2,944,939	GARCIA, ARIEL	2,756,540	GOLETZ, STEFFEN	2,768,888
FONSECA ZEPEDA, GABRIELA EUGENIA	2,919,319	GARCIA-LEINER, MANUEL A.	2,812,758	GOMADAM, KARTHIK	2,921,033
FONSECA ZEPEDA, GABRIELA EUGENIA	2,919,320	GARDNER, BROCK ROBERT	2,947,219	GOMEZ, MARK	2,818,604
FONTECCHIO, ADAM K.	2,946,367	GARFIELD, ALEXANDER NATHAN	2,873,550	GONZALES, LEO	2,855,907
FORCE, RANDALL, L.	2,804,778	GASPARI, ROBERTO	2,948,706	GOODMAN, PHILLIP M.	2,794,954
FORSTER, ERIC	2,915,923	GASTELUM, RODOLFO	2,814,113	GOOGLE LLC	2,874,652
FOSSEY, VALERIE	2,834,452	GATZWEILER, ELMAR	2,809,487	GOOGLE LLC	2,949,054
FOSTER, KEITH	2,727,082	GAULTNEY, LAWRENCE DOKA	2,808,010	GOOGLE TECHNOLOGY HOLDINGS LLC	2,989,356
FOX, DANIEL N.	2,797,122	GAUTAM, ABHISHEK	2,967,234	GOPARAJU, VENKATA RAMA RAO	2,948,920
FRANK, CARL	2,797,243	GAVILLET, GILLES	2,786,959	GOTO, KUNIO	2,947,536
FRANKE, ALOIS J.	3,017,840	GAZEAU, JAMES	2,826,470	GOVARI, ASSAF	2,756,540
FRANKE, MANFRED	2,876,297	GAZTRANSPORT ET TECHNIGAZ	2,826,470	GOVARI, ASSAF	2,762,201
FRANSEN, ROBERT A.	2,821,290	GE LIGHTING SOLUTIONS, LLC	2,948,983	GPCP IP HOLDINGS LLC	2,831,298
FRANZ, MANUEL	2,944,263	GE, HAO	2,839,374	GRAF, ROBERT NICHOLAS	2,961,637
FRANZRAHE, HARALD	2,810,723	GEBR. SCHMID GMBH	2,778,207	GRANDI, GUIDO	2,811,305
FRASCH, CARL E.	2,948,114			GRAUVOGL, MICHAEL	2,977,807
FRASHURE, TIMOTHY J.	2,766,759			GRAVELEAU, NADEGE	2,802,132
FRAUENSCHUH, ACHIM	2,784,278				
FREELAND, RILEY S.	2,989,478				
FREESE, ROBERT P.	2,883,250				

**Index des brevets canadiens délivrés
26 février 2019**

GRAVESON, IAN	2,828,980	HALLIBURTON ENERGY SERVICES, INC.	2,962,366	HELMHOLTZ ZENTRUM MUNCHEN DEUTSCHES FORSCHUNGSZENTRUM FUR GESUNDHEIT UND UMWELT (GMBH)	2,853,109
GRAZIANO, ROBERT	2,553,946	HALLIBURTON ENERGY SERVICES, INC.	2,971,847	HEMLEY, CATHERINE FAE	2,827,172
GREEN, COLIN	3,014,893	HALLIBURTON ENERGY SERVICES, INC.	2,973,692	HENDRY, FNU	2,930,336
GREEN, JAMES M.	2,766,982	HALLIBURTON ENERGY SERVICES, INC.	2,983,662	HENKEL AG & CO. KGAA	2,752,791
GREIWE, PETER	2,830,778	HALLIBURTON ENERGY SERVICES, INC.	2,979,887	HENRY, JAMES	2,911,624
GREVIOUS, TODD	2,899,499	HALLIBURTON ENERGY SERVICES, INC.	2,953,748	HENRY, JAMES W.	2,866,050
GRIFFIN, JASON	2,933,167	HALLIBURTON ENERGY SERVICES, INC.	2,758,546	HERAEUS DEUTSCHLAND GMBH & CO. KG	2,976,019
GRIGSBY, JOSEPH SCOTT	2,839,453	HALLIWELL, BRIAN	2,760,196	HERAEUS MEDICAL GMBH	2,963,554
GRILLOT, ANNE-LAURE	2,824,516	HALLMARK CARDS, INCORPORATED	2,874,319	HERBER, ANDREAS	2,970,190
GRIMME		HALPERIN, JOSE A.	2,854,547	HERMEY, ANDREAS	2,870,756
LANDMASCHINENFABRIK GMBH & CO. KG	2,798,287	HAMBURGER, AGNES EVA	2,838,305	HERNANDEZ, FRANCISCO J. V.	2,748,752
GRISOSTOMI, CORINNA	2,816,406	HAMILTON, MARK A.	2,793,989	HERNANDEZ, HECTOR JAVIER	2,553,946
GRIVEI, EUSEBIU	2,807,691	HAMMACHER, HEINZ-PETER	2,981,480	HERNANDEZ, MARTHA	2,779,557
GROEL, MICHAEL	2,838,903	HAMMERER ALUMINIUM INDUSTRIES EXTRUSION GMBH	2,894,069	HERSCHKOVITZ, YOAV	2,709,517
GROENEWALD, EUGENE	2,993,932	HAMMERSTROM, DONALD J.	2,976,643	HERSHBERG, ROBERT M.	2,860,702
GROSS, STEFFEN	2,830,138	HAMMING, JOHN	2,930,939	HESS, CHRISTOPHER J.	2,960,251
GROTKOWSKI, MIROSLAW MAREK	2,718,819	HAN, JUN	2,801,011	HESSE, PASCAL	2,919,319
GROVER, DAVID	2,826,616	HANLON, MATTHEW J.	2,857,331	HESSE, PASCAL	2,919,320
GUDEWER, WILKO	2,872,896	HANSEL, COLIN P.	2,839,968	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	2,751,918
GUILD, BRAYDON CHARLES	2,732,782	HANSEN, JON MILTON	2,884,437	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	2,751,926
GUILLEY, SYLVAIN	2,750,358	HARDER, CRAIG	2,830,468	HEXCEL COMPOSITES LIMITED	2,793,944
GUILLOUX, CYRIL	2,775,941	HARFENSTELLER, MARK	2,850,500	HEXCEL CORPORATION	3,017,834
GUNJIMA, KOSHI	2,830,138	HARR, JAMES M.	2,920,783	HIGGINS, SEAN	2,967,594
GUPTA, SIDHANT	2,799,382	HARR, JOAKIM	2,976,901	HILBUSH, MARK	2,798,791
GURTNER, GEOFFREY C.	2,827,034	HARRALL, SIMON J.	2,738,669	HILL, DAVID JOHN	2,819,091
GUSTAVSON, MARK	2,596,204	HARRIS, CODY GLENN	2,919,900	HILL, GENE	2,835,673
HAARLEMMER, GEERT	2,805,733	HARRIS, RICHARD	2,853,640	HIRASAWA, KAZUAKI	2,793,052
HADA, KAZUHISA	2,970,594	HARRIS, RICHARD G.	2,875,500	HIRSCH, OLIVER	2,842,044
HADANI, RONNY	2,955,827	HARRIS, THOMAS	2,996,947	HITACHI ZOSEN INOVA AG	2,961,423
HAEUSER-HAHN, ISOLDE	2,809,487	HARRIS, THOMAS J.	2,951,220	HO, MICHAEL	2,716,072
HAFEZI, HOOMAN	2,792,224	HART, JARROD	2,919,319	HOEGENAUER, KLEMENS	2,802,132
HAGER, MARTIN	2,977,807	HARTSHORN, CRISTINA	2,919,320	HOEGH, GUSTAV	2,764,612
HAINES, MARIE-CLAIRE	2,830,079	HARVILL, YOUNG	2,834,233	HOESCHEN, CHRISTOPH	2,853,109
HAJI BEGLI, ALIREZA	2,955,422	HASCHICK, ROBERT	2,949,054	HOFFMAN, MARTIN	2,955,780
HALL, KATHERINE L.	2,738,654	HASCHICK, ROBERT	2,926,579	HOFMANN, TODD	2,931,729
HALLAI, JULIAN DE FREITAS	2,977,364	HASHIMOTO, MITSUO	2,743,127	HOHMANN, RONALD P., JR.	2,895,059
HALLIBURTON ENERGY SERVICES, INC.	2,883,250	HASSAM, AMEENA	2,814,113	HOLBROOK, ERIC D.	2,826,440
HALLIBURTON ENERGY SERVICES, INC.	2,884,854	HASSANZADEH, AMIN	2,827,621	HOLLEY, DAVE	2,774,533
HALLIBURTON ENERGY SERVICES, INC.	2,912,192	HASSON, ROBERT	2,803,483	HOLLINGWORTH, GREGORY	2,802,132
HALLIBURTON ENERGY SERVICES, INC.	2,915,722	HATHERILL, MARK A.	2,989,478	HOLMES, ELIZABETH A.	2,719,625
HALLIBURTON ENERGY SERVICES, INC.	2,920,783	HATTORI, SHINOBU	2,937,095	HOLMES, IAN PETER	2,827,172
HALLIBURTON ENERGY SERVICES, INC.	2,921,779	HAVKRAFT AS	2,819,712	HOLMES, LEWIS	2,952,803
HALLIBURTON ENERGY SERVICES, INC.	2,930,399	HAWTOF, DANIEL W.	2,805,389	HOLTZ, STEPHEN ROBERT	2,933,468
HALLIBURTON ENERGY SERVICES, INC.	2,933,468	HAYES, MICHAEL	2,814,609	HOLVERSON, TODD E.	2,812,595
HALLIBURTON ENERGY SERVICES, INC.	2,943,594	HAYNES, BRIAN SCOTT	2,825,143	HONDA MOTOR CO., LTD.	2,970,594
HALLIBURTON ENERGY SERVICES, INC.	2,946,847	HAZZARD, JOEL	2,814,848	HONDA PATENTS & TECHNOLOGIES NORTH AMERICA, LLC	2,814,015
HALLIBURTON ENERGY SERVICES, INC.	2,958,465	HB PERFORMANCE SYSTEMS, INC.	2,802,132	HONEYWELL INTERNATIONAL INC.	2,835,188
HALLIBURTON ENERGY SERVICES, INC.	2,960,269	HE, ZUNQING	2,760,196	HONG, FEI	2,710,862
HALLIBURTON ENERGY SERVICES, INC.	2,961,174	HEADLEY, DARRAN MATTHEW	2,827,437	HONG, KINMAN	2,827,034
		HEBACH, CHRISTINA	2,937,095		
		HECHT, RANDY IRA	2,829,421		
		HEDIGER, HANS	2,809,487		
		HEIDECKE, KARSTEN	2,727,936		
		HEIDELBERG PHARMA GMBH	2,867,900		
		HEINEMANN, INES			
		HELK, BERNHARD			
		HELLEWELL, MATTHEW R.			

Index of Canadian Patents Issued February 26, 2019

HONG, SUNGRYONG	2,931,501	INOUE, TAKU	2,954,028	JIMENEZ GARCIA, JAVIER	2,841,041
HONG, SUNGRYONG	2,951,010	INPEX CORPORATION	2,831,737	JIMENEZ, EDUARDO	2,756,540
HONG, SUNGRYONG	2,951,012	INSERM, INSTITUT		JIN, XIAOMING	2,806,920
HOOFF, GERO PETER	2,808,485	NATIONAL DE LA SANTE		JING, XUAN	2,819,133
HORSKY, GIL	2,924,999	ET DE LA RECHERCHE		JIZODO, MAKOTO	2,969,504
HOSKEN, NANCY ANN	2,860,702	MEDICALE	2,795,906	JOHANSSON, JAN	2,976,901
HOSMANE, SUNEIL	2,964,310	INSTITUT CURIE	2,802,463	JOHNSON CONTROLS	
HOU, BIN	2,943,130	INSTITUT PASTEUR	2,800,316	TECHNOLOGY	
HOU, KIRK	2,896,834	INSTITUT TELECOM-		COMPANY	2,845,520
HOUBART, MICHEL	2,848,936	TELECOM PARIS TECH	2,750,358	JOHNSON, BENJAMIN A.	2,834,070
HRUBY, DENNIS E.	2,793,533	INTELLIGENT SYNTHETIC		JOHNSON, MARK	2,738,669
HU, LILI	2,821,999	BIOLOGY CENTER	2,962,201	JOHNSON, MARK	2,976,901
HUANG, LIGANG	2,837,054	INTENT IQ, LLC	3,022,437	JOHNSON, NOEL L.	2,864,391
HUANG, XIZHONG	2,868,000	INTERMETRO INDUSTRIES		JOHNSTON, ANTHONY	
HUAWEI TECHNOLOGIES		CORPORATION	2,976,407	MATTHEW	2,819,712
CO., LTD	2,837,054	INTERROLL HOLDING AG	2,972,523	JOHNSTON, CURTIS F.	2,673,205
HUAWEI TECHNOLOGIES		IOL INNOVATIONS APS	2,736,784	JOHNSTONE, STEPHEN	2,727,082
CO., LTD.	2,965,715	IPSEN BIOINNOVATION		JOLIDON, SYNESE	2,829,170
HUBER, TOBIAS	2,922,030	LIMITED	2,727,082	JOLIDON, SYNESE	2,829,171
HUDSON, RICHARD E.	2,766,982	IRAQUI-HOUSSAINI, AMINE	2,881,284	JONCKERS, TIM HUGO	
HUGHES, BRADLEY E.	2,766,982	IRWIN, JAMES P.	2,834,070	MARIA	2,821,999
HUNT, NEIL D.	2,792,906	ITM ISOTOPEN		JONES, DAVID LEONWILL	2,971,847
HUNTER, SUSAN	2,797,122	TECHNOLOGIEN		JONGPAIBOONKIT,	
HUNTING TITAN, INC.	2,933,439	MUNCHEN AG	2,839,968	LEENAPORN	2,740,633
HUSQVARNA AB	2,824,577	ITO, NAOTO	2,960,325	JOSHI, ASHWIN SHARAD	2,926,053
HUTCHINS, VIRGINIA		ITRON, INC.	2,984,679	JOSHI, SANJAY PRAKASH	2,926,053
TZUNG-HWEI	2,895,089	IWAMA, MARIE	2,831,737	JU, SANG A.	2,968,003
HUTCHINSON INDUSTRIES,		IWAMOTO, SHINYA	2,946,822	JUKL, THOMAS	2,838,305
INC.	2,915,923	IWAMOTO, SHINYA	2,948,361	JUNG, HOECHUL	2,841,252
HUTCHINSON, MARK	2,829,318	IWAMOTO, TADASHI	2,997,365	JUNTERMANN, PAUL	2,933,882
HUTCHISON, JAMES	2,792,224	IYER, RAMKRISHNAN		JURSITZKY, HARALD	2,832,207
HWANG, CHARLES	2,747,521	RAMACHANDRAN	2,829,785	JUUL, BJARNE	2,802,934
HWANG, JIN KYU	2,968,003	JAASKELAINEN, MIKKO	2,915,722	JX NIPPON OIL & ENERGY	
HYNES, RONALD CARL	2,958,205	JABER, NABIL	2,840,342	CORPORATION	2,793,052
HYNNA, KAI MICHAEL	2,985,221	JACKELS, HANS ADOLF	2,894,669	JX NIPPON OIL & ENERGY	
ICHIHASHI, FUMITAKA	3,017,834	JAESCHKE, GEORG	2,829,170	CORPORATION	2,831,737
IDORSIA		JAESCHKE, GEORG	2,829,171	KABACINSKI, ANDRE F.	2,976,407
PHARMACEUTICALS LTD	2,816,406	JAGOW, SCOT	2,968,181	KABALNOVA, LIOUBOV	2,737,764
IERULLI, JOSEPH	2,820,896	JAHN, ULLRICH	2,957,906	KAGEYAMA, KAZUHIRO	2,878,175
IFP ENERGIES NOUVELLES	2,788,469	JAIN, ANJANA	2,807,483	KAGEYAMA, KAZUHIRO	3,015,058
IFP ENERGIES NOUVELLES	2,842,335	JALLOUL, SAMER	2,840,342	KAJANTO, ISKO	2,811,380
IGUS GMBH	2,870,756	JAMEEL, FERDZ	2,742,328	KAJIGAYA, SUGURU	2,913,868
IHLE, DARRIN R.	2,826,440	JAMES, ADAM GRAHAM	2,717,124	KALBFLEISCH, ALAN PAUL	3,014,084
ILLINOIS TOOL WORKS INC.	2,812,595	JANNARD, JAMES H.	2,981,480	KALJUNEN, MARKKU	2,835,032
ILLINOIS TOOL WORKS INC.	2,817,580	JANSSEN SCIENCES IRELAND		KALMBACH, DIRK	2,970,190
ILTIS, XAVIERE	2,839,251	UC	2,821,999	KALVERKAMP, KLEMENS	2,798,287
IMERYS GRAPHITE &		JANZER, ROLF	2,831,436	KALYANASUNDARAM,	
CARBON SWITZERLAND		JAPAN OIL, GAS AND		SANJAY	2,823,817
LTD.	2,807,691	METALS NATIONAL		KAMACHI, FUMITAKA	3,000,237
IMERYS OILFIELD		CORPORATION	2,831,737	KAMATH, HUNDI	
MINERALS, INC.	2,875,500	JAPAN PETROLEUM		PANDURANGA	2,824,468
IMPERIAL OIL RESOURCES		EXPLORATION CO., LTD.	2,831,737	KAMEI, SHIN	2,969,504
LIMITED	2,762,439	JAPAN TOBACCO INC.	2,947,135	KAMINSKI, DOUGLAS J.	2,976,407
IMPERIAL OIL RESOURCES		JAYARAMAN, MUTHUSAMY	2,743,136	KANEKO, YOUHEI	2,994,510
LIMITED	2,762,451	JEANNIN, LAURENT	2,727,693	KANELLOPOULOS,	
IMPERIAL PIPE SERVICES,		JELICIC, ALEKSANDRA	2,919,319	VASILEIOS	2,983,423
LLC	2,904,609	JELICIC, ALEKSANDRA	2,919,320	KANG, JI IN	2,962,201
INAGE, TAICHI	2,913,868	JENNINGS, MICHAEL	2,921,718	KANG, NORBERT	2,830,079
INDEXATOR ROTATOR		JFE STEEL CORPORATION	2,807,954	KANG, SANG-HWAN	2,841,252
SYSTEMS AB	2,830,468	JFE STEEL CORPORATION	2,944,403	KANG, SUNG WOO	2,719,147
INEOS BIO SA	2,832,554	JI, MIN KOO	2,852,685	KANKAINEN, MATTI	2,750,576
INFAC ELECS CO., LTD.	2,968,003	JI, TAO	2,845,426	KANUMURI, SANDEEP	2,900,863
INGBER, GAL	2,774,533	JIANG, HAIBIN	2,881,474	KAPRAS, VOJTECH	2,957,906
INO, TAKASHI	2,855,194	JIANG, SONGCHUN	2,875,966	KARALIS, ARISTEIDIS	2,738,654

**Index des brevets canadiens délivrés
26 février 2019**

KARAVAS, EVANGELOS	2,876,739	KING, RAY	2,793,130	KREUZINGER, MICHAEL	2,955,726
KARCHI, HAGAI	2,709,517	KING, WALTER	2,916,808	KRISHNAMMAGARU, DHARMESH	2,751,918
KARIA, NIMESH PRATAPBHAI	2,918,984	KINGSLEY, JEFFREY	2,751,736	KRONER, CHRISTINE	2,955,422
KARLSON, JAN ROGER	2,797,901	KINSEY, MICHAEL WAYNE	2,895,089	KRUEGER, MICHAEL	2,858,207
KARNBACH, ROBERT S.	2,790,453	KINTNER-MEYER, MICHAEL C.W.	2,793,989	KUAKINI MEDICAL CENTER	2,733,597
KARSCHNIA, ROBERT	2,784,389	KINZEL, KLAUS, PETER	2,848,936	KUBE, OLIVER	2,954,520
KARSTEN, UWE	2,768,888	KIRKHOPE, KENNEDY JOHN	2,962,366	KUDOVA, EVA	2,957,906
KASTURI, UDAYASHANKAR BANGALORE	2,860,585	KIRKPATRICK, ALLEN R.	2,853,639	KUINDERSMA, MICHAEL	2,751,918
KATO, TOMOTAKE	2,913,868	KIRKPATRICK, SEAN R.	2,853,639	KUINDERSMA, MICHAEL	2,751,926
KAUFFMANN, HARALD	2,932,094	KIRLOSKAR ENERGEN PRIVATE LIMITED	2,926,053	KULESA, JOHN E.	2,888,060
KAUFMAN, MICHAEL C.	2,863,918	KITAHARA, YUZURU	2,748,011	KULIKOWSKI, KONRAD J.	2,738,654
KAULGUD, VIKRANT S.	2,936,732	KITTEL, THOMAS	2,948,706	KUO, CHIA-SHIN	2,972,335
KAWAI, YOSUKE	2,928,787	KLAUSING, THOMAS A.	2,774,533	KUO, YU-FENG	2,972,335
KAYSER, VEYSEL	2,727,936	KLEIN, ROLF-DIETER	2,853,109	KURS, ANDRE B.	2,738,654
KEELAPANDAL RAMAMOORTHY, SHANKARA NARAYANAN	2,919,319	KLETT, JAMES W.	2,826,141	KUTNICK, ROBERT	2,951,220
KEELAPANDAL RAMAMOORTHY, SHANKARA NARAYANAN	2,919,320	KLUGE, THOMAS	2,963,554	KWOK, SUI YI	2,841,445
KELDERMAN, ERIK	2,925,813	KNEBL, JURGEN	2,838,903	KWON, WOOSUK	2,931,501
KELLER, MARTIN	2,824,586	KNICKREHM, GLENN	2,948,457	KYLLINGSTAD, AGE	2,816,485
KELLNER, WILLIAM J.	2,948,182	KNOETGEN, HENDRIK	2,701,646	KYOTO UNIVERSITY	2,772,767
KELLY, JOHN F., III	2,919,900	KNUEPFER, BERND	2,948,706	LA GAMBA, LUCA	2,851,748
KELSEY, ROBERT B.	2,928,872	KO, CHING-WHAN	2,832,554	LABEQUE, REGINE	2,938,967
KELSO, BRYAN	2,998,001	KO, WOOSUK	2,931,501	LAFLAMME, BENOIT	2,908,249
KEMNITZ, CARSTEN	2,948,706	KO, WOOSUK	2,951,010	LAFORTUNE, JAMES	2,928,872
KEMP, TIMOTHY MICHAEL	2,719,625	KO, WOOSUK	2,951,012	LAHOOD, JAMES ROBERT	2,851,416
KENNY, ANDREW JOHN	2,788,967	KOBAYASHI, YOSHIO	2,913,868	LAHOOD, JAMES ROBERT	2,851,422
KEOSHKERIAN, BARKEV	2,945,805	KOCH AGRONOMIC SERVICES, LLC	2,932,067	LAHOOD, JAMES ROBERT	2,857,331
KEPPLINGER, BERTHOLD	2,681,822	KOCH-GLITSCH, LP	2,814,848	LAINÉ, JANNE	2,811,380
KERANEN, OLLI	2,954,317	KOEHN, ARNIM	2,809,487	LALI, ARVIND MALLINATH	2,937,077
KERN, ANDREAS	2,936,733	KOERNER, CHARLES JAMES	2,819,695	LAMBERTH, CLEMENS	2,879,760
KERTIS, ROBERT CODY	2,801,011	KOHN, JOACHIM	2,737,764	LAMMERS, SHAWN D.	2,766,759
KESLER, MORRIS P.	2,738,654	KOHN, JOACHIM	2,777,234	LANCON, FRANCK	2,843,828
KESSELBERG, JAKOB	2,914,772	KOIKE, TOMOYUKI	2,985,749	LAND, PETER JARRED	2,981,480
KESSLER, ARND	2,752,791	KOISHI, AKIFUMI	2,985,749	LANDON, JOHN	2,782,639
KETCHEM, RANDAL R.	2,778,112	KOIZUMI, SHINICHI	3,000,237	LANGE, GUSTAV EDWARD	2,962,366
KEY TECHNOLOGY, INC.	2,993,932	KOJIMA, KATSUMI	2,944,403	LANGE, JOSEPHUS HUBERTUS MARIA	2,925,813
KEYSER, YORK	2,934,058	KOKKO, PEKKA	2,835,032	LANGENS, ACHIM	2,933,882
KHAMAR, BAKULESH MAFATLAL	2,824,417	KOLLAR, HANS JURGEN	2,831,436	LANGLOTZ, BJORN	2,919,320
KHARCHENKO, ANDRIY	2,762,312	KOLON TISSUEGENE, INC.	2,719,147	LANTING, TREVOR MICHAEL	2,738,669
KHOKAR, NANDAN	2,822,420	KONTOS, CHRISTOPHER THEODORE	2,759,485	LANXESS DEUTSCHLAND GMBH	2,834,073
KHURANA, RAHUL	2,961,637	KOPER, OLGA B.	2,824,586	LAPLACE, JEAN MICHEL	2,972,523
KIDDLE, GUY	2,765,406	KOPETZKI, ERHARD	2,701,646	LARA, RAFAEL	2,769,237
KIEFER, MATTHIAS	2,785,616	KORBER, KARSTEN	2,830,138	LARSEN, COBY C.	2,889,241
KIEHTREIBER, PERRY	2,894,105	KOREA INSTITUTE OF INDUSTRIAL TECHNOLOGY	2,794,962	LARSON, BETH A.	2,821,330
KILGORE, KEVIN L.	2,876,297	KOUKHAREVA, INNA	2,725,239	LASSALLE, GILBERT	2,834,452
KIM, HO MIN	2,962,201	KOUTRIS, EFTHIMIOS	2,876,739	LASTIWKA, MARTIN	2,902,548
KIM, HUN-TAEK	2,841,252	KPR U.S., LLC	2,884,437	LATURELL, DON	2,937,821
KIM, JAE-SUN	2,841,252	KRALOVEC, JAROSLAV A.	2,694,492	LAU, SZE HANG	2,841,445
KIM, SHAE K.	2,794,962	KRAMER, GERHARD	2,965,763	LAUDO, JOHN S.	2,774,533
KIM, SUN CHANG	2,962,201	KRANVCAN, JURGEN	2,838,305	LAUSE, DANICA	2,811,766
KIM, YONG-HYUK	2,841,252	KRASTINS, CRAIG V.	2,930,309	LAUSENHAMMER, MANFRED	2,769,954
KIM, YONG-IN	2,732,782	KRATON CHEMICAL, LLC	2,925,813	LE BERRE, FRANCOIS	2,804,996
KIMTANTAS, CHARLES	2,941,410	KRAUSSLER, WOLFGANG	2,842,044	LE BERRE, FRANCOIS	2,805,010
KIMURA, HIROYUKI	2,772,767	KREBS, DOUGLAS W.	2,812,595	LE CAM, LIONEL	2,881,284
KINAGE, AMOL	2,835,188	KREIDLER, MARC	2,792,224	LE MAOULT, JOEL	2,764,649
KING, CREIGHTON	3,012,172	KREIN, WILLIAM T.	2,949,211	LE MORVAN, CHRISTOPHE	2,809,490
		KREUTZER, DEBRA J.	2,825,723	LE ROSSIGNOL, BENOIT	2,915,923
		KREUZER, CARSTEN HEINRICH	2,894,669	LE TIRAN, ARNAUD	2,824,516
				LE VEZOUET, RONAN	2,830,138
				LE, TUONG THANH	2,937,095
				LEBEDEV, ALEXANDRE V.	2,725,239
				LEBKUCHER, MARK	2,919,319

Index of Canadian Patents Issued February 26, 2019

LECHLER GMBH	2,922,030	LIU, GONGPING	2,894,069	MADSEN, KNUD DAM	
LECLERC, THIBAUT	2,949,340	LIU, JUN	2,938,096	HAGEMAN	2,771,730
LEE, BONG-YONG	2,841,252	LIU, KUN	2,816,798	MAETA, DAISUKE	2,993,379
LEE, CHE-HUNG ROBERT	2,948,114	LIU, LI H.	2,807,215	MAFFEI, OSVALDO	2,803,045
LEE, HYUN JUNG	2,841,252	LIU, LIU	2,825,306	MAGARA, KOICHIRO	2,834,233
LEE, JU YOUNG	2,841,252	LIU, YANG	2,866,096	MAGNA CLOSURES INC.	2,759,485
LEE, KWAN HEE	2,719,147	LIVINGSTON ENTERPRISES		MAGNA SEATING INC.	2,902,365
LEE, RYAN	2,952,628	LLC	3,014,806	MAGUIRE, YAEL	2,904,643
LEE, TAMMY KEE-WAI	2,985,221	LIVINGSTON, ANTONY	3,014,806	MAIER, MARTIN	2,743,136
LEGROS, YVON	2,962,809	LIZAUCKAS, ANTHONY L., III	2,948,182	MAINX, HANS-GEORG	2,798,654
LEICHTNER, ROBERT	2,972,224	LO, YUK-MING DENNIS	2,694,007	MAIONE, DOMENICO	2,811,305
LEIGH, JAMES	2,739,688	LOCK RIGHT LLC	3,012,172	MAIR, HANS-JUERGEN	2,818,628
LEININGER, NEIL FRANCIS	2,801,011	LOCKHEED MARTIN		MAJEED, MUHAMMED	2,941,050
LEITER, THOMAS	2,842,044	CORPORATION	2,826,141	MAJZOUB, JOSEPH	2,886,393
LEITNER S.P.A.	2,821,832	LODES, MICHAEL	2,860,702	MANDELL, ROBERT	2,553,946
LEJEUNE, PASCALE	2,693,152	LOESCH		MANINI, PETER	2,813,563
LELAIS, GERALD	2,875,966	VERPACKUNGSTECHNIK		MANISCALCO, NICHOLAS J.	2,812,912
LEMCKE, SOEREN	2,955,824	GMBH	2,854,547	MANKIEWICZ GEBR. & CO.	
LEPPARD, STEVEN ANDREW	2,980,017	LOESCHE GMBH	2,871,074	GMBH & CO. KG	2,907,611
LEQUIPPE, GUILLAUME	2,949,340	LOFFLER, GERHARD	2,955,281	MANOHARAN, MUTHIAH	2,743,136
LEROY, XAVIER	2,816,406	LOFTIN, CALEB S.	2,925,150	MANUEL LAZARO, ANTONIO	2,769,237
LES EQUIPEMENTS		LOGA, THOMAS HENRY	2,939,320	MANUFACTURING	
D'ERABLIERE CDL INC.	2,891,954	LOGAN, AARON W.	2,890,615	RESOURCES	
LESSENE, ROMINA	2,827,172	LOGAN, JUSTIN C.	2,890,615	INTERNATIONAL, INC.	2,849,902
LESSMANN, HANS, JUERGEN	2,848,936	LOGES, SONJA	2,736,929	MARATHE, PRANAV SHAM	2,926,053
LEVAC, ROBBIE D.	2,806,431	LOHMEYER, MANFRED	2,824,074	MARCHAND, SHAWN	2,759,485
LEVEQUE, LOUIS	2,804,996	LOMBARDI, MICHAEL J.	2,989,356	MARCHETTI, FABIO	2,822,110
LEVEQUE, LOUIS	2,805,010	LOMONT MOLDING, INC.	2,797,243	MARCHI, MICHAEL J.	2,819,695
LEVER, PAUL J.A.	2,720,080	LONG, YUN	2,875,966	MARIN, GILDAS	2,779,557
LEVER, SEAN	2,981,480	LONGHINI, DONATO	2,851,748	MARKEY, NIGEL ROBERT	2,921,033
LEVY, DROR SHLOMO	2,754,969	LONGY, JEAN-ETIENNE	2,881,284	MARKS, PHILIP	2,727,082
LEWIS, SAMUEL J.	2,920,783	LOO, TZE MUN	3,000,237	MARQUAIS, THIERRY	2,949,340
LEWIS, SCOTT ALEXANDER	2,842,747	LORENZ, JOERG	2,937,095	MARS, INCORPORATED	2,852,685
LEY, DAVID J.	2,941,258	LORSBACH, BETH	2,797,226	MARSHALL, BRAD E.	2,812,912
LEYE, JOHANN	3,017,840	LOWY, ISRAEL	2,553,946	MARSHALL, KEITH	2,961,637
LG ELECTRONICS INC.	2,931,501	LU, SHULIANG	2,881,474	MARSILJE, THOMAS H., III	2,875,966
LG ELECTRONICS INC.	2,951,010	LU, WENSHUO	2,875,966	MARTIN, BERNARD	2,804,996
LG ELECTRONICS INC.	2,951,012	LUBRIS, LLC	2,771,110	MARTIN, BERNARD	2,805,010
LGC LIMITED	2,615,968	LUCAS, RUDOLF	2,875,749	MARTIN, CHRISTIAN	2,955,780
LI, BEI	2,919,522	LUDWIG, DARCY	2,713,051	MARTIN, DAVID WILLIAM	2,785,616
LI, QIANG	2,738,654	LUDWIN, DORON	2,754,969	MARTIN, TIMOTHY	2,797,226
LI, XIAOQIN	2,825,306	LUFT, MICHAEL RUDOLPH	2,880,318	MARTINES, MANUELA	
LI, YUE-SHENG	2,760,196	LUFT, MICHAEL RUDOLPH	2,880,647	LEONEL	2,748,752
LIBENS, JO	2,833,306	LUI, DOROTHY	2,973,479	MARTINEZ, DAVID	2,774,588
LIBERTY DIVERSIFIED		LUI, DOROTHY	2,976,573	MARX, SEBASTIAN	2,839,968
INTERNATIONAL, INC.	2,989,813	LUIDER, THEO MARTEN	2,808,485	MARY, PASCALINE	2,820,094
LIBURD, GREGORY G.	2,967,234	LUMBATIS, KURT ALAN	2,956,801	MASI, FRANCESCO	2,822,110
LIEVRE, MARCEL	2,919,319	LUMORA LTD	2,765,406	MASON, DAVID ROBERT	2,818,575
LIFE SCIENCES RESEARCH		LUND, LILIYA	2,877,749	MASON, KYLE S.	2,930,939
PARTNERS VZW	2,736,929	LUNNISS, GILLIAN		MASSACHUSETTS INSTITUTE	
LIFECCELL CORPORATION	2,827,034	ELIZABETH	2,827,172	OF TECHNOLOGY	2,727,936
LIM, CHONG SOON	2,819,133	LUPSKI, JAMES R.	2,698,117	MASSMELT LTD	2,811,251
LIM, IVOR JIUN	2,971,062	LURIE, BRANDON A.	2,889,241	MASTERCARD	
LIM, SANG HOON	2,968,003	LUTTMANN, PETER	2,838,903	INTERNATIONAL	
LIN, ZHIQIANG	2,710,862	LUTZ, CHRISTIAN	2,829,421	INCORPORATED	2,958,205
LINDBLOM, THOMAS G.	2,853,640	LYGA, JOHN W.	2,799,223	MASTERS, STEVEN J.	2,889,241
LINDEMANN, LOTHAR	2,829,170	LYUBLINSKI, EFIM YA	2,943,842	MASTERSON, KEVIN	2,952,803
LINDEMANN, LOTHAR	2,829,171	M-I L.L.C.	2,825,796	MATAS, MICHAEL	2,946,879
LINEAR ACOUSTIC, INC.	2,810,396	MACAULEY, MATTHEW	2,807,141	MATHENA, SCOTT K.	2,984,633
LINGVALL, FREDRIK	2,848,924	MACGREGOR, NORMAN J.	2,980,573	MATHUR, NIPUN	2,893,443
LITT, ROBERT DWAYNE	2,719,382	MACHECA, CHRISTOPHER M.	3,014,806	MATSUMOTO, HIROFUMI	2,947,135
LITTELFUSE, INC.	2,673,898	MACK, SANDRA	2,798,654	MATSUMOTO, MICHIIHIKO	2,995,319
LITTLELY, KEITH WILLIAM	2,925,166	MACQUEEN, JEFFREY	2,755,229	MATSUNOBU, TORU	2,807,468
LIU, DEBORAH	2,893,443	MADEC, JONATHAN	2,813,834	MATSUNOBU, TORU	2,834,125

**Index des brevets canadiens délivrés
26 février 2019**

MATSUNOBU, TORU	2,841,055	MERCK SHARP & DOHME		MOORE, TERRY WILLIAM	
MATTAR, BRIGIDE	2,908,249	CORP.	2,816,798	BURTON	2,737,729
MATTSSON, PER-ARNE	2,834,768	MERLIN, SIMONE	2,918,755	MOORLAG, CAROLYN	2,945,805
MATUS, JONATHAN ARIE	3,015,104	MERLING, CONRAD		MORALES, OSVALDO P.	2,947,219
MATYJASZCZYK, MACIEJ		RICHARD	2,948,983	MORANCAY, BASILE	2,881,284
STANISLAW	2,824,586	MERRILL, ZACHARY		MORAND, MICHEL	2,974,663
MAUCHER, JURGEN	2,831,436	ALEXANDER	2,976,643	MORELLI, VINCE	2,713,051
MAUJAN, SULEMAN		MERRITT, MICHAEL A.	2,976,407	MORGAN, RONNIE GLEN	2,920,783
RIYAJSAHEB	2,829,785	MERZ, FRIEDRICH	2,976,539	MORI, TAKEKI	2,993,379
MAURER, SCOTT M.	2,826,141	MESCHKAT, STEPHAN JAMES		MORIGUCHI, TATSUJI	2,994,922
MAYSE, MARTIN L.	2,780,608	ANDREAS	2,949,119	MORONEY, PAUL	2,948,895
MAZITSCHKEK, RALPH	2,886,393	METALLUX SA	2,869,284	MORRELL, MARTIN JAMES	2,949,108
MCALPINE, WARREN W.	2,989,478	METALOGENIA PATENTES,		MORRISON, LARRY E.	2,916,808
MCCANE, STEPHEN BARRY	2,919,802	S.L.	2,841,041	MOSCOW INSTITUTE OF	
MCCLAIN, MARC A.	2,826,440	METALYSIS LIMITED	2,817,351	PHYSICS AND	
MCCLAIN, MARY	2,967,594	METSO MINERALS (FRANCE)		TECHNOLOGY (STATE	
MCCLOUGHAN, KELLEY A.	2,793,533	SA	2,819,387	UNIVERSITY)	2,935,101
MCDLURE, RICHARD L.	2,984,633	METTATH, SASHIKUMAR	2,825,796	MOSELEY, GUY CONWYN	
MCDANIEL, JEFFREY S.	2,719,382	MEZHERITSKY, ALEX	2,943,064	JULIAN	2,842,747
MCDANIEL, THOMAS R.	2,889,241	MHWIRTH AS	2,855,806	MOTOROLA SOLUTIONS, INC.	2,941,258
MCDOWELL, DAVID		MICHAELS, MARK LEO	2,760,196	MOTTIN, JEAN-BAPTISTE	2,825,648
GORDON	2,615,968	MICHELLYS, PIERRE-YVES	2,875,966	MOUSSET, SOAZIC	2,775,941
MCDOWELL, JAMES KERWIN	2,949,866	MICHELSON, SETH	2,719,625	MOVAGHATI, SEPIDE	2,976,573
MCEACHERM, DONNA	2,825,306	MICROPHARM LIMITED	2,782,639	MOZSGAI, GREG ZOLTAN	3,000,694
MCEACHERN, ERNEST J.	2,816,798	MICROSOFT TECHNOLOGY		MPARMPALEXIS,	
MCELGUNN, CATHAL		LICENSING, LLC	2,803,763	PANAGIOTIS	2,876,739
JOSEPH	2,765,406	MICROVENTION, INC.	2,877,954	MTD PRODUCTS INC	2,766,982
MCEVILLY, BRIAN	2,981,480	MIDDELSTADT, FALK	2,908,567	MTU AMERICA INC.	2,965,763
MCEWEN-KING, MAGNUS	2,819,091	MIHARA, HISASHI	2,830,157	MU, CHANGWEI	2,816,798
MCHALE, JAMES	2,826,616	MILES, REBECCA RUTH	2,787,594	MUKKAWAR, GIRISH	
MCHUGH, GABRIEL	2,884,437	MILLER, MATTHEW C.	2,812,150	SUBHASH	2,918,984
MCKIBBEN, JOHN FERNEY	2,930,245	MILLER, MICHAEL J.	2,948,182	MULCHANDANI, SHAAN	2,926,579
MCKINNON, AUSTIN JASON	2,851,315	MILLER, THOMAS J.	2,803,763	MULLER, CHRISTOPH	2,829,421
MCKINNON, AUSTIN JASON	2,961,637	MIMITSUKA, TAKASHI	2,790,919	MULTI-CHEM GROUP, LLC	2,907,379
MCKINSTRY, DAVID	2,955,780	MINCHAU, MICHAEL		MUNCHKIN, INC.	2,814,113
MCMILLON, ROD	2,933,468	CHARLES	2,822,033	MURPHY, BRYAN PATRICK	2,938,967
MCNEILL, MATTHEW H.	2,875,966	MINNICK, DAN J.	2,818,604	MURPHY, MARCUS L.	2,957,289
MCNEILL, PHILIP C.	2,961,637	MINTEER, DAVID W.	2,834,070	MURPHY, WILLIAM L.	2,740,633
MCNEILUS TRUCK AND		MINUS FORTY HOLDINGS		MURRAY, MICHAEL A.	2,960,251
MANUFACTURING, INC.	2,853,640	CORP.	2,782,767	MURRAY, MICHAEL G.	2,787,594
MCRAE, MICHAEL M.	2,996,372	MISALJEVIC, SASA	2,845,520	MYLAN INC.	2,748,496
MEADWESTVACO		MITEK HOLDINGS, INC.	2,895,059	NADAUD, NICOLAS	2,762,312
PACKAGING SYSTEMS,		MITEK HOLDINGS, INC.	2,899,499	NADEAU BEAULIEU, MICHEL	3,000,147
LLC	2,925,150	MITSUBISHI ELECTRIC		NAGABHUSHANAM,	
MEAGHER, JENNIFER LYNN	2,825,306	CORPORATION	3,015,048	KALYANAM	2,941,050
MECKES, RUEDIGER	2,783,462	MIYAHARA, SEIJI	2,782,280	NAGURNY, NICHOLAS J.	2,826,141
MEDERSKI, WERNER	2,809,553	MIYAKOSHI, HITOSHI	2,782,280	NAING, SUE MON THET	2,819,133
MEDTENTIA		MODI, INDRAVADAN		NAIR, RAKESH DAMODARAN	2,835,188
INTERNATIONAL LTD OY	2,954,317	AMBALAL (DECEASED)	2,824,417	NAKAMARU, HIROKI	2,944,403
MEDVINSKY, ALEXANDER	2,948,895	MODI, SHIMON	2,926,579	NAKAYAMA, TSURUO	2,847,549
MEGHPARA, KANTILAL		MOELLER, ACHIM	2,928,240	NAKAZAWA, YOSHIKI	2,953,651
BRIJESHKUMAR	2,918,984	MOERI, PETER	2,786,959	NALCO COMPANY	2,877,749
MEI PHARMA, INC.	2,987,503	MOHAMATH, RAODOH	2,860,702	NANOSCALE MATERIALS,	
MEISLER, MIRIAM	2,698,117	MOHEDAS, SERGIO	2,879,351	INC.	2,824,586
MEJIA-QUINCHIA, CARLOS		MOLD-MASTERS (2007)		NANOWAVE TECHNOLOGIES	
ANDRES	2,838,959	LIMITED	2,769,954	INC.	2,912,799
MELANSON, BERNIE	2,909,758	MOLENAAR, MENNO		NARAYANANNAIR,	
MENARINI INTERNATIONAL		MATHIEU	2,819,091	JAYAPRAKASH K.	2,743,136
OPERATIONS		MOLRINE, DEBORAH	2,553,946	NASH, BRADY	2,938,096
LUXEMBOURG S.A.	2,842,747	MOLZ, RONALD J.	2,860,787	NATALE, TERRY ALAN	2,943,842
MENG, CHEN YUAN	2,965,164	MONAGHAN, ROBERT	2,924,999	NATIONAL CHRISTMAS	
MERAT, FRANK L.	2,766,982	MONDELEZ UK R&D LIMITED	2,924,999	PRODUCTS, INC.	2,996,372
MERCK PATENT GMBH	2,747,937	MOON, KYOUNGSOO	2,931,501	NATIONAL OILWELL VARCO	
MERCK PATENT GMBH	2,809,553	MOORE, JAMES WILSON	2,933,468	NORWAY AS	2,816,485

Index of Canadian Patents Issued February 26, 2019

NATIONAL UNIVERSITY CORPORATION		NISHIOKA, HIROMASA	2,972,132	OKUMURA, TAKAKO	3,000,237
HOKKAIDO UNIVERSITY	2,748,011	NISHIOKA, HIROMASA	2,972,134	OLDSSEN, DEREK	2,928,872
NAVARRO PEREZ, FRANCISCO EZEQUIEL	2,966,158	NISSAN MOTOR CO., LTD.	2,878,175	OLSEN, THOMAS	2,736,784
NAWATHYE, VIKAS VASANT	2,829,785	NISSAN MOTOR CO., LTD.	2,985,749	OLSON, JESSICA E.C.	2,930,309
NAYLOR, GARETH IAN	2,919,319	NISSAN MOTOR CO., LTD.	2,993,499	OMIDVAR, FATANEH	2,792,224
NBC MESHTEC, INC.	2,847,549	NISSAN MOTOR CO., LTD.	2,994,510	ONISCHKE, MARK	2,751,918
NEAL, DANIEL R.	2,748,282	NISSAN MOTOR CO., LTD.	2,995,319	ONISCHKE, MARK	2,751,926
NEC CORPORATION	2,994,922	NISSAN MOTOR CO., LTD.	2,997,365	ONO, MASAHIRO	2,772,767
NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPP		NISSAN MOTOR CO., LTD.	3,015,058	ONXEO	2,802,463
ELIJK ONDERZOEK TNO	2,813,642	NITSCH, CHRISTIAN	2,752,791	OOMA, INC.	2,949,211
NEGM, WALID	2,926,579	NITZL, GERALD	2,837,888	OPTASENSE HOLDINGS LIMITED	2,819,091
NEILSON, MATT	2,800,467	NIXON, MARK	2,784,389	OPTICAL CABLE CORPORATION	2,961,920
NELSON, DYLAN	2,793,533	NOBLANC, OLIVIER	2,915,923	OSADA, TOSHIHIRO	2,927,817
NELSON, YVES	2,960,613	NODA, YASUNORI	3,015,048	OSATO, KEN	2,960,325
NEMAZEE, DAVID	2,807,141	NOE, OKEY	2,748,496	OSBORNE, GUY	2,909,648
NESSJOEN, PAL JAKOB	2,816,485	NOH, MOON JONG	2,719,147	OSORIO, IVAN	2,802,694
NESTEC S.A.	2,786,959	NOORDANUS, MAXIMILIAAN	2,829,587	OSTREICHER, MARTIN	2,944,263
NETFLIX, INC.	2,792,906	NORDIC MINESTEEL TECHNOLOGIES INC.	2,998,001	OTIENO, PAULINE AKINYI	2,920,783
NETO, FRANCISCO SAVASTANO	2,748,752	NOREIKIS, KEN	2,751,918	OTTENBERG, MATTHIAS J. G.	2,797,122
NEWMAN, LEE A.	2,696,082	NORELL, NEIL N.	2,788,279	OVENTROP GMBH & CO.KG	2,955,281
NEWPARK MATS & INTEGRATED SERVICES LLC	2,949,866	NORRBY, SVERKER	2,725,508	OWEN, W. JOHN	2,797,226
NEWTONOID TECHNOLOGIES, L.L.C.	3,001,220	NORTHERN TECHNOLOGIES INTERNATIONAL CORPORATION	2,943,842	OYAMA, HIROKI	2,814,015
NGUYEN, JOHN DANG	2,869,102	NORTHWOOD MEDICAL INNOVATION LIMITED	2,830,079	OZCAN, UMUT	2,886,393
NGUYEN, PHILIP D.	2,946,847	NOUAILLE-DEGORCE, GILLES	2,848,936	PADUANO, MATTHEW EDWARD	2,952,628
NHK SPRING CO., LTD.	2,913,868	NOVARTIS AG	2,596,204	PAGE, JAMES S.	2,825,723
NHK SPRING CO., LTD.	2,928,787	NOVARTIS AG	2,727,936	PAGE, MATT E.	2,825,723
NIBCO INC.	2,928,872	NOVARTIS AG	2,732,782	PAI, REETAL	2,766,914
NICKELS, PATRICK M.	2,819,695	NOVARTIS AG	2,784,278	PAK DAMAN, ROWCHANAK	2,919,522
NICOVENTURES HOLDINGS LIMITED	2,949,922	NOVARTIS AG	2,802,132	PALDAN, FRANTISEK	2,824,322
NIEDOSTATEK, MARK	2,783,462	NOVARTIS AG	2,811,305	PALKOVITS, REGINA	2,955,422
NIEHUES, PAUL	2,810,723	NOVARTIS AG	2,868,000	PALL CORPORATION	2,886,303
NIHON MEDI-PHYSICS CO., LTD.	2,772,767	NOVARTIS AG	2,875,966	PALLA, VENKATA GOPALA RAO	2,921,779
NIITSUMA, TAKUYA	2,831,737	NOVARTIS AG	2,939,717	PALMER, CHARLES FRANCIS, JR.	2,938,598
NIKAC, MARICA	2,827,172	NOVOMATIC AG	2,880,318	PALMSKOG, GOERAN	2,771,830
NIKOLA, JOACHIM	2,831,436	NOVOMATIC AG	2,880,647	PALOX LIMITED	2,785,616
NIKULA, TUOMO	2,839,968	NOVOZYMES BIOLOGICALS, INC.	2,780,118	PALVA, AIRI	2,750,576
NIND, CHRISTOPHER	2,755,229	NTT DOCOMO, INC.	2,900,863	PALVA, ILKKA	2,750,576
NING, YUHONG	2,788,678	NUVAIRA, INC.	2,780,608	PAMPALONI, GUIDO	2,822,110
NIPPON FILCON CO., LTD.	2,832,017	NUZZOLO, CARLO ANTONIO	2,694,391	PAN, JIE	2,710,862
NIPPON STEEL & SUMIKIN ENGINEERING CO., LTD.	2,831,737	NYFORS, KLAUS	2,983,423	PANTHER, ALEXANDER GYLES	2,973,479
NIPPON STEEL & SUMITOMO METAL CORPORATION	2,947,536	O'DOWD, HARDWIN	2,824,516	PAPANIKOLAOU, GEORGIA	2,876,739
NIPPON STEEL & SUMITOMO METAL CORPORATION	2,953,651	O'HEARN, RYAN	2,875,366	PARAMESWARAN, SATHIYAN	2,798,791
NIPPON TELEGRAPH AND TELEPHONE CORPORATION	2,969,504	O'NEILL, AUSTIN	2,759,485	PARD, JEAN-SEBASTIEN	2,968,183
NISHI, TAKAHIRO	2,807,468	O'NEILL, JASON C.	2,778,112	PARENTO, STEPHEN A.	2,958,205
NISHI, TAKAHIRO	2,819,133	O'NEILL, MICHAEL H.	2,793,533	PARIAS, THOMAS	2,875,500
NISHI, TAKAHIRO	2,834,125	OCEAN POWER TECHNOLOGIES, INC.	2,830,891	PARK, ANTHONY N.	2,792,906
NISHI, TAKAHIRO	2,841,055	OCERA THERAPEUTICS, INC.	2,813,563	PARK, EUISUN	2,841,252
NISHIKAWA, AKIHIKO	2,913,868	OCFEMIA, KIM	2,832,554	PARKER HANNIFIN CORPORATION	2,760,003
		ODANETH, ANNAMMA ANIL	2,937,077	PARKINS, CHRISTOPHER DAVID	2,484,818
		ODELL, ALBERT C., II	2,937,095	PASSE, DAMIEN	2,816,258
		OERLIKON METCO (US) INC.	2,860,787	PASTUREL, MATHIEU	2,839,251
		OETTER, GUENTER	2,785,616	PATEL, DEVANG	2,835,673
		OH, SEJIN	2,931,501	PATEL, MITUL R.	2,989,356
		OHTANI, NAOKO	3,000,237	PATEL, RINKAL	2,766,914
		OKADA, NAOKI	2,960,325	PATEL, SHWETAK N.	2,799,382
		OKADA, SHUUI	2,954,028		
		OKAMOTO, KOTA	2,948,361		

**Index des brevets canadiens délivrés
26 février 2019**

PATHAK, ANUPAM	2,850,138	PMS HANDELSKONTOR		RAMNANI, ROSHNI R.	2,763,627
PAUL WURTH S.A.	2,848,936	GBMH	2,982,538	RANDALL, BRUCE L.	2,919,649
PAUL, DAVID J.	2,855,194	POCARED DIAGNOSTICS		RAO, DEEPALI DAMODAR	2,829,785
PAULSON, JAMES C.	2,807,141	LTD.	2,774,533	RATHGEBER, MARTIN	2,873,550
PAVLU, ROBERT R.	2,953,748	POET RESEARCH, INC.	2,795,501	RATTELADE, BENOIT M.	2,930,064
PAWAR, RAHUL	2,790,453	POHNER, LARS	2,855,806	RAU, NICHOLAS NAVEEN	2,875,366
PAWIS, TORSTEN	2,908,567	POLESELLO, MARIO	2,822,110	RAVIKUMAR, SUNDARAM	2,909,648
PEACH, ROBERT	2,791,395	POLLEY, DAVID	2,964,310	RAVIKUMAR, VIKRAM	2,909,648
PEARCE, CEDRIC J.	2,932,067	POLYMEM	2,839,007	RAY, JOHN MICHAEL	2,961,920
PEARCE, JEREMIAH GLEN	2,829,092	PONZI, DEAN	2,756,540	RAYMOND, THOMAS D.	2,748,282
PEARCE, JEREMY D.	2,826,009	POSI VISIONARY SOLUTIONS		RAYMUNDO, ROBERTITO	2,977,483
PEARCE-HIGGINS, MARK		LLP	2,818,129	RAYTHEON CANADA	
ROBERT	2,788,967	POSNER, MONIQUE		LIMITED	2,884,029
PEDNEKAR, MUKESH		HUMBERT	2,943,842	RAZ, TAL	2,820,094
PRABHAKAR	2,937,077	POSSELT, DIETMAR	2,785,616	READNOUR, CHRISTINE	
PELLETIER, MICHAEL T.	2,883,250	POTTHOFF, MATTHIAS	2,810,723	MARIE	2,895,089
PENG, HUI	2,881,474	POUGET, GAELLE	2,832,085	RED.COM, LLC	2,981,480
PENNY, JACK DANIEL	2,961,845	POULAIN, ISABELLE	2,775,941	REENTS, REINHARD	2,818,628
PEPE, GREGORY	2,948,182	POWERS, WILLIAM S.	2,748,282	REFRACTORY	
PEPTISYNTHA SA	2,727,693	PRATT, RICHARD M.	2,793,989	INTELLECTUAL	
PEREZ SORIA, FRANCISCO	2,841,041	PRAVESH, JAG	2,960,269	PROPERTY GMBH & CO.	
PERGAL, FRANK J.	2,738,654	PREMO, S.L.	2,966,158	KG	2,837,888
PERI GMBH	2,973,046	PRESIDENT AND FELLOWS		REGENTS OF THE	
PERKINELMER HEALTH		OF HARVARD COLLEGE	2,758,546	UNIVERSITY OF	
SCIENCES, INC.	2,837,478	PRESLEY, HARRY	2,849,902	MINNESOTA	2,894,069
PERNER, JUDD J.	2,786,234	PRINSEN, ERIC-JAN	2,983,423	REICHL, MATHIAS	2,853,109
PEROLA, EMANUELE	2,824,516	PRODUITS MATRA INC.	2,868,600	REID, DOUGLAS W.	2,821,954
PERRY, CARL ALLISON	2,829,318	PROTEUS DIGITAL HEALTH,		REIMER, CHRISTOPHER	
PETER, EMMANUELLE	2,762,312	INC.	2,792,224	JACOB	2,884,029
PETERS, MALTE	2,868,000	PROULX MANUFACTURING,		REIPERT, BIRGIT MARIA	2,815,239
PETERS, NILS GUNTHER	2,949,108	INC.	2,846,378	REIS, ARTHUR	2,996,947
PETERSEN, SVEND	2,780,118	PROULX, RICHARD A.	2,846,378	RENILI, FILIPPO	2,822,110
PETIT, MARIE-NOELLE	2,813,834	PROWS, DENNIS SCOTT	2,884,437	RENSKI, WILLIAM J.	2,851,416
PETTY, CLIFFORD D.	2,786,234	PRYSMIAN S.P.A.	2,769,237	RENSKI, WILLIAM J.	2,851,422
PFALTZGRAFF, JAMES R.	2,846,378	PRYSMIAN S.P.A.	2,948,706	RENTZ, BERND	2,973,046
PFEIFER, JOSEPH W., III	2,801,011	PSALIDAS, MARIA	2,925,150	REPRO-MED SYSTEMS, INC.	3,006,312
PFUTZENREUTER, REBECCA	2,955,422	PURATOS N.V.	2,833,306	RES USA, LLC	2,879,351
PFW AEROSPACE AG	2,838,903	QIAO, JINLIANG	2,881,474	RETARUS GMBH	2,977,807
PHAN, TOAN-THANG	2,971,062	QUALCOMM INCORPORATED	2,918,755	REUNANEN, JUSTUS	2,750,576
PHARMATHEN S.A.	2,876,739	QUALCOMM INCORPORATED	2,930,336	REWCASTLE, GORDON	
PHILIP MORRIS PRODUCTS		QUALCOMM INCORPORATED	2,949,108	WILLIAM	2,987,503
S.A.	2,822,728	QUANTUM GENOMICS	2,813,834	REY-FLANDRIN ROBERT	2,753,089
PHILIPS LIGHTING HOLDING		QUANZ, MARIA	2,802,463	REYNOLDS, MATTHEW S.	2,799,382
B.V.	2,718,819	QUINN, AARON A.	2,794,793	RHEINFELDEN CARBON	
PHILLIPS, PARRISH	2,870,543	QUINN, ANTHONY EDWARD	2,803,045	GMBH & CO. KG	3,017,840
PIAZZA, NICHOLAS JAMES	2,783,431	QUINN, ROGER D.	2,766,982	RHEINISCH-WESTFALISCHE	
PIERCE, AMBER M.	2,989,356	QUIRING, AMY ELIZABETH	2,824,586	TECHNISCHE	
PIERCE, KENNETH	2,996,947	RABE, THOMAS ELLIOT	2,949,119	HOCHSCHULE (RWTH)	
PIERRO, BRIAN W.	2,825,832	RABER, ROBERT P.	2,904,609	AACHEN	2,955,422
PIETRAS, BERND-GEORG	2,937,095	RABOISSON, PIERRE JEAN-		RHEINMETALL MAN	
PIKAL, MICHAEL	2,742,328	MARIE BERNARD	2,821,999	MILITARY VEHICLES	
PINARD, ROBERT	2,596,204	RAINA, SUNIL	2,921,718	GMBH	2,944,263
PINDIPROLU, SAIRAM K.S.	2,921,779	RAINAU, FLORIAN	2,919,319	RIBAUD, OLIVIER	2,753,089
PINZANI, HAKAN	2,824,577	RAJ, GANESH	2,800,811	RICCI, ANTONIO	2,829,171
PIOREK, STANISLAW	2,874,319	RAJEEV,		RICE, EDWARD CLAUDE	2,762,765
PIPER, DEREK E.	2,778,112	KALLANTHOTTATHIL G.	2,743,136	RICE, JOHN	2,996,947
PIRON, CAMERON ANTHONY	2,985,221	RAJI, VIJAYE GANESH	2,893,443	RICE, LAURA E.	2,877,749
PISKLAK, THOMAS JASON	2,920,783	RAKIB, SHLOMO SELIM	2,955,827	RICHARD-BILDSTEIN,	
PLAIA, JAMES R.	3,000,694	RALEY, KEVIN P.	2,797,122	SYLVIA	2,816,406
PLANSEE SE	2,842,044	RAMAKER, JAMES	2,821,330	RICHMOND, JOSHUA LEE	2,985,221
PLASCENCIA, ROGELIO, JR.	2,756,540	RAMAN, KRISHNA	2,801,011	RIDLEY, MARK	2,961,637
PLETERSKI, JAMES	2,937,821	RAMASUBRAMONIAN,		RIETSCH, JEAN-CHRISTOPHE	2,807,691
PLOURDE, MARC R.	2,759,485	ADARSH KRISHNAN	2,930,336	RIHA-SCOTT, FRANTISEK	2,945,296
		RAMDAS, GAUTAM	2,943,842	RILEY, YUSUN KIM	2,730,103

**Index of Canadian Patents Issued
February 26, 2019**

RIMOLI, FRANCISCO ANTONIO	2,748,752	S.C. JOHNSON & SON, INC.	2,919,014	SCENTRICS INFORMATION SECURITY TECHNOLOGIES LTD	2,824,826
RINKENBERG, KEN	2,928,872	SADEH, TIDHAR	2,797,122	SCHAAP, ALBERT	2,489,911
RITTINGHAUS, ANDREA	2,954,520	SADOWSKI, THORSTEN	2,822,120	SCHAAPMAN, MARK C.	2,925,813
RITTNER, WOLFGANG	2,783,462	SAF-HOLLAND GMBH	2,955,873	SCHAEFER, JASON A.	2,774,533
ROA-ESPINOSA, AICARDO	2,945,775	SAFRAN VECTRONIX AG	2,967,833	SCHAFFNIT, ELENA	2,936,733
ROBBS, AUSTIN	2,952,628	SAHGAL, SHEKHAR	2,958,205	SCHARFE, FELIX	2,982,538
ROBERT BOSCH GMBH	2,799,276	SAINT-GOBAIN GLASS FRANCE	2,762,312	SCHARFE, OSCAR	2,982,538
ROBERT, GERARD	2,971,711	SAITO, HAYATO	2,944,403	SCHATZ, DAVID A.	2,738,654
ROBERTS, APRIL	2,782,639	SAJI, HIDEO	2,772,767	SCHATZ, KURT	2,759,485
ROBERTS, NICK	2,696,082	SAKAI CHEMICAL INDUSTRY CO., LTD.	2,834,233	SCHAUB, RENE	2,765,884
ROBERTSON, TIMOTHY	2,792,224	SAKURAI, HIRONARI	2,827,621	SCHEERES, DAVID	2,811,251
ROCKS, SALLY	3,010,091	SALES CASALS, LLUIS-RAMON	2,769,237	SCHEFFERS, MARTIJN SILVAN	2,770,607
RODA IBERICA, S.L.	2,923,470	SALINGER, DANIEL	2,830,138	SCHPELMANN, ALEXANDER	2,766,982
RODSETH, WILLIAM G.	2,673,898	SALITURO, FRANCESCO G.	2,823,401	SCHLANGEN, DAVID A.	2,786,234
ROEX, CALVIN	2,823,817	SALK, JESSE	2,996,947	SCHLISS, TREVOR DUNCAN	2,784,389
ROGERS, KELLY	2,800,316	SALLA, RAJENDER	2,960,269	SCHMID, CHRISTIAN	2,778,207
ROGERS, LARRY K.	2,915,923	SALUSJAERVI, TUOMAS	2,750,576	SCHMID, KATHERINE J.	2,812,150
ROGERS, MARK	2,961,637	SAMARA, VASILIKI	2,876,739	SCHNEIDER, JEAN-MARIE	2,813,834
ROGUSKA, MICHAEL	2,732,782	SAMPATH, HEMANTH	2,918,755	SCHNEIDER, WERNER	2,973,046
ROJAS CUEVAS, ANTONIO	2,966,158	SAMSON ROPE TECHNOLOGIES, INC.	3,000,694	SCHOLAN, ANDREW	2,961,637
ROL CORREDOR, JAVIER	2,841,041	SAMSUNG ELECTRONICS CO., LTD.	2,817,000	SCHOLLE CORPORATION	2,921,920
ROLIN, AMAURY D.	2,766,982	SAMUEL, GEOFFREY ANDREW	2,983,662	SCHOLZ, HENDRIK	2,858,207
ROLLS-ROYCE CORPORATION	2,762,765	SAN HO ENTERPRISE CO., LTD.	2,972,335	SCHOONMAKER, RYAN	2,746,153
RONEN, GIL	2,709,517	SANCHEZ, J. AQUILES	2,996,947	SCHOTT AG	2,824,074
ROPER, RICHARD ROBERT	2,980,017	SANDSTROM, JOEL	2,794,793	SCHREUDER, HERMAN	2,822,120
ROQUETTES FRERES	2,816,258	SANKAR, SABITA	2,788,678	SCHROOTEN, AXEL	2,945,560
ROSA, GARY	2,760,003	SANOFI	2,822,120	SCHUHMACHER, BERND	2,945,560
ROSALES, JULIE L.	2,964,310	SANOFI	2,834,452	SCHULTE INDUSTRIES LTD.	2,931,729
ROSATI, RODRIGO	2,894,669	SANTA FE, VICTORIA	2,760,003	SCHULTZ, GREGORY S.	2,764,775
ROSE, MARCUS	2,955,422	SANTHANAM, UMA	2,799,223	SCHULTZ, JEFFREY W.	2,756,540
ROSEMOUNT INC.	2,784,389	SAPPI NETHERLANDS SERVICES B.V.	2,828,980	SCHULZE, THOMAS	2,908,567
ROSEMOUNT INC.	2,860,585	SARCHI, DAVIDE	2,948,706	SCHWARTZ, YITZHACK	2,710,733
ROSEN, MELISSA	2,746,153	SASAI, HISAO	2,807,468	SCHWARZ, HANS-PETER	2,815,239
ROSENBERG, MITCHELL	2,815,188	SASAI, HISAO	2,819,133	SCHWENDNER, KLAUS	2,820,095
ROSENTHAL, MICHAEL H.	2,827,034	SASAI, HISAO	2,834,125	SCHWERDT, CHRISTIAN	2,945,560
ROSINGER, CHRISTOPHER HUGH	2,809,487	SASAI, HISAO	2,841,055	SCINTREX LIMITED	2,755,229
ROTA, FABIO	2,807,691	SATO, KAZUYUKI	3,015,058	SCOTT TECHNOLOGIES, INC.	2,824,586
ROTVOLD, ERIC	2,784,389	SATO, TOSHIAKI	2,913,868	SCOTT, GEORGE R.	2,762,439
ROUP, HERMAN	2,957,729	SATOH, HIROSHI	2,793,052	SE TYLOSE GMBH & CO. KG	2,947,462
ROVI GUIDES, INC.	2,785,833	SATOKARI, REETTA	2,750,576	SEALFON, ANDREW I.	3,006,312
ROWBERRY, KENNETH	2,792,224	SAUNDERS, JEFFREY O.	2,823,401	SEARLE, GARY	2,747,521
ROYTMAN, ALEXANDER	2,943,842	SAUX, FRANC	2,839,007	SEBTI, SAID M.	2,561,513
ROZEK, ROY J.	2,831,298	SAVAGE, GEORGE	2,792,224	SECRETARY OF STATE FOR HEALTH	2,782,639
RSD HOLDINGS LIMITED	2,945,296	SAVARI, SHARATH	2,943,594	SEELIG, STEVEN A.	2,916,808
RUBNER, FLORIAN	2,908,567	SAVOIR VILBOEUF, JOHN CLAUDE	2,818,129	SEGAR, PETER	2,805,389
RUDDOCK, EDWIN	2,924,999	SAWA, YASUNORI	2,953,651	SEIGEL, HAROLD	2,755,229
RUEHER, DANIEL	2,829,171	SAWAI, HIDEKI	2,790,919	SEILER, DAVID J.	2,939,320
RUF, SVEN	2,822,120	SAWARGAVE, SANGMESHWER PRABHAKAR	2,829,785	SEKI, IKUYA	2,772,767
RUGGIERO, ANTHONY V.	2,930,939	SAXENA, SAGAR	2,985,221	SEKI, NORIO	2,830,157
RUSS, CRAIG OWEN	2,911,449	SCA HYGIENE PRODUCTS AB	2,855,907	SELA, GAL	2,973,479
RUSTAD, ANDRE M.	2,825,832	SCALONE, MICHELANGELO	2,818,628	SELA, GAL	2,976,573
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	2,737,764			SELA, GAL	2,985,221
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	2,777,234			SELLAMUTHU, ARULVEL	2,835,188
RYAN, DANIEL FRANCIS	2,719,382			SELLERS, JULIAN	2,924,999
RYDER, TODD	2,852,685			SELNICK, HAROLD G.	2,816,798
RYU, JE HO	2,841,252			SEN, DIPANJAN	2,949,108
RYU, KEUN-HO	2,841,252			SENGUPTA, SHUBHASHIS	2,763,627
				SENSA BUES AB	2,771,830
				SENSOR DEVELOPMENTS AS	2,825,092
				SEO, JUNG HO	2,794,962

**Index des brevets canadiens délivrés
26 février 2019**

SEQUANA MEDICAL AG	2,864,391	SIMMONS, WAYNE W.	2,719,382	STATON, FIELDING B.	3,001,220
SERADARIAN, PASCAL	2,915,923	SIMON, WERNER	2,829,421	STEBUNOV, YURY	
SERCEL	2,796,532	SINGH, NAVRIT PAL	2,851,493	VIKTOROVICH	2,935,101
SEVERANCE, CHRISTOPHER	2,760,003	SISLER, GORDON	2,945,805	STEFAN, MADALINA	
SEW-EURODRIVE GMBH & CO. KG	2,831,436	SIT S.P.A.	2,830,707	ANDREA	2,839,376
SHARMA, VIBHU SAUJANYA	2,936,732	SIVASUBRAMANIAN, SWAMINATHAN	2,812,912	STEFANIDIS, DIMITRIOS	2,919,522
SHARMA, VIRENDER K.	2,962,417	SKIDATA AG	2,934,058	STEINER, STEFAN	2,824,322
SHARP KABUSHIKI KAISHA	2,958,531	SLAPE, MICHAEL SEAN	2,832,554	STEININGER, FRANZ	2,824,322
SHASTRY, ANANDA		SLEPIAN, MARVIN J.	2,908,421	STEINITZ, KATHARINA NORA	2,815,239
HUCHAPPA	2,835,188	SMART SNAKES LLC	2,961,845	STEINKE, MARKUS	2,955,726
SHEEHAN, GREGORY BERNARD	2,718,819	SMITH MOUNTAIN INDUSTRIES, INC	2,821,330	STERN, ANNE	2,701,646
SHEKHAR, RAJIV CHANDRA	2,720,080	SMITH, ALEXANDER BAXTER	2,802,132	STETTNER, MARTIN	2,976,019
SHELDON, DONALD	2,946,367	SMITH, CRAIG	2,981,480	STEVENS, NATALIE J.	2,989,356
SHELL INTERNATIONALE RESEARCH		SMITH, KERRY LYNN	2,964,310	STEWART, CHRISTOPHER SCOTT	2,980,017
MAATSCHAPPIJ B.V.	2,822,033	SMITH, MURRAY A.	2,857,331	STIBICH, MARK ANDREW	2,873,550
SHELL INTERNATIONALE RESEARCH		SMITH, SCOTT	2,878,671	STIKELEATHER, DERRICK F.	2,961,920
MAATSCHAPPIJ B.V.	2,829,092	SMITH, WILLIAM ALFRED	2,871,991	STOCKS, DAVID	2,961,637
SHELTON, FREDERICK E., IV	2,806,431	SMITHS MEDICAL ASD, INC.	2,696,082	STONE, MELIALANI A.C.L.	2,793,533
SHELTON, FREDERICK E., IV	2,812,150	SMITHS MEDICAL ASD, INC.	2,696,082	STOUFF, MATHIAS	2,949,340
SHELTON, FREDERICK E., IV	2,960,251	SNECMA	2,825,648	STOUT, MARTY L.	2,851,315
SHERMAN, FAIZ FEISAL	2,949,119	SNOW, HENRY H.	2,766,982	STOWASSER, FRANK	2,802,132
SHI, FENG	2,816,798	SNOW, KEVIN D.	2,949,211	STRANG, ROSS	2,802,132
SHIBAHARA, YOUJI	2,807,468	SO, JERRY	2,785,833	STRANIMAIER, ARNO	2,837,888
SHIBAHARA, YOUJI	2,819,133	SOAR, ROGER J.	2,717,533	STRID, JASON	2,955,586
SHIBAHARA, YOUJI	2,834,125	SOETJE, OLIVER	2,919,319	STRUMPF, DAVID	3,001,220
SHIBAHARA, YOUJI	2,841,055	SOETJE, OLIVER	2,919,320	STUCKEY, JEANNE	2,825,306
SHIMOYAMA, IZUMI	2,807,954	SOKOLOVA, IRINA A.	2,916,808	STURM, THOMAS	2,875,366
SHIMOYAMA, MASAO	2,970,594	SOLDERMANN, NICOLAS	2,802,132	SU, QUAN	2,948,920
SHIN, DONG CHUL	2,841,252	SOLHEIM, GEIR ARNE	2,803,483	SUBRAMANIAN, VENKATESH	2,936,732
SHIN, YOUNG AH	2,841,252	SOLIS, MARIO	2,756,540	SUDA, KAZUMI	2,790,919
SHINKO CHEMICAL CO., LTD.	2,875,602	SOLJACIC, MARIN	2,738,654	SUEDA, SATORU	2,834,233
SHISHAPRESSO S.A.L.	2,840,342	SOMANI, AVISHEK	2,921,718	SUGINO, MASAOKI	2,947,536
SHKEDI, ROY	3,022,437	SOMMAZZI, ANNA	2,822,110	SUGIO, TOSHIYASU	2,807,468
SHL GROUP AB	2,915,225	SONDEREGGER, ROBERT	2,984,679	SUGIO, TOSHIYASU	2,819,133
SHONE, CLIFFORD	2,782,639	SONY CORPORATION	2,827,621	SUGIO, TOSHIYASU	2,834,125
SHOP VAC CORPORATION	2,774,588	SOO, B. CHIA	2,763,466	SUGIO, TOSHIYASU	2,841,055
SHOP VAC CORPORATION	2,788,279	SORGEL, SEBASTIAN	2,830,138	SUGIYAMA, MITSUHIRO	2,913,868
SHOP VAC CORPORATION	2,807,215	SOYEUR, JEAN-LUC	2,833,306	SULLENBERGER, MICHAEL	2,797,226
SHORTE, SPENCER L.	2,800,316	SPAHR, MICHAEL	2,807,691	SULLIVAN, BENJAMIN DAVID	2,771,110
SHROFF RAMA, MALLIKARJUNA	2,960,269	SPANGLER, MARK A.	2,821,330	SUMI, HIROYUKI	2,807,954
SIAL, AISHA	2,976,573	SPARTON CORPORATION	2,937,821	SUMITOMO METAL MINING CO., LTD.	2,954,028
SIEBEL, JUSTIN	2,855,907	SPEARS, LONNIE DOUGLAS	2,819,695	SUMROY, JON	2,874,810
SIEMENS		SPENCER, DALE A.	2,911,795	SUN PATENT TRUST	2,807,468
AKTIENGESELLSCHAFT	2,764,612	SPENSBERGER, BERNHARD	2,820,095	SUN PATENT TRUST	2,819,133
SIEMENS		SPERGER, DIANA	2,919,522	SUN PATENT TRUST	2,834,125
AKTIENGESELLSCHAFT	2,771,730	SPERO TRINEM, INC.	2,824,516	SUN PATENT TRUST	2,841,055
SIEMENS		SPL POWERLINES AUSTRIA GMBH & CO. KG	2,838,305	SUN PATENT TRUST	2,825,306
AKTIENGESELLSCHAFT	2,933,882	SPLAWSKI, IGOR	2,732,782	SUN, DUXIN	2,760,196
SIEMENS HEALTHCARE DIAGNOSTICS INC.	2,971,351	SPOOL, IRA	2,746,153	SUN, JEONGHOON	2,802,463
SIEMENS INDUSTRY, INC.	2,819,695	SRIMOHANARAJAH, KIRUSHA	2,976,573	SUN, JIAN-SHENG	2,778,112
SIEMENS INDUSTRY, INC.	2,977,483	ST-PIERRE, NICOLAS	2,716,072	SUN, YU	2,778,112
SIEMENS SCHWEIZ AG	2,925,366	ST.LAURENT, MICHAEL	2,751,918	SUNCOR ENERGY INC.	2,902,548
SIGA TECHNOLOGIES, INC.	2,793,533	ST.LAURENT, MICHAEL	2,751,926	SUNCOR ENERGY INC.	2,938,096
SIGLI, CHRISTOPHE	2,832,085	STACEY, GARY	2,961,637	SUNDARESH, NAGARAJA	2,835,188
SIGNAL PHARMACEUTICALS, LLC	2,788,678	STADLER, HEINZ	2,829,170	SUPERIOR RIG SOLUTIONS INC.	2,713,051
SILVA, LAURA J.	2,719,382	STADLER, HEINZ	2,829,171	SUPERIOR TRAY SYSTEMS INC.	2,800,467
SILVENTA S.R.L.	2,826,400	STAHL, TRACEY LYNN	2,801,011	SURUGA, HIROKAZU	2,896,648
		STAHN, RENATE	2,768,888	SUTTON, BENJAMIN	2,855,194
		STAIRS, JONATHAN	2,751,918	SUZUKI, DAISUKE	2,830,157
		STANEK, DANIEL	2,673,898	SUZUKI, YASUHIKO	2,748,011
		STANGELAND, BRUCE	2,719,382		

**Index of Canadian Patents Issued
February 26, 2019**

SUZUKI, YUSUKE	2,748,011	TAYLOR, MARTIN	2,941,410	THE REGENTS OF THE	
SWEENEY, STEPHEN	2,856,643	TAYLOR, THOMAS P.	2,798,142	UNIVERSITY OF	
SWEETAPPLE, GARY	2,793,533	TCHESSALOV, SERGUEI	2,742,328	MICHIGAN	2,698,117
SWITZER, DAVID A.	2,890,615	TEDDER, CATHARINA L.	2,989,478	THE REGENTS OF THE	
SYMANTEC CORPORATION	2,775,206	TEDESCHI, GREGORY R.	2,596,204	UNIVERSITY OF	
SYNAPTIVE MEDICAL		TELEFLEX MEDICAL		MICHIGAN	2,825,306
(BARBADOS) INC.	2,973,479	INCORPORATED	2,909,648	THE SCRIPPS RESEARCH	
SYNAPTIVE MEDICAL		TELFORD, JOHN	2,811,305	INSTITUTE	2,807,141
(BARBADOS) INC.	2,976,573	TEMPLETON, LYNN	2,919,014	THE UNIVERSITY OF	
SYNAPTIVE MEDICAL		TEPIC, MARINKO	2,782,767	NOTTINGHAM	2,739,688
(BARBADOS) INC.	2,985,221	TERABE, ATSUKI	2,834,233	THE UNIVERSITY OF	
SYNERZ MEDICAL, INC.	2,962,417	TERADA, KENGO	2,841,055	SYDNEY	2,819,712
SYNGENTA PARTICIPATIONS		TERADA, YUSUKE	2,928,787	THEIS, JOHN	2,805,389
AG	2,879,760	TESSENDERLO KERLEY, INC.	2,945,354	THERANOS IP COMPANY,	
SZUMSKI, DANIEL M.	2,817,580	TEZUKA, ATSUSHI	2,985,749	LLC	2,719,625
T & B STRUCTURAL		THE ARIZONA BOARD OF		THERMASOLUTIONS	
SYSTEMS LLC	2,798,142	REGENTS ON BEHALF OF		INTERNATIONAL	
TABONE, CHARLES JOSEPH	2,915,923	THE UNIVERSITY OF		LIMITED	3,014,893
TADA, KAORI	2,875,602	ARIZONA	2,908,421	THERMO SCIENTIFIC	
TADA, MASAKI	2,944,403	THE BOARD OF REGENTS OF		PORTABLE ANALYTICAL	
TADDEI, SILVIO	2,826,400	THE UNIVERSITY OF		INSTRUMENTS INC.	2,874,319
TAGUCHI, JUNKO	2,782,280	TEXAS SYSTEM	2,756,412	THIEL, VASCO	2,976,019
TAGUMI, CHRISTOPHER		THE BOARD OF REGENTS OF		THOMADSEN, TOMMY	2,941,258
KENJI	2,952,628	THE UNIVERSITY OF		THOMAS, WILLIAM D. JR.	2,553,946
TAHARA, HIROSHI	2,748,011	TEXAS SYSTEM	2,800,811	THOMMEN, DANIEL	2,864,391
TAHARA, MASAHIKO	2,985,749	THE BOEING COMPANY	2,786,355	THOMPSON, ANDREW	2,792,224
TAHRI, ABDELLAH	2,821,999	THE BOEING COMPANY	2,834,070	THOMPSON, GARY	2,937,095
TAIHO PHARMACEUTICAL		THE BOEING COMPANY	2,851,493	THYSSENKRUPP AG	2,945,560
CO., LTD.	2,782,280	THE BOEING COMPANY	2,897,757	THYSSENKRUPP STEEL	
TAIHO PHARMACEUTICAL		THE CHILDREN'S MEDICAL		EUROPE AG	2,936,733
CO., LTD.	2,927,817	CENTER CORPORATION	2,886,393	THYSSENKRUPP STEEL	
TAIPALE, TERO	2,811,380	THE CHINESE UNIVERSITY		EUROPE AG	2,945,560
TAJIMA, NORIHIRO	2,928,787	OF HONG KONG	2,694,007	TIMISCHL, KARL	2,832,207
TAKAHASHI, JUNICHI	2,954,028	THE GENERAL HOSPITAL		TIMKEN, HYE HYUNG	2,825,143
TAKAHASHI, KEN	2,913,868	CORPORATION	2,886,393	TIMMINS, IAN J.	2,961,920
TAKAHASHI, YOSHITOMO	2,827,621	THE GOVERNMENT OF THE		TING, KANG	2,763,466
TAKAHATA, OSAMU	2,875,602	UNITED STATES OF		TIPTON, WILLIAM R.	2,803,763
TAKAO, YAYOI	2,782,280	AMERICA, AS		TISI, LAURENCE CARLO	2,765,406
TAKESHIMA, SHINICHI	2,972,132	REPRESENTED BY THE		TISSUE REGENERATION	
TAKESHIMA, SHINICHI	2,972,134	SECRETARY,		SYSTEMS, INC.	2,740,633
TAKEUCHI, MANABU	2,947,135	DEPARTMENT OF		TIUMBIO CO., LTD.	2,841,252
TALBERT, SHERWOOD	2,774,533	HEALTH AND HUMAN		TOBLER, HANS	2,879,760
TALLARICO, JOHN	2,774,533	SERVICES	2,948,114	TOMCZAK, CHRISTOPHER J.	2,874,652
TALON TECHNOLOGIES, INC.	2,957,729	THE NIELSEN COMPANY		TONG, YUNMIN	2,837,054
TAM, TERRY	2,785,833	(US), LLC	2,875,366	TONKOVICH, ANNA LEE	2,719,382
TAME, OMAR D.	2,902,365	THE NORTH FACE APPAREL		TORAY INDUSTRIES, INC.	2,790,919
TANAKA, DAIKI	2,993,499	CORP.	2,952,628	TOTAL RESEARCH &	
TANAKA, YUICHI	2,831,737	THE PROCTER & GAMBLE		TECHNOLOGY FELUY	2,842,335
TANEJA, KUNAL	2,921,033	COMPANY	2,894,669	TOUGAIT, OLIVIER	2,839,251
TANG, SHEN	2,815,087	THE PROCTER & GAMBLE		TOUZE, ANTOINE A.	2,795,906
TANG, YONG	2,837,888	COMPANY	2,895,089	TOWNE, JENNIFER E.	2,778,112
TANIKAWA, KYOKO	2,807,468	THE PROCTER & GAMBLE		TOYO SEIKAN GROUP	
TANIKAWA, KYOKO	2,834,125	COMPANY	2,930,245	HOLDINGS, LTD.	2,946,822
TANIKAWA, KYOKO	2,841,055	THE PROCTER & GAMBLE		TOYO SEIKAN GROUP	
TANNER, JAMES T.	2,938,598	COMPANY	2,938,967	HOLDINGS, LTD.	2,948,361
TAPE WEAVING SWEDEN AB	2,822,420	THE PROCTER & GAMBLE		TOYO TIRE & RUBBER CO.,	
TARDIF, JEAN	3,000,147	COMPANY	2,948,647	LTD.	2,969,727
TARKETT USA INC.	2,673,205	THE PROCTER & GAMBLE		TOYO TIRE & RUBBER CO.,	
TARORA, MASAFUMI	2,947,135	COMPANY	2,949,119	LTD.	2,969,737
TASAKA, KAZUHIKO	2,831,737	THE REGENTS OF THE		TOYO TIRE & RUBBER CO.,	
TAV HOLDINGS, INC.	2,967,960	UNIVERSITY OF		LTD.	2,969,747
TAWTE, AMIT		CALIFORNIA	2,763,466	TOYO TIRE & RUBBER CO.,	
CHANDRAKANT	2,829,785			LTD.	2,969,752
TAYLOR, GEORGE W.	2,830,891				

**Index des brevets canadiens délivrés
26 février 2019**

TOYOTA JIDOSHA		UNTERBERG, HEINZ	2,834,073	VYKLUCKY, LADISLAV	2,957,906
KABUSHIKI KAISHA	2,972,132	UPCROFT, BENJAMIN	2,720,080	W. L. GORE & ASSOCIATES, INC.	2,889,241
TOYOTA JIDOSHA		UPM-KYMMENE		W. L. GORE & ASSOCIATES, INC.	2,984,633
KABUSHIKI KAISHA	2,972,134	CORPORATION	2,811,380	W.L. GORE & ASSOCIATES, INC.	2,955,586
TOYOTA JIDOSHA		USINAGE FILIATRAULT INC.	2,746,747	WADA, HIROSHI	2,927,817
KABUSHIKI KAISHA	2,993,379	USTAV ORGANICKE CHEMIE		WAGONER, DANNY W.	2,850,500
TOZER, ROBERT	2,916,228	A BIOCHEMIE AV CR, V.V.I.	2,957,906	WAHADANIAH, VIKTOR	2,819,133
TRELFORD, LESTER PAUL	2,884,437	USUKI, TSUTOMU	2,832,017	WAINRIGHT, JESSE	2,876,297
TRELLEBORG MARINE		VAKS, YEFIM	2,943,842	WALDHOFF, GARY J.	2,884,437
SYSTEMS MELBOURNE		VALERIO, THOMAS	2,967,960	WALKER, JAMES JOHN	2,977,483
PTY LTD	2,878,671	VALES, KAREL	2,957,906	WALKER, JONATHAN P.	2,943,594
TREW, BRANDON KYLE	2,949,054	VALLOUREC OIL AND GAS		WALKER, SCOTT RAYMOND	2,827,172
TRIGINER BOIXEDA, JORGE	2,841,041	FRANCE	2,947,536	WALLBAUM, MICHAEL	2,858,207
TRILINK BIOTECHNOLOGIES	2,725,239	VAN ALMSICK, ANDREAS	2,809,487	WALLEN, THOMAS A.	2,953,748
TRISH, SCOTT	2,805,389	VAN BELKUM, ALEXANDER		WALTER, HARALD	2,879,760
TRONOX LLC	2,948,920	FRANCISCUS	2,808,485	WALTERS, TOM	3,010,091
TROUT, BERNHARDT	2,727,936	VAN KAMPEN, JEROEN		WALTON, ZACHARY	
TRUITT, EDWARD R., III	2,771,110	JACOB ALEXANDER	2,808,485	WILLIAM	2,961,174
TSANG, KIT YEE	2,987,503	VAN WEY, SCOTT CHARLES	2,989,813	WALTZ, LUCAS B.	2,826,440
TSCHERSICH, HANS- JOACHIM	2,936,733	VAN ZANDT, MICHAEL	2,852,685	WANG, GUOQING	2,881,474
TSENG, ERICK	2,902,019	VANHOOSE, BILL RUSSELL	2,783,431	WANG, QINGBAO	2,866,096
TSUCHIYA, TERUMASA	2,985,749	VANHOVE, MICHEL	2,833,306	WANG, SHAOMENG	2,825,306
TSUI, JASON	2,785,833	VANMARCKE, LUC ALBERT	2,810,723	WANG, SHAONING	2,818,628
TSUZUKI, KEN	2,969,504	VARELA, PAULO	2,824,577	WANG, WEIJIE	2,694,492
TUASON, ARNOLD	2,756,540	VELOCYS INC.	2,719,382	WANG, YAODE	2,816,798
TUCKER, ROBERT CAREY	2,939,717	VENDEVILLE, SANDRINE		WANG, YE-KUI	2,930,336
TUFFNER, FRANCIS K.	2,793,989	MARIE HELENE	2,821,999	WANG, YUE	2,894,069
TUFILLI, NICOLA	2,802,132	VENDRAMINI, ANTONIO	2,830,707	WANGH, LAWRENCE J.	2,996,947
TUNG, TERESA SHEAUSAN	2,921,033	VERDUIN, MENNO		WARBURTON TECHNOLOGY LIMITED	2,871,991
TUPE, RAVINDRA	2,818,525	ALEXANDER	2,829,587	WARD, ALISTAIR	2,961,637
TURNER, PHILIP	2,828,980	VERILY LIFE SCIENCES LLC	2,850,138	WARDEN, JEFFREY ALAN	2,783,431
TURNER, WILLIAM EVANS	2,829,318	VERKOEIJEN, DANIEL	2,489,911	WARN, BRIAN	2,786,355
TURNOCK, RICHARD	2,924,999	VERMA, KAUSHAL	2,961,637	WASHINGTON UNIVERSITY	2,896,834
TUVIM, MICHAEL	2,756,412	VERMANI, SAMEER	2,918,755	WASIELEWSKI, KEVIN	2,799,276
TWIST, JOHN	2,748,496	VERNEDE, STEPHANE	2,753,089	WASINGER, JERRY	2,849,902
TYAVANAGIMATT, SHANTHAKUMAR R.	2,793,533	VERRIN, JEAN-MARC	2,816,258	WASSELL, MARK	
TYNKKYNNEN, SOILE	2,750,576	VERSALIS S.P.A.	2,822,110	ELLSWORTH	2,829,318
UBER TECHNOLOGIES, INC.	2,985,309	VESTERLUND, SATU	2,750,576	WATANABE, MUNEMITSU	2,985,749
UBER TECHNOLOGIES, INC.	3,015,894	VIB VZM	2,736,929	WATANABE, NOBUO	2,834,233
UCB PHARMA, S.A.	2,788,967	VIEIRA, ELVIS MELO	2,873,103	WATERS, MICHAEL	2,789,493
UCHAYKIN, SERGEY V.	2,738,669	VIEIRA, ERIC	2,829,170	WATSON, VIRGIL ALLEN	2,797,243
UHDE FERTILIZER		VIEIRA, ERIC	2,829,171	WATT, STEPHEN WILLIAM	2,813,563
TECHNOLOGY B.V.	2,810,723	VINOCUR, BASIA JUDITH	2,709,517	WAVETRAIN SYSTEMS AS	2,848,924
ULTRA CLEAN ECOLENE INC.	2,980,573	VISTA OUTDOOR		WAY, ALVEN	2,867,959
ULTRA-MEK, INC.	2,957,289	OPERATIONS LLC	2,794,793	WEATHERFORD	
UMEZAWA, MASAHIRO	2,913,868	VO, LOAN K.	2,946,847	TECHNOLOGY	
UNILEVER PLC	2,803,045	VOCADLO, DAVID J.	2,816,798	HOLDINGS, LLC	2,850,500
UNITED PARCEL SERVICE OF AMERICA, INC.	2,798,791	VOEGELE, JAMES W.	2,960,251	WEATHERFORD	
UNIVATION TECHNOLOGIES, LLC	2,804,778	VOGT, SEBASTIAN	2,963,554	TECHNOLOGY	
UNIVERSITY OF		VOIPFUTURE GMBH	2,858,207	HOLDINGS, LLC.	2,937,095
CONNECTICUT	2,742,328	VOLANTE, NINO	2,862,676	WEBB, STEVEN R.	2,787,594
UNIVERSITY OF FLORIDA		VOLKER, ARNO WILLEM		WEBSTER, JEFFERY	2,797,226
RESEARCH		FREDERIK	2,813,642	WEBSTER, PAUL SIMON	2,822,033
FOUNDATION, INC.	2,764,775	VON MATT, ANETTE	2,802,132	WEEDEN, ROBERT GEORGE	2,777,954
UNIVERSITY OF		VON OSSOWSKI, INGEMAR	2,750,576	WEHNER, JOCHEN	2,907,611
MASSACHUSETTS	2,553,946	VOSS, MARTINA	2,907,611	WEI, TAO	2,845,426
UNIVERSITY OF SOUTH		VOSS, STEFFEN	2,976,019	WEI, WEI	2,792,906
ALABAMA	2,825,143	VOYNOV, VLADIMIR	2,727,936	WEI, ZHONGYONG	2,816,798
UNIVERSITY OF SOUTH		VRABEC, TINA	2,876,297	WEIBIN, JIANG	2,879,351
FLORIDA	2,561,513	VRETMASKIN EL & MEKANIK AB	2,914,772	WEICKERT, GUNTER	2,983,423
		VRIGNAUD, PATRICIA	2,693,152		
		VROEMEN, CASPER WILLEM	2,770,607		

Index of Canadian Patents Issued February 26, 2019

WEIDENHAUPT, HERMANN- JOSEF	2,834,073	WOOD, MICHAEL FRANK GUNTER	2,985,221	ZAKOWSKI, JOSEPH W.	2,974,751
WEIHE, JASON G.	2,930,309	WOODGER, ANDREW NEILL	2,948,457	ZANDONA, RAFFAELE	2,803,045
WEIMERS, WILLIAM C.	2,793,533	WOODRUFF, SCOTT DANIEL	2,965,763	ZARATE, JENNIFER	2,971,711
WEINER, JASON	2,908,948	WOOLLEY, SETH ALAN	2,985,309	ZDEBLICK, MARK	2,792,224
WEINMANN, HASSO	2,783,462	WORKS, ANDREA BLUM	2,748,496	ZECRI, FREDERIC	2,802,132
WEINTRAUB, GARY D.	2,919,014	WORRELL, BARRY C.	2,812,150	ZEE, BENNY CHUNG YING	2,694,007
WEISENBURGH, WILLIAM BRUCE, II	2,960,251	WORSNOP, KENT	2,951,220	ZENKE, FRANK	2,809,553
WERNER, STEFAN	2,955,780	WRIGHT, ALLEN RICHARD	2,817,351	ZHA, WEIBIN	2,973,692
WERNER, STEFAN	2,955,824	WRIGHT, HAROLD A.	2,879,351	ZHANG, HUI-FEN	2,553,946
WEST, KEVIN N.	2,825,143	WU, HSU-HSIANG	2,930,399	ZHANG, JIANFENG	2,839,374
WETTON, AMY	2,924,999	WU, WENJUN	2,863,918	ZHANG, JINGZHONG	2,971,351
WETZEL, THOMAS	2,831,436	WULFERT, HOLGER	2,871,074	ZHANG, LIPING	2,818,525
WHELAN, JOHN	2,786,355	XENEX DISINFECTION SERVICES, LLC	2,873,550	ZHANG, WEI	2,971,351
WHITEHOUSE, CRAIG M.	2,837,478	XEROX CORPORATION	2,945,805	ZHANG, XIAOHONG	2,881,474
WHITEHOUSE, DARREN	2,852,685	XI'AN WESTPEACE FIRE TECHNOLOGY CO., LTD.	2,845,426	ZHANG, YAPING	2,856,643
WHITER, MARK	2,793,944	XU, BIN	2,839,374	ZHANG, YU	2,778,112
WHITFILL, DONALD L.	2,943,594	XU, JING	2,760,196	ZHANGZHOU PIEN TZE HUANG PHARMACEUTICAL CO., LTD	2,710,862
WICK, WOLFGANG	2,752,791	XU, LIANG	2,907,379	ZHENG, LEI	2,955,586
WICKER, CALVIN M., JR.	2,938,598	XU, SHUICHAN	2,788,678	ZHENG, QIAN	2,799,223
WICKLINE, SAMUAL A.	2,896,834	XU, WEIMING	2,788,678	ZHENG, ZHONG	2,763,466
WIDENHOUSE, CHRISTOPHER W.	2,960,251	YAGUCHI, TATSUYA	2,993,499	ZHERNOSEKOV, KONSTANTIN	2,839,968
WIEDEMEIER, MELANIE	2,834,073	YAMADA, HIROYOSHI	2,830,157	ZHOU, HAIBIN	2,825,306
WIESENDORF, VOLKER	2,961,423	YAMADA, MANABU	2,947,135	ZHOU, HUI	2,973,692
WIKOL, MICHAEL	2,955,586	YAMAKI, SUSUMU	2,830,157	ZHOU, JIAN	2,826,616
WILENIEC, MARK	2,866,050	YAMAMOTO, KEIICHI	2,748,011	ZHOU, YUANXI	2,816,798
WILHELMINA VAN HELDEN, PAULA MARIA	2,815,239	YAMAMOTO, TETSUYA	2,807,954	ZHU, YONGBAO	2,816,798
WILKINSON, BRADLEY M.	2,911,449	YAMAMOTOYA, KENJI	2,913,868	ZIRKLE, ROSS	2,801,011
WILLCOX, BRADLEY JOHN	2,733,597	YAMANAKA, MASAYOSHI	2,960,325	ZODIAC AEROSAFETY SYSTEMS	2,809,490
WILLIAMS, RICHARD T.	2,807,299	YAMASHITA, ALEXANDRE TEIXEIRA	2,748,752	ZODIAC AEROTECHNICS	2,783,462
WILLIS, JOHN W.	2,806,431	YAMASHITA, SHIN	2,846,933	ZOGG, ANDREAS	2,818,628
WILLMS, LOTHAR	2,809,487	YAN ENGINES, INC.	2,873,454	ZTE CORPORATION	2,839,374
WILLS, ANTHONY ARTHUR	2,717,124	YAN, LI	2,837,054	ZUERCHER, SIMONE	2,807,691
WILLS, PETER BERKELEY	2,822,033	YAN, MIIN JENG	2,873,454	ZUKOWSKI, STANISLAW L.	2,889,241
WILSON, ANDREW BROCK	2,738,669	YAN, SHUNQI	2,823,401	ZUNE, JEAN-FRANCOIS	2,862,676
WILSON, RODNEY	2,855,907	YANCEY, PETER JOSEPH	2,751,736		
WILSON, SHANE M.	2,933,439	YANG, ANTHONY AN-TAO	2,910,934		
WINDEBANK, MARK	2,875,500	YANG, CHAO-YIE	2,825,306		
WINECKI, SLAWOMIR	2,824,586	YANG, JENNY JIE	2,815,087		
WINSOR, JONATHAN DION	2,822,033	YANG, TAE HOON	2,968,003		
WIRTH, FATIMAH	2,870,086	YANO, WAKAKO	2,782,280		
WIRTH, KLAUS	2,822,120	YAO, CHENGLIN	2,797,226		
WIRTH, TODD LINDSAY	2,870,086	YARA INTERNATIONAL ASA	2,819,712		
WITCOMB, NEIL	2,976,573	YATA, TETSUHISA	2,793,052		
WITRICITY CORPORATION	2,738,654	YATES, ADAM JOHN	2,814,113		
WOBLEN PROPERTIES GMBH	2,872,896	YEAH, CHIN MIN	2,943,554		
WOBLEN PROPERTIES GMBH	2,908,567	YIN, DAN	2,955,780		
WOELFEL, JOHN HAROLD	2,775,206	YIN, DAN	2,955,824		
WOLF, ROMAIN	2,802,132	YOKOGAWA, TATSUSHI	2,782,280		
WOLFE, MELVIN E.	2,807,215	YONEDA, HISASHI	2,793,052		
WOLFF, BRUCE ERNEST RICHARD	2,965,763	YOSHIHARA, KOUSEI	2,830,157		
WOLFORD, JAMES BLAINE	2,873,550	YOUNG, CHRISTOPHER MICHAEL	2,930,245		
WONDERLAND NURSERYGOODS COMPANY LIMITED	2,930,939	YOUNG, GORDON PETER	2,817,436		
WONG, BING LOU	2,841,445	YOUNG, GORDON PETER	2,817,781		
WONG, DICK	2,785,833	YOUNG, JOSEPH E.	2,812,150		
WONG, KA CHUN	2,785,833	YU, BYEONG CHAN	2,968,003		
WOOD INNOVATIONS LTD.	2,928,240	YURKO, MICHAEL Z.	2,788,279		
		YVON, XAVIER	2,834,452		
		ZAHR, MICHAEL RICHARD ADIB	2,939,320		

Index of Canadian Applications Open to Public Inspection

February 10, 2019 to February 16, 2019

Index des demandes canadiennes mises à la disponibilité du public

10 février 2019 au 16 février 2019

8259402 CANADA INC.	3,013,888	BOUTIQUE, JEAN-POL	3,013,938	DICKSTEIN, JUSTIN	
ABBOTT, JACOB		BOYER, JOHN D.	3,014,350	CLAYTON	2,992,646
ALEXANDER	3,014,402	BRABB, DAVID C.	3,013,019	DOCKTER, NATHAN D.	3,013,836
ABHARI, KAMYAR	3,014,228	BRADBROOK, STEPHEN J.	3,013,757	DOCKTER, NATHAN D.	3,013,837
ACCELEWARE LTD.	2,976,107	BRADLEY, DONALD ALBERT	3,013,137	DOCKTER, NATHAN D.	3,013,919
AERIAL TOOL CORPORATION	3,014,351	BRANDWINE, GUY	2,976,870	DRAGONTAIL SYSTEMS LTD.	2,976,870
AGRAWAL, BHUPESH	3,006,370	BRENNAN, KEVIN	3,013,811	ELLSWORTH, ANDREW JON	3,014,123
AIR PRODUCTS AND		BRESOLIN, JASON	2,976,257	ENE, ADA CRISTIANA	3,014,309
CHEMICALS, INC.	3,013,385	BRITESPAN BUILDING		ENGEL, GORDON ANTHONY	3,006,207
AIRBUS HELICOPTERS		SYSTEMS INC.	2,984,669	ERKER, GREGORY JACOB	3,006,207
DEUTSCHLAND GMBH	3,027,259	BRKIC, ANTE	3,012,917	ETHICON, INC.	3,013,592
ALP SUPPLY, INC.	3,012,353	BROOKS, DARREN	2,976,540	EZAMI, SAHBA	3,014,309
AMPERAGE ENERGY INC.	3,013,910	BRUNNER, GEORG	3,013,739	FAZELI, MANI	3,014,218
ANDREWS, TIMOTHY		BUCHKO, RAYMOND G., JR.	3,014,169	FIRAT, ATILLA MURAT	3,014,385
FRANCIS	3,013,130	BUTLER NETWORK CO., LTD.	2,985,212	FISHER, SCOTT	3,014,254
ANGELIEV, CVETAN	3,000,873	CANADA J-R CONSULTING		FITZ-HARDY, CHRISTOPHER	
ANGLING INNOVATIONS LLC	3,013,978	INC.	3,006,824	D.	2,976,560
ANTELO, RANDY THOMAS	3,013,137	CAO, ZHIFENG	3,013,382	FLOE, WAYNE	3,014,368
ANTROBUS, CRAIG L.	3,023,059	CARTER, DAVID (DECEASED)	3,014,351	FOLKENS, BRAD	3,012,647
ANTROBUS, CRAIG L.	3,023,062	CCL LABEL, INC.	3,014,380	FORRESTER, JERRY	2,976,496
APPERLEY, THOMAS	2,976,107	CHANDRASEKARAN,		FOUNDATION OF SOONGSIL	
ARCTIC CAT INC.	3,014,123	KARTHIKEYAN	3,014,377	UNIVERSITY-INDUSTRY	
ARKIN, JENNA	3,014,254	CHEN, SEAN JY-SHYANG	3,013,746	COOPERATION	2,985,212
ARMAND, MICHEL	2,976,241	CHENG, JIANGTIAN	3,008,090	FRIMMING, MICHAEL	3,013,997
ASHE, WESTLEY S.	3,013,739	CHISHOLM, P. SCOTT	2,976,254	FUHRMAN, ALEXANDER	
AVATERAMEDICAL GMBH	3,012,509	CHO, SOO HYUN	2,985,212	KONRAD	3,014,123
BAILEY, MARK SAMUEL	3,013,130	CHRISTENSEN, CORD	3,014,123	FUTABA INDUSTRIAL CO.,	
BAIN, STEPHEN	3,014,309	CLOUDSIGHT, INC.	3,012,647	LTD.	3,013,976
BAKAGIANNIS, IOANNIS	3,014,385	CNH INDUSTRIAL AMERICA		GALLOP, DAVID BRUCE	3,013,746
BALAKRISHNAN, NISHKALA	3,014,218	LLC	3,008,811	GALLOP, DAVID BRUCE	3,014,228
BARELA, JACOB A.	3,012,661	CNH INDUSTRIAL AMERICA		GARCEAU, STEEVE	2,975,821
BARRETT, LIZ	3,014,254	LLC	3,008,815	GEISS, MICHAEL	3,027,259
BAYLESS, ADAM MILTON	3,013,964	CNH INDUSTRIAL CANADA,		GENERAL ELECTRIC	
BEHZADPOUR, FOROUZAN	3,008,090	LTD.	3,006,207	COMPANY	3,012,517
BEIJING APOLLO DING RONG		CONCEPT H2-ITEX INC.	3,013,903	GENERAL ELECTRIC	
SOLAR TECHNOLOGY		CONTOUR CLOSURES, INC.	2,976,501	COMPANY	3,013,130
CO., LTD.	3,013,382	COOK, MORGAN E.	3,002,083	GENERAL ELECTRIC	
BENJAMIN, NATHANAEL	3,014,126	COOLAMON STEELWORKS		COMPANY	3,013,131
BENT, ANDREW FARMER	3,013,964	PTY LTD	3,013,885	GENERAL ELECTRIC	
BERNI, CHRISTOPHER PAUL	2,988,847	COORS BREWING COMPANY	3,014,234	COMPANY	3,013,137
BERTOSON, TERRANCE R.	3,014,138	COVIDIEN LP	3,012,747	GENERAL ELECTRIC	
BIELKE, GARTH	3,014,205	COX, EDWARD P.	3,013,999	COMPANY	3,013,139
BIOSENSE WEBSTER		CP PACKAGING, INC.	3,014,169	GENERAL ELECTRIC	
(ISRAEL) LTD.	3,012,943	CRANDALL, ROBERT	3,013,827	COMPANY	3,013,144
BIOSENSE WEBSTER		CRANSTON, BRIAN D.	3,014,350	GENERAL ELECTRIC	
(ISRAEL) LTD.	3,013,595	CRUSON, BRIAN	3,013,613	COMPANY	3,013,155
BIOSENSE WEBSTER		CRUX, FELIX	3,014,218	GENERAL ELECTRIC	
(ISRAEL) LTD.	3,013,716	DANCEL, IVAN TUMBOCON	2,976,114	COMPANY	3,013,156
BLAST MASK, LLC	2,992,646	DAON HOLDINGS LIMITED	3,014,128	GENERAL ELECTRIC	
BOTZER, LIOR	3,012,943	DEERE & COMPANY	3,006,370	COMPANY POLSKA	
BOUCHARD, PATRICK	2,976,241	DEPOOT, KAREL JOZEF		SP.ZO.O	3,013,139
BOUCHEMIT, ARSLANE	2,976,782	MARIA	3,013,938	GENERAL ELECTRIC	
BOUDREAU, JORDACHE	2,975,932	DHARMARETNAM,		COMPANY POLSKA	
BOUNIOL, AUDREY CLAIRE		DHANUSH	3,014,309	SP.ZO.O	3,013,155
FRANCOISE	3,013,938			GIARRATANO, CECIL E.	3,014,234

**Index of Canadian Applications Open to Public Inspection
February 10, 2019 to February 16, 2019**

GLINER, VADIM	3,013,595	KOGAN, VLADIMIR F.	3,013,739	NOVA CHEMICALS	
GLINER, VADIM	3,013,716	KOLODZIEJCZYK, ARTUR	3,013,139	CORPORATION	2,976,254
GNIFFKE, GARY	3,013,978	KOLODZIEJCZYK, ARTUR	3,013,155	OGALE, AMOL	3,007,195
GOLDADE, TRACEY M.	2,976,252	KOPPERS PERFORMANCE		OGHBAEE, AMIRREZA	3,014,402
GOLDEN, TIMOTHY		CHEMICALS INC.	3,014,232	OKONIEWSKI, MICHAL M.	2,976,107
CHRISTOPHER	3,013,385	KORZEPSKI, KRZYSZTOF	3,013,139	OLMSTEAD, GREGORY	
GOLLA, RODNEY W.	3,014,169	KORZEPSKI, KRZYSZTOF	3,013,155	ANDREW	3,014,309
GOUPIL, BRUNO	3,014,412	KOVACS, DAVID H.	2,976,221	OPREA, JOHN	2,975,752
GOUPIL, MARC	3,014,412	KOWALD, GLENN W.	3,013,115	OVERSTREET, MYCHAEL A.	3,013,710
GOVARI, ASSAF	3,013,595	KREKIAN, SHARIS	3,014,380	OVERSTREET, SONYA Y.	3,013,710
GRAHAM, CURT T.	3,013,836	KRUSH, ALEXANDER		PAGNIELLO, DOMENICO	3,014,377
GRAHAM, CURT T.	3,013,837	MICHAEL	3,014,402	PARK, SUNG GEON	2,985,212
GROSS, JACOB PETR	3,012,917	KVENVOLD, DEREK ROBERT	3,014,123	PARNASTE, MARTIN	3,013,144
GU, YONG (JOE)	2,976,863	L'ESPERANCE, GILLES	2,976,782	PARVIS, ALAN JOSEPH	3,013,130
HALLMARK CARDS,		LABERGE LEBEL, LOUIS	2,976,782	PATEL, RUTURAJ	
INCORPORATED	2,986,711	LAFRENIERE, STEPHAN	2,975,821	MAHESHBHAI	3,014,377
HAMASNI, KARIM TALAL	3,014,385	LARIZZA, JOE	3,014,385	PAVLU, ROBERT R.	2,986,711
HARTWICK, TY	3,013,724	LEBLANC, DOMINIC	2,976,241	PEREZ-ROVIRA, ADRIA	3,014,128
HASTING, WILLIAM		LEE, CARLOS	2,976,115	PERI, EITAN	3,012,943
HOWARD	3,013,137	LEE, SOON WON	2,985,212	PETRUZZIELLO, FERNANDO	3,013,888
HASTINGS, PAUL	2,976,367	LENNOX INDUSTRIES INC.	3,013,115	PIRASTEH, KAMRAN	3,014,402
HATTORI, SHINICHIRO	3,013,976	LEWIT, SCOTT M.	3,013,741	PITZER, STARR L., JR.	3,013,999
HAYES, RYAN DOUGLAS	3,014,123	LI, WU	3,013,385	POINTON, JAMES M.	3,013,757
HAYWARD SURGICAL, L.L.C.	3,013,747	LIN, WEITAO	3,014,402	PRABHAKARAN, ANAND	3,013,019
HE, GUIJIA	2,985,212	LINTULA, NEA JANETTE	3,013,938	PRIEUR, PAT	2,976,257
HEATCRAFT		LIU, JINZHONG	3,013,385	RADEL, JASON CARL	3,013,888
REFRIGERATION		LOACH, BRADY	2,976,257	RAHIMI, REZA	3,014,218
PRODUCTS LLC	3,013,116	LONG, JUN	2,976,863	RAMESH, DIVYA	3,012,647
HENBID, RICHARD WILLIAM	2,984,669	LORRAIN, BENOIT	3,014,412	RANDAL, CHAD ALLEN	3,013,910
HOFER, GREG	3,005,576	LSI INDUSTRIES, INC.	3,014,350	RAPLEY, ANTHONY	
HONG, LE-HOA	3,014,380	LU, TSUNG-HUA	2,975,748	CHARLES	3,006,207
HOSKINS, SHANE	2,976,863	MALEJKO, TYLER	2,976,501	RATTLEJACK INNOVATIONS	
HUGHES, CAITLIN EMMA		MALEPORT, JOEL J.	3,007,173	PTY LTD	3,013,987
MORRISSEY	2,988,847	MANTEIGA, JOHN ALAN	3,013,139	RECKER, KENT M.	3,013,836
HUNG, CHENG-HSIANG	3,014,003	MANTEIGA, JOHN ALAN	3,013,155	RECKER, KENT M.	3,013,837
HUO, YANYIN	3,013,382	MARTIN GMBH FUR		REICHARD, RONNAL P.	3,013,741
HUTCHEON, GEORGE BRUCE	3,013,885	UMWELT-UND		RHOADS, MARK ALAN	3,013,131
HUTCHEON, HEATH JOHN	3,013,885	ENERGIETECHNIK	3,012,378	RINGLINE, HAROLD	2,988,514
HYDRO-QUEBEC	2,976,241	MARTHIN, ULRICH	3,012,378	ROBITAILLE, ANDREW	3,013,019
IANNONE, LOUIS A.	3,013,729	MATHIYAZHAGAN, ROOBINI	3,014,377	ROENKER, DONALD	3,013,997
IMPERIAL OIL RESOURCES		MCBRIDE, SCOTT	2,976,495	ROLLS-ROYCE PLC	3,013,757
LIMITED	3,027,074	MCCLOUD, TRAVIS SMITH	3,013,741	ROMANO, FRANCISCO	3,014,380
INNOVATIVE POTENTIAL		MIGLANI, ADITI	3,014,309	ROWE, JASON	3,014,254
INC.	2,975,932	MIKUSZEIT, NIKOLAI	3,013,738	ROYAL BANK OF CANADA	3,014,309
INTEPLAST GROUP		MIKUSZEIT, NIKOLAI	3,013,739	ROYAL BANK OF CANADA	3,014,377
CORPORATION	3,014,205	MILLER, AARON	3,014,254	ROYAL BANK OF CANADA	3,014,385
ISLAM, MD SAYFUL	3,014,232	MILLER, GRAHAM HENRY	3,014,385	ROYAL BANK OF CANADA	3,014,402
JABLONSKY, DAVID S.	3,012,353	MIURA, SOICHIRO	3,013,923	RUMFELS, ERIC	3,014,309
JACOBSON, JOHN CARL	3,012,517	MONTY, JOSEPH DOUGLAS	3,012,517	RUWKA INC.	3,012,917
JENKINS, ANDREW JAMES	3,013,131	MORRISON, TODD	3,013,592	SABO, DAVID MARK	3,014,123
JOHNSON, CHAD M.	3,008,811	MOSHER, AARON Y.	3,002,083	SACHDEVA, DEEPIKA	3,013,131
JOHNSON, CHAD M.	3,008,815	MOUSSA, MICHAEL R.	2,992,646	SAKIMOTO, NOBUYA	3,013,976
JOHNSON, DANIEL E.	3,013,999	MOY CHEUNG, SULYN C.	2,977,924	SALATANDRE, EDGAR D.	3,013,483
JOY GLOBAL		MUKADI, JEAN PIERRE	2,976,242	SANTHANAM, RAM	3,014,380
UNDERGROUND MINING		NAEEMKHAN, KHAN	2,976,530	SAVOIE, STEPHEN HILTON	2,992,646
LLC	3,013,873	NAEEMKHAN, KHAN	2,982,037	SCHILLING, CHRISTIAN	3,013,739
JUTRAS, MONIQUE	3,013,903	NAJAFIFARD, FARDIS	3,013,116	SCHIMKE, SCOTT A.	2,986,711
KASHFUDDOJA,		NAKAZONO, YUJI	3,013,976	SCHNEIDER, MARK ROBERT	3,013,739
MOHAMMAD	3,013,131	NG, YIN MING SAMSON	2,976,863	SCHOENY, CHRISTOPHER	3,008,811
KAUSHIK, ANSHUL	3,013,131	NICHIA CORPORATION	3,013,923	SCHOENY, CHRISTOPHER	3,008,815
KELLY, JASON M.	3,014,234	NINETY7, INC.	3,013,811	SCHONSTEINER, MAX JOSEF	3,012,378
KHANDROS, MARAT	3,014,402	NIX, STEVIE K.	3,013,873	SCI-CHEM INTERNATIONAL	
KIM, HEE CHAN	2,985,212	NORTHERN DIGITAL INC.	3,013,738	PTY LTD	2,976,564
KIRSCH, STEFAN R.	3,013,739	NORTHERN DIGITAL INC.	3,013,739	SEEBER, MARCEL	3,012,509

**Index des demandes canadiennes mises à la disponibilité du public
10 février 2019 au 16 février 2019**

SHAH, AIYAZ A.	2,976,564	VERMEER MANUFACTURING	
SHORE ACRES ENTERPRISES		COMPANY	3,013,919
INC.	2,988,847	VERREAULT, SERGE	2,976,241
SIROLA, BRIEN TODD	2,988,847	VEYNA, GERARDO	3,014,380
SIROLA, DONALD BRIEN	2,988,847	VLAHAKIS, VAN	3,014,254
SIVAKUMAR,		VLAHAKIS-HANKS, KELLY	3,014,254
GANESHAMOORTHY	3,013,019	VON RAVEN, ROBERT	3,012,378
SLAWINSKA, ESTERA	3,013,139	WABASH NATIONAL, L.P.	3,013,741
SLAWINSKA, ESTERA	3,013,155	WALDIE, FRASER	2,976,254
SPINELLI, CHARLES B.	3,002,083	WALLEN, THOMAS A.	2,986,711
ST. LOUIS, CHARLES PLANT	3,014,385	WANG, JIANLIN	3,027,074
STORZ, SCOTT A.	3,013,741	WARNER, MEREDITH	3,013,747
STUDER RESIDENTIAL		WEATHERFORD	
DESIGNS, INC.	3,013,997	TECHNOLOGY	
STUDER, MICHAEL A.	3,013,997	HOLDINGS, LLC	3,012,661
STUDER, PAUL	3,013,997	WEST, SEAN PATRICK	3,006,370
STUTE, ROBERT JAMES	2,984,669	WHITING, LES	3,014,218
SUTTON, LEIGH MAURICE	3,013,987	WILSON, DOUG	3,014,380
SYED, ALI	3,014,402	WISCONSIN ALUMNI	
SYNAPTIVE MEDICAL		RESEARCH	
(BARBADOS) INC.	3,013,746	FOUNDATION	3,013,964
SYNAPTIVE MEDICAL		WITT, ROBERTO	3,012,509
(BARBADOS) INC.	3,014,228	WYLEZINSKI, ANDRZEJ	3,013,741
SYNCRUDE CANADA LTD. IN		XU, CHAO	2,976,782
TRUST FOR THE		YU, JINJUN	3,006,824
OWNERS OF THE		ZAGHIB, KARIM	2,976,241
SYNCRUDE PROJECT AS		ZAPOTOCNY, RYAN W.	3,013,964
SUCH OWNERS EXIST		ZERRES, OLAF	3,013,739
NOW AND IN THE		ZHANG, JUN	3,014,232
FUTURE	2,976,863	ZOUBI, ALAA	3,012,943
TALSMA, STEVEN D.	3,013,724		
TAYLOR, JOSEPH J.	3,012,747		
TEERANUKOOL, SOMPOP	3,014,205		
THE BOEING COMPANY	3,002,083		
THE BOEING COMPANY	3,007,173		
THE BOEING COMPANY	3,007,195		
THE BOEING COMPANY	3,008,090		
THE PROCTER & GAMBLE			
COMPANY	3,013,938		
THERRIAULT, DANIEL	2,976,782		
THOMPSON, KENT L.	3,013,836		
THOMPSON, KENT L.	3,013,837		
TIKUISIS, TONY	2,976,254		
TORNATECH INC.	3,014,412		
TOYOTA JIDOSHA			
KABUSHIKI KAISHA	3,013,976		
TREAD ENTERPRISES LTD.	3,013,613		
TRINITY RAIL GROUP, LLC	3,013,019		
TURCOTTE, NANCY	2,976,241		
TWEEDT, DANIEL			
LAWRENCE	3,013,156		
UCHIBEKE, UGOBAME I.	3,014,385		
UMEKAWA, KENGO	3,013,976		
UNKNOWN	3,014,368		
VALVEWORKS, LLC	3,013,999		
VAZHAYIL, SREENATH	3,014,377		
VENUS LABORATORIES, INC.	3,014,254		
VERMEER MANUFACTURING			
COMPANY	3,013,724		
VERMEER MANUFACTURING			
COMPANY	3,013,836		
VERMEER MANUFACTURING			
COMPANY	3,013,837		

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

3M INNOVATIVE PROPERTIES COMPANY	3,032,923	AIR SYSTEMS, INC. D.B.A. AIR SYSTEMS INTERNATIONAL, INC.	3,033,008	ANGIMMUNE, LLC	3,032,949
3M INNOVATIVE PROPERTIES COMPANY	3,033,069	AIRBUS DEFENCE AND SPACE LIMITED	3,033,551	ANHEUSER-BUSCH INBEV S.A.	3,032,900
3M INNOVATIVE PROPERTIES COMPANY	3,033,535	AITKEN, BRIAN	3,033,154	ANHEUSER-BUSCH INBEV S.A.	3,032,902
9FIBER, INC.	3,033,293	AJINOMOTO CO., INC.	3,033,272	ANKAM, RAJESH	3,023,355
A.L.M HOLDING COMPANY	3,033,251	AJINOMOTO CO., INC.	3,033,334	ANTARES VISION S.R.L.	3,032,888
AAKERNES, JOHN BERTIL	3,033,054	AJOU UNIVERSITY		ANTEL, NICHOLAS RAY	3,033,220
AAKERNES, JOHN BERTIL	3,033,529	INDUSTRY-ACADEMIC COOPERATION FOUNDATION	3,033,475	AOYAMA, KAZUYA	3,033,048
ABB SCHWEIZ AG	3,033,409	AKAHORI, HIROFUMI	3,033,587	APOLLO ENDOSURGERY US, INC.	3,033,515
ABB SCHWEIZ AG	3,033,503	AKIYAMA, TOSHIYUKI	3,033,180	ARCHE, ULISES PARDO	3,032,966
ABE, KENJI	3,033,334	AKKARAKARAN, SONY	3,033,106	ARCHIBALD, THOMAS EDWIN	3,033,520
ABFERO PHARMACEUTICALS, INC.	3,032,837	AKKARAKARAN, SONY	3,033,274	ARENA PACKAGING, LLC	3,033,371
ABOELELLA, NERMEEN W.	3,033,234	ALAGIA, NICOLA ANTONIO	3,033,232	ARENA PHARMACEUTICALS, INC.	3,033,142
ABRAHAM, MARIO	3,033,576	ALAR PHARMACEUTICALS INC.	3,033,046	ARENA, CHARLES S.	3,033,371
ABRAKADABRA REKLAM VE YAYINCILIK LIMITED SIRKETI	3,033,169	ALEKSANDROV, ALEKSEI ALEKSANDROVICH	3,033,063	ARENDR, ELKE	3,032,900
ABRAMOV, NATALIE	3,033,408	ALEXANDER, CHRIS	3,026,668	ARENDR, ELKE	3,032,902
ACCOGLI, ALESSANDRA	3,033,233	ALFAKJN S.R.L.	3,033,026	AREVALO, HECTOR ALEJANDRO	3,033,313
ACCURIDE INTERNATIONAL GMBH	3,033,031	ALI, MOHAMMED HANIF	3,032,897	ARGENTUM ELECTRONICS, INC.	3,033,442
ACR II ALUMINIUM GROUP COOPERATIEF U.A.	3,032,913	ALKAHEST, INC.	3,033,051	ARGIN, SANEM	3,033,070
ADAMIS PHARMACEUTICALS CORPORATION	3,033,065	ALKAN, VELI	3,033,369	ARHANCET, GRACIELA B.	3,032,954
ADAMS, MICHAEL	3,033,080	ALLAERT, YANNICK	3,033,332	ARICHA, REVITAL	3,033,408
ADOLFSEN, KRISTIN J.	3,033,374	ALLEN, EDWARDS M.	3,033,373	ARIEY, FREDERIC	3,033,016
AERIE PHARMACEUTICALS, INC.	3,033,184	ALLEN, GEORGE	3,033,502	ARISTIZABAL, MAURICIO	3,033,503
AEROFIT.DK APS	3,033,216	ALLERGAN, INC.	3,033,536	ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY	3,033,518
AFFINIO INC.	3,033,201	ALLERGAN, INC.	3,033,546	ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA	3,033,055
AFFINIO INC.	3,033,207	ALLIANCE EVANGELIQUE REFORMEE - INSTITUT FAREL, FACULTE DE THEOLOGIE REFORMEE DE QUEBEC	3,032,905	ARKELL, ANDERS	3,033,451
AFL TELECOMMUNICATIONS LLC	3,033,175	ALLSTATE INSURANCE COMPANY	3,033,215	ARKINSTALL, STEPHEN JOHN	3,032,897
AG EQUIPMENT IP HOLDING COMPANY, INC.	3,033,166	ALLSTATE INSURANCE COMPANY	3,033,514	ARMSTRONG WORLD INDUSTRIES, INC.	3,033,390
AGADA MEDICAL LTD.	3,033,354	ALMEIDA, LAUREN J.	3,032,945	ARNOLD, BENJAMIN	3,033,091
AGARWAL, PIYUSH	3,023,355	ALSBERG, KEITH DANIEL	3,033,377	ARNOLD, STEPHEN C.	3,033,154
AGJUNCTION LLC	3,033,278	ALSOP, DAVID	3,033,346	ARONIN, NEIL	3,033,368
AGRAWI, AHMED ADNAN	3,033,397	ALT INNOVATIONS LLC	3,033,098	ARPIN, KEVIN A.	3,032,881
AGRICULTURAL TECHNOLOGY RESEARCH INSTITUTE	3,033,143	AMANULLAH, MD	3,033,137	ARROWHEAD PHARMACEUTICALS, INC.	3,032,945
AGRICULTURE VICTORIA SERVICES PTY LTD	3,033,402	AMGEN INC.	3,032,963	ARTHUR, JONATHAN B.	3,033,069
AGRICULTURE VICTORIA SERVICES PTY LTD	3,033,405	AMO DEVELOPMENT, LLC	3,033,355	ASANO, YASUTOMI	3,033,461
AGRINOS AS	3,033,072	AMOS, DAVID	3,033,066	ASHITANI, HIROAKI	3,033,275
AGUDO CRESPO, MARIA BELEN	3,033,541	ANAND, KARANDEEP	3,033,159	ASLANIAN, ARTUR MIKHAILOVICH	3,032,940
AHUJA, PRAKASH	3,033,159	ANDERSON, ERIC	3,033,351	ASPECT IMAGING LTD.	3,033,328
AIMVION A/S	3,033,262	ANDREEV, KIRILL	3,033,068	ASSELIN, EDOUARD	3,032,992
		ANDRESEN, BJORG	3,032,787		
		ANDRESEN, BJORG	3,032,788		
		ANDROID INDUSTRIES LLC	3,033,519		
		ANGIBAUD, PATRICK RENE	3,033,020		
		ANGIBAUD, PATRICK RENE	3,033,239		

Index des demandes PCT entrant en phase nationale

ASSISTANCE PUBLIQUE- HOPITAUX DE PARIS (AP- HP)	3,033,446	BAWRI, BINOD KUMAR	3,033,149	BLANCO-HERAS, GUSTAVO	3,033,203
ASTRONICS ADVANCED ELECTRONIC SYSTEMS CORP.	3,033,029	BAYER CROPSCIENCE AKTIENGESSELLSCHAFT	3,033,226	BLANDINO, MAUREEN	3,033,329
AT&T INTELLECTUAL PROPERTY I, L.P.	3,033,252	BAYLOR COLLEGE OF MEDICINE	3,032,970	BLAZE BIOSCIENCE, INC.	3,033,004
ATCHLEY, MICHAEL D.	3,033,060	BAYLOR RESEARCH INSTITUTE	3,032,827	BLOEDORN, KARL W.	3,033,069
ATKINS, ARIEL	3,033,086	BAZOR, BEN	3,033,064	BLONDEEL, ERIC	3,032,863
AU, VAN	3,033,228	BEAVER, MATT	3,032,963	BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM	3,032,970
AUBRY, XAVIER	3,033,139	BECTON, DICKINSON AND COMPANY	3,033,266	BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM	3,033,003
AUREOGEN BIOSCIENCES, INC.	3,033,500	BEGHAIN, JOHANN	3,033,016	BODDU, JAYANAND	3,033,373
AUSTIN AI, INC.	3,033,198	BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.	3,014,482	BOEHRINGER INGELHEIM INTERNATIONAL GMBH	3,033,058
AUSTRALIAN INSTITUTE OF ROBOTIC ORTHOPAEDICS PTY LTD	3,033,200	BEIJING JINGDONG CENTURY TRADING CO., LTD.	3,032,874	BOGYO, MATTHEW S.	3,033,092
AUTEF, ALEXANDRE	3,032,884	BEIJING JINGDONG SHANGKE INFORMATION TECHNOLOGY CO, LTD.	3,032,874	BONACCI, ENZO	3,033,236
AVANZI, MAURO P.	3,032,838	BEITZ, MANUEL	3,033,425	BONARDI, MASSIMO	3,032,888
AVIGAD, GIDEON	3,033,124	BELASSEL, MOHAMMED	3,033,090	BOND, STEPHEN	3,033,572
B.R.A.H.M.S GMBH	3,033,094	BELCHIM CROP PROTECTION NV	3,033,321	BONFOEY, DAVID J.	3,032,935
B.R.A.H.M.S GMBH	3,033,102	BELL, DAVID	3,033,051	BONIFACE, JOHN JAY	3,032,944
BAARDMAN, ROLF HUIBERT	3,033,425	BENNETT, ROBERT	3,033,252	BONORDEN, WILLIAM	3,033,212
BABAEI, ALIREZA	3,033,386	BENTLEY, ALAN RAY	3,032,894	BOR, BRYAN DANIEL	3,033,484
BACHMAN, ALAN	3,032,932	BENTLEY, ALAN RAY	3,032,908	BORUD, ERIC J.	3,033,104
BACK, CHRISTINA	3,033,391	BERG, THOMAS R.	3,033,126	BOSTON ELECTROMETALLURGIC AL CORPORATION	3,033,192
BACK, OLIVIER	3,032,875	BERGERON, RAYMOND J., JR.	3,032,837	BOSTON SCIENTIFIC LIMITED	3,032,763
BADRAK, ROBERT P.	3,012,155	BERGHOLDT, RUDY	3,033,216	BOSTON SCIENTIFIC NEUROMODULATION CORPORATION	3,033,554
BADRAK, ROBERT P.	3,012,156	BERGMAN, TODD M.	3,033,390	BOSTON SCIENTIFIC SCIMED, INC.	3,033,084
BAE SYSTEMS BOFORS AB	3,033,480	BERISA, TOMAZ	3,033,521	BOTHA, MARCEL	3,033,067
BAEK, GI SUN	3,032,806	BERNINGER, PHILIPP	3,033,246	BOTT, RICHARD R.	3,033,369
BAENNINGER, PHILIPPE	3,033,236	BERTHOUS, ALEXANDRE	3,033,100	BOULINEAU, MICHAEL S.	3,033,550
BAHRAMI, SHERVIN	3,033,262	BERTUCH, ALISON A.	3,032,970	BOURKE, PETER GERARD	3,033,482
BAILIE, WILLIAM	3,033,513	BESSEN, JEFFREY L.	3,033,327	BOWEN, ADAM	3,033,086
BAK, YOUN-KYUNG	3,032,934	BETH ISRAEL DEACONESS MEDICAL CENTER, INC.	3,033,346	BOWMAN, BRIAN	3,033,091
BAK, YOUN-KYUNG	3,033,056	BHARATE, SANDIP BIBISHAN	3,033,569	BOYD, BROOKS	3,032,996
BAKER HUGHES, A GE COMPANY, LLC	3,033,347	BHOSALE, VIKRAM MANSINGH	3,023,355	BOYER, WILLIAM	3,033,090
BAKER HUGHES, A GE COMPANY, LLC	3,033,348	BHYRAPUNENI, GOPINADH	3,033,039	BRABEZ, NABILA	3,033,087
BAKER HUGHES, A GE COMPANY, LLC	3,033,360	BHYRAPUNENI, GOPINADH	3,033,050	BRADFORD, ROCHELLE F.	3,032,809
BAKER, ANDREW	3,032,747	BIANCHI, ZEV	3,033,023	BRADLEY, PATRICK MICHAEL	3,033,523
BALL CORPORATION	3,032,935	BICKELL, AARON	3,032,883	BRADY, ANDREW	3,033,291
BALL CORPORATION	3,032,964	BIEHLER, MANFRED	3,033,081	BRAINSTORM CELL THERAPEUTICS LTD	3,033,408
BALLOT, STEPHAN M.	3,032,738	BIGBEN INTERACTIVE SA	3,033,332	BRAITHWAITE, STEVEN P.	3,033,051
BANNO, HIROSHI	3,033,461	BIGELOW, DAVID	3,032,767	BRATTON, RODNEY ALLAN	3,033,350
BARNICKEL, DONALD J.	3,033,252	BILGEN, MUSTAFA	3,033,234	BRAVO ESPINOSA, DAVID	3,032,913
BARON, YORAM	3,033,594	BIO SCIENCE CO., LTD.	3,032,928	BREADMORE, MICHAEL CHARLES	3,033,203
BARRETT, LEE	3,032,751	BIRCHBAUER, JOSEF ALOIS	3,033,123	BREDENKAMP, JAMES	3,033,188
BARRON, ANDREW	3,033,208	BIRKMEYER, PAUL M.	3,032,941	BRENTJENS, RENIER J.	3,032,838
BARRON, JACK	3,033,352	BISCANS, ANNABELLE	3,033,368	BRESSON, DAMIEN	3,032,952
BARZEGAR, FARHAD	3,033,252	BISHOP-HURLEY, GREG	3,026,605	BREWSTER, MEGAN MARIE	3,032,757
BASF COATINGS GMBH	3,033,160	BISKEY, JOHN	3,033,540	BRIDGERS, LOREN DANIEL	3,033,227
BASF SE	3,033,062	BLACKBURN, THOMAS RALPH, III	3,033,157	BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED	3,033,324
BASF SE	3,033,313	BLACKWELL, SHANE	3,033,114	BROHIER, NATASHA DENISE	3,033,402
BASTOS, CARLOS	3,033,422	BLAICHER, MATTHIAS	3,033,331	BROHIER, NATASHA DENISE	3,033,405
BASTOS, MARGARITA	3,032,932	BLAIR, GEORGE R.	3,033,337	BROMLEY, ALICE CLAIRE NOEL	3,033,267
BATOCHIR, CHINBAYAR	3,033,474	BLAIR, JEFF R.	3,033,337		
BAUER HOCKEY LTD.	3,033,353				
BAUERSCHLAG, NILS	3,033,198				
BAUMGARDNER, GAYLON L.	3,033,251				
BAUR, FRANZ	3,033,414				

Index of PCT Applications Entering the National Phase

BROWN, DAVID DUANE	3,032,832	CHARLES, PIERRE-EMMANUEL	3,033,094	CLEARY, ESTHER	3,033,240
BROWN, DEREK	3,033,551	CHARLES, PIERRE-EMMANUEL	3,033,102	CLIFTON, ERIC DOUGLASS	3,033,258
BROWN, JEFF	3,033,550	CHAUDHURI, BHABATOSH	3,033,569	COCKER, JONATHAN DAVID	3,033,575
BRUCKNER, JAN	3,032,784	CHEEVASRIRUNGRUANG, WATCHAREE	3,033,012	CODY, WILLIAM EDWARD	3,033,186
BRUGGER, NADIA	3,033,240	CHEEVASRIRUNGRUANG, WATCHAREE	3,033,116	COGNIAN TECHNOLOGIES LTD	3,033,194
BRUNETTI, SIMONE	3,033,233	CHEN, HONGYU	3,033,453	COHEN, EDWARD AARON	3,033,064
BULLING, KATHARINA	3,033,454	CHEN, JIANYONG	3,033,223	COHEN, ISAAC DAVID	3,033,383
BULLING, KATHARINA	3,033,561	CHEN, KAILIANG	3,032,962	COHEN, YORAM	3,033,328
BURCHARD, JULJA	3,032,944	CHEN, LIANG	3,033,144	COLES, ANDREW	3,033,368
BURCHARD, PAUL	3,033,489	CHEN, NANHAI	3,033,512	COLLINS, GARETH	3,033,325
BURDOUCCI, ROMELLO	3,033,101	CHEN, SHANYIN	3,032,927	COLLINS, SCOTT RILEY	3,033,484
BURKE, STEVEN KEITH	3,032,837	CHEN, WANSHI	3,033,177	COLON, BRENDEN CRUZ	3,033,167
BURKE, TIMOTHY ANDREW	3,033,201	CHEN, XIANGYANG	3,032,921	COMBS, NATHAN KYLE	3,032,832
BURSHTEIN, GREGORY	3,033,259	CHEN, XIAOLING	3,033,240	COMCAST CABLE COMMUNICATIONS, LLC	3,033,386
BURSULAYA, BADRY	3,033,249	CHEN, XUHUI	3,032,916	COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION	3,026,605
BURSULAYA, BADRY	3,033,253	CHEN, YANG	3,033,144	COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION	3,032,867
BUSHMAN, RICHARD P.	3,033,359	CHEN, YING	3,033,537	COMPER, FABRIZIO	3,033,082
BUTTERFIELD, JOHN THOMAS	3,032,947	CHEN, ZENG-WENG	3,033,143	COMTOIS, KARL	3,033,198
BUTTERFLY NETWORK, INC.	3,032,962	CHENEY, DANIEL W.	3,033,224	COMTOIS, RICK	3,033,198
BYERLY, ROY HOWARD	3,033,232	CHENG, ALAN T.	3,033,526	CONGDON, DANIEL	3,032,763
BYUN, SUNG BAE	3,032,934	CHENG, DEREK CHIRK YIN	3,033,159	CONGDON, DANIEL	3,033,084
BYUN, SUNG BAE	3,033,056	CHENG, LIANG	3,032,923	CONGLETON, TYLER G.	3,033,224
C.R. BARD, INC.	3,033,388	CHENG, QIONG	3,033,369	CONMED CORPORATION	3,033,525
CA CASYSO GMBH	3,033,000	CHENG, YILONG	3,032,839	CONRADI, BERND	3,033,406
CAI, YU	3,033,450	CHERNOVSKAYA, TATIANA VENIAMINOVNA	3,033,063	CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS (CSIC)	3,032,891
CAKMAK, MESUT	3,032,872	CHERNYAK, DIMITRI	3,033,355	CONTINE CORPORATION	3,033,498
CALIWAY BIOPHARMACEUTICALS CO., LTD.	3,033,041	CHERNYKH, YULIA SERGEEVNA	3,033,063	CONTRAST, INC.	3,033,242
CALLAWAY, MARK	3,033,074	CHEUNG, LAWRENCE CHIH-HUI	3,033,185	COOK, DANIEL	3,032,956
CAMPBELL, JAMIE IAIN	3,032,897	CHEUNG, LAWRENCE CHIH-HUI	3,033,189	COOPER, DAVID JAMES	3,033,110
CANDELARIA, ADRIAN BEAU	3,032,998	CHEVRON U.S.A. INC.	3,033,575	CORAH, SUSAN	3,033,197
CANTINI, STEFANO	3,033,248	CHIASSON, DAVID WESLEY	3,033,384	CORIOLIS GROUP	3,033,317
CANTRELL, ROBERT	3,033,213	CHIPPER, RICHARD	3,033,200	CORNELL, MICHAEL	3,033,095
CAO, YONGZHAO	3,033,538	CHISHOLM, HELEN	3,033,107	CORNING OPTICAL COMMUNICATIONS LLC	3,033,384
CARGILL, INCORPORATED	3,033,254	CHO, YOUNG-GYU	3,032,806	CORREAS LOPEZ, COVADONGA	3,033,208
CARGILL, INCORPORATED	3,033,357	CHOI, DONG KI	3,033,475	CORRENTI, COLIN	3,033,004
CARLO, DENNIS J.	3,033,065	CHOI, HYE JI	3,033,475	COSANO, ROGER	3,033,497
CARLSON, PAUL	3,033,043	CHOI, HYO-JICK	3,033,013	COSTON, BRIAN	3,033,244
CARRIER CORPORATION	3,032,865	CHOI, JONG MIN	3,032,934	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	3,033,569
CARY, DOUGLAS ROBERT	3,033,461	CHOI, JONG MIN	3,033,056	COX POWERTRAIN LIMITED	3,032,895
CASPER, JOSEPH R.	3,032,836	CHOI, SONG A	3,032,806	CRAIN, STEVEN P.	3,033,224
CASPERS, BERNHARD	3,032,904	CHOI, YOONHA	3,033,241	CRITCHFIELD, GREG CHARLES	3,032,944
CATERPILLAR INC.	3,033,341	CHOI, YOUNG SUNG	3,032,965	CROOK, ZACHARY	3,033,004
CAVALLO, CLAUDIO	3,032,907	CHOLKAMY, HUSSEIN	3,032,956	CROSS, KAREN MARGARET	3,033,416
CEBALLOS-PICOT, IRENE	3,033,446	CHR. HANSEN A/S	3,033,556	CROSSTEX INTERNATIONAL, INC.	3,033,359
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	3,033,016	CHR. HANSEN NATURAL COLORS A/S	3,033,449	CROWTHER, CLAIRE	3,033,518
CERIER, JEFFREY	3,033,277	CHU, CHUN KWONG	3,032,995	CRRC QINGDAO SIFANG CO., LTD.	3,033,231
CERVELLO, STEVEN	3,033,248	CHUNG, WOOKYUNG	3,033,107	CRUZ, AMOS	3,033,277
CHAE, PIL SEOK	3,033,172	CINDRICH, CHRISTOPHER	3,033,080	CSI TECHNOLOGIES, LLC	3,032,832
CHAIKIND, BRIAN	3,033,327	CITY OF HOPE	3,033,512		
CHAKRABORTY, KAUSHIK	3,033,274	CJ CHEILJEDANG CORPORATION	3,032,934		
CHAKRAVARTY, JAYANT	3,033,069	CJ CHEILJEDANG CORPORATION	3,033,056		
CHALK, JULIE ANN	3,033,384	CLARK, BARRY ALLAN	3,033,519		
CHAMBERT, MARTIN	3,033,353	CLARK, CHRISTOPHER J.	3,033,126		
CHAMPION, BRIAN ROBERT	3,033,267				
CHANG, CHI-HAN	3,033,506				
CHANG, ERIC	3,033,144				
CHANG, FRANK	3,033,595				
CHANG, FRANK	3,033,596				

Index des demandes PCT entrant en phase nationale

CSM BAKERY SOLUTIONS		DENTSPLY DETREY GMBH	3,033,559	DREYER, FRAUKE	3,033,102
EUROPE HOLDING B.V.	3,033,006	DENTSPLY IMPLANTS NV	3,033,040	DRIEMAN, JOHANNES	
CUI, CUNQI	3,033,536	DERKX, PATRICK	3,033,556	GABRIEL MARIE	3,033,281
CUI, SHENG	3,032,963	DESHPANDE, SACHIN G.	3,033,176	DROVER, CHRISTOPHER	3,032,960
CUMMINGS, CHRISTOPHER	3,033,365	DESNOUCK, JOHAN	3,033,321	DSM IP ASSETS B.V.	3,033,243
CUPETT, MATTHEW	3,033,503	DESTRIKATS, MATHIEU		DSM IP ASSETS B.V.	3,033,281
CURDT, INGO	3,033,094	JULIEN	3,033,107	DUBEY, ASHISH	3,032,828
CURTISS, CHARLES AARON	3,033,383	DEVINE, JENNIFER M.R.	3,033,109	DUBEY, ASHISH	3,032,829
CVETEZAR, BRIAN	3,032,933	DEVITT, SHAUN R.	3,033,314	DUBEY, ASHISH	3,032,833
CVETEZAR, ERNIE	3,032,933	DEVONE, SABRINA	3,033,088	DUBEY, ASHISH	3,032,834
CVETEZAR, JEFF	3,032,933	DEWITT, ROBERT R.	3,032,968	DUBOV, ADAM MARK	3,033,484
CZUBAK, ROMAN	3,033,335	DEYBER, HELENE	3,033,107	DUCHARME, DUSTIN	3,033,269
DA SILVA, ICARO	3,033,555	DEZAWA, MARI	3,032,917	DUDOYER, STEPHEN	3,033,332
DAEMO ENGINEERING CO.,		DEZAWA, MARI	3,032,920	DUIS, DONNIE	3,033,154
LTD.	3,033,338	DEZAWA, MARI	3,032,925	DULLSTEIN, STEFAN	3,033,054
DAGAN, ADI	3,033,354	DHATRAK, CHANDRAKANT	3,023,355	DULLSTEIN, STEFAN	3,033,529
DAHL, ESPEN	3,032,948	DHAWAN, SUMEET	3,033,452	DUMBLE, STEVEN J.	3,033,278
DALLMANN ENGINEERING &		DHERE, RAJEEV		DUNCTON, MATTHEW	3,032,830
SERVICE	3,033,085	MHALASAKANT	3,032,901	DUNMAN, PAUL M.	3,032,971
DALLMANN, WINFRIED	3,033,085	DHILLON, BRAHAM K.	3,033,476	DUNN, MATTHEW R.	3,033,374
DALMA-WEISZHAUSZ,		DHONDT, STIJN	3,033,103	DURU, VALENTINE	3,033,016
DENNISE	3,033,188	DHUPPAD, ULHAS R.	3,023,355	DYSZLEWSKI, ANDREW D.	3,033,440
DAMEA, DANIEL	3,032,785	DI GUILIO, NICOLA	3,032,787	E.I. DU PONT DE NEMOURS	
DANA-FARBER CANCER		DI GUILIO, NICOLA	3,032,788	AND COMPANY	3,033,369
INSTITUTE, INC.	3,033,542	DIAMOND, BETTY A.	3,032,794	E.ON SVERIGE AB	3,033,112
DANDURAND, DUWAYNE	3,033,098	DICOSIMO, ROBERT	3,033,369	EAGLESHAM, DAVID	3,033,511
DANG, VU	3,033,051	DIENES, THOMAS	3,033,031	EATON INTELLIGENT POWER	
DANN, ORELIA ELIZABETH	3,033,006	DIES, HANNAH	3,033,447	LIMITED	3,032,836
DAS, MANABENDRA	3,033,172	DIETRICH, CHARLES R.	3,033,373	ECO BIO PLASTICS MIDLAND	
DAVID, HELENE	3,033,444	DIETRICH, PHILIPP-		INC.	3,032,929
DAVIDSON, SOPHIE		IMMANUEL	3,033,331	ECO RESEARCH INSTITUTE	
ELIZABETH	3,033,402	DILL, BRIAN	3,032,883	LTD.	3,032,929
DAVINCIA INC.	3,033,132	DINAN, ESMAL	3,033,386	EDERY AZULAY, LUCY	3,033,052
DAVIS, ALLEN P.	3,033,516	DING, ZHIHUI	3,032,916	EDMUNDS, STEPHANIE	3,033,325
DAVIS, JACK	3,032,859	DIOP, SEYDOU	3,032,998	EDWARDS, JACQUELINE	3,033,405
DAVYDOV, DMITRY		DIRTT ENVIRONMENTAL		EICHNER, JEAN-MARIE	3,033,278
ALEKSANDROVICH	3,032,940	SOLUTIONS, LTD.	3,033,392	EINSPANIER, ALMUTH	3,033,318
DE CLERCQ, NATHALIE	3,033,254	DISHCRAFT ROBOTICS, INC.	3,032,941	EISELE PNEUMATICS GMBH	
DE LAAT, WILHELMUS		DISKO, MARK M.	3,032,860	& CO. KG	3,032,880
THEODORUS ANTONIUS		DITTMAR, RAINER	3,033,322	EKANAYAKE, PIYUMI	
MARIA	3,033,424	DIXON, DAVID	3,032,992	NIROSHINI	3,033,405
DE LONLAY, PASCALE	3,033,446	DO, HIEP	3,033,388	EKBOTE, SHASHANK	3,032,959
DE MONTFORT UNIVERSITY	3,033,569	DOCHERTY, JAMES	3,033,337	EKBOTE, SHASHANK	3,032,965
DEANTONIO, CECILIA	3,032,897	DOCOSLIS, ARISTIDES	3,033,447	EKSTROM, FRED M.	3,032,738
DEC, ANDRZEJ	3,033,096	DOE, ROBERT ELLIS	3,033,511	EL-KADY, MAHER F.	3,033,140
DECAMP, RONALD	3,033,219	DOHRING, DIETER	3,033,081	ELC MANAGEMENT LLC	3,033,383
DECHELETTE, ALEXIS MARIE		DOMTAR PAPER COMPANY,		ELDOLAB HOLDING B.V.	3,033,316
ADOLPHE	3,033,314	LLC	3,033,420	ELENA FITO, SANTIAGO	
DECK, CHRISTIAN PETER	3,033,391	DONDERICI, BURKAY	3,033,161	FRANCISCO	3,032,891
DECKMAN, HARRY W.	3,033,235	DONG, CHAO	3,033,459	ELHAMMER, AKE P.	3,033,500
DEDERICH, GEORGE	3,032,836	DOOSAN FUEL CELL		ELI LILLY AND COMPANY	3,033,232
DELARVIN, SCOTT	3,033,166	AMERICA, INC.	3,032,831	ELI LILLY AND COMPANY	3,033,377
DELGRANGE, FANNY	3,033,246	DOOSAN FUEL CELL		ELLER, ZEKE	3,033,080
DELONG, MITCHELL A.	3,033,184	AMERICA, INC.	3,032,881	ELLIOT, NATHANIEL A.	3,033,205
DEMARIA, CHRISTOPHER		DOW GLOBAL		ELLIPSE WORLD S.A.	3,033,323
JOHN	3,033,377	TECHNOLOGIES LLC	3,033,224	ELLIPSE WORLD S.A.	3,033,326
DEMIR, OKAN	3,033,070	DOW GLOBAL		ELMALEH, DAVID P.	3,033,079
DEMIRORS, MEHMET	3,033,234	TECHNOLOGIES LLC	3,033,234	ELSNER, OLIVER	3,033,559
DEMYDCHUK, MYKHAYLO	3,033,082	DOW GLOBAL		EMANUEL, MICHAEL	3,033,258
DEN HARTOG, BRYAN	3,033,269	TECHNOLOGIES LLC	3,033,453	EMBSE, RICHARD VONDER	3,032,954
DENG, XIANMING	3,033,459	DPS BRIDGE WORKS CO.,		EMERAMED LIMITED	3,032,858
DENG, ZHOU	3,033,459	LTD.	3,033,593	EMULATED, INC.	3,032,997
DENIS, YOANN	3,033,043	DREIFERT, THOMAS	3,032,898	ENDURALOCK, LLC	3,033,078
DENISART, JEAN-LUC	3,033,236	DREIFERT, THOMAS	3,033,552	ENEVOLV, INC.	3,033,374

Index of PCT Applications Entering the National Phase

ENGELMANN, CARL	3,033,540	FELLOWS, ALAN		FRED HUTCHINSON CANCER	
ENTERA BIO LTD.	3,033,259	CHRISTOPHER	3,033,325	RESEARCH CENTER	3,033,004
EOSERA INC.	3,033,351	FENAROLI, MARCO	3,033,248	FRED L., JONES	3,032,929
ERASMUS UNIVERSITY		FENECH MARTINEZ, MARIA		FREDA, MARTINO M.	3,033,509
MEDICAL CENTER		MAR	3,032,891	FREEDMAN, JOSHUA DAVID	3,033,267
ROTTERDAM	3,032,911	FERNANDEZ RIVERA,		FREEMAN, EUAN	3,032,895
ERGON ASPHALT &		CATALINA	3,032,913	FREEMAN, JAMES JOSEPH	3,033,360
EMULSIONS, INC.	3,033,251	FERRARI, ALESSIO	3,033,026	FREIRE, RAMON	3,033,477
ERICKSON, SHAWN	3,033,212	FG INNOVATION COMPANY		FRESENIUS MEDICAL CARE	
ERIKSSON, GORAN	3,033,409	LIMITED	3,033,146	HOLDINGS, INC.	3,032,751
ERLE, ULRICH JOHANNES	3,033,452	FICK, DANIEL PAUL	3,033,200	FRESWIN ENGINEERING PTY	
ERNDT, ZACHARY	3,032,967	FIELDING, ALEX	3,033,108	LTD	3,033,283
ERNEO		FIFE, KEITH G.	3,032,962	FRIEDMAN, TODD C.	3,033,440
ENERGIESPEICHERSYST		FINDLEY, MOLLY	3,032,750	FRITSCHKE, JENS	3,033,115
EME GMBH	3,033,097	FINOCCHIO, HENRIQUE	3,033,412	FUHR, ADAM CURTIS	3,033,522
ESCOBEDO, CARLOS	3,033,447	FISCH, ANDREAS	3,033,249	FUJIFILM CELLULAR	
ESCOTT, ADRIAN EDWARD	3,033,019	FISCH, ANDREAS	3,033,253	DYNAMICS, INC.	3,033,205
ESCOTT, ADRIAN EDWARD	3,033,131	FISCHER, REINER	3,033,226	FUJIMOTO, JUN	3,033,461
ESKANDER, TAMER	3,033,059	FISHER & PAYKEL		FUJIWARA, HIROMI	3,033,593
ESPER, CLAUDIA	3,033,062	HEALTHCARE LIMITED	3,033,581	FUKAMORI, RYOSUKE	3,033,053
ESSEBAG, JACQUES	3,033,323	FISHER, KERRY DAVID	3,033,267	FUKE, KAZUHIRO	3,032,915
ESSEBAG, JACQUES	3,033,326	FITCH, BRENDAN	3,033,247	FULTON, R. SCOTT	3,033,165
ESSITY HYGIENE AND		FITCH, CAMERON	3,033,247	FUNADA, NAOYUKI	3,033,302
HEALTH AKTIEBOLAG	3,033,043	FITZPATRICK, PATRICK JOHN	3,033,445	FURSA, OLEG	3,032,879
ESTEVEZ, RAMON	3,033,084	FLEISCHER, TRACEY		FURU-SZEKELY, ZOLTAN	
EUROMEDICAL S.R.L.	3,033,237	CRISTINE	3,032,944	KALMAN	3,033,078
EVANS, ALICIA JERRAM		FLEISCHMANN, YORAM	3,033,354	FUTAKI, HISASHI	3,033,466
HUNTER	3,033,581	FLENDER, MICHAEL	3,033,457	GA GENERIC ASSAYS GMBH	3,033,035
EVDOKIMOV, STANISLAV		FLETCHER, DOUGLAS D.	3,033,069	GAAL, PETER	3,033,177
RUDOLFOVICH	3,033,063	FLETCHER, RICHARD	3,033,357	GADONNIEX, DENNIS	
EVE RUBBER INSTITUTE CO.,		FLEXITALLIC INVESTMENTS,		MICHAEL	3,032,865
LTD.	3,032,907	INC.	3,033,572	GADRE, ANIRUDDHA	3,033,163
EVINS, A. EDEN	3,032,999	FLIES, DALLAS BENJAMIN	3,033,571	GALAEV, IGOR	3,033,243
EVULET, ANDREI	3,032,950	FLOCON, INC.	3,032,738	GALILEO WHEEL LTD.	3,033,052
EWING, DANIEL	3,033,347	FLORES-PUJOL, ALBERTO	3,033,546	GALITZER, HILLEL	3,033,259
EWING, DANIEL	3,033,360	FLUIDIGM CANADA INC.	3,032,861	GALLAGER, IAN	3,033,051
EXVIVO LABS INC.	3,032,863	FLUOR TECHNOLOGIES		GALLAGHER, THOMAS	3,032,897
EXXONMOBIL RESEARCH		CORPORATION	3,033,088	GALLAGHER, TIMOTHY	
AND ENGINEERING		FLYING WHALES	3,023,527	CHARLES	3,032,899
COMPANY	3,033,087	FM MARKETING GMBH	3,033,118	GALLEGO MURILLIO, JOAN	
EXXONMOBIL UPSTREAM		FOBEL, CHRISTIAN	3,033,398	SEBASTIAN	3,033,424
RESEARCH COMPANY	3,033,179	FOBEL, RYAN	3,033,398	GALLO, RICCARDO	3,033,248
EXXONMOBIL UPSTREAM		FOLLMAN, MARK	3,032,932	GALOPIN, CHRISTOPHE	3,033,212
RESEARCH COMPANY	3,033,235	FONG, YUMAN	3,033,512	GALVIN, KEVIN PATRICK	3,032,864
EXXONMOBIL UPSTREAM		FORGET, NATHALIE	3,033,132	GAMBARINI, ERIK	3,032,903
RESEARCH COMPANY	3,033,363	FORSCHLER, ROBERT D.	3,032,738	GANANCIAL SANTOS,	
EXXONMOBILE UPSTREAM		FORTIER, MICHAEL	3,033,126	ARLENE JOY	3,033,484
RESEARCH COMPANY	3,032,860	FOX, ANDREW R.	3,032,923	GAND, FRANCOIS	3,033,504
EYER, MARK	3,033,345	FRANC, PIERRE-ETIENNE	3,033,068	GAO, BO	3,033,163
EYER, MARK	3,033,356	FRANK'S INTERNATIONAL,		GAO, HONGZHEN	3,033,231
F. HOFFMANN-LA ROCHE AG	3,033,250	LLC	3,032,892	GAO, YANJIE	3,033,144
FACEBOOK, INC.	3,033,159	FRANK, CARSTEN	3,033,457	GARCIA, FLORENCIO	3,032,757
FALAH, SAMER	3,033,095	FRASER, JACOB	3,032,997	GARCIA-RATES, SARA	3,033,497
FALC, ALAIN	3,033,332	FRAUNHOFER-		GARRISI, WILLIAM JAMES	3,033,181
FALK, MAGNUS	3,033,043	GESELLSCHAFT ZUR		GATES CORPORATION	3,033,096
FALNES, MORTEN	3,032,948	FOERDERUNG DER		GATTI, GABRIELE	3,032,907
FARIA, NUNO JORGE		ANGEWANDTEN		GB005, INC.	3,033,156
RODRIGUES	3,033,422	FORSCHUNG E.V.	3,033,256	GE AVIATION SYSTEMS LLC	3,033,193
FARR, STEPHEN J.	3,032,996	FRAUNHOFER-		GEHIN-DELVAL, CECILE	3,033,107
FAUST, ALEXANDER	3,033,419	GESELLSCHAFT ZUR		GEMIN, PAUL ROBERT	3,033,178
FAUST, ALEXANDER	3,033,421	FOERDERUNG DER		GEMIN, PAUL ROBERT	3,033,193
FAY, LUKE	3,033,345	ANGEWANDTEN		GEMIN, PAUL ROBERT	3,033,199
FEHRENBACH, THOMAS	3,033,256	FORSCHUNG E.V.	3,033,548	GENERAL ATOMICS	3,033,391
		FRECKER, SUSAN	3,033,449		

Index des demandes PCT entrant en phase nationale

GENERAL ELECTRIC COMPANY	3,032,757	GODOT, ERWANN	3,032,909	GULERIM, MERVE	3,033,070
GENERAL ELECTRIC COMPANY	3,033,178	GOEL, AJAY	3,032,827	GULFSTREAM INC.	3,026,668
GENERAL ELECTRIC COMPANY	3,033,185	GOLDBERG, MICHAEL SOLOMON	3,033,542	GUNER, BARIS	3,033,161
GENERAL ELECTRIC COMPANY	3,033,186	GOLDFARB, YAIR	3,033,328	GUNES, ZEYNEL DENIZ	3,033,107
GENERAL ELECTRIC COMPANY	3,033,189	GOLDMAN SACHS & CO. LLC	3,033,489	GUO, QIANG	3,033,456
GENERAL ELECTRIC COMPANY	3,033,190	GOLDSHMIDT, ALEXANDER	3,033,373	GUO, ZHIHENG	3,033,145
GENERAL ELECTRIC COMPANY	3,033,197	GOLITSCHKE EDLER VON ELBWART, ALEXANDER	3,033,455	GUPTA, AJAY	3,033,274
GENERAL ELECTRIC COMPANY	3,033,199	GOMEZ JIMENEZ, VIRGINIA	3,033,208	GUPTA, AJAY KUMAR	3,033,349
GENERAL ELECTRIC COMPANY	3,033,209	GONCALVES, SERGIO MACHADO	3,008,080	GUPTA, AMAR	3,033,250
GENERAL ELECTRIC COMPANY	3,033,209	GORDON, BENJAMIN	3,033,493	GUPTA, YASHWANT	3,023,355
GENERAL ELECTRIC COMPANY	3,033,209	GORECKI, IAN	3,033,551	GUTHRIDGE, KATHRYN MICHAELA	3,033,402
GENERAL ELECTRIC COMPANY	3,033,209	GORIN, MICHAEL M.	3,033,000	GUTHRIDGE, KATHRYN MICHAELA	3,033,405
GENERAL ELECTRIC COMPANY	3,033,209	GOSLING, GEOFF	3,033,392	GUYON, BERTRAND	3,033,120
GENERAL ELECTRIC COMPANY	3,033,209	GOTHELF, YAEL	3,033,408	H.C. STARCK TUNGSTEN GMBH	3,032,904
GENERAL ELECTRIC TECHNOLOGY GMBH	3,033,089	GOTTKE, SABINE	3,032,873	HA, CHUL SOO	3,032,970
GENOVA, LUCIANO	3,033,026	GOTTSCHELL, JASON	3,033,261	HA, HENGXU	3,033,089
GEO FOSSIL FUELS, LLC	3,033,366	GOULD, ALEXANDER J.	3,033,086	HA, JI HEE	3,033,475
GEORGIA-PACIFIC GYPSUM LLC	3,032,809	GOYAL, AMIT	3,033,151	HACKENSACK UNIVERSITY MEDICAL CENTER	3,033,539
GERARD, JEFFREY	3,033,339	GRAHAM, CURT	3,033,088	HALDOR TOPSOE A/S	3,032,903
GERBERSHAGEN, ALEXANDER	3,033,202	GRAMATGES, MARIA MONICA	3,032,970	HALEY, BOYD EUGENE	3,032,858
GERMASCHESKI, VOLKER	3,032,897	GRANT, AARON	3,033,346	HALL, JOHN	3,033,080
GERSZBERG, IRWIN	3,033,252	GRASSINGER, FRANZISKA	3,033,246	HALL, KEVIN CHRISTOPHER	3,033,108
GEV TECHNOLOGIES PTY. LTD	3,033,445	GRAY, TIMOTHY PATRICK	3,033,383	HALLIBURTON ENERGY SERVICES, INC.	3,032,948
GEWE, MESFIN MULUGETA	3,033,004	GREENEDEN U.S. HOLDINGS II, LLC	3,032,883	HALLIBURTON ENERGY SERVICES, INC.	3,033,161
GIBERT PEREZ, XAVIER	3,032,891	GREENFIELD, SUSAN	3,033,497	HALLIBURTON ENERGY SERVICES, INC.	3,033,163
GIEBMANN, WOLFGANG	3,032,898	GREENWOOD, PAUL	3,026,605	HALLMARK CARDS, INCORPORATED	3,014,006
GIEBMANN, WOLFGANG	3,033,552	GREGERSON, GLEN O.	3,033,535	HAMER, MAURICE JOSEPH	3,033,551
GIJSMAN, PIETER	3,033,281	GREYROCK TECHNOLOGY, LLC	3,032,922	HAMLIN, ALEXANDER	3,033,317
GIL-MARTINEZ, JORGE	3,032,900	GRICLUC, ANA	3,033,079	HAN, SONG	3,032,874
GIL-MARTINEZ, JORGE	3,032,902	GRIESSBACH, SOREN	3,032,993	HANDFIELD, LOUIS	3,016,939
GILKEY, LANDON	3,033,515	GRIFFIN, JOE	3,033,351	HANKINSON, STEPHEN JAMES FREDERIC	3,033,201
GILKEY, RYAN	3,033,515	GRIFFIN, JOHN	3,033,261	HANN, ALLISON L.	3,033,150
GILLIES, STEPHEN DOUGLAS	3,032,897	GRIGG, ALASTAIR	3,032,942	HANSEL, JAN-GERD	3,033,330
GILLNER, RONALD	3,033,198	GROENHAGEN, JANNES	3,033,320	HANSEN, ESBEN HALKJAER	3,033,246
GILMAN, JODI M.	3,032,999	GROW SOLUTIONS TECH LLC	3,032,894	HANUSCHAK, RYAN D.	3,033,390
GIRARD, EMILY JUNE	3,033,004	GROW SOLUTIONS TECH LLC	3,032,908	HANZ, ANDREW	3,033,251
GIVEN, BRUCE D.	3,032,945	GROW SOLUTIONS TECH LLC	3,033,501	HAPSARI, WURI ANDARMAWANTI	3,033,340
GLASS TECHNOLOGY SERVICES LIMITED	3,033,208	GROW SOLUTIONS TECH LLC	3,033,580	HARASZTI, REKA	3,033,368
GLASS, DENNIS M.	3,033,069	GROZA, PETER B.	3,033,582	HARE, GABRIEL ARCHACKI	3,032,812
GLASS, ROGER	3,032,901	GROZA, PETER B.	3,032,828	HARICHIAN, BIJAN	3,033,228
GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED	3,033,001	GROZA, PETER B.	3,032,829	HARLING, JOHN DAVID	3,033,001
GLEN DENNING, MALCOLM DAVID	3,033,208	GRST INTERNATIONAL LIMITED	3,032,833	HARMS, STEPHAN	3,033,320
GLENMARK SPECIALTY S.A.	3,023,355	GRUNENTHAL GMBH	3,032,834	HARNISH, SCOTT D.	3,033,390
GLOBE FIRE SPRINKLER CORPORATION	3,033,520	GU, YUNXIN	3,033,147	HARRINGTON, DAVID L.	3,028,275
GLOMSET, KENNETH	3,033,054	GUALA, GIANNI	3,033,423	HARRINGTON, DAVID L. GEORGE	3,033,484
GLOMSET, KENNETH	3,033,529	GUANGXI JIUFU BIOTECHNOLOGY CO., LTD	3,032,924	HARSCH, KLAUS	3,032,880
GMITTER, ANDREW J.	3,033,511	GUANGZHOU INNOCARE PHARMA TECH CO., LTD.	3,032,921	HART, ANDREW RICHARD	3,033,006
GOCKEL, BIRGIT	3,033,313	GUIDRY, NICHOLAS	3,032,892	HARUNO, ATSUSHI	3,033,272
GODBOUT, CEDRICKX	3,033,058	GUILLARD, ALAIN	3,033,068	HASER, FRANZ JOSEF	3,033,414
GODECKE, MARIA LAURA	3,033,331	GUILLARD, ALAIN	3,033,075	HASSANZADEH, ANAHITA	3,033,483
		GUILLARD, ALAIN	3,033,076	HASSLER, MATTHEW	3,033,368
				HASTY, EDWARD PAUL	3,032,970

Index of PCT Applications Entering the National Phase

HATZL, JURGEN	3,033,123	HO, KAM PIU	3,033,147	HUSTEDT, JOSHUA	3,033,091
HAUSER, STEVEN L.	3,033,364	HO, YEU-CHUAN SIMON	3,033,526	HYDRO ALUMINIUM ROLLED PRODUCTS GMBH	3,033,198
HAWKINS, JOHN	3,032,950	HOE, HUI HUANG	3,033,122	HYERS, ROBERT WYATT	3,033,192
HAYAKAWA, MASAHIRO	3,032,917	HOEGER, MICHAEL	3,032,967	IBOSS, INC.	3,033,111
HAYAMI, YASUAKI	3,033,042	HOFFMANN, ALEXANDER	3,033,320	IBRAHIM, BOLIS	3,033,442
HAYAMI, YASUAKI	3,033,462	HOFFMANN, BERNHARD	3,033,271	IDAC HOLDINGS, INC.	3,033,509
HAYASHI, KUNIO	3,032,914	HOLCROFT, CHRISTOPHER PAUL	3,033,208	IEFFA, SIMONA	3,033,233
HAYASHI, SADAFUKU	3,033,466	HOLDA, JIRI	3,033,153	IHDE, JEFFREY R.	3,033,141
HAYASHI, TETSUYA	3,033,042	HOLFELD, BERND	3,033,256	IHI CORPORATION	3,033,468
HAYASHI, TETSUYA	3,033,462	HOLMANSKY, EVGENY N.	3,033,367	IHU IMAGINE	3,033,446
HAYES, HOWARD	3,033,215	HOLWEGER, WALTER	3,033,038	IIO, KOUJI	3,033,302
HAYES, MARK	3,033,518	HOLYOAKE, BRUCE GORDON	3,033,581	ILG, KERSTIN	3,033,226
HE, TAO	3,032,924	HOMER, GREGG	3,033,073	ILLINOIS TOOL WORKS INC.	3,032,951
HEFEI HUALING CO., LTD.	3,033,036	HONGYUN BIOTECH CO., LTD.	3,033,459	ILLINOIS TOOL WORKS INC.	3,032,953
HEFEI MIDEA REFRIGERATOR CO., LTD.	3,033,036	HOOSE, TOBIAS	3,033,331	ILLINOIS TOOL WORKS INC.	3,032,957
HEICHE, ULF	3,033,480	HOOVE, PAUL ARMISTEAD	3,033,344	ILLINOIS TOOL WORKS INC.	3,032,967
HEIL, MARKUS	3,033,226	HORN, GAVIN BERNARD	3,033,019	ILLINOIS TOOL WORKS INC.	3,033,141
HEINS, WILLIAM L.	3,032,968	HOSONO, HIDEO	3,033,171	ILLINOIS TOOL WORKS INC.	3,033,487
HELLGE, CORNELIUS	3,033,256	HOSSEINI, SEYEDKIANOUSH	3,033,177	IMAGINE GLOBAL CARE CORPORATION	3,033,187
HELMS, LONNIE CARL	3,033,163	HOTCHHALTER, DAVID	3,032,767	IMERTECH SAS	3,032,884
HELSEN, COLIN A.	3,033,280	HOUCK-LOOMIS, BRIAN	3,033,521	IMMATIC	
HEMBERG, ERIC O.	3,033,069	HOWELL, DANIEL	3,033,218	BIOTECHNOLOGIES GMBH	3,033,115
HEMBERG, OSCAR M.	3,033,069	HOWELL, MIYA	3,033,373	INAMARU, AKIFUMI	3,033,191
HENDRICKSON USA, L.L.C.	3,033,165	HOYES, JOHN	3,033,572	INCAMPS, ANNE	3,033,094
HENDRICKSON USA, L.L.C.	3,033,229	HRADEK, CHRISTY	3,033,514	INCAMPS, ANNE	3,033,102
HENG, CHENG KIM	3,015,300	HSIEH, MING-WEI	3,033,143	INDIANA UNIVERSITY RESEARCH AND TECHNOLOGY CORPORATION	3,032,958
HENNEN, DANIEL W.	3,033,069	HSU, CHIUNG-WEN	3,033,143	INDIANA UNIVERSITY RESEARCH AND TECHNOLOGY CORPORATION	3,033,381
HENNESSEY, SUSAN MARIE	3,033,369	HSU, CHRISTOPHER	3,032,953	INDUSTRIE BORLA S.P.A.	3,033,162
HENRY, ANDREW JOSEPH	3,032,957	HSUAN, SHIH-LING	3,033,143	INDUSTRIES SAMSON INC.	3,016,939
HENRY, JASON	3,022,891	HU, YUJIE	3,033,231	INDUSTRY-UNIVERSITY COOPERATION FOUNDATION HANYANG UNIVERSITY ERICA CAMPUS	3,033,172
HENRY, PAUL SHALA	3,033,252	HU, ZHUZHU	3,033,163	INFANGER, DAVID W.	3,033,507
HENRY, TY	3,033,066	HU, ZHIYU	3,033,459	INGHAM, AARON	3,026,605
HEPBURN, NEIL	3,032,948	HUANG, JING	3,033,241	INNOVATIVE CONCEPTS INC.	3,033,591
HERKERT, BARBARA	3,033,020	HUANG, QINGGUO	3,033,532	INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM)	3,033,446
HERKERT, BARBARA	3,033,239	HUANG, WENG-ZENG	3,033,143	INSTITUT PASTEUR	3,033,016
HERN, CHRISTOPHER RYAN	3,033,347	HUANG, XIAOXING	3,033,459	INSTITUT PASTEUR DU CAMBODGE	3,033,016
HERST, ERNEST J.	3,033,224	HUANG, XIPENG	3,032,927	INTELLIGENT FINGERPRINTING LIMITED	3,033,493
HESLER, WILLIAM MICHAEL	3,033,006	HUANGFU, DANWEI	3,032,972	INTERPLEX INDUSTRIES, INC.	3,033,379
HESS, HAROLD	3,033,078	HUAWEI TECHNOLOGIES CO., LTD.	3,033,145	INTRABIO LIMITED	3,033,557
HETTIARACHCHIGE, INOKA KUMARI	3,033,402	HUAWEI TECHNOLOGIES CO., LTD.	3,033,217	INTRABIO LIMITED	3,033,564
HETTIARACHCHIGE, INOKA KUMARI	3,033,405	HUAWEI TECHNOLOGIES CO., LTD.	3,033,225	INTRAVATOLA, LAWRENCE SHANE	3,033,008
HEWITT, RACHEL ELAINE	3,033,422	HUAWEI TECHNOLOGIES CO., LTD.	3,033,450	INVUITY, INC.	3,033,188
HEYDEL, CHRISTOPHE SEBASTIEN PAUL	3,033,236	HUAWEI TECHNOLOGIES CO., LTD.	3,033,458	INZE, DIRK GUSTAAF	3,033,103
HEYDEN, THOMAS J.	3,033,126	HUAWEI TECHNOLOGIES CO., LTD.	3,033,537	IPULSE MEDICAL LTD.	3,032,918
HICKOK, DURLIN EDWARD	3,032,944	HUAWEI TECHNOLOGIES CO., LTD.	3,033,538		
HIETANIEMI, MATTI	3,032,886	HUBBELL INCORPORATED	3,032,998		
HIGH, DONALD R.	3,033,060	HUH, DONGEUN HUH	3,032,997		
HIGH, DONALD R.	3,033,213	HUME, JOHN	3,032,954		
HIKICHI, CHIKA	3,033,334	HUNEK, BALAZS	3,033,526		
HILLMAN, ROBERT	3,033,000	HUNTER, TRENT	3,032,835		
HILTI AKTIENGESELLSCHAFT	3,032,872	HUNTINGTON, RICHARD A.	3,033,179		
HIPRA SCIENTIFIC, S.L.U.	3,032,891	HUR, DEOKHWE	3,033,474		
HIPROMINE S.A.	3,033,117	HURST, KEVIN	3,032,894		
HIRAMATSU, MACHIKO	3,033,164	HURST, MICHAEL STEPHEN	3,032,894		
HIRAMATSU, MACHIKO	3,033,463	HURST, MICHAEL STEPHEN	3,032,908		
HISA, KEIKO	3,033,275				
HITCHENS, BRUCE P.	3,032,887				
HITOSHI, YASUMICHI	3,032,830				

Index des demandes PCT entrant en phase nationale

IRESO, ROBERT GORDON	3,033,208	JOB, SOPHIE	3,033,317	KAWASAKI JUKOGYO	
IRONSIDE, CHARLES	3,033,200	JOCHMAN, NATHAN J.	3,033,141	KABUSHIKI KAISHA	3,033,587
ISHIBASHI, EIJI	3,033,191	JOHN WILSON, MAKESH		KAWASAKI, KAORU	3,032,914
ISHIGURO, MASARU	3,033,048	PRAVIN	3,033,106	KAY, DAVID B.	3,032,269
ISHIGURO, MASARU	3,033,049	JOHN WILSON, MAKESH		KEMIRA OYJ	3,032,886
ISKRA, ALEC	3,033,090	PRAVIN	3,033,274	KEMIRA OYJ	3,033,044
ISSAKANI, SARKIZ	3,032,830	JOHNSON, JUSTIN T.	3,033,230	KEMIRA OYJ	3,033,181
IUCF-HYU(INDUSTRY- UNIVERSITY COOPERATION FOUNDATION HANYANG UNIVERSITY)	3,033,342	JOHNSON & JOHNSON VISION CARE, INC.	3,033,154	KEMKA, MARTIN	3,032,942
IVANOV, ROMAN		JOHNSTON-MITCHELL, KAYLA SIMONE	3,033,315	KENDIRGI, FREDERIC	3,033,072
ALEKSEEVICH	3,033,063	JOINT INNOVATION TECHNOLOGY, LLC	3,032,825	KENNEDY, GIULIA C.	3,033,241
IVOCLAR VIVADENT AG	3,033,419	JOINT STOCK COMPANY "BIOCAD"	3,033,063	KENSINGER, RICHARD DAVID	3,033,364
IVOCLAR VIVADENT AG	3,033,421	JONES, CHRIS	3,033,325	KEOHANE, PATRICK	3,023,355
IWANAGA, NAOKI	3,033,334	JONES, MATTHEW A.	3,033,128	KERNS, S. JORDAN	3,032,997
IYIGUNDOGDU, ZEYNEP	3,033,070	JONES, NICHOLAUS A.	3,033,128	KESHAVAN, HRISHIKESH	3,033,197
JABLONKA, NATALIA	3,033,271	JONES, PAUL	3,033,518	KETTLE, ROBERT	3,033,485
JACOBS, CLAIRE	3,033,567	JOSHI, PRASHANT	3,033,569	KEYSTONE TOWER SYSTEMS, INC.	3,033,227
JACOBSEN, BRIAN	3,033,136	JOSLIN, SCOTT	3,033,154	KHAIRATKAR-JOSHI, NEELIMA	3,023,355
JACOBSON, BORIS S.	3,033,367	JOUPER, JEFFREY A.	3,033,029	KHAN, RIAZ JAN KJELL	3,033,200
JAINI, SUMA	3,033,521	JOURDAIN, CYRILLE	3,033,139	KHIM, NIMOL	3,033,016
JAMES, KARIN	3,032,958	JOZEFIAK, DAMIAN	3,033,117	KHOSLA, URVASHI	3,033,245
JAMES, KOWALCZYK	3,032,929	JPMORGAN CHASE BANK, N.A.	3,033,095	KHOURI, JOHN H.	3,001,485
JAMES, PHILIP SCOTT	3,032,751	JULIANO, VIRGINIA	3,032,936	KHUDIAKOV, MIKHAIL	3,032,930
JANG, BONGJUN	3,033,342	JUNG, DONG CHUL	3,032,934	KHVOROVA, ANASTASIA	3,033,368
JANG, GUNHEE	3,033,342	JUNG, DONG CHUL	3,033,056	KIISKI, ULLA	3,033,544
JANG, HWASEON	3,033,164	JUNG, KEUNOK	3,033,475	KIM, HAN JOO	3,033,478
JANG, HWASEON	3,033,463	JUUL LABS, INC.	3,033,086	KIM, HAN JOO	3,033,479
JANG, KYUNG JIN	3,032,997	K CLOUD CO.,LTD.	3,033,478	KIM, HYE JOO	3,033,474
JANSEN, JOHANNES-RUDOLF	3,033,226	K CLOUD CO.,LTD.	3,033,479	KIM, MELISSA R.	3,033,245
JANSEN, ROLF-MICHAEL	3,033,330	KABUKI, YUSUKE	3,033,275	KIM, SU-JEONG	3,032,934
JANSSEN PHARMACEUTICA NV	3,033,020	KADAM, RAVINDRA BAPURAO	3,032,901	KIM, SU-JEONG	3,033,056
JANSSEN PHARMACEUTICA NV	3,033,239	KADLEC, MARK S.	3,032,957	KIM, YE JIN	3,033,475
JANSSEN, DOMINIQUE (DECEASED)	3,033,121	KAehler, ADRIAN	3,033,109	KIM, YEUNG CHUL	3,032,806
JANZEN, THOMAS	3,033,556	KALINOWSKI, MATTHEW J.	3,033,224	KIM, YONG SUNG	3,033,475
JARISCH, CHRISTIAN	3,033,236	KALYANPUR, ARJUN	3,033,067	KIM, YOUNGBIN	3,033,454
JARIWALA, PARAS P.	3,032,912	KAM, ANDREW	3,033,525	KIM, YOUNGBIN	3,033,561
JARUMANEEROJ, CHATCHAI	3,033,012	KAMBLE, ABHIJEET SANJEEV	3,032,901	KING, DANIEL ELMER	3,033,186
JARUMANEEROJ, CHATCHAI	3,033,116	KAMPS, THOMAS	3,033,406	KING, JOSEPH W.	3,033,084
JASTI, VENKATESWARLU	3,033,039	KANER, RICHARD B.	3,033,140	KINSELLA, JOSEPH	3,033,540
JASTI, VENKATESWARLU	3,033,050	KARJALA, TERESA P.	3,033,234	KIRBY, CHRISTOPHER F.	3,033,343
JAYARAJAN, PRADEEP	3,033,039	KARKOV, KLAUS	3,033,216	KIRBY, IAN	3,032,897
JAYARAJAN, PRADEEP	3,033,050	KARLSRUHER INSTITUT FUR TECHNOLOGIE	3,033,331	KIRK, DONALD	3,033,122
JAYASINGHE, KEETH SALIYA	3,033,528	KARPPI, ASKO	3,032,886	KISER, WILLIE C.	3,033,242
JEKER, PATRICK	3,033,414	KASARLE, DIVYA SHARAD	3,032,926	KISHIDA, KAZUHISA	3,033,171
JENNER-BRAUNSCHEMIED, EDMUND	3,033,238	KASARLE, SHARAD KRISHNAJI	3,032,926	KITANO, MASA AKI	3,033,171
JEO, GOONHO	3,033,474	KASEM, MICHELLE	3,033,142	KJOLBY, CHRISTIAN	3,033,454
JETOPTERA, INC.	3,032,950	KASHIV BIOSCIENCES, LLC	3,032,912	KJOLBY, CHRISTIAN	3,033,561
JETSON I.P. PTY LTD	3,033,410	KASPI, HAGGAI	3,033,408	KLEE, JOACHIM E.	3,033,559
JETTI RESOURCES	3,032,992	KATKURWAR, ASHOK	3,023,355	KLEIN, MARCEL	3,032,785
JIANG, BAOMING	3,032,901	KATO, WATARU	3,033,048	KLINGBERG, RAGNAR AXEL THEODOR	3,032,858
JIANG, JING	3,033,106	KATO, WATARU	3,033,049	KLINGSPOR AG	3,033,406
JILEK, ROBERT	3,033,511	KAUFFMAN, MASON	3,033,524	KLINK, GERMAN	3,033,581
JING, FENG	3,033,595	KAUR, PRABHJOT	3,033,454	KLOMKAMOL, WARACHAD	3,033,007
JING, FENG	3,033,596	KAUR, PRABHJOT	3,033,561	KNAUER, DANIEL JOSEPH	3,032,947
JO, NAM SEOB	3,033,478	KAWAI, MAKOTO	3,033,180	KO, JEONG HO	3,033,478
JO, NAM SEOB	3,033,479	KAWAMURA, SHIGEKI	3,033,171	KO, JEONG HO	3,033,479
JO, YOUNG HUM	3,033,338	KAWANO, TOSHIHIRO	3,033,191	KOCH, ANDREAS	3,033,457
				KOEHLER, KLAUS	3,033,449
				KOGAWA, YOSUKE	3,033,191
				KOHR, WILLIAM J.	3,033,366
				KOIKE, NAOKI	3,033,053

Index of PCT Applications Entering the National Phase

KOJIMA, TAKUTO	3,033,461	LANG, DAMIEN	3,033,061	LI, SAN	3,032,910
KOMATSU LTD.	3,033,191	LANGERMANN, SOLOMON	3,033,571	LI, WENFEI	3,032,927
KONG, NORMAN		LANKIN, MICHAEL E.	3,033,329	LI, XIYAN	3,033,333
XIANGLONG	3,032,921	LANXESS DEUTSCHLAND		LI, YIQUN	3,033,339
KONIECZKA, JAY H.	3,033,374	GMBH	3,033,330	LI, YOUNG	3,033,369
KONOBEVSKI, KIRIL	3,033,074	LANZINGER, ACHIM	3,033,221	LI, YUNZHAN	3,033,459
KOOS, CHRISTIAN	3,033,331	LAPIDUS, KYLE	3,033,067	LI, ZEYONG	3,032,916
KOSMAC, MIHA	3,032,897	LAUDON, MOSHE	3,033,534	LI, ZHEN	3,032,945
KOSOLA, KEVIN R.	3,033,373	LAURENCE, LAWTON	3,033,314	LI, ZHONGFENG	3,033,538
KOWAL, MATTHEW	3,033,140	LAURENT, ALAIN	3,033,156	LIANG, JUI-WEI	3,033,046
KOYAMA, TOSHIYUKI	3,033,275	LAWRENCE, BRIAN D.	3,033,507	LIAO, YONGGANG	3,033,456
KOZLOV, IGOR	3,033,250	LAWSON, LAWRENCE J.	3,033,519	LIBERALE, FRANCESCO	3,033,233
KRALJ, SLAVKO	3,033,369	LEE, E-CHIANG	3,032,897	LIEBERMAN, ISADOR HARRY	3,033,354
KRANZ, STEVEN	3,033,175	LEE, HYUN MI	3,032,806	LIFE SCIENCE INSTITUTE,	
KRENN, PETER	3,033,280	LEE, IN	3,032,934	INC.	3,032,917
KROP, MANNE	3,033,094	LEE, IN	3,033,056	LIFE SCIENCE INSTITUTE,	
KROP, MANNE	3,033,102	LEE, JISU	3,032,806	INC.	3,032,920
KROSKY, DANIEL JASON	3,033,020	LEE, KAM SAT	3,033,095	LIFE SCIENCE INSTITUTE,	
KROSKY, DANIEL JASON	3,033,239	LEE, PHILLIP K.	3,033,440	INC.	3,032,925
KRUEGER, JOHN	3,033,134	LEE, SI HYUNG	3,032,806	LIM, JUNG CHAE	3,032,806
KRUEGER, KARL MARVIN	3,033,204	LEE, SOO BUM	3,033,019	LIM, JUNG HA	3,032,946
KUBOTA, KEIICHI	3,033,019	LEE, SOO BUM	3,033,131	LIMITED LIABILITY	
KUEHNLE AGROSYSTEMS,		LEE, WONSEO	3,033,342	COMPANY	
INC.	3,032,878	LEFEBVRE, LAURENCE	3,033,277	"TERMoeLEKTRICA"	3,033,481
KUEHNLE, ADELHEID R.	3,032,878	LEGRAND, ERIC	3,033,016	LIMITED LIABILITY	
KUGA, KAZUNORI	3,033,270	LEHTINEN, LAURIE A.	3,032,763	COMPANY	
KUHLMANN, HERVE		LEHTINEN, LAURIE A.	3,033,084	"TERMoeLEKTRICA"	3,033,486
FRANCOIS	3,023,527	LEINER, ANDREW MICHAEL	3,032,966	LIMITED LIABILITY	
KULKARNI, ABHAY	3,023,355	LEMBO, KIMBERLY	3,033,108	COMPANY	
KUMAR, SURENDER	3,033,215	LENZNER, JEFF	3,033,141	"TERMoeLEKTRICA"	3,033,491
KUMRU, MEMET-EMIN	3,032,872	LEON, CHRISTOPHER	3,033,005	LIMITED LIABILITY	
KUPISZEWSKI, THOMAS	3,033,178	LEROY, REMY	3,032,875	COMPANY	
KUPISZEWSKI, THOMAS	3,033,190	LESIV, ALEKSEY		"TERMoeLEKTRICA"	3,033,517
KUPISZEWSKI, THOMAS	3,033,199	VALERYEVICH	3,033,481	LIMITED LIABILITY	
KUPISZEWSKI, THOMAS	3,033,209	LESIV, ALEKSEY		COMPANY "TERMOsim"	3,032,940
KURASAWA, OSAMU	3,033,461	VALERYEVICH	3,033,486	LIN, HUI	3,033,532
KURONEN, MARKKU	3,033,544	LESIV, ALEKSEY		LIN, JIUNN-HORNG	3,033,143
KYMAB LIMITED	3,032,897	VALERYEVICH	3,033,491	LIN, NAN	3,032,830
L'AIR LIQUIDE SOCIETE		LESIV, ALEKSEY		LIN, TONG-HO	3,033,046
ANONYME POUR		VALERYEVICH	3,033,517	LINDE AG	3,033,136
L'ETUDE ET		LETA, DANIEL P.	3,033,235	LINDE	
L'EXPLOITATION DES		LEVI, ANDREW	3,032,859	AKTIENGESELLSCHAFT	3,033,054
PROCEDES GEORGES		LEVNER, DANIEL	3,032,997	LINDE	
CLAUDE	3,033,068	LEWIS, CHRISTOPHER		AKTIENGESELLSCHAFT	3,033,529
L'AIR LIQUIDE SOCIETE		MICHAEL	3,033,181	LINDENMANN, NICOLE	3,033,331
ANONYME POUR		LEWIS, DAVID L.	3,032,945	LING, YU-FANG	3,033,041
L'ETUDE ET		LEYBOLD GMBH	3,032,898	LISE, JONATHAN M.	3,033,535
L'EXPLOITATION DES		LEYBOLD GMBH	3,033,552	LISI AEROSPACE	3,033,100
PROCEDES GEORGES		LEYDECKER, STEPHEN		LITTLE, LAUREN E.	3,033,205
CLAUDE	3,033,075	HAIGHT	3,033,316	LITTMANN, WOLFGANG	3,033,097
L'AIR LIQUIDE SOCIETE		LI, BOREN	3,032,927	LIU, CHONG	3,033,167
ANONYME POUR		LI, HAITING	3,033,225	LIU, DAVID R.	3,033,327
L'ETUDE ET		LI, HAITING	3,033,458	LIU, HUI	3,033,453
L'EXPLOITATION DES		LI, HONGBO	3,033,420	LIU, LINDA	3,033,571
PROCEDES GEORGES		LI, JIANG	3,033,171	LIU, MEICHEN	3,014,482
CLAUDE	3,033,076	LI, JUNWU	3,033,217	LIU, MIAOREN	3,032,927
L.E.A.F. HOLDINGS GROUP		LI, LI	3,033,459	LIU, RENMAO	3,033,146
LLC	3,033,077	LI, LING	3,033,453	LIU, SHUANG	3,033,459
L.E.A.F. HOLDINGS GROUP		LI, LU	3,014,482	LIU, XIAOCHENG	3,033,537
LLC	3,033,083	LI, MING	3,032,919	LIU, XIN	3,033,461
LAJINESS, JAMES PAUL	3,033,249	LI, MING FEI	3,033,159	LIU, XING LIANG	3,033,072
LAJINESS, JAMES PAUL	3,033,253	LI, QING	3,032,972	LIU, YUWEN	3,033,231
LAMELLO AG	3,033,414	LI, QINGHONG	3,033,565	LIU, ZEXIN	3,033,225
LAMPERT, SHALOM	3,032,918	LI, RONG	3,033,537	LIU, ZEXIN	3,033,458

Index des demandes PCT entrant en phase nationale

LOBODA, ALEXANDER V.	3,032,861	MAO, WEIWEI	3,033,456	MEHLIN, CHRISTOPHER	3,033,004
LOCKE, DAVID	3,033,198	MARAZZATO, MICHELE	3,033,454	MEHTA-HURT, DEEPAI	3,033,355
LOEVOLD HELLEBUST, THOMAS	3,033,054	MARAZZATO, MICHELE	3,033,561	MEIS, MICHAEL A.	3,033,069
LOEVOLD HELLEBUST, THOMAS	3,033,529	MARCOCCIA, BRUNO	3,033,420	MELLIERE, PAUL L.	3,032,883
LOEW, NORBERT	3,033,160	MARINIER, PAUL	3,033,509	MEMORIAL SLOAN- KETTERING CANCER CENTER	3,032,838
LOGAN, BENJAMIN	3,033,355	MARION, PHILIPPE	3,032,875	MEMORIAL SLOAN- KETTERING CANCER CENTER	3,032,972
LOGSTED-NIELSEN, ERIK	3,032,903	MARIUSSE, ADRIEN	3,032,909	MENARD, DIDIER	3,033,016
LOMBARDO, LOUIS J.	3,033,329	MARKOVIC, SVETOMIR N.	3,032,947	MENON, VINOD	
LOTTE CO., LTD.	3,033,275	MARNFELDT, GORAN N.	3,033,554	VISWANATHA	3,033,274
LU, FANG	3,033,154	MARRINAN, PATRICK	3,033,185	MENZENSKI, KIMBERLY W.	3,033,535
LU, YONG-CHEN	3,032,870	MICHAEL	3,033,189	MERCK PATENT GMBH	3,033,240
LU, YUE	3,033,459	MARRINAN, PATRICK MICHAEL	3,033,057	MERIT MEDICAL SYSTEMS, INC.	3,033,080
LUCCHINI RS S.P.A.	3,033,248	MARSH, STEPHEN ALAN		MERIT MEDICAL SYSTEMS, INC.	3,033,134
LUDLOW, EMMA JANE ISOBEL	3,033,402	MARSHALL, MARTYN WILLIAM	3,033,208	MERZEAU, JULIEN D.	3,033,378
LUMENDI LTD.	3,033,277	MARSHALL, MICHAEL	3,033,550	MESSINA, DARIN J.	3,033,536
LUO, MINGSHAN	3,014,482	MARSTONMAP, LLC	3,033,375	METAX INSTITUT FUR DIATETIK GMBH	3,033,271
LUO, TAO	3,033,106	MARTIN GARCIA, SUSANA	3,032,891	MEYER, JULIEN	3,032,787
LUO, TAO	3,033,274	MARTIN, PATRICIA	3,033,154	MEYER, JULIEN	3,032,788
LUO, YUPING	3,033,044	MARTIN, WILLIAM J.	3,033,230	MEYER, STEPHEN J.	3,033,520
LUPPES, LYLE L.	3,033,069	MARTINEZ, OSCAR E.	3,012,156	MEYLAN, ARNAUD	3,033,011
LUSTIG, OR	3,033,585	MARTINI, PAUL MICHAEL	3,033,111	MEYLAN, ARNAUD	3,033,027
LUSTIG, SIGAL	3,033,585	MARTINS, AGOSTINHO	3,033,383	MIAO, DESHAN	3,033,528
LUTTRELL, ROBERT SHANE	3,033,524	MASSARI, ROSSANO CLAUDIO	3,033,232	MIAO, LEI	3,033,225
LYNCH, CHRISTOPHER	3,032,968	MASSOELS, JO	3,033,040	MIAO, LEI	3,033,458
LYU, YONGXIA	3,033,145	MASTERCARD INTERNATIONAL INCORPORATED	3,033,477	MICKLASH, KENNETH JAMES, II	3,033,377
MABON, ROSS	3,033,087	MATHEIDAS, MICHAEL T.	3,033,179	MICROOPTX INC.	3,033,064
MACDONALD, BRENDAN	3,032,863	MATSUKAWA, RYUSUKE	3,033,340	MICROSOFT TECHNOLOGY LICENSING, LLC.	3,033,144
MACDONALD, R., LOCH	3,032,747	MATSUSHITA, TAKAMICHI	3,032,929	MIDEA GROUP CO., LTD.	3,033,036
MACHAUER, RAINER	3,033,249	MATTINGLY, TODD	3,033,213	MIGLIETTI, ROMANO	3,033,237
MACHAUER, RAINER	3,033,253	MATTINGLY, TODD D.	3,032,796	MIL'SHIN, OLEG NIKOLAEVICH	3,032,938
MACHET, JEREMY	3,033,400	MATTINGLY, TODD D.	3,033,220	MILAM, CHAD	3,032,767
MACINNES, ALISON	3,033,440	MATVEEV, ALEXEY	3,033,074	MILLAR, GARY BRET	3,032,894
MADDALENA, ROGER	3,033,121	MAUGHAN, KEVIN DESMOND	3,033,520	MILLAR, GARY BRET	3,032,908
MADIGAN, REGINA	3,033,215	MAURICE, ALVIN MICHAEL	3,033,453	MILLAR, GARY BRET	3,033,501
MADSEN, JORGEN	3,032,903	MAXWELL, ERIC	3,032,960	MILLAR, GARY BRET	3,033,580
MADSEN, TOMMY ERTBOLLE	3,033,278	MAYER, FRANK	3,033,548	MILLAR, GARY BRET	3,033,582
MAEDA, MITSUTOSHI	3,033,270	MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH	3,032,947	MILLER, BRANDON WAYNE	3,033,178
MAGAGNIN, LUCA	3,033,233	MAZURKIEWICZ, JAN	3,033,117	MILLER, BRANDON WAYNE	3,033,185
MAGATTI, MARCO	3,033,120	MCCCLUSKEY, CORY LEE	3,033,000	MILLER, BRANDON WAYNE	3,033,189
MAGIC LEAP, INC.	3,033,109	MCCOURT, MATTHEW JOHN	3,032,897	MILLER, BRANDON WAYNE	3,033,190
MAGIC LEAP, INC.	3,033,344	MCCRACKEN, JOE	3,033,051	MILLER, BRANDON WAYNE	3,033,199
MAHADEVAN, SHIVKUMAR	3,033,154	MCELHINNEY, ADAM	3,032,946	MILLER, BRANDON WAYNE	3,033,209
MAHARSHI, ATUL	3,033,106	MCEVOY, KEVIN PAUL	3,033,197	MILLER, MATTHEW B.	3,033,546
MAHESHWARI, SHAILESH	3,033,011	MCFADYEN, SETH	3,032,960	MIMS, JOHN	3,033,515
MAHMUD, ALMOSTASIM	3,032,863	MCGARVEY, KEVIN P.	3,033,126	MINAMI, S. SAKURA	3,033,051
MAHR, ANDREA	3,033,115	MCGLONE, JOHN J.	3,032,797	MING, YUEN YIU	3,014,006
MAIER, FERDINAND	3,033,118	MCGRATH, DARBY	3,022,891	MIRONOV, OLEG	3,032,879
MAINLINE BIOSCIENCES	3,032,885	MCHALE, BRIAN G.	3,033,060	MISHRA, RANJAN KUMAR	3,033,124
MAJETI, SATYANARAYANA	3,032,792	MCHALE, BRIAN GERARD	3,033,213	MITELBERG, VLADIMIR	3,033,515
MAK, JOHN	3,033,088	MCMAHON, CHRISTOPHER W.	3,033,205	MITROVIC, MILAN	3,033,443
MAKOWIECKI, GARY	3,033,163	MCROBERTS, MATTHEW	3,033,540	MITSUBISHI ELECTRIC CORPORATION	3,033,470
MALEKAR, SWAPNIL	3,033,249	MCWITHEY, KEVIN	3,033,487	MITSUBISHI HEAVY INDUSTRIES, LTD.	3,033,270
MALEKAR, SWAPNIL	3,033,253	MEADOWS, JAMES	3,032,956		
MANJUNATH, SIVALINGANNA	3,033,373	MEDULOC, LLC	3,033,091		
MANN, JONATHAN LAWRENCE	3,033,344	MEHANSHO, HAILE	3,032,792		
MANN, ROSS	3,033,402				
MANN, ROSS	3,033,405				
MANNHALTER, BERT D.	3,033,291				
MANSSON, BJARNE	3,033,216				

Index of PCT Applications Entering the National Phase

MITSUBISHI MATERIALS CORPORATION	3,033,263	NAGATA, SATOSHI	3,033,170	NICHOLSON, TIMOTHY ERIC	3,032,883
MIYAGAWA, MASAYOSHI	3,033,180	NAGATA, SATOSHI	3,033,467	NIERGARTH, DANIEL ALAN	3,033,185
MIZOSHI, JINSEI	3,032,827	NAIDU, JYOTI PRAKASH	3,033,124	NIERGARTH, DANIEL ALAN	3,033,189
MIZOGUCHIJIGYO CO.,LTD.	3,033,593	NAIRN, NATALIE WINBLADE	3,033,004	NIERGARTH, DANIEL ALAN	3,033,190
MIZUNO, MASA AKI	3,032,917	NAITO, TOSHIYUKI	3,033,468	NIERGARTH, DANIEL ALAN	3,033,199
MIZUTANI, KEISUKE	3,033,048	NAKAMORI, MASAYUKI	3,033,590	NIKAN, MEHRAN	3,033,368
MIZUTANI, KEISUKE	3,033,049	NAKAMURA, KAZUYOSHI	3,033,263	NIKOLICH, KAROLY	3,033,051
MO, JOSEPH Y.	3,032,995	NAKASHIMA, OKINORI	3,032,915	NIPPON STEEL & SUMITOMO METAL CORPORATION	3,032,914
MOGNA, GIOVANNI	3,033,032	NAKATANI, KAZUHIKO	3,033,590	NIROGI, RAMAKRISHNA	3,033,039
MOHAMMED, ABDUL RASHEED	3,033,039	NAL PHARMACEUTICAL GROUP LIMITED	3,032,995	NIROGI, RAMAKRISHNA	3,033,050
MOHAMMED, ABDUL RASHEED	3,033,050	NALOBINA, VIKTORIIA EVGENEVNA	3,033,063	NISHIDA, TAKUNOBU	3,033,587
MOHANARANGAM, KRISHNA	3,032,867	NAM, JAEKWANG	3,033,342	NISHIHARA, TAKU	3,033,587
MOHANTY, BEDA	3,033,121	NANIWA, HIDEKI	3,032,928	NISSAN MOTOR CO., LTD.	3,033,042
MOHR, CHRISTOPHER ALLAN DOUGLAS	3,033,124	NATARAJAN, CHANDRASHEKAR	3,033,213	NISSAN MOTOR CO., LTD.	3,033,164
MONATOMICS TECHNOLOGY	3,033,444	NATIONAL RESEARCH COUNCIL OF CANADA	3,033,420	NISSAN MOTOR CO., LTD.	3,033,462
MONCH, ANDREAS	3,032,867	NATIONAL UNIVERSITY CORPORATION NAGOYA UNIVERSITY	3,032,917	NISSAN MOTOR CO., LTD.	3,033,463
MONSANTO TECHNOLOGY LLC	3,033,373	NATTRESS, LAURA	3,033,212	NITTA, RYOICHI	3,032,915
MONSANTO TECHNOLOGY LLC	3,033,440	NAUD, JULIETTE	3,033,449	NITTO PHARMACEUTICAL INDUSTRIES, LTD.	3,033,275
MONTREUIL, ALBERT HILAIRE	3,033,591	NAUGHTON, VALERIE JEAN	3,032,750	NIU, JUNFENG	3,033,532
MOOSAVI, REZA	3,033,555	NAYAK, BARADA KANTA	3,033,384	NIYIKIZA, CLET	3,033,077
MORA-HUERTAS, NELSON	3,032,992	NEC CORPORATION	3,033,466	NIYIKIZA, CLET	3,033,083
MORAL, JESUS	3,033,497	NEELAM, ANIL	3,033,373	NOCERA, DANIEL G.	3,033,167
MORGAN, BRENT FOSTER	3,033,099	NELSON, CHRISTOPHER R.	3,032,828	NOKIA SOLUTIONS AND NETWORKS OY	3,033,528
MOROZOV, DMITRY VALENTINOVICH	3,033,063	NELSON, CHRISTOPHER R.	3,032,829	NOLAN, CHRISTOPHER D.	3,032,836
MORRIS, IAN	3,033,551	NELSON, CHRISTOPHER R.	3,032,833	NOLASCO, NORIE ANNE B.	3,032,878
MORRIS, STEPHEN J.	3,033,156	NELSON, CHRISTOPHER R.	3,032,834	NOMURA, HIROYUKI	3,033,174
MOSCIBRODA, THOMAS	3,033,144	NELSON, JUSTIN	3,033,182	NONOMURA, HIROYUKI	3,033,470
MOSHCHENKO, ALEKSANDR ALEKSANDROVICH	3,033,063	NEMANKIN, TIMOFEY ALEKSANDROVICH	3,033,063	NOON, BRENT R.	3,033,337
MOSKOWSKI, MICHAEL	3,033,108	NESTEC OYJ	3,033,544	NORDFELS GMBH	3,033,238
MOSLER, THEODORE J.	3,033,157	NESTEC S.A.	3,033,107	NORI, CHANDRASEKHAR V.	3,032,831
MOSS, ALFRED	3,032,892	NESTEC S.A.	3,033,120	NORMAN, JUSTIN	3,033,074
MOU, XIAOSHA	3,033,231	NESTEC S.A.	3,033,236	NORTHROP GRUMMAN SYSTEMS CORPORATION	3,033,343
MOWER, WAYNE	3,033,080	NESTEC S.A.	3,033,452	NORTIO, JENNI	3,033,544
MOX NETWORKS, LLC	3,032,767	NESTEC SA	3,033,561	NOTEBAERT, ALEXANDRE	3,033,332
MOYO, VICTOR MANDLA	3,033,077	NEUDECK, THOMAS	3,033,565	NOVARTIS AG	3,033,249
MOYO, VICTOR MANDLA	3,033,083	NEUPHARMA, INC.	3,033,515	NOVARTIS AG	3,033,253
MPSC AUSTRALIA, PTY., LTD	3,032,966	NEURIM PHARMACEUTICALS (1991) LTD.	3,033,370	NOVARTIS AG	3,033,576
MPSC, INC.	3,033,230	NEURO-BIO LTD	3,033,534	NOVARTIS AG	3,033,579
MRAIL INC.	3,033,443	NEUVILLE, DAX JOSEPH	3,033,497	NOVARTIS AG	3,033,595
MUCKE, YVONNE	3,033,271	NEVALA, WENDY K.	3,032,892	NOVARTIS AG	3,033,596
MUHMMENTHALER, PHILIPP	3,033,419	NEVILLE, DAVID M.	3,032,947	NOVOMATIC AG	3,033,335
MUHMMENTHALER, PHILIPP	3,033,421	NEW CHAPTER, INC.	3,032,949	NOVOPLANSKI, AVISHAY	3,033,052
MUKKAVILLI, KRISHNA KIRAN	3,033,106	NEW YORK GENOME CENTER, INC.	3,032,755	NOVUS INTERNATIONAL INC.	3,032,954
MULLER, ROLAND	3,032,898	NEWHOUSE, JOCELYN M.	3,033,521	NTT DOCOMO, INC.	3,033,170
MULLER, ROLAND	3,033,552	NEWTON, JASON	3,033,511	NTT DOCOMO, INC.	3,033,340
MULLER, STEPHAN	3,033,322	NEXTCURE, INC.	3,032,750	NTT DOCOMO, INC.	3,033,467
MURPHY, JAMES EDWARD	3,032,757	NG, CALVIN	3,033,571	O&M HALYARD INTERNATIONAL UNLIMITED COMPANY	3,028,171
MUSAYEV, YASHAR	3,033,038	NG, ENG SENG	3,032,994	O&M HALYARD INTERNATIONAL UNLIMITED COMPANY	3,028,275
MUSUVATHY, SURAJ RAVI	3,033,502	NGUYEN, CAROLINE	3,015,300	O&M HALYARD INTERNATIONAL UNLIMITED COMPANY	3,029,363
MUYLAERT, DOMINIK	3,033,040	NGUYEN, TUAN ANH	3,033,321	O'BRIEN, ERIC J.	3,032,831
MYOSE, TAKUYA	3,032,915	NI, WEI	3,033,277	O'BRIEN, JOHN J.	3,033,220
NA, CHONGNING	3,033,467	NI, WEI	3,033,042	O'BRIEN, JOHN J., V	3,033,213
NACHUM, ZVI	3,032,918	NICHOLS, ELI BREEDEN	3,033,462	O'CONNOR, KEVEN	3,033,348
NAGARAJA, SUMEETH	3,033,274		3,033,157		

Index des demandes PCT entrant en phase nationale

O'DONNELL, DANIEL J.	3,033,343	PAPPAS, MADALYN ELLICE	3,033,383	PGS GEOPHYSICAL AS	3,033,425
O'KEEFE, JONATHAN	3,033,277	PARACHUR, VIVEK ANAND	3,032,906	PHAM, CHARLES	3,033,100
O'NEIL, EDWARD KENNETH	3,033,159	PARK, BUM-CHAN	3,032,806	PHILIP MORRIS PRODUCTS	
OASYS WATER LLC	3,032,960	PARK, CHAN HEUI	3,033,478	S.A.	3,032,879
OBSHCHESTVO S		PARK, CHAN HEUI	3,033,479	PHILIP MORRIS PRODUCTS	
OGRANICHENNOY		PARK, CHUN GWON	3,033,542	S.A.	3,032,910
OTVETSTVENNOST'YU		PARK, HEE KYUNG	3,033,474	PHUAPRADIT, WANTANEE	3,032,912
"OBEDINENNAYA		PARK, JAE EUN	3,032,806	PICKRELL, JOSEPH K.	3,033,521
KOMPANIYA RUSAL		PARK, JUNG GYU	3,032,934	PIJNAPPEL, WILHELMUS	
INZHENERNO-		PARK, JUNG GYU	3,033,056	WENCESLAUS	
TEKHNOLOGICHESKIY		PARK, SEUNG WON	3,032,934	MATTHIAS	3,032,911
TSENTR"	3,032,938	PARK, SEUNG WON	3,033,056	PILATTE, ISABELLE NOELLE	
OBUCHOWSKA, AGNES	3,033,530	PARK, YOUNG WOO	3,032,806	CONSTANCE	3,033,239
OCEANEERING		PARKER, DAVID L.	3,033,166	PINGALI, MURALI	3,033,095
INTERNATIONAL, INC.	3,033,005	PARKER, JARED B.	3,033,369	PISAL, SAMBAHAI SHANKAR	3,032,901
OH, CHAD	3,023,355	PARKER-HANNIFIN		PLASSER & THEURER	
OKADA, YOSHINORI	3,032,925	CORPORATION	3,033,066	EXPORT VON	
OKAMOTO, TAKUYA	3,032,915	PASETTO, ANNA	3,032,870	BAHNBAUMASCHINEN	
OKANO, AZUSA	3,033,180	PASTOUCHENKO, NIKOLAI N.	3,033,185	GESELLSCHAFT M.B.H.	3,033,047
OKUBO, AKINORI	3,033,042	PASTOUCHENKO, NIKOLAI N.	3,033,189	PLEDGE PETROLEUM CORP.	3,032,835
OKUNO, RYOSUKE	3,033,003	PATANKAR, KSHITISH A.	3,033,224	PLISHKA, MICHAEL	3,033,134
OKUTANI, ASUKA	3,032,928	PATEL, DIPAK MAHENDRA	3,033,484	POCHIC, SEBASTIEN	3,033,323
OLIVER, BRUCE MALCOM	3,032,905	PATEL, NISHANK R.	3,032,951	POCHIC, SEBASTIEN	3,033,326
OLSON, JAMES	3,033,004	PATEL, SHIMMAN ARVIND	3,033,177	POHLMAN, MATTHIAS	3,033,313
OLSON, JEFFREY K.	3,033,224	PATEL, VIPUL	3,032,865	POLARIS INDUSTRIES INC.	3,033,104
OLSON, THOMAS A.	3,032,835	PATENAUDE, ERIC	3,033,420	POLSPOEL, WOUTER	3,033,040
ONVOY SPECTRUM, LLC	3,033,182	PATRICK, AARON		POMMELLO INC.	3,032,994
OOTA, YASUHIRO	3,033,334	NATHANIEL	3,033,020	POROB, DIGAMBER	
OPEX CORPORATION	3,032,968	PATRICK, AARON		GURUDAS	3,032,757
ORGAN TECHNOLOGIES INC.	3,033,589	NATHANIEL	3,033,239	PORTELLI, GENE B.	3,033,069
ORISON, INC.	3,033,258	PATTERSON, TIMOTHY		PORTZ, DANIELA	3,033,226
ORORA VISUAL TX, LLC	3,032,859	WILLIAM, JR.	3,032,831	POULIOT, LINDA H.	3,032,941
ORTHOGEN AG	3,033,045	PAUL SCHERRER INSTITUT	3,033,202	POWARS, ADAM	3,033,293
OSAKA UNIVERSITY	3,033,590	PAULSEN, GARY HARLAN	3,033,377	POWELL, JONATHAN JOSEPH	3,033,422
OSBORN, MAIRE	3,033,368	PAVERGUIDE, INC.	3,033,516	POWERCHORD GROUP	
OSSIANIX, INC.	3,033,082	PAVLOVIC, ELIZABETA	3,033,536	LIMITED	3,033,211
OSTROM, TRAVIS	3,033,516	PAYNE, MARK S.	3,033,369	POWERCHORD GROUP	
OUTOTEC (FINLAND) OY	3,033,482	PEARSON, CHRISTOPHER E.	3,033,590	LIMITED	3,033,282
OVEJERO MAYORAL, MARIA		PEGASUS AERONAUTICS		PRADHAN, MANOJ	3,033,409
DEL CARMEN	3,033,473	CORPORATION	3,033,540	PRASAIN, NUTAN	3,033,381
OZTURK, OZCAN	3,033,011	PEI, TAO	3,032,945	PRAXAIR TECHNOLOGY, INC.	3,033,526
OZTURK, OZCAN	3,033,027	PELLEGRINI, STEPHANE	3,033,236	PRC-DESOTO	
PALANIGOUNDER, ANAND	3,033,019	PELLETIER, GHYSLAIN	3,033,509	INTERNATIONAL, INC.	3,032,930
PALANIGOUNDER, ANAND	3,033,131	PELLION TECHNOLOGIES,		PRESCIENT SYSTEMS, INC.	3,032,956
PAMPERIN, MARK T.	3,028,171	INC.	3,033,511	PRESIDENT AND FELLOWS	
PAMPERIN, MARK T.	3,028,275	PELLOUX, CINDY	3,033,107	OF HARVARD COLLEGE	3,033,167
PAMPERIN, MARK T.	3,029,363	PENA, KRISTEN	3,033,091	PRESIDENT AND FELLOWS	
PAN, CHRISTOPHER CHUN-		PENG, TZU-TING	3,033,143	OF HARVARD COLLEGE	3,033,327
NING	3,033,159	PEOPLES, BRIAN C.	3,033,150	PRESIDENT AND FELLOWS	
PAN, TINGRUI	3,033,064	PEPSICO, INC.	3,033,212	OF HARVARD COLLEGE	3,033,506
PANASONIC INTELLECTUAL		PEPSICO, INC.	3,033,376	PRESNELL, SCOTT RONALD	3,033,004
PROPERTY		PERALES BOTIA, JAVIER	3,033,464	PRESSING DEVELOPMENTS,	
CORPORATION OF		PERDANA, JIMMY	3,033,454	L.L.C.	3,033,522
AMERICA	3,033,455	PERDANA, JIMMY	3,033,561	PRICE, RONALD	3,033,214
PANASONIC INTELLECTUAL		PERERA, ANTHONY	3,033,269	PRIETO, CARLOS	3,033,347
PROPERTY		PEREZ DE ALEJO,		PRIETO, CARLOS	3,033,360
MANAGEMENT CO., LTD.	3,033,302	RIGOBERTO	3,033,136	PRIMM, BENJAMIN	3,033,005
PANDE, VINEET	3,033,020	PERIMETER SOLUTIONS LP	3,033,245	PROBIOTICAL S.P.A.	3,033,032
PANDE, VINEET	3,033,239	PERKINS, RUSSELL WAYNE	3,033,232	PROCHNOW, GREGG	3,033,487
PANG, SZE YONG	3,015,300	PETERS, KENNETH M.	3,032,941	PROFESSIONAL	
PANKRATZ, DANIEL	3,033,241	PETRASSI, HANK MICHAEL		DISPOSABLES	
PANOV, ANDREY		JAMES	3,033,249	INTERNATIONAL, INC.	3,032,932
VLADIMIROVICH	3,032,938	PETRASSI, HANK MICHAEL		PROTO MANUFACTURING	
PANZERI, GABRIELE	3,033,233	JAMES	3,033,253	LTD.	3,033,090

Index of PCT Applications Entering the National Phase

PROTON MOTOR FUEL CELL GMBH	3,033,221	REP IP AG	3,033,119	RYMARQUIS, LINDA	3,033,373
PRZYBYSZEWski, CHRISTOPHER	3,033,524	REP IP AG	3,033,527	SABALE, RAJENDRA NARAYAN	3,032,901
PSIOXUS THERAPEUTICS LIMITED	3,033,267	RETZLAFF, NATHAN	3,033,134	SABY, BERTRAND	3,033,477
PULIKUNTA, SAI RAHUL REDDY	3,033,349	REYNOLDS, TIM	3,033,550	SAED TECHNOLOGIES LTD.	3,033,508
PUN, SUZIE H.	3,032,839	RHODIA OPERATIONS	3,032,875	SAES, MARC	3,033,316
QIAN, XIANGPING	3,033,370	RHODIA OPERATIONS	3,033,325	SAEUBERLICH, TINO	3,032,904
QUALCOMM INCORPORATED	3,032,959	RIDGEWAY, KRISTOFFER H.	3,032,831	SAFIAN, NICHOLAS	3,033,067
QUALCOMM INCORPORATED	3,032,965	RIGEL PHARMACEUTICALS, INC.	3,032,830	SAGALOWICZ, LAURENT	3,033,454
QUALCOMM INCORPORATED	3,033,011	RIKEN	3,033,589	SAGALOWICZ, LAURENT	3,033,561
QUALCOMM INCORPORATED	3,033,019	RINGER, YORAM	3,033,520	SAHA, ATANU	3,033,197
QUALCOMM INCORPORATED	3,033,027	RINNE, ANTTI	3,033,482	SAHIN, BUKET	3,032,910
QUALCOMM INCORPORATED	3,033,106	RIPCORD, INC.	3,033,108	SAHIN, FIKRETTIN	3,033,070
QUALCOMM INCORPORATED	3,033,131	RIVER STONE BIOTECH, LLC	3,033,246	SAHOO, MANAS RANJAN	3,033,243
QUALCOMM INCORPORATED	3,033,177	ROBBINS, PAUL F.	3,032,870	SAIKI, RANDALL	3,033,250
QUALCOMM INCORPORATED	3,033,274	ROBEL, LAURENCE	3,033,446	SAINSON, RICHARD CHARLES ALFRED	3,032,897
QUEEN'S UNIVERSITY AT KINGSTON	3,033,447	ROBERTS, PETER	3,033,485	SAINT PIERRE, BENJAMIN	3,033,016
QUEROLLE, OLIVIER ALEXIS GEORGES	3,033,020	ROBERTSON, WILLIAM BRETT	3,033,200	SAINT-GOBAIN GLASS FRANCE	3,032,785
QUEROLLE, OLIVIER ALEXIS GEORGES	3,033,239	ROBINSON, JOSHUA A.	3,033,229	SAINT-GOBAIN GLASS FRANCE	3,032,924
QUILICI, ALEXANDER E.	3,032,799	ROCHFORD, SIMONE JANE	3,033,402	SAITO, KEISUKE	3,033,467
RAAHEIM, ARNE	3,032,787	ROCHFORD, SIMONE JANE	3,033,405	SAKAKIBARA, MUTSUMI	3,032,914
RAAHEIM, ARNE	3,032,788	RODONI, PHILIP	3,033,492	SAKATA INX CORPORATION	3,032,915
RAHMAN, ASHFAQUR	3,026,605	ROESCH, ALEXANDER	3,033,068	SAKHARKAR, ANANT	3,033,278
RAI STRATEGIC HOLDINGS, INC.	3,033,158	ROESCH, ALEXANDER	3,033,075	SALAMATIN, ANDREY NIKOLAEVICH	3,032,940
RAILKAR, ARUNA	3,032,912	ROESCH, ALEXANDER	3,033,076	SALEM, DAVID R.	3,033,291
RAMACHANDRA, PRADEEPA	3,033,555	ROGERS, JAMES W.	3,033,158	SALMAN, NADER	3,033,397
RAMASAMY, JOTHIBASU	3,033,137	ROGGENBUCK, DIRK	3,033,035	SALOPPE, SIDONIE	3,033,254
RAMAZANI, FARSHAD	3,033,249	ROH, UKJIN	3,032,959	SALSICH, ANTHONY V.	3,033,487
RAMAZANI, FARSHAD	3,033,253	ROH, UKJIN	3,032,965	SAMAD, JADID	3,033,151
RAMORINO, GIORGIO	3,033,237	ROHM AND HAAS COMPANY	3,033,453	SAMBHAR, ANKUR	3,033,095
RANDHAWA, NISHANT	3,032,763	ROLLS-ROYCE MARINE AS	3,033,074	SAMPHAWAMONTRI, PATCHARIN	3,033,007
RANDOLPH, TODD LENWELL	3,032,944	ROS, NICO	3,033,119	SAMULSKI, RICHARD JUDE	3,033,125
RAPOPORT, URI	3,033,328	ROSENBERG, STEVEN A.	3,033,527	SANAEI, SHABNAM	3,033,420
RASCHE, STEFAN	3,033,271	ROSENCRANCE, SCOTT	3,032,870	SANCHEZ DE LA FUENTE, YAGO	3,033,256
RAVIKOVITCH, PETER I.	3,033,235	ROSENOW, BERND	3,033,044	SANDOZ AG	3,033,319
RAYTHEON COMPANY	3,033,367	ROSENQVIST, FREDRIK	3,033,330	SANDY, NIKOLE	3,032,897
RECORD SURE LIMITED	3,033,148	ROSQVIST, SEAN WILLIAM	3,033,112	SANOPI PASTEUR, INC.	3,033,364
RECOVER ENERGY SERVICES INC.	3,033,244	ROSS, JOHN R.	3,033,361	SAPILEWSKI, GLEN	3,033,278
REECE, ROBERT	3,033,519	ROSS, STAN	3,032,935	SAROJ VANIJYA PRIVATE LIMITED	3,033,149
REGO CAMPELLO, HUGO	3,032,899	ROTHNER, ARIEL	3,033,244	SASAKI, YOSHIKATSU	3,033,593
REIFICATION INC.	3,032,812	ROUSE INDUSTRIES INC.	3,033,259	SASOL (USA) CORPORATION	3,033,150
REINECKE, JULIO	3,033,045	ROUSE, CODIE	3,032,869	SATAKE CORPORATION	3,033,469
REINER, VIRGINIA M.	3,033,087	ROUSE, JOHN	3,032,869	SATO, NORIYUKI	3,033,048
REINGRUBER, MARTIN	3,033,238	ROUVILLAIN, MATTHIEU BRUNO PHILIPPE	3,033,254	SATO, TETSUYA	3,033,270
REINKE, GERALD H.	3,033,251	ROVI GUIDES, INC.	3,033,349	SATO, YOSHIAKI	3,032,917
REMACLE, MICHAEL	3,033,182	ROVI GUIDES, INC.	3,033,361	SATONY, CHRISTIAN	3,033,031
REMOND, ANNE-CATHERINE	3,033,249	ROY, ALEXANDRA	3,033,214	SAUDI ARABIAN OIL COMPANY	3,033,137
REMOND, ANNE-CATHERINE	3,033,253	ROYALTY, SUSAN M.	3,033,184	SAVOYE	3,032,909
REN, ALBERT S.	3,033,142	ROZEMA, DAVID B.	3,032,945	SAWBRIDGE, TIMOTHY IVOR	3,033,402
REN, DAKAI	3,033,224	RPC BRAMLAGE GMBH	3,032,873	SAWBRIDGE, TIMOTHY IVOR	3,033,405
REN, GUANGQIANG	3,033,231	RUAN, JUN	3,033,547	SCALES, CHARLES	3,033,154
REN, JINGLEI	3,033,144	RUBICON GLOBAL HOLDINGS, LLC	3,033,492	SCANLON, JEFFREY	3,033,508
REN, ZIHE	3,032,992	RUDOLPH, MICHAEL J.	3,032,799	SCANLON, PATRICK	3,033,508
RENAUD, PHILIP JOSEPH	3,033,207	RUPAREL, KIT	3,033,148	SCG CHEMICALS CO., LTD.	3,033,007
RENN, CAROLINE	3,033,559	RUSO, ROBERT S.	3,033,314	SCG CHEMICALS CO., LTD.	3,033,012
RENNIE, MICHAEL	3,033,343	RUTKOWSKI, JULIA LYNN	3,033,082	SCG CHEMICALS CO., LTD.	3,033,116
		RUUD, JAMES	3,033,197		
		RYAN, ANDREW VINCENT	3,033,283		
		RYAN, SHAWN	3,032,763		
		RYAN, SHAWN	3,033,084		

Index des demandes PCT entrant en phase nationale

SCHAEFFLER		SHARP KABUSHIKI KAISHA	3,033,176	SMITH, ERIC D.	3,033,227
TECHNOLOGIES AG & CO. KG	3,033,038	SHARP, BOB	3,033,214	SMITH, IRA STEVE	3,033,055
SCHARER, ALEXANDER	3,033,031	SHAW, SIMON	3,032,830	SMITH, JANET ELAINE	3,033,416
SCHERRER, JEAN-MARC	3,033,061	SHEEDER, JONATHAN DAVID	3,033,391	SMITH, LOGAN	3,032,892
SCHEUFLER, CHRISTIAN	3,033,559	SHEH, RAYMOND KA-MAN	3,033,200	SMITHER, KATE M.	3,033,536
SCHIERL, THOMAS	3,033,256	SHEINSON, TAMAR	3,033,585	SMOTROV, OLEG IGOREVICH	3,033,063
SCHILLBERG, STEFAN	3,033,271	SHELL INTERNATIONALE RESEARCH		SNYDER, JENNIFER L.	3,033,514
SCHILLER, DIRK	3,032,898	MAATSCHAPPIJ B.V.	3,033,204	SNYDER, MICHAEL	3,033,333
SCHILLER, DIRK	3,033,552	SHEN, PEIHUA	3,033,147	SOERENSEN, KIM IB	3,033,556
SCHINDLER, JOHN	3,033,198	SHEN, SI	3,033,217	SOERTEL, SEBASTIAN	3,033,313
SCHIPPERS, JACOBUS MAARTEN	3,033,202	SHERER, BRIAN A.	3,033,240	SOGA, TETSUNORI	3,033,168
SCHLOEMER, GERALD R.	3,032,969	SHETTY, SURESH	3,033,095	SOLOVYEV, VALERY VLADIMIROVICH	3,033,063
SCHLUMBERGER CANADA LIMITED	3,033,397	SHI, CE	3,032,924	SOMMERS, ERIC	3,032,951
SCHMID, STEFAN	3,033,579	SHI, XIANQING	3,032,963	SOMMERS, JEFFREY	3,033,109
SCHNEIDER, JOSEPH C.	3,032,951	SHIBAHARA, SUSUMU	3,033,272	SONDEREGGER, RALPH	3,033,266
SCHNEIDER, JOSEPH C.	3,033,141	SHIFRIN, DAVID	3,033,365	SONG, COLETTE	3,033,115
SCHNEIDER, RICHARD	3,033,379	SHIH, JAMES	3,033,088	SONG, JIANJUN	3,032,907
SCHONICHEN, ANDRE	3,033,094	SHIM, DONG SEOK	3,032,934	SONG, LIMIN	3,032,860
SCHOOOR, OLIVER	3,033,115	SHIM, DONG SEOK	3,033,056	SONG, LIMIN	3,033,363
SCHRADER, THOMAS O.	3,033,142	SHIMIZU, SHINOBU	3,032,917	SONY CORPORATION	3,033,345
SCHUBERT, WOLFGANG	3,033,457	SHIMOJO, TAKAHIRO	3,033,191	SONY CORPORATION	3,033,356
SCHUESSLER, DAVID	3,033,546	SHIN, JAE SEUNG	3,032,931	SORRENTO THERAPEUTICS, INC.	3,032,952
SCHUETZLE, DENNIS	3,032,922	SHINDE, ANIL KARBHARI	3,033,039	SOUTH DAKOTA BOARD OF REGENTS	3,033,291
SCHUETZLE, ROBERT	3,032,922	SHINDE, ANIL KARBHARI	3,033,050	SOUTHERN RESEARCH INSTITUTE	3,033,151
SCHULICK, PAUL	3,032,755	SHIONOGI & CO., LTD.	3,033,180	SOUTHWEST RESEARCH INSTITUTE	3,033,055
SCHULZ, EARL	3,033,005	SHOP VAC CORPORATION	3,033,261	SPANGENBERG, GERMAN CARLOS	3,033,402
SCHURR, ROBERT J.	3,032,878	SHOUP, TIMOTHY M.	3,033,079	SPANGENBERG, GERMAN CARLOS	3,033,405
SCHWAB, MARKUS	3,033,246	SHROYER, ALEXANDER	3,032,958	SPANGENBERG, OLIVER	3,033,062
SCHWAIGER, HUBERT MARTIN	3,033,000	SHUFFLE MASTER GMBH & CO KG	3,033,280	SPEER, JOHN	3,033,387
SCHWARTZ, PHILLIP M.	3,033,259	SHULTZ, LEONARD D.	3,033,505	SPENCER, ANTHONY S.	3,028,171
SCHWARZ, FRANZ	3,033,319	SIBAL, PAUL W.	3,033,179	SPENCER, ANTHONY S.	3,029,363
SCHWEIZER, TOM A.	3,032,747	SIEMAG TECBERG GMBH	3,033,457	SPERSKE, JASON	3,033,484
SCHWIER, SEBASTIAN	3,033,423	SIEMENS		SPIN INTERNATIONAL, SLU	3,033,464
SCI-BOTS INC.	3,033,398	AKTIENGESELLSCHAFT	3,032,784	SPINRITE INC.	3,033,416
SCOTT, JANE	3,033,247	SIEMENS		SPITZ, ROBERT M.	3,033,498
SEARS, STEPHEN B.	3,033,158	AKTIENGESELLSCHAFT	3,033,123	SPOONAMORE, JAMES E.	3,033,374
SEASHOLTZ, CRAIG A.	3,033,261	SIEMENS PRODUCT LIFECYCLE MANAGEMENT SOFTWARE INC.	3,033,502	SRI GOPALA KRISHNA MURTHI, SANKARA	3,033,089
SEASUN THERAPEUTICS	3,033,474	SIGL, DENNIS	3,032,953	STACHOWIAK, JOHN, JR.	3,012,156
SEATBACK ERGO LTD	3,033,585	SILK TECHNOLOGIES, LTD.	3,033,507	STAR MESH LLC	3,032,969
SEB S.A.	3,032,916	SILVA, BRIAN	3,032,946	STARSE ENERGY AND TECHNOLOGY (GROUP) CO., LTD	3,032,927
SEEGER, DOUGLAS W.	3,033,341	SILVER, PAMELA ANN	3,033,167	STASCHKE, LEAH	3,032,960
SEILER, PHILIPP	3,033,414	SIMÕES, JOSE	3,033,121	STEELE, ISAAC	3,033,059
SEKIMIZU, KAZUHISA	3,033,187	SINGH, HARPREET	3,033,115	STEGER, GREGORY	3,033,244
SELEGGT GMBH	3,033,318	SINGH, RAJINDER	3,032,830	STEINDORF, ERIC C.	3,028,171
SEMINARA, STEFANO	3,033,319	SINHA, DOLA	3,033,154	STEINDORF, ERIC C.	3,028,275
SEMKE, ELLEN D.	3,033,369	SISTARE, REBECCA ELIZABETH	3,033,384	STEINDORF, ERIC C.	3,029,363
SEMPLE, GRAEME	3,033,142	SITJA ARNAU, MARTA	3,032,891	STEINMETZ, BERNHARD	3,033,160
SENYUTA, ALEKSANDR SERGEEVICH	3,032,938	SLEWINSKI, THOMAS L.	3,033,373	STEVENS, ALEXANDER	3,032,968
SERA PROGNOSTICS, INC.	3,032,944	SLOBODYANYUK, EDUARD ANDREEVICH	3,032,938	STEWART, GREGORY T.	3,033,224
SERUM INSTITUTE OF INDIA PRIVATE LIMITED	3,032,901	SLUSAR, MARK	3,033,215	STOCKI, PAWEL	3,033,082
SEUCK, JOSEPH WAYNE	3,033,109	SMART TRIKE MNF PTE LTD.	3,033,594	STOCKLI, KASPAR	3,033,031
SEYMOUR, LEONARD WILLIAM	3,033,267	SMARTFLEX TECHNOLOGY PTE LTD	3,015,300	STOLARZ, CHRISTIAN	3,033,376
SHAH, NAVNIT H.	3,032,912	SMIRNOV, ANDREY ANDREEVICH	3,032,938	STOMBERG, CARMEN	3,033,423
SHAHBABA, BABAK	3,032,944	SMIRNOV, YURI	3,032,862	STORER, MATTEO	3,033,237
SHANG, GUOQIANG	3,032,919	SMITH, DANIEL	3,026,605		
SHARMA, RAJNI	3,033,569				
SHARP KABUSHIKI KAISHA	3,033,146				

Index of PCT Applications Entering the National Phase

STOTT, MARK GERALD	3,032,894	TAKENO, KAZUMA	3,033,270	THE GENERAL HOSPITAL	
STOTT, MARK GERALD	3,032,908	TAKESHITA, RYO	3,033,334	CORPORATION	3,032,999
STOWITTS, ADAM P.S.	3,032,964	TALON, CHRISTIAN	3,033,236	THE GENERAL HOSPITAL	
STRAITIFF, DONALD		TANAKA, MASAYUKI	3,033,272	CORPORATION	3,033,079
GRAHAM	3,033,519	TANAKA, RYOTA	3,033,462	THE GOVERNING COUNCIL	
STRAND, CHRISTIAN	3,033,425	TANAYAN, JOHN	3,032,932	OF THE UNIVERSITY OF	
STRATO, INC.	3,033,126	TANG, GUANGLIANG	3,032,930	TORONTO	3,033,122
STROHMAIER, KARL G.	3,033,235	TANTRY, SUDEESH K.	3,023,355	THE HOSPITAL FOR SICK	
STROMA MEDICAL		TANZI, RUDOLPH E.	3,033,079	CHILDREN	3,033,590
CORPORATION	3,033,073	TAO, ZHENG	3,032,927	THE JACKSON LABORATORY	3,033,505
STRONG, ROLAND	3,033,004	TAPPE, TIZIAN	3,032,904	THE LED SOURCE, INC.	3,033,337
STRUDLEY, ALAN VICTOR	3,033,575	TARGUS INTERNATIONAL		THE PROCTER & GAMBLE	
STRUPP, MICHAEL	3,033,557	LLC	3,033,219	COMPANY	3,032,750
STRUPP, MICHAEL	3,033,564	TARTAGLIA, JENNIFER B.	3,033,329	THE REGENTS OF THE	
STURDIVANT, JILL M.	3,033,184	TATTERSFIELD, BENJAMIN		UNIVERSITY OF	
STURGEON, JEFFREY	3,032,958	LUKE	3,033,410	CALIFORNIA	3,033,140
SU, HANG	3,032,970	TAYLOR, NOAH D.	3,033,374	THE REGENTS OF THE	
SUBRAMANIAN, SUNDAR	3,033,106	TAYLOR, ROBERT J.	3,033,128	UNIVERSITY OF	
SUCCA, LUCA	3,033,233	TECHNO-UMG CO., LTD.	3,033,174	MICHIGAN	3,033,223
SUGIURA, NATSUKO	3,032,914	TELEFONAKTIEBOLAGET LM		THE UNITED STATES OF	
SULFILATEC, INC.	3,033,365	ERICSSON (PUBL)	3,033,555	AMERICA, AS	
SUMMIT INNOVATION LABS,		TELFER, STUART		REPRESENTED BY THE	
LLC	3,032,792	ALEXANDER	3,032,948	SECRETARY,	
SUN, JING	3,033,177	TELLAKULA, ROOPA	3,033,044	DEPARTMENT OF	
SUN, JINGYUAN	3,033,528	TENG, YI-HSIEN HARRY	3,032,809	HEALTH AND HUMAN	
SUN, WEI	3,033,145	TENOVUO, KARNO	3,033,074	SERVICES	3,032,870
SUN, XIHUAN	3,033,459	TERMANINI, ZAFER	3,032,825	THE UNIVERSITY OF	
SUNCARBON AB	3,033,451	TERMO-IND S.A.	3,033,233	BRISTOL	3,032,899
SUNDA, TAKASHI	3,033,164	TEXAS TECH UNIVERSITY		THE UNIVERSITY OF BRITISH	
SUNDA, TAKASHI	3,033,463	SYSTEM	3,032,797	COLUMBIA	3,032,992
SUR, RAJESH	3,033,158	THAI POLYETHYLENE CO.,		THE UNIVERSITY OF	
SUTHERLAND, DAVID		LTD.	3,033,007	NEWCASTLE	3,032,864
CLAYTON	3,033,065	THAI POLYETHYLENE CO.,		THE UNIVERSITY OF NORTH	
SUVEN LIFE SCIENCES		LTD.	3,033,012	CAROLINA AT CHAPEL	
LIMITED	3,033,039	THAI POLYETHYLENE CO.,		HILL	3,033,125
SUVEN LIFE SCIENCES		LTD.	3,033,116	THE UNIVERSITY OF	
LIMITED	3,033,050	THE BOARD OF TRUSTEES OF		SHEFFIELD	3,033,573
SUZANO PAPEL E CELULOSE		THE LELAND STANFORD		THIND, MANDIP	3,033,136
S.A.	3,033,412	JUNIOR UNIVERSITY	3,033,092	THOLKES, ALAN	3,033,098
SUZUKI, HIDETOSHI	3,033,455	THE BOARD OF TRUSTEES OF		THOMAS, FRANK	3,032,784
SUZUKI, TOSHIHIKO	3,032,917	THE LELAND STANFORD		THOMAS, PATRICK	3,032,956
SWANSEA UNIVERSITY	3,033,208	JUNIOR UNIVERSITY	3,033,333	THREEBOND CO., LTD.	3,033,168
SWANSON, GREGORY P.	3,032,970	THE CENTERS FOR DISEASE		TINWORTH, CHRISTOPHER	3,033,001
SZALA, LAWRENCE E.	3,033,197	CONTROL AND		TIRELLA, VINCENZO	3,033,233
SZARY, JAROSLAW MICHAL	3,033,082	PREVENTION (CDC)	3,032,901	TIYAPIBOONCHAIYA,	
SZILLAT, FLORIAN	3,033,559	THE CHEMOURS COMPANY		PIYAWAN	3,033,007
SZYMKOWIAK, FELIX	3,033,320	FC, LLC	3,032,887	TIYAPIBOONCHAIYA,	
TAGAWA, SUMIO	3,033,469	THE CLIMATE CORPORATION	3,033,339	PIYAWAN	3,033,012
TAIHEI MACHINERY WORKS,		THE CLIMATE CORPORATION	3,033,483	TIYAPIBOONCHAIYA,	
LTD.	3,033,048	THE CLIMATE CORPORATION	3,033,488	PIYAWAN	3,033,116
TAIHEI MACHINERY WORKS,		THE COUNCIL OF THE		TOBRA MEDICAL, INC.	3,033,157
LTD.	3,033,049	QUEENSLAND		TOCCI, MICHAEL D.	3,033,242
TAJCHERT, AGNIESZKA	3,033,319	INSTITUTE OF MEDICAL		TOCCI, NORA	3,033,242
TAKAGI, TERUFUMI	3,033,461	RESEARCH	3,033,105	TOCYLOSKI, JAMES M.	3,032,887
TAKAHASHI, HIDEAKI	3,033,340	THE DEPARTMENT OF		TOFT, TUE	3,033,216
TAKASAGO INTERNATIONAL		PRIMARY INDUSTRIES,		TOHOKU UNIVERSITY	3,032,917
CORPORATION	3,033,329	AN OFFICE OF THE		TOKGOZ, MEHMET	3,033,169
TAKATA, ROSALIND K.	3,033,227	DEPARTMENT OF		TOKUTOMI, HIROSHI	3,033,270
TAKEDA PHARMACEUTICAL		INDUSTRY, SKILLS AND		TOKYO INSTITUTE OF	
COMPANY LIMITED	3,033,461	REGIONAL		TECHNOLOGY	3,033,171
TAKEDA, KAZUAKI	3,033,467	DEVELOPMENT	3,026,605	TOMITA, KENJI	3,033,180
TAKEDA, KAZUKI	3,033,170	THE FEINSTEIN INSTITUTE		TOMITA, YASUTAKA	3,033,263
TAKEDA, KAZUKI	3,033,467	FOR MEDICAL		TON-THAT, MINH-TAN	3,033,420
TAKEMOTO, SHINICHI	3,033,593	RESEARCH	3,032,794	TOOHER, J. PATRICK	3,033,509

Index des demandes PCT entrant en phase nationale

TOOLEY, EARNEST DEWAYNE	3,032,966	UNIVERSITY OF ROCHESTER	3,032,971	VINCI-BOOHER, SOPHIA ANGELA	3,032,958
TOOMEY, JENNIFER MARIE	3,032,755	UNIVERSITY OF TASMANIA	3,033,203	VINELAND RESEARCH AND INNOVATIONS CENTRE INC.	3,022,891
TORJESEN, ERIK	3,033,546	UNIVERSITY OF WASHINGTON	3,032,839	VINELAND RESEARCH AND INNOVATIONS CENTRE INC.	3,033,124
TORREZAN, TALYTA	3,033,412	UNL HOLDINGS LLC	3,033,314	VINKE, DANIEL	3,033,320
TORTLE PRODUCTS LLC	3,033,247	UPONOR INNOVATION AB	3,033,322	VINTONYAK, VIKTOR	3,033,058
TOSANO, NORIYUKI	3,032,928	UPTAKE TECHNOLOGIES, INC.	3,032,946	VIRTANEN, MIKKO	3,032,886
TOTAL CONTAINMENT INC.	3,033,034	URAI, MAKOTO	3,033,187	VIS, BRADLEY MICHAEL	3,033,422
TOYOSHIMA, KOH-EI	3,033,589	URBANALPS AG	3,033,153	VISH-WAKARMA, RAM	3,033,569
TRAHAN, MATTHEW	3,033,511	URBANSKI, JAKUB	3,033,117	VISION EASE, LP	3,033,550
TRASILANUN, SARANYA	3,033,012	US BIOLOGIC, INC	3,033,524	VLADIMIROVA, ANNA KONSTANTINOVNA	3,033,063
TRASILANUN, SARANYA	3,033,116	USAMIKRANK, YOKO	3,033,275	VLADUCHICK, PAUL	3,033,503
TRAN, ERIC	3,032,870	USM HOLDING AG	3,033,031	VLASBLOM, MARTIN PIETER	3,033,281
TRAN, MINH SANG	3,026,668	USSELMANN, PEGGY	3,033,249	VOLFSON, LEV	3,033,367
TRIESELMANN, THOMAS	3,033,058	USSELMANN, PEGGY	3,033,253	VOLLMER, BENJAMIN DAVID	3,032,836
TRINKNER, MICHAEL	3,033,141	UTSUNOMIYA UNIVERSITY	3,033,593	VONDERWELL, MARK P.	3,033,341
TSAN, ALISON	3,033,250	V. JULIANO COMMUNICATIONS, LLC	3,032,936	VONDRELL, RANDY M.	3,033,178
TSANG, DAN	3,033,219	VALENCIA, PHILIP	3,026,605	VONDRELL, RANDY M.	3,033,185
TSUBAME BHB CO., LTD.	3,033,171	VALIDOSE, INC.	3,033,067	VONDRELL, RANDY M.	3,033,189
TSUJI, TAKASHI	3,033,589	VAN DER HOFF, GUIDO JOHANNES	3,033,397	VONDRELL, RANDY M.	3,033,190
TUELLER, TODD GARRETT	3,032,894	VAN DER VEEN, STEFFEN HELGESEN	3,032,948	VONDRELL, RANDY M.	3,033,199
TUELLER, TODD GARRETT	3,032,908	VAN DORE, JONATHAN P.	3,033,390	VONDRELL, RANDY M.	3,033,209
TULL, GRAHAM	3,033,211	VAN KRINKS, CASSANDRA	3,032,897	VUKOTIC, VEDRAN NICHOLAS	3,033,090
TULL, GRAHAM	3,033,282	VAN NETTEN, KIM	3,032,864	WAGNER, D. RY	3,033,072
TULLBERG POULSEN, CHRISTIAN	3,033,216	VAN POTTELBERGE, STEVEN	3,033,321	WAGNER, DUSTIN	3,032,953
TURANOV, ANTON	3,033,368	VANDERSALL, HOWARD L.	3,033,245	WAKEFIELD, DARREN H.	3,032,945
TURNERY, MICHAEL A.	3,033,068	VANGREVELINGHE, ERIC	3,033,249	WALE, DINESH PRADEEP	3,023,355
TURNERY, MICHAEL A.	3,033,075	VANGREVELINGHE, ERIC	3,033,253	WALKER, CHRISTOPHER K.	3,033,055
TURNERY, MICHAEL A.	3,033,076	VARONE, ANTONIO	3,032,997	WALKER, KATIE M.	3,033,363
TZEGHAI, GHEBRE EGZIABHER	3,032,792	VARRIANO-MARSTON, ELIZABETH	3,033,375	WALMART APOLLO, LLC	3,032,796
UCHINO, TOORU	3,033,340	VASAVADA, AMIT	3,032,878	WALMART APOLLO, LLC	3,033,060
UEHARA, YURI	3,033,334	VASGAARD, AARON J.	3,033,128	WALMART APOLLO, LLC	3,033,128
ULITIN, ANDREI BORISOVICH	3,033,063	VASSILIADIS, SIMONE	3,033,402	WALMART APOLLO, LLC	3,033,213
ULLEBERG, OYSTEIN	3,032,787	VAYSER, ALEX	3,033,188	WALMART APOLLO, LLC	3,033,218
ULLEBERG, OYSTEIN	3,032,788	VAZ-POCAS, DANIEL	3,033,376	WALMART APOLLO, LLC	3,033,220
ULLRICH, THOMAS	3,033,249	VEEREPALLI, SIVARAMAKRISHNA	3,033,027	WALSH, PATRIC SEAN	3,033,241
ULLRICH, THOMAS	3,033,253	VEGANUTRITTECH LLP	3,032,926	WANCHO, THOMAS F.	3,032,743
UNILEVER PLC	3,033,228	VELSIS SISTEMAS E TECNOLOGIA VIARIA S/A	3,008,080	WANG, CAIFENG	3,033,453
UNITED KINGDOM RESEARCH AND INNOVATION	3,033,422	VENKATESH, TYAMAGONDLU V.	3,033,373	WANG, HUI	3,033,373
UNITED STATES GYPSUM COMPANY	3,032,828	VERACYTE, INC.	3,033,241	WANG, JIYE	3,032,907
UNITED STATES GYPSUM COMPANY	3,032,829	VERDERG RENEWABLE ENERGY LIMITED	3,033,485	WANG, JUN	3,033,537
UNITED STATES GYPSUM COMPANY	3,032,833	VERDIER, FLORENT	3,033,100	WANG, JYH-PERNG	3,033,143
UNITED STATES GYPSUM COMPANY	3,032,834	VERDOES, MARTIJN	3,033,092	WANG, KAIYU	3,033,193
UNITY HEALTH TORONTO	3,032,747	VERETTAS, IRENE	3,033,236	WANG, LILEI	3,033,455
UNIVERSITE PARIS DESCARTES	3,033,446	VERSALIS S.P.A.	3,032,907	WANG, LANSHI	3,033,147
UNIVERSITEIT GENT	3,033,103	VERWEY, JOHN	3,033,416	WANG, SHAOMENG	3,033,223
UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC.	3,032,837	VESUVIUS USA CORPORATION	3,033,121	WANG, WEN BO	3,033,205
UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC.	3,033,532	VIACOM INTERNATIONAL INC.	3,033,059	WANG, XIAOJUN	3,032,954
UNIVERSITY OF MARYLAND	3,033,516	VIB VZW	3,033,103	WANG, XIN	3,033,333
UNIVERSITY OF MASSACHUSETTS	3,033,368	VICTAULIC COMPANY	3,032,743	WANG, YU	3,033,235
		VICTOR, BRUCE LAURENCE	3,033,383	WANG, YUJIANG	3,033,453
		VIDEBAEK, KARSTEN	3,033,216	WANG, ZHENXIANG	3,032,927
		VIEIRA, JOE	3,033,095	WANSCH, RAINER	3,033,548

Index of PCT Applications Entering the National Phase

WEATHERFORD TECHNOLOGY HOLDINGS, LLC	3,012,155	WOODBURY, TAYLOR JOHN	3,032,894	ZAKARIA, PHILIP JAMES CHARLES	3,033,203
WEATHERFORD TECHNOLOGY HOLDINGS, LLC	3,012,156	WOODBURY, TAYLOR JOHN	3,032,908	ZATECHKA, STEVEN	3,033,524
WEATHERFORD TECHNOLOGY HOLDINGS, LLC	3,033,336	WOODDELL, CHRISTINE I.	3,032,945	ZEALITY INC.	3,033,484
WEBBER, MIKE	3,033,551	WORGOTTER, HERBERT	3,033,047	ZEG POWER AS	3,032,787
WEBER, JOSEPH P.	3,028,171	WOZNIAK, RACHEL	3,032,971	ZEG POWER AS	3,032,788
WEBER, JOSEPH P.	3,028,275	WRIGHT MEDICAL TECHNOLOGY, INC.	3,033,269	ZENG, YONGBO	3,033,450
WEBER, JOSEPH P.	3,029,363	WRIGHT MEDICAL TECHNOLOGY, INC.	3,033,476	ZHANG, BAODING	3,033,459
WEBER, THOMAS	3,033,204	WU, HAO	3,033,456	ZHANG, CHONGMING	3,033,146
WEE, JOO HO DUANE	3,033,110	WU, PING	3,032,919	ZHANG, GONGZHENG	3,033,537
WEGENER, MORITZ	3,033,038	WU, ZHAO	3,032,919	ZHANG, JIPING	3,033,391
WEHLING, PETER	3,033,045	WUTS, PETER	3,033,500	ZHANG, JUNGE	3,032,885
WEI, PUMENG	3,014,482	WUXI FORTUNE PHARMACEUTICAL CO., LTD	3,033,456	ZHANG, NIPING	3,014,482
WEINSCHENK, TONI	3,033,115	WYKES, MICHELLE	3,033,105	ZHANG, XINGTAO	3,033,225
WEISS, PHILIP LEONARD	3,033,554	WYSONG, ERNEST BYRON	3,032,887	ZHANG, XINGTAO	3,033,458
WEN, XIAO-YAN	3,032,747	WYSZYNSKI, KAMIL ALEKSANDER	3,033,442	ZHANG, YE	3,033,334
WEN, YUNG-SHUN	3,033,046	XERO LIMITED	3,032,942	ZHANG, YI	3,033,528
WENING, KLAUS	3,033,423	XIAO, GANG ANDY	3,033,011	ZHANG, YIBING	3,033,363
WESTROCK PACKAGING SYSTEMS, LLC	3,033,378	XIE, XIAOLIANG SUNNEY	3,033,506	ZHANG, YONG	3,033,154
WHEELER, AARON R.	3,033,398	XING, DONG	3,033,506	ZHANG, ZHAODUO	3,033,366
WHITE, CHARLES	3,033,516	XU, JIANMING	3,033,453	ZHAO, LIJIA	3,033,387
WHITE, CRAIG KARL	3,033,581	XU, LIJUAN	3,033,483	ZHAO, YONG	3,033,539
WICHER, KRZYSZTOF BARTLOMIEJ	3,033,082	XU, XIANG	3,032,830	ZHAO, ZEJUAN	3,033,231
WIEBE, ANITA	3,033,115	XU, YING	3,033,488	ZHENG, XUEJIAN	3,033,456
WIEMANN, HENNING	3,033,555	XYLO TECHNOLOGIES AG	3,033,081	ZHENG, ZHILI	3,032,870
WIERUCH, DENNIS	3,033,256	Y-BIOLOGICS INC.	3,032,806	ZHOU, CHAO	3,032,921
WIESE, SEAN	3,033,159	YABUKI, HIROSHI	3,032,925	ZHU, RUI	3,032,945
WILCOX, DONALD E.	3,033,371	YADIN, AMNON	3,033,354	ZHU, XIUWEN	3,033,142
WILES, MICHAEL V.	3,033,505	YAMADA, KAZUTERU	3,033,334	ZHU, YONG-LIANG	3,033,370
WILESMITH, BRADLEY J.	3,033,230	YAMADA, SHOHEI	3,033,146	ZHUANG, QIANSHENG	3,032,927
WILKINSON, BRUCE W.	3,032,796	YAMAMOTO, TOMIZO	3,032,994	ZHYHINAS, OLEH	3,033,442
WILKINSON, BRUCE WALTER	3,033,213	YAN, LIANG ZENG	3,032,885	ZIEMANN, DAVID W.	3,033,535
WILKINSON, CHRISTOPHER	3,032,939	YAN, YING	3,033,144	ZIERA, TIM	3,033,094
WILLARD, GRETCHEN	3,033,157	YANG, BING	3,033,231	ZIERA, TIM	3,033,102
WILLIAMSON, CHRISTOPHER A.	3,033,341	YANG, GAOMAI	3,033,064	ZINGER, SLAV	3,033,194
WILLIS, THOMAS M., III	3,033,252	YANG, MENGQIAO	3,032,916	ZIZ DENTAL CARE S.L.	3,033,541
WILLMOTT, JONATHAN RAFFE	3,033,573	YASUKAWA, SHINPEI	3,033,170	ZOGENIX INTERNATIONAL LIMITED	3,032,996
WILLOT, MATTHIEU	3,033,226	YEDITEPE UNIVERSITESI	3,033,070	ZORN, JAMES KYLE	3,033,065
WILSON, PAUL	3,033,493	YI, HUIAN	3,032,927	ZORZELLA, EMIDIO	3,032,888
WIM DE LAAT CONSULTANCY B.V.	3,033,424	YI, QIZUN	3,032,927	ZOUHAIR, AICAM	3,033,336
WIRTH, THOMAS	3,033,256	YILMAZ, UGURHAN	3,033,324	ZTE CORPORATION	3,032,919
WITCHEY, NICHOLAS	3,032,767	YODER, MERVIN C.	3,033,381	ZUSHI, YUSUKE	3,033,042
WITKOWSKI, BENOIT	3,033,016	YOKOYAMA, RYO	3,033,469		
WITTNEBEL, MICHAEL	3,033,576	YOKOYAMA, TOSHIHARU	3,033,171		
WITTNEBEL, MICHAEL	3,033,579	YONEJIMA, YASUNORI	3,033,275		
WITTRIG, ASHLEY M.	3,033,087	YONEZAWA, YASUHITO	3,033,191		
WITTRIG, ASHLEY M.	3,033,235	YOO, SARAH	3,032,838		
WOBLEN PROPERTIES GMBH	3,033,320	YOON, SUNG-YONG H.	3,033,072		
WOLF, HENRY ALAN	3,033,363	YOSHIKAWA, FUMIAKI	3,032,928		
WONG, ALFRED	3,014,006	YOSHITOMI, MAMORU	3,033,587		
WOO, KWANG SU	3,033,478	YOUMAIL, INC.	3,032,799		
WOO, KWANG SU	3,033,479	YOUNG, LAWRENCE WILLIAM	3,033,034		
WOODARD, KENTON	3,033,125	YOUNG, PETER	3,033,508		
WOODBURN, DAVID	3,033,193	YU, JI-YEON	3,033,474		
		YU, XIAOJIE	3,033,536		
		YUAN, JINGUO	3,033,036		
		YUAN, ZHI-MIN	3,032,970		
		YUYAMA MFG. CO., LTD.	3,033,053		
		ZADE, JAGDISH KAMALAJI	3,032,901		

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

1366 TECHNOLOGIES INC.	3,031,880	COHEN, DANIEL	3,031,490	KALLAI, CHRISTOPHER	3,032,479
AB INITIO TECHNOLOGY LLC	3,022,050	COILED TUBING		KAPLAN, LEE D.	3,032,447
ABE, YUKI	3,021,435	SPECIALTIES, LLC	3,031,820	KASUYA, YUJI	3,021,435
ADAMS, WHITNEY	3,028,772	COILED TUBING		KAWABE, TAKUMI	3,030,510
AFINITI EUROPE		SPECIALTIES, LLC	3,031,514	KEYSTONE RETAINING	
TECHNOLOGIES LIMITED	3,031,654	COLGATE-PALMOLIVE		WALL SYSTEMS LLC	3,031,655
ALLIN, GLENN JOHN	3,022,050	COMPANY	3,032,425	KIRKHOPE, KENNEDY J.	3,031,975
AMGEN BRITISH COLUMBIA	3,031,851	COOPER TECHNOLOGIES		KLEINIKKINK, ALBERT	3,030,712
ARAFI, FUAD	3,032,707	COMPANY	3,026,556	KLUGE, ARTHUR F.	3,031,835
ASHIDA, SHINJI	3,021,435	CORTEZ, ROGELIO	3,031,482	KOBAYAKAWA, KO	3,032,127
ASTORG, PAUL	3,031,884	DAIICHI SANKYO COMPANY,		KOBAYAKAWA, REIKO	3,032,127
ASTORG, SEVE	3,031,884	LIMITED	3,021,435	KRATZER, TIMO	3,032,110
ATEMBOSKI, ALAN R.	3,032,800	DALE, CHARLES	3,032,106	KUCHER, LUBOMYR	3,028,772
ATS AUTOMATION TOOLING		DANDREAUX, GARY	3,032,277	LAM, KIET	3,031,482
SYSTEMS INC.	3,030,712	DAROIS, ROGER E.	3,032,431	LAMBOURNE, ROBERT A.	3,032,479
AUTOIPACKET, LLC	3,031,884	DAVIS, BRANDON	3,028,772	LEE, JEFF	3,030,712
BABCOOK, JOHN	3,031,851	DB INNOVATION INC	3,031,763	LORENZ, ADAM M.	3,031,880
BANCHEREAU, JACQUES F.	3,032,548	DERRICK CORPORATION	3,032,710	LOWE, BRENDA	3,028,772
BAR-TAL, MEIR	3,031,480	EAST, GORDON W.	3,031,828	LUGTIGHEID, GERARDUS	
BARBER, NICHOLAS	3,032,800	ERICSON, MICHAEL DARELL		WILHELMUS	3,031,477
BAYLOR RESEARCH		ANDREW	3,032,479	LUNG, KEVIN	3,032,475
INSTITUTE	3,032,548	ESKAROS, SHERIF A.	3,032,125	MACDONALD, ROBERT A.	3,031,655
BENJAMIN MOORE & CO.	3,032,277	FORNARELLI, THOMAS	3,031,763	MAHFOUZ, MOHAMED	
BENSON, TODD W.	3,031,827	FOTHERINGHAM, WILLIAM		RASHWAN	3,032,179
BIOSENSE WEBSTER, INC.	3,031,480	ROSS	3,032,800	MANAHAN, JOSEPH	
BJORSELL, JOHAN EMIL		FRANKLIN, MARK A..	3,032,181	MICHAEL	3,026,556
VICTOR	3,032,707	FROUTAN, PAUL P.	3,032,106	MANN, MICHAEL T.	3,028,772
BOARD OF REGENTS, THE		GENEZE INNOVATION INC.	3,026,682	MARTINEZ, MATTHEW	3,032,475
UNIVERSITY OF TEXAS		GINN, TERRELL DALLAS	3,032,172	MASUDA, TAKESHI	3,021,435
SYSTEM	3,031,836	GODFREY, ROBERT J.	3,029,956	MAZDIYASNI, HORMOZ	3,031,835
BOWMAN, HEATH	3,031,482	GRAM, HERMANN	3,030,662	MAZICH, KENNETH	3,032,125
BROUSSEAU, JEAN-PHILIPPE	3,026,682	GRAY, DANNY LYNN	3,032,172	MICROVENTION, INC.	3,031,482
C.R. BARD, INC.	3,032,431	GREENFIELD, EDWARD A.	3,031,851	MILLENNIUM	
CANBAS CO., LTD.	3,030,510	GROMES, KRISTEN E.	3,031,828	PHARMACEUTICALS,	
CANON KABUSHIKI KAISHA	3,031,949	GROMES, TERRY DEAN, JR.	3,031,828	INC.	3,031,851
CANON KABUSHIKI KAISHA	3,031,957	GROMES, TERRY DEAN, SR.	3,031,828	MIYABE, SHIGEO	3,031,949
CANON KABUSHIKI KAISHA	3,031,965	GUERASSIMENKO, OXANA	3,031,490	MIYABE, SHIGEO	3,031,957
CANON KABUSHIKI KAISHA	3,031,968	H2FUEL-SYSTEMS B.V.	3,031,477	MIYABE, SHIGEO	3,031,965
CANON KABUSHIKI KAISHA	3,031,974	HALLIBURTON ENERGY		MIYABE, SHIGEO	3,031,968
CARL ZEISS VISION		SERVICES, INC.	3,031,975	MIYABE, SHIGEO	3,031,974
INTERNATIONAL GMBH	3,032,110	HANEMAAYER, VICTOIRE	3,030,502	MIYAZAKI, HIDEKI	3,021,435
CELGENE CAR LLC	3,031,835	HANTSOO, EERIK T.	3,031,880	MONSANTO TECHNOLOGY	
CHAHLEY, DENNIS W.	3,031,910	HASEGAWA, YOKO	3,030,510	LLC	3,028,772
CHAHLEY, DENNIS W.	3,031,929	HUDELSON, G. D. STEPHEN	3,031,880	MOOG INC.	3,032,475
CHAHLEY, DENNIS W.	3,031,933	HUI, KA PO CATHERINE	3,031,910	MORENO, MARIA	3,031,482
CHAMBERLAIN, ROGER D.	3,032,181	HUI, KA PO CATHERINE	3,031,929	MORIOKA, MASANARI	3,031,949
CHEN, TEDDY	3,031,827	HUI, KA PO CATHERINE	3,031,933	MORIOKA, MASANARI	3,031,957
CHISHTI, ZIA	3,031,654	IP RESERVOIR, LLC	3,032,181	MORIOKA, MASANARI	3,031,965
CHUMAKOV, ILYA	3,031,490	ISHIGAKI, MACHIYO	3,030,510	MORIOKA, MASANARI	3,031,968
CNH INDUSTRIAL CANADA,		JACKSON, WILLIAM C.	3,031,828	MORIOKA, MASANARI	3,031,974
LTD.	3,031,910	JI, YANMEI	3,032,425	MORITA, KOJI	3,021,435
CNH INDUSTRIAL CANADA,		JOINT VUE, LLC	3,032,179	MOTIVE DRILLING	
LTD.	3,031,929	JONCZYK, RALF	3,031,880	TECHNOLOGIES, INC.	3,031,827
CNH INDUSTRIAL CANADA,		JONES, JAYSON	3,030,712	MUELLER, FRANK	3,032,475
LTD.	3,031,933	JUNG, THOMAS	3,030,662	NABIROCHKIN, SERGUEI	3,031,490

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

NAITO, HIROYUKI	3,021,435	TUCKER, CHRISTOPHER	3,032,515
NAKADA, TAKASHI	3,021,435	UENO, TAKAHITO	3,031,949
NAM, SAMUEL S.	3,031,851	UENO, TAKAHITO	3,031,957
NELSON, HARRY THOMAS	3,032,515	UENO, TAKAHITO	3,031,965
NICHOLSON, STEVE	3,032,707	UENO, TAKAHITO	3,031,968
NITZAN, YAACOV	3,031,480	UENO, TAKAHITO	3,031,974
NIU, DEQIANG	3,031,835	VAN DER SLUIS, PETER	
NORTHEY, BRAD	3,030,712	WILLEM	3,029,956
NOVARTIS AG	3,030,662	VOIP-PAL.COM, INC.	3,032,707
O'KEEFE, THERESA	3,031,851	W.L. GORE & ASSOCIATES,	
OGITANI, YUSUKE	3,021,435	INC.	3,032,125
OH, SANGKON	3,032,548	WALLACE, RICHARD L.	3,031,880
OZSOY, HATICE	3,031,836	WARNER, CLIFFORD P.	3,032,125
PARSONS, SCOTT	3,032,181	WELSCHER, MONIQUE	3,032,110
PERREAULT, CLAY	3,032,707	WESTLIN, WILLIAM	
PETTER, RUSSELL C.	3,031,835	FREDERICK	3,031,835
PHARNEXT	3,031,490	WILKINSON, KENNETH	3,031,884
QIAO, LIXIN	3,031,835	WILMES, JOEL	3,031,827
QIN, SHIXIN	3,031,851	WOJCIECHOWSKI, KEITH F.	3,032,710
RANDALL, BRUCE L.	3,031,514	XENEX DISINFECTION	
RANDALL, BRUCE L.	3,031,820	SERVICES, LLC.	3,032,106
RANUCCI, KEVIN J.	3,032,431	YAMAMOTO, SAYAKA	3,030,510
REIMANN, ROBERT	3,032,479	YANG, SHI-JUN	3,032,277
RETAREKAR, ROHINI	3,031,482	YARON, URI	3,031,480
RHODES, DAVID	3,032,475	YOSHIDA, MASAO	3,021,435
RICCOBENE, THOMAS S.	3,031,655	ZACHARIAS, DARWIN L.	3,031,910
RUMENS, KURT W. F.	3,032,800	ZACHARIAS, DARWIN L.	3,031,929
SACHS, EMANUEL M.	3,031,880	ZACHARIAS, DARWIN L.	3,031,933
SARBORA, RUSSELL SAMUEL	3,032,515	ZEISLER, STEFAN K.	3,030,502
SATO, TAKUJI	3,030,510	ZINITI, DONALD E.	3,032,431
SCENT SCIENCE		ZURAWSKI, GERARD	3,032,548
INTERNATIONAL INC.	3,032,127	ZURAWSKI, SANDRA	3,032,548
SCHAFFER, PAUL	3,030,502		
SCHALLER, BRAD A.	3,029,956		
SCHECHTER, IAN	3,022,050		
SCHUEHLER, DAVID			
VINCENT	3,032,181		
SCOTT, LINZY O., III	3,031,481		
SERVICENOW, INC.	3,032,515		
SHALGI, AVI	3,031,480		
SHEERIN, ROBERT J.	3,032,277		
SHIMIZU, JARED	3,031,482		
SHOCKEY, JON M.	3,031,828		
SIMMONS, SARAH E.	3,032,106		
SINGH, JUSWINDER	3,031,835		
SONOS, INC.	3,032,479		
SPAKEVICIUS, DANGUOLE	3,031,836		
SPENCER, MICHAEL	3,028,772		
STIBICH, MARK A.	3,032,106		
SUL4R-PLUS, LLC	3,032,172		
TAYLOR, DAVID E.	3,032,181		
TAYLOR, JAVAN	3,030,712		
TECHNOLOGIES HOLDINGS			
CORP.	3,029,956		
TERYDON, INC.	3,031,828		
TESTER, RICHLAND WAYNE	3,031,835		
THOMPSON, DENNIS G.	3,031,910		
THOMPSON, DENNIS G.	3,031,929		
THOMPSON, DENNIS G.	3,031,933		
THOMSON, ROD	3,032,707		
TOEPFER, KENT B.	3,029,956		
TRAVIS INDUSTRIES, INC.	3,032,800		
TRIPLETT, MARK	3,032,479		
TRIUMF	3,030,502		