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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.

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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	23
Canadian Applications Open to Public Inspection	
Demandes canadiennes mises à la disponibilité du public.....	81
PCT Applications Entering the National Phase	
Demandes PCT entrant en phase nationale	101
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	185
Index of Canadian Patents Issued	
Index des brevets canadiens délivrés	190
Index of Canadian Applications Open to Public Inspection	
Index des demandes canadiennes mises à la disponibilité du public	200
Index of PCT Applications Entering the National Phase	
Index des demandes PCT entrant en phase nationale	204
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	219

Notices

Avis

1. Dates and Code Numerals Appearing in Patent Headings

Dates

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

Code Numerals

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

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

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

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

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

Dates

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

Chiffres de code

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

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

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

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

2. Country Code

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

2. Code des pays

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

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

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

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

6. Licensing of Patents

Voluntary Licences

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

Compulsory Licences

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

7. Patents Available for Licence or Sale

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

8. List of Patents Available for Licence or Sale

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

2,900,838
2,990,653
2,992,182

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Octroi de licences en vertu des brevets

Licences librement accordées

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

Licences obligatoires

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

7. Brevets disponibles pour licence ou vente

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

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

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

2,900,838
2,990,653
2,992,182

9. Applications Open to Public Inspection

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

10. Language of Published Documents

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

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

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

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

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

9. Demandes mises à la disponibilité du public

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

10. Langue du document publié

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

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

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

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

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

Notices

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

4. Late payment fee

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

Preliminary Examination

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

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

* International fees will be reduced by:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

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

4. Taxe pour paiement tardif

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

Examen préliminaire

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

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

* Les frais seront réduits de:

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Notices

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

14. Procédures de correspondance

le 20 juin, 2017

1. [Livraison en personne de correspondance à l'OPIC.](#)
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'OPIC

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 de 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'OPIC 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.

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.

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

* 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 March 26, 2019 contains applications open to public inspection from March 10, 2019 to March 16, 2019.

15. Demandes canadiennes mises à la disponibilité du public

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

Canadian Patents Issued

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Brevets canadiens délivrés

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[11] **2,412,936**
[13] C

[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **METHOD OF AND SYSTEM FOR MANAGING PROMOTIONS FOR PURCHASE TRANSACTIONS OVER A NETWORK**

[54] **PROCEDE ET SYSTEME DE GESTION DE PROMOTIONS DESTINEES A DES TRANSACTIONS D'ACHAT PAR LE BIAIS D'UN RESEAU**

[72] LAOR, RAVIV, US
[73] CATALINA MARKETING CORPORATION, US
[85] 2002-12-12
[86] 2001-05-09 (PCT/US2001/014890)
[87] (WO2001/098988)
[30] US (09/595,677) 2000-06-19

[11] **2,478,009**
[13] C

[51] **Int.Cl. A61K 39/285 (2006.01) A61K 39/245 (2006.01) C12N 7/00 (2006.01)**
[25] EN
[54] **MODIFIED VACCINIA VIRUS ANKARA FOR THE VACCINATION OF NEONATES**

[54] **VIRUS DE LA VACCINE ANKARA MODIFIEE POUR LA VACCINATION DES NOUVEAUX-NEES**

[72] CHAPLIN, PAUL, DE
[72] SUTER, MARK, CH
[72] ACKERMANN, MATHIAS, CH
[72] FRANCHINI, MARCO, CH
[72] VOLLSTEDT, SABINE, CH
[72] HEFTI, HANS PETER, CH
[73] BAVARIAN NORDIC A/S, DK
[85] 2004-08-31
[86] 2003-04-16 (PCT/EP2003/003994)
[87] (WO2003/088994)
[30] DK (PA 2002 00590) 2002-04-19

[11] **2,616,189**
[13] C

[51] **Int.Cl. C12Q 1/68 (2018.01) A61K 31/00 (2006.01) A61K 39/395 (2006.01) C07K 16/28 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **METHODS FOR REDUCING VIRAL LOAD IN HIV-1-INFECTED PATIENTS**

[54] **PROCEDES POUR LA REDUCTION DE LA CHARGE VIRALE CHEZ DES PATIENTS INFECTES PAR LE VIH 1**

[72] OLSON, WILLIAM C., US
[72] MADDON, PAUL J., US
[72] PEVEAR, DANIEL C., US
[72] ISRAEL, ROBERT J., US
[72] MURGA, JOSE D., US
[73] CYTODYN, INC., US
[85] 2008-01-21
[86] 2006-07-21 (PCT/US2006/028565)
[87] (WO2007/014114)
[30] US (60/702,064) 2005-07-22
[30] US (60/701,889) 2005-07-23
[30] US (60/711,528) 2005-08-26
[30] US (60/715,619) 2005-09-09

[11] **2,616,452**
[13] C

[51] **Int.Cl. G07C 3/08 (2006.01) F16T 1/48 (2006.01)**
[25] EN
[54] **DEVICE MANAGEMENT METHOD, ANALYSIS SYSTEM USED THEREIN, MAINTENANCE INSPECTION SUPPORT METHOD, AND MAINTENANCE INSPECTION SUPPORT APPARATUS USED THEREIN**

[54] **METHODE DE GESTION DE DISPOSITIF, SYSTEME D'ANALYSE UTILISE DANS CE DERNIER, METHODE DE SOUTIEN D'INSPECTION D'ENTRETIEN ET APPAREIL DE SOUTIEN D'INSPECTION D'ENTRETIEN CONNEXE**

[72] FUJIWARA, YOSHIYASU, JP
[72] ODA, KAZUNORI, JP
[73] TLV CO., LTD., JP
[85] 2008-01-24
[86] 2006-07-25 (PCT/JP2006/314690)
[87] (WO2007/013466)
[30] JP (2005-214646) 2005-07-25
[30] JP (2005-216145) 2005-07-26
[30] JP (2005-217353) 2005-07-27

[11] **2,618,940**
[13] C

[51] **Int.Cl. A61B 18/14 (2006.01) A61B 8/12 (2006.01)**
[25] EN
[54] **CATHETER WITH MICROPHONE**

[54] **CATHETER AVEC MICROPHONE**

[72] GOVARI, ASSAF, IL
[72] EPHRATH, YARON, IL
[72] ALTMANN, ANDRES CLAUDIO, IL
[72] SCHWARTZ, YITZHACK, IL
[72] DMITRI, MODEL, IL
[73] BIOSENSE WEBSTER, INC., US
[86] (2618940)
[87] (2618940)
[22] 2008-01-18
[30] US (11/624,280) 2007-01-18

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[11] **2,668,354**
[13] C

[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SITUATIONAL CONTROL OF AVIATION MAINTENANCE AND OPERATION**

[54] **SYSTEME ET PROCEDE DE CONTROLE SITUATIONNEL POUR LA MAINTENANCE ET L'EXPLOITATION D'AERONEFS**

[72] KNUDSON, RICHARD T., US
[72] RUTH, ROBERT S., US
[73] THE BOEING COMPANY, US
[85] 2009-05-01
[86] 2007-11-09 (PCT/US2007/084339)
[87] (WO2008/150310)
[30] US (11/558,806) 2006-11-10

[11] **2,671,431**
[13] C

[51] **Int.Cl. C07K 19/00 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01) C12Q 1/00 (2006.01) G01N 33/52 (2006.01) G01N 33/53 (2006.01) G01N 33/84 (2006.01)**

[25] EN
[54] **ANALYTE SENSORS, METHODS FOR PREPARING AND USING SUCH SENSORS, AND METHODS OF DETECTING ANALYTE ACTIVITY**

[54] **DETECTEURS D'ANALYTE, PROCEDES DE PREPARATION ET D'UTILISATION DE CES DETECTEURS, ET PROCEDES DE DETECTION DE L'ACTIVITE D'UN ANALYTE**

[72] YANG, JENNY JIE, US
[72] ZOU, JIN, US
[72] ELLIS, APRIL L., US
[72] YE, YIMING, US
[72] HOLDER, ANGELA, US
[72] HUANG, YUN, US
[72] YANG, WEI, CN
[72] KIRBERGER, MICHAEL, US
[73] GEORGIA STATE UNIVERSITY RESEARCH FOUNDATION, INC., US
[85] 2009-06-02
[86] 2007-12-14 (PCT/US2007/025623)
[87] (WO2008/076365)
[30] US (60/869,968) 2006-12-14

[11] **2,687,450**
[13] C

[51] **Int.Cl. C12N 9/88 (2006.01)**
[25] EN
[54] **COMPOSITIONS OF PROKARYOTIC PHENYLALANINE AMMONIOLYASE AND METHODS OF USING SAID COMPOSITIONS**

[54] **COMPOSITIONS DE PHENYLALANINE AMMONIOLYASE PROCARYOTIQUE ET PROCEDES D'UTILISATION DE CES COMPOSITIONS**

[72] VELLARD, MICHEL C., US
[72] FITZPATRICK, PAUL A., US
[72] KAKKIS, EMIL D., US
[72] WENDT, DANIEL J., US
[73] BIOMARIN PHARMACEUTICAL INC., US
[85] 2009-11-13
[86] 2008-05-23 (PCT/US2008/006661)
[87] (WO2008/153776)
[30] US (11/807,227) 2007-05-25

[11] **2,690,170**
[13] C

[51] **Int.Cl. E06B 9/322 (2006.01) E06B 9/262 (2006.01)**

[25] EN
[54] **NOISE DAMPENING MOTOR DRIVE SYSTEM FOR RETRACTABLE COVERING FOR ARCHITECTURAL OPENINGS**

[54] **INSTALLATION D'ENTRAINEMENT PAR MOTEUR INSONORISE POUR CAPOT RETRACTABLE D'OUVERTURES ARCHITECTURALES**

[72] HOLT, RONALD, US
[72] WISECUP, STEPHEN T., US
[72] FALLER, KENNETH M., US
[73] HUNTER DOUGLAS INC., US
[86] (2690170)
[87] (2690170)
[22] 2010-01-13
[30] US (61/144,467) 2009-01-14
[30] US (12/685,927) 2010-01-12

[11] **2,694,406**
[13] C

[51] **Int.Cl. C12N 15/864 (2006.01)**
[25] EN
[54] **BACULOVIRAL VECTORS COMPRISING REPEATED CODING SEQUENCES WITH DIFFERENTIAL CODON BIASES**

[54] **VECTEURS BACULOVIRAUX COMPRENANT DES SEQUENCES CODANTES REPETEES AVEC DES ERREURS SYSTEMATIQUES DE CODON DIFFERENTIEL**

[72] BAKKER, ANDREW CHRISTIAN, NL
[72] HERMENS, WILHELMUS THEODORUS JOHANNES MARIA CHRISTIAAN, NL
[73] UNIQUE IP B.V., NL
[85] 2010-01-25
[86] 2008-07-25 (PCT/NL2008/050512)
[87] (WO2009/014445)
[30] US (60/952,081) 2007-07-26
[30] EP (07113257.5) 2007-07-26

[11] **2,696,768**
[13] C

[51] **Int.Cl. A61K 39/00 (2006.01)**
[25] EN
[54] **COMPOSITION FOR TREATING LUNG CANCER, PARTICULARLY OF NON-SMALL LUNG CANCERS (NSCLC)**

[54] **COMPOSITION UTILISEE POUR TRAITER LE CANCER DU POUMON, EN PARTICULIER LE CANCER BRONCHOPULMONAIRE NON A PETITES CELLULES (CBNPC)**

[72] BARNER, MARIJKE, DE
[72] PROBST, JOCHEN, DE
[72] LANDER, THOMAS, DE
[72] HOERR, INGMAR, DE
[73] CUREVAC AG, DE
[85] 2010-02-17
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[87] (WO2009/046974)
[30] EP (PCT/EP2007/008770) 2007-10-09

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[11] **2,712,470**
[13] C

[51] **Int.Cl. C11D 1/94 (2006.01) C11D 3/00 (2006.01) C11D 3/20 (2006.01)**
[25] EN
[54] **LIGHT DUTY LIQUID CLEANING COMPOSITIONS AND METHODS OF MANUFACTURE AND USE THEREOF**
[54] **COMPOSITIONS DE NETTOYAGE LIQUIDE POUR LAVAGES DELICATS ET PROCEDES DE FABRICATION ET D'UTILISATION ASSOCIES**
[72] MURPHY, CYNTHIA MCCULLAR, US
[72] SZEWCZYK, GREGORY, US
[72] SURIANO, DAVID FRANK, US
[72] BURKE, JULIE, US
[73] COLGATE-PALMOLIVE COMPANY, US
[85] 2010-07-19
[86] 2009-06-17 (PCT/US2009/047604)
[87] (WO2009/155314)
[30] US (12/140,806) 2008-06-17

[11] **2,723,041**
[13] C

[51] **Int.Cl. A61B 18/14 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **PRE-FORMED CURVED ABLATION CATHETER**
[54] **CATHETER D'ABLATION COURBE ET PRE-FORME**
[72] GOVARI, ASSAF, IL
[73] BIOSENSE WEBSTER (ISRAEL), LTD., IL
[86] (2723041)
[87] (2723041)
[22] 2010-11-30
[30] US (12/636,064) 2009-12-11

[11] **2,723,407**
[13] C

[51] **Int.Cl. G06F 1/20 (2006.01)**
[25] EN
[54] **ARRANGEMENT FOR OPERATING A DATA CENTER USING BUILDING AUTOMATION SYSTEM INTERFACE**
[54] **AGENCEMENT POUR EXPLOITER UN CENTRE DE DONNEES A L'AIDE D'UNE INTERFACE DE SYSTEME D'AUTOMATISME DE BATIMENT**
[72] PIENTA, WILLIAM THOMAS, US
[72] SONGKAKUL, PORNSAK, US
[73] SIEMENS INDUSTRY, INC., US
[85] 2010-11-03
[86] 2009-05-05 (PCT/US2009/002764)
[87] (WO2009/137028)
[30] US (61/050,429) 2008-05-05

[11] **2,723,442**
[13] C

[51] **Int.Cl. G06F 1/20 (2006.01)**
[25] EN
[54] **ARRANGEMENT FOR MANAGING DATA CENTER OPERATIONS TO INCREASE COOLING EFFICIENCY**
[54] **AGENCEMENT DE GESTION D'OPERATIONS DE CENTRE DE DONNEES DESTINE A AMELIORER L'EFFICACITE DE REFROIDISSEMENT**
[72] PIENTA, WILLIAM THOMAS, US
[72] SONGKAKUL, PORNSAK, US
[73] SIEMENS INDUSTRY, INC., US
[85] 2010-11-03
[86] 2009-05-05 (PCT/US2009/002762)
[87] (WO2009/137026)
[30] US (61/050,429) 2008-05-05
[30] US (61/050,425) 2008-05-05
[30] US (61/050,420) 2008-05-05
[30] US (12/435,401) 2009-05-04

[11] **2,723,496**
[13] C

[51] **Int.Cl. F24H 9/18 (2006.01)**
[25] EN
[54] **IMPROVED PROPANE OR DIESEL POWERED HEATER WITH COMMON BURNER OPENING**
[54] **APPAREIL DE CHAUFFAGE PERFECTIONNE AU PROPANE OU AU DIESEL A OUVERTURE DE CHAUDIERE COMMUNE**
[72] OHNO, LES M., CA
[72] KIAROSTAMI, NADER, CA
[72] RUIJVEN, EDWARD VAN, CA
[73] INTERNATIONAL THERMAL INVESTMENTS LTD., CA
[86] (2723496)
[87] (2723496)
[22] 2010-12-01
[30] US (61/265,715) 2009-12-01

[11] **2,734,235**
[13] C

[51] **Int.Cl. C12N 9/22 (2006.01) C07K 19/00 (2006.01) C12N 15/09 (2006.01) C12N 15/62 (2006.01) C12N 15/90 (2006.01) C12P 19/34 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TARGETED SINGLE-STRANDED CLEAVAGE AND TARGETED INTEGRATION**
[54] **PROCEDES ET COMPOSITIONS POUR UN CLIVAGE SIMPLE BRIN CIBLE ET UNE INTEGRATION CIBLEE**
[72] WANG, JIANBIN, US
[73] SANGAMO THERAPEUTICS, INC., US
[85] 2011-02-15
[86] 2009-08-18 (PCT/US2009/004703)
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[30] US (61/189,800) 2008-08-22

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26 mars 2019**

[11] **2,735,519**
[13] C

[51] **Int.Cl. A61K 8/04 (2006.01) A61Q 11/00 (2006.01) A61K 8/25 (2006.01) A61K 8/72 (2006.01)**

[25] EN
[54] **ORAL CARE COMPOSITION**
[54] **COMPOSITION POUR SOINS BUCCAUX**

[72] NARASIMHAN, SAROJA, US
[72] WILLIAMS, DEXTER M., US
[72] VIERLING, LAUREN, US
[72] ENGELMAN, E. ERIC, US
[72] LIBRIZZI, JOSEPH J., US
[73] MCNEIL-PPC, INC., US
[86] (2735519)
[87] (2735519)
[22] 2011-03-30
[30] US (12/751,046) 2010-03-31

[11] **2,736,843**
[13] C

[51] **Int.Cl. F25D 25/04 (2006.01) B65G 47/22 (2006.01) B65G 49/00 (2006.01) B65G 51/02 (2006.01) B65G 53/38 (2006.01) F25D 13/06 (2006.01) F26B 17/02 (2006.01)**

[25] EN
[54] **APPARATUS AND METHOD FOR FLUIDIZED BED TREATMENT OF MATERIALS**
[54] **APPAREIL ET METHODE POUR LE TRAITEMENT DE MATIERES SUR LIT FLUIDISE**

[72] CHANG, KIN HUNG JEFFREY, CA
[72] LAI, JUSTIN SUM MING, CA
[73] FPS FOOD PROCESS SOLUTIONS CORPORATION, CA
[86] (2736843)
[87] (2736843)
[22] 2011-04-12

[11] **2,737,874**
[13] C

[51] **Int.Cl. A63B 71/14 (2006.01) A41D 13/015 (2006.01) A41D 13/08 (2006.01) A41D 19/015 (2006.01)**

[25] EN
[54] **PROTECTIVE ATHLETIC GLOVE**
[54] **GANT PROTECTEUR POUR LE SPORT**

[72] KROCHAK, JENNIFER L., CA
[72] KROCHAK, DARRYL D., CA
[73] KROCHAK, JENNIFER L., CA
[73] KROCHAK, DARRYL D., CA
[86] (2737874)
[87] (2737874)
[22] 2011-04-19

[11] **2,738,810**
[13] C

[51] **Int.Cl. G06Q 10/08 (2012.01)**

[25] EN
[54] **SYSTEMS AND METHODS FOR RECEIVING SHIPMENT PARCELS**
[54] **SYSTEMES ET PROCEDES DE RECEPTION DE PAQUETS EXPEDIES**

[72] MISHRA, DEVESH, US
[72] LIU, ZONGYI, US
[72] SHAH, SAMEER VINOD, US
[72] YOUNG, ERIC C., US
[72] TIEN, TIMOTHY JESSE, US
[72] ZHAO, JUN, US
[73] AMAZON TECHNOLOGIES, INC., US
[85] 2011-03-28
[86] 2009-09-29 (PCT/US2009/058771)
[87] (WO2010/039702)
[30] US (12/241,475) 2008-09-30
[30] US (12/329,927) 2008-12-08

[11] **2,743,386**
[13] C

[51] **Int.Cl. B67D 7/86 (2010.01) B67D 7/42 (2010.01) A47J 43/27 (2006.01) B67D 1/08 (2006.01)**

[25] EN
[54] **ILLUMINATED BEVERAGE DISPENSING DEVICES**
[54] **DISPOSITIFS DE DISTRIBUTION DE BOISSONS ILLUMINES**

[72] MARTINDALE, RICHARD A., US
[72] HECHT, THOMAS R., US
[73] AUTOMATIC BAR CONTROLS, INC., US
[86] (2743386)
[87] (2743386)
[22] 2011-06-15
[30] US (12/824,046) 2010-06-25

[11] **2,745,236**
[13] C

[51] **Int.Cl. G01N 27/49 (2006.01) G01N 27/413 (2006.01)**

[25] EN
[54] **ELECTROCHEMICAL GAS SENSORS WITH IONIC LIQUID ELECTROLYTE SYSTEMS**
[54] **CAPTEURS DE GAZ ELECTROCHIMIQUES A SYSTEMES D'ELECTROLYTE LIQUIDE IONIQUE**

[72] ECKHARDT, ROLF, DE
[72] WEBER, MARTIN, DE
[72] KELLER, KATHRIN, DE
[72] TOELLE, KATHRIN, DE
[72] WARRATZ, RALF, DE
[73] MSA EUROPE GMBH, CH
[85] 2011-05-31
[86] 2009-11-25 (PCT/EP2009/065806)
[87] (WO2010/063624)
[30] DE (102008044239.9) 2008-12-01
[30] DE (102008044238.0) 2008-12-01

[11] **2,747,474**
[13] C

[51] **Int.Cl. F04D 25/08 (2006.01) F04D 29/34 (2006.01)**

[25] EN
[54] **FAN ASSEMBLIES AND METHODS FOR ASSEMBLING SAME**
[54] **ENSEMBLES VENTILATEUR ET METHODES DE MONTAGE CONNEXES**

[72] LAGMAN, CURTIS NOLAN, US
[72] MCGREGOR, JEAN TUCK, US
[72] BROUGHMAN, JAMES MICHAEL, US
[72] DAWSON, JOHN CALEB, US
[72] SASSO, DOMINIC LOUIS, US
[73] LOWE'S COMPANIES, INC., US
[86] (2747474)
[87] (2747474)
[22] 2011-07-28
[30] US (61/372,024) 2010-08-09

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[13] C
[51] **Int.Cl. C07K 16/40 (2006.01) C12P 19/34 (2006.01) C12N 9/12 (2006.01)**
[25] EN
[54] **EXONUCLEASE DEFICIENT HYBRID POLYMERASE AND USES THEREOF IN AMPLIFICATION REACTIONS**
[54] **POLYMERASE HYBRIDE A ACTIVITE EXONUCLEASE DEFICIENTE ET SES UTILISATIONS DANS LES REACTIONS D'AMPLIFICATION**
[72] GONG, XIAO-SONG, US
[72] SULLIVAN, JOHN, US
[72] FU, RONGDIAN, US
[72] WANG, YAN, US
[72] BURSEY, EVAN H., US
[72] CHENG, MAN, US
[73] BIO-RAD LABORATORIES, INC., US
[85] 2011-07-06
[86] 2010-01-07 (PCT/US2010/020371)
[87] (WO2010/080910)
[30] US (61/143,350) 2009-01-08

[11] **2,750,279**
[13] C
[51] **Int.Cl. G06F 9/46 (2006.01)**
[25] EN
[54] **MANAGING TASK EXECUTION**
[54] **GESTION D'EXECUTION DE TACHES**
[72] BUXBAUM, MARK, US
[72] WAKELING, TIM, US
[72] STAKNIS, MARK, US
[73] AB INITIO TECHNOLOGY LLC, US
[85] 2011-07-19
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[54] **COMMANDE DE MOTEUR DE VENTILATEUR UTILISE DANS UN SYSTEME DE CLIMATISATION D'AIR**
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[73] LENNOX INDUSTRIES INC., US
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[54] **LIFT-OFF DEPOSITION SYSTEM FEATURING A DENSITY OPTIMIZED HULA SUBSTRATE HOLDER IN A CONICAL DEPOSITION CHAMBER**
[54] **SYSTEME DE DEPOT A DECOLLEMENT CARACTERISE PAR UN PORTE-SUBSTRAT HULA A DENSITE OPTIMISEE DANS UNE CHAMBRE DE DEPOT CONIQUE**
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[72] WALLACE, GREGG, US
[73] FERROTEC (USA) CORPORATION, US
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[54] **ANTICORPS TRIVALENTS BISPECIFIQUES**
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[72] HOFFMANN, EIKE, DE
[72] KLEIN, CHRISTIAN, CH
[72] MOESSNER, EKKEHARD, CH
[72] SCHANZER, JUERGEN MICHAEL, DE
[72] UMANA, PABLO, CH
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[54] **APPAREIL POUR SERRER OU DESSERRER DES ELEMENTS DE FIXATION**
[72] JUNKERS, JOHN K., US
[72] KOPPENHOEFER, PETER, US
[72] BONAS, CALVIN A., US
[73] HYTORC DIV. UNEX CORPORATION, US
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[54] **SYNTHESE DE RESINES DE SEQUESTRATION POUR LE TRAITEMENT DE L'EAU DANS DES REACTEURS A EAU LEGERE**

[72] YENGOYAN, LEON, US
[72] FRATTINI, PAUL L., US
[72] WELLS, DANIEL MORGAN, US
[73] ELECTRIC POWER RESEARCH INSTITUTE, INC., US
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[54] **ADENOVIRUS ONCOLYTIQUES POUR LE TRAITEMENT DU CANCER**

[72] GUEDAN CARRIO, SONIA, ES
[72] CASCALLO PIQUERAS, MANEL MARIA, ES
[72] ALEMANY BONASTRE, RAMON, ES
[73] INSTITUT CATALA D'ONCOLOGIA, ES
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[54] **CONNECTEUR RADIO-TRANSPARENT SIMPLE POUR TRAJET DE REFERENCE MULTIFONCTIONS**

[72] SCHULTZ, JEFFREY W., US
[72] DATTA, KESHAVA, US
[73] BIOSENSE WEBSTER, INC., US
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[54] **SYSTEME ET PROCEDE POUR LE DEPOT D'UNE SUBSTANCE DANS UN SUBSTRAT**

[72] SHUCK, QUINLAN YEE, US
[73] ROLLS-ROYCE CORPORATION, US
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[54] **DECONTAMINATION D'UN ESPACE FERME A L'AIDE DE DIOXYDE DE CHLORE GAZEUX**

[72] MASON, JOHN, US
[72] WILLIAMS, PETER, GB
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[73] SABRE INTELLECTUAL PROPERTY HOLDINGS LLC, US
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[72] PENHALE, DOUGLAS, CA
[73] TROJAN TECHNOLOGIES, CA
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[54] **ANALYSE ET DOSAGE D'HEMOGLOBINES GLYQUEES PAR ELECTROPHORESE CAPILLAIRE, COMPOSITIONS TAMPON ET KITS POUR ELECTROPHORESE CAPILLAIRE**

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[54] **SYSTEM AND METHOD FOR MITIGATING AN ELECTRIC UNBALANCE OF A THREE-PHASE CURRENT AT A POINT OF COMMON COUPLING BETWEEN A WIND FARM AND A POWER GRID**

[54] **METHODE ET SYSTEME D'ATTENUATION DU DESEQUILIBRAGE ELECTRONIQUE D'UN COURANT TRIPHASE A UN POINT D'ACCOUPEMENT COMMUN ENTRE UN PARC EOLIEN ET UN RESEAU ELECTRIQUE**

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[73] SIEMENS AKTIENGESELLSCHAFT, DE
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[54] **SYSTEME DE REGROUPEMENT AVEC ALIMENTATION**

[72] FOLLOWS, CHRIS, CA
[72] CROSBY, KEVIN, CA
[73] FOLLOWS, CHRIS, CA
[73] CROSBY, KEVIN, CA
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[54] **MELANGE SYNERGETIQUE D'EXTRAIT DE PLANT DE REYNOUTRIA SACHALINENSIS RENFERMANT DU PHYSCION ET DE L'AZOXYSTROBIN CONTRE LE CHAMPIGNON CHEZ LES PLANTES**

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[54] **PROCEDE POUR LA PRODUCTION DE GALACTO-OLIGOSACCHARIDES ULTRAPURS**

[72] GIACOMELLI, SILVIA, IT
[72] MANONI, MARCO, IT
[72] CIPOLLETTI, GIOVANNI, IT
[72] BIAGIOLINI, SILVIA, IT
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[72] TAN, ANDRE YI FENG, AU
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[72] DIJKGRAAF, GERRIT J.P., US
[72] JANUARIO, THOMAS, US
[72] YAUCH, ROBERT L., US
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[72] PALLE, STEEN, DK
[73] VILACTO BIOIP, LLC, US
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[54] **MOLECULES D'ANTICORPS
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[72] NAM, SAMUEL S., US
[72] GREENFIELD, EDWARD A., US
[72] BABCOOK, JOHN, CA
[72] O'KEEFE, THERESA, US
[72] QIN, SHIXIN, US
[73] MILLENNIUM
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[73] AMGEN BRITISH COLUMBIA, CA
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[54] **SYSTEMES DE PORTE ET
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[72] HEMPING, KELLY, US
[72] BALDWIN, JESSE, US
[72] GEARHART, KOREY, US
[73] ANDERSEN CORPORATION, US
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THEIR PREPARATION AND USE
IN DERMATOLOGY**
[54] **ESTERS D'ACIDE
HYALURONIQUE, LEUR
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DERMATOLOGIE**
[72] ROVATI, LUCIO CLAUDIO, IT
[73] ROTTAPHARM S.P.A., IT
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[54] **MEASUREMENT DEVICE FOR
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[54] **DISPOSITIF DE MESURE DE
BRAS TELESCOPIQUE DE
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[72] ROBERT, RENE-LUC, FR
[72] CAGET, OLIVIER, FR
[73] MANITOU BF, FR
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[54] **MATIERES COMPOSITES POLYMERES ET PROCEDES DE FABRICATION**
[72] MAHESHWARI, MAHENDRA, US
[72] FANG, XIAOMEI, US
[73] MRA SYSTEMS, LLC, US
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[72] PURKAYASTHA, SIDDHARTHA, US
[72] MARKOSYAN, AVETIK, MY
[73] PURECIRCLE USA INC., US
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[30] US (61/260,465) 2009-11-12
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[30] US (12/753,470) 2010-04-02

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[54] **ALLOY, OVERLAY, AND METHODS THEREOF**
[54] **ALLIAGE, REVETEMENT ET PROCEDES CORRESPONDANTS**
[72] LAI, GEORGE Y., US
[72] LI, BINGTAO, US
[73] AZZ WSI LLC, US
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[54] **ELEMENT DE FERMETURE AVEC D'USTENSILES**
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[73] WEATHERCHEM CORPORATION, US
[86] (2782109)
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[73] PATZ CORPORATION, US
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[54] **METHOD OF TREATMENT OF CNS DISORDERS**
[54] **PROCEDE DE TRAITEMENT DE TROUBLES DU SYSTEME NERVEUX CENTRAL**
[72] BREDER, CHRISTOPHER D., US
[73] SUPERNUS PHARMACEUTICALS, INC., US
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[11] **2,782,373**
[13] C

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61K 48/00 (2006.01) A61P 17/00 (2006.01)**

[25] EN

[54] **TREATMENT OF HEPATOCYTE GROWTH FACTOR (HGF) RELATED DISEASES BY INHIBITION OF NATURAL ANTISENSE TRANSCRIPT TO HGF**

[54] **TRAITEMENT DE MALADIES ASSOCIEES AU FACTEUR DE CROISSANCE DES HEPATOCYTES (HGF) PAR INHIBITION DE LA TRANSCRIPTION ANTISENS NATURELLE EN HGF**

[72] COLLARD, JOSEPH, US

[72] KHORKOVA SHERMAN, OLGA, US

[73] CURNA, INC., US

[85] 2012-05-29

[86] 2010-12-23 (PCT/US2010/061996)

[87] (WO2011/079261)

[30] US (61/289,647) 2009-12-23

[11] **2,783,121**
[13] C

[51] **Int.Cl. A61K 8/04 (2006.01) A61K 8/06 (2006.01) A61K 8/81 (2006.01) A61Q 19/00 (2006.01)**

[25] EN

[54] **EMULSIFIER-FREE, POLYMER-STABILIZED FOAM FORMULATIONS**

[54] **FORMULATIONS DE MOUSSE STABILISEE PAR POLYMERE SANS EMULSIFIANT**

[72] DANIELS, ROLF, DE

[73] NEUBOURG SKIN CARE GMBH & CO. KG, DE

[85] 2012-06-05

[86] 2010-12-10 (PCT/EP2010/007542)

[87] (WO2011/069674)

[30] EP (09015330.5) 2009-12-10

[30] US (61/285,252) 2009-12-10

[11] **2,783,272**
[13] C

[51] **Int.Cl. G07F 17/32 (2006.01)**

[25] EN

[54] **GAMING SYSTEM AND METHOD PROVIDING MULTI-DIMENSIONAL SYMBOL WAGERING GAME**

[54] **SYSTEME DE JEU, DISPOSITIF DE JEU ET METHODE DE FABRICATION D'UN JEU DE HASARD AVEC SYMBOLES MULTIDIMENSIONNELS**

[72] SAUNDERS, BRIAN F., US

[73] IGT, US

[86] (2783272)

[87] (2783272)

[22] 2012-07-16

[30] US (13/187,653) 2011-07-21

[30] US (13/187,661) 2011-07-21

[30] US (13/187,664) 2011-07-21

[11] **2,783,435**
[13] C

[51] **Int.Cl. F24C 15/00 (2006.01) A47L 15/42 (2006.01) D06F 37/00 (2006.01) D06F 39/00 (2006.01) D06F 58/20 (2006.01) F25D 23/00 (2006.01) G09F 3/00 (2006.01) G09F 3/02 (2006.01)**

[25] EN

[54] **HOME APPLIANCE HAVING A HIDEAWAY LABEL PLATE**

[54] **APPAREIL ELECTROMENAGER POURVU D'UNE PLAQUE D'IDENTIFICATION ESCAMOTABLE**

[72] BRINGE, WILLIAM, US

[72] HANNA, CHARLIE, US

[72] RUTHERFORD, MICHAEL, US

[73] BSH HOME APPLIANCES CORPORATION, US

[86] (2783435)

[87] (2783435)

[22] 2012-07-20

[30] US (13/475,096) 2012-05-18

[11] **2,784,669**
[13] C

[51] **Int.Cl. H05B 6/08 (2006.01) H05B 6/44 (2006.01)**

[25] EN

[54] **METHOD OF CROSSTALK REDUCTION FOR MULTI-ZONE INDUCTION HEATING SYSTEMS**

[54] **PROCEDE DE REDUCTION DE DIAPHONIE POUR SYSTEMES DE CHAUFFAGE PAR INDUCTION MULTIZONE**

[72] DOHMEIER, NICHOLAS, US

[72] MCCORMICK, KEITH, US

[73] HONEYWELL ASCA INC., CA

[85] 2012-06-14

[86] 2010-12-16 (PCT/CA2010/002017)

[87] (WO2011/072395)

[30] US (61/286,798) 2009-12-16

[30] US (12/964,963) 2010-12-10

[11] **2,785,909**
[13] C

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

[25] FR

[54] **AGONISTS OF TLR4 AND 9 RECEPTORS FOR PREVENTING SEPTIC COMPLICATIONS OF POST-TRAUMATIC IMMUNE DEPRESSION IN PATIENTS HOSPITALIZED FOR SEVERE TRAUMA**

[54] **AGONISTES DES RECEPTEURS TLR 4 ET 9 POUR PREVENIR LES COMPLICATIONS SEPTIQUES DE L'IMMUNODEPRESSION POST-TRAUMATIQUE CHEZ LES PATIENTS HOSPITALISES POUR TRAUMATISMES SEVERES**

[72] ASEHNOUNE, KARIM, FR

[72] ROQUILLY, ANTOINE, FR

[73] CHU NANTES, FR

[73] UNIVERSITE DE NANTES, FR

[85] 2012-06-27

[86] 2010-12-17 (PCT/EP2010/070111)

[87] (WO2011/080126)

[30] FR (09/06372) 2009-12-28

**Canadian Patents Issued
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[11] **2,785,974**
[13] C

[51] **Int.Cl. F01D 5/18 (2006.01) B23H 9/10 (2006.01) B29C 70/00 (2006.01) F01D 5/28 (2006.01)**

[25] EN

[54] **COMPOSITE GAS TURBINE ENGINE COMPONENT**

[54] **COMPOSANT DE MOTEUR A TURBINE A GAZ COMPOSITE**

[72] CHAMBERLAIN, ADAM LEE, US

[72] FREEMAN, TED JOSEPH, US

[73] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US

[85] 2012-06-28

[86] 2010-12-29 (PCT/US2010/062371)

[87] (WO2011/082239)

[30] US (61/290,698) 2009-12-29

[30] US (12/847,608) 2010-07-30

[11] **2,786,535**
[13] C

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61K 48/00 (2006.01) C12N 15/63 (2006.01)**

[25] EN

[54] **TREATMENT OF SEX HORMONE BINDING GLOBULIN (SHBG) RELATED DISEASES BY INHIBITION OF NATURAL ANTISENSE TRANSCRIPT TO SHBG**

[54] **TRAITEMENT DES MALADIES ASSOCIEES A LA GLOBULINE SE LIANT AUX HORMONES SEXUELLES (SHBG) PAR INHIBITION DU PRODUIT DE TRANSCRIPTION ANTI-SENS NATUREL EN SHBG**

[72] COLLARD, JOSEPH, US

[72] KHORKOVA SHERMAN, OLGA, US

[73] CURNA, INC., US

[85] 2012-07-05

[86] 2011-01-11 (PCT/US2011/020768)

[87] (WO2011/085347)

[30] US (61/293,739) 2010-01-11

[11] **2,787,171**
[13] C

[51] **Int.Cl. G08C 25/00 (2006.01) G01M 17/00 (2006.01) G08G 5/00 (2006.01)**

[25] EN

[54] **AIRCRAFT EMULATION SYSTEM**

[54] **SYSTEME D'EMULATION D'UN AERONEF**

[72] MIER, DAVID SAM, US

[72] BUTENKO, RICHARD BRUCE, US

[72] KRZYZEWSKI, KENNETH CASIMIR, US

[72] MITCHELL, TIMOTHY M., US

[72] MASON, CORY C., US

[73] THE BOEING COMPANY, US

[86] (2787171)

[87] (2787171)

[22] 2012-08-17

[30] US (13/267,527) 2011-10-06

[11] **2,787,625**
[13] C

[51] **Int.Cl. C09D 5/00 (2006.01)**

[25] EN

[54] **A COLOURED SOLAR REFLECTIVE SYSTEM**

[54] **UN SYSTEME DE REFLECTEUR SOLAIRE COLORE**

[72] EDWARDS, JOHN L., GB

[72] LOWRY, KARL, GB

[72] PARNHAM, EMILY RUTH, GB

[72] REID, SEAN, GB

[72] ROBB, JOHN, GB

[72] TONKIN, REBECCA LOUISE, GB

[73] TIOXIDE EUROPE LIMITED, GB

[85] 2012-07-19

[86] 2011-02-11 (PCT/GB2011/050267)

[87] (WO2011/101657)

[30] GB (1002700.1) 2010-02-17

[11] **2,787,739**
[13] C

[51] **Int.Cl. G04F 1/00 (2006.01)**

[25] EN

[54] **ELAPSED TIME INDICATOR**

[54] **INDICATEUR DE TEMPS ECOULE**

[72] HIGGINS, PETER, GB

[73] UWI TECHNOLOGY LTD, GB

[85] 2012-07-20

[86] 2011-01-26 (PCT/GB2011/000097)

[87] (WO2011/092461)

[30] GB (1001235.9) 2010-01-26

[11] **2,788,545**
[13] C

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07K 16/30 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION FOR TREATING AND/OR PREVENTING CANCER**

[54] **COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT ET/OU LA PREVENTION DU CANCER**

[72] SAITO, TAKANORI, JP

[72] OKANO, FUMIYOSHI, JP

[72] KOBAYASHI, SHINICHI, JP

[73] TORAY INDUSTRIES, INC., JP

[85] 2012-07-30

[86] 2011-02-04 (PCT/JP2011/052382)

[87] (WO2011/096517)

[30] JP (2010-023450) 2010-02-04

[11] **2,788,609**
[13] C

[51] **Int.Cl. A47F 1/03 (2006.01) A47F 1/08 (2006.01) A47J 47/01 (2006.01) A47J 47/04 (2006.01)**

[25] EN

[54] **GRANULAR FOOD DISPENSER INSTALLED UNDER A CUPBOARD**

[54] **DISTRIBUTEUR D'ALIMENTS GRANULAIRES INSTALLE SOUS UNE ARMOIRE**

[72] GOULET, DANY, CA

[73] GOULET, DANY, CA

[86] (2788609)

[87] (2788609)

[22] 2012-08-31

[30] GB (1114937.4) 2011-08-31

**Brevets canadiens délivrés
26 mars 2019**

[11] **2,788,790**
[13] C

[51] **Int.Cl. H01H 3/46 (2006.01) F16K 33/00 (2006.01) H01H 3/30 (2006.01) H01H 33/40 (2006.01)**

[25] EN

[54] **ELECTRICAL SWITCHING APPARATUS, AND STORED ENERGY ASSEMBLY AND ENERGY STORAGE AND RELEASE CONTROL MECHANISM THEREFOR**

[54] **DISPOSITIF D'INTERRUPTION ELECTRIQUE ET ENSEMBLE DE STOCKAGE D'ENERGIE ET SON MECANISME DE CONTROLE DE STOCKAGE ET DE LIBERATION D'ENERGIE**

[72] ROBRIDS, TIMOTHY GORDON, US
[72] PEARCHE, MICHEAL DAVIS, US
[72] HERBST, MICHAEL LEE, US
[73] EATON INTELLIGENT POWER LIMITED, IE

[86] (2788790)
[87] (2788790)
[22] 2012-09-06
[30] US (13/227,561) 2011-09-08

[11] **2,788,948**
[13] C

[51] **Int.Cl. B29C 70/68 (2006.01) B64F 5/10 (2017.01) B29C 65/00 (2006.01) B29C 70/44 (2006.01) B64C 1/00 (2006.01) B64C 1/14 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR FABRICATING A COMPOSITE MATERIAL ASSEMBLY**

[54] **SYSTEME ET PROCEDE POUR LA FABRICATION D'UN ENSEMBLE EN MATERIAUX COMPOSITES**

[72] LANDRY, ALAIN, CA
[72] BELANGER, GERMAIN, CA
[73] LEARJET INC., US
[85] 2012-08-02
[86] 2010-07-13 (PCT/IB2010/001724)
[87] (WO2011/095834)
[30] US (61/301,754) 2010-02-05

[11] **2,789,697**
[13] C

[51] **Int.Cl. A61M 1/00 (2006.01) A61F 13/00 (2006.01)**

[25] EN

[54] **ADJUSTABLE REDUCED-PRESSURE WOUND COVERINGS**

[54] **PANSEMENTS DE BLESSURE A PRESSION REDUITE AJUSTABLES**

[72] LOCKE, CHRISTOPHER BRIAN, GB
[72] ROBINSON, TIMOTHY MARK, GB
[72] COULTHARD, RICHARD DANIEL JOHN, GB

[73] KCI LICENSING, INC., US

[85] 2012-08-13
[86] 2011-03-10 (PCT/US2011/027992)
[87] (WO2011/112870)
[30] US (61/313,225) 2010-03-12
[30] US (13/044,381) 2011-03-09

[11] **2,790,243**
[13] C

[51] **Int.Cl. A61C 13/00 (2006.01)**

[25] EN

[54] **DYNAMIC VIRTUAL ARTICULATOR**

[54] **ARTICULATEUR VIRTUEL DYNAMIQUE**

[72] KRISTENSEN, KASPER KABELL, DK
[72] FISKER, RUNE, DK
[72] BARTHE, CHRISTOPHE VASILJEV, DK
[72] POULSEN, TOMMY SANDDAL, DK

[73] 3SHAPE A/S, DK

[85] 2012-08-17
[86] 2011-02-17 (PCT/DK2011/050047)
[87] (WO2011/103876)
[30] US (61/307,934) 2010-02-25
[30] DK (PA 2010 00156) 2010-02-25
[30] US (61/334,681) 2010-05-14
[30] DK (PA 2010 00425) 2010-05-14
[30] US (61/383,840) 2010-09-17
[30] DK (PA 2010 00835) 2010-09-17

[11] **2,790,363**
[13] C

[51] **Int.Cl. B60R 19/02 (2006.01) B60R 19/24 (2006.01)**

[25] EN

[54] **VEHICLE BUMPERS HAVING OVAL CROSS-SECTION MEMBERS**

[54] **PARE-CHOCS DE VEHICULE POURVUS D'ELEMENTS A SECTION TRANSVERSALE OVALES**

[72] FISHER, RICHARD ALAN, US
[72] SETINA, TERRY L., US
[73] J.R. SETINA MANUFACTURING CO., INC., US

[86] (2790363)
[87] (2790363)
[22] 2012-09-19
[30] US (13/482917) 2012-05-29

[11] **2,791,064**
[13] C

[51] **Int.Cl. E02F 3/84 (2006.01)**

[25] EN

[54] **AN APPARATUS AND A METHOD FOR HEIGHT CONTROL FOR A DOZER BLADE**

[54] **APPAREIL ET PROCEDE DE COMMANDE DE HAUTEUR POUR LAME DE BULLDOZER**

[72] JØERGENSEN, CLAUS, DK
[72] KJAEGAARD, LARS, DK
[73] LEICA GEOSYSTEMS TECHNOLOGY A/S, DK

[85] 2012-08-24
[86] 2011-03-05 (PCT/DK2011/000014)
[87] (WO2011/107096)
[30] DK (PA 2010 00174) 2010-03-05

[11] **2,791,494**
[13] C

[51] **Int.Cl. A61B 18/04 (2006.01) A61B 18/00 (2006.01) A61F 7/12 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR PROSTATE TREATMENT**

[54] **SYSTEMES ET PROCEDES DE TRAITEMENT DE LA PROSTATE**

[72] HOEY, MICHAEL, US
[72] SCHROM, MARK, US
[72] PAULOS, STEPHANOS, US
[72] BEYREIS, RANDALL, US
[73] NXTHERA, INC., US

[85] 2012-08-24
[86] 2011-03-25 (PCT/US2011/029993)
[87] (WO2011/119957)
[30] US (61/317,358) 2010-03-25

**Canadian Patents Issued
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[11] **2,791,787**
[13] C

[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/175 (2006.01) A61K 39/205 (2006.01) A61K 39/23 (2006.01) C07K 14/015 (2006.01) C07K 14/12 (2006.01) C07K 14/13 (2006.01) C07K 14/145 (2006.01) C07K 14/165 (2006.01) C12N 7/00 (2006.01) C12N 7/04 (2006.01) C12N 15/86 (2006.01)**

[25] EN

[54] **RECOMBINANT CDV COMPOSITIONS AND USES THEREOF**

[54] **COMPOSITIONS DE CDV RECOMBINANT ET LEURS UTILISATIONS**

[72] AUDONNET, JEAN-CHRISTOPHE, FR

[72] MINKE, JULES, FR

[73] MERIAL, INC., US

[85] 2012-08-24

[86] 2011-02-25 (PCT/US2011/026378)

[87] (WO2011/106743)

[30] US (61/308,620) 2010-02-26

[11] **2,792,103**
[13] C

[51] **Int.Cl. H02H 3/20 (2006.01) H01H 71/12 (2006.01)**

[25] EN

[54] **ELECTRICAL SWITCHING APPARATUS WITH OVERVOLTAGE PROTECTION**

[54] **APPAREIL DE COMMUTATION ELECTRIQUE AVEC PROTECTION CONTRE LA SURTENSION**

[72] NATILI, THOMAS E., US

[72] STIFFLER, DAVID W., US

[72] MATTOCKS, JOSHUA P., US

[73] EATON INTELLIGENT POWER LIMITED, IE

[86] (2792103)

[87] (2792103)

[22] 2012-10-11

[30] US (13/307,171) 2011-11-30

[11] **2,792,301**
[13] C

[51] **Int.Cl. C11B 3/10 (2006.01) A23D 9/06 (2006.01)**

[25] EN

[54] **METHOD OF TREATING AN EDIBLE OIL**

[54] **METHODE DE TRAITEMENT D'UNE HUILE COMESTIBLE**

[72] BOUWER, SIETZE, NL

[72] VAN DER WAAL, PATRICK, NL

[73] STEPAN SPECIALTY PRODUCTS, LLC, US

[85] 2012-09-06

[86] 2011-03-07 (PCT/EP2011/053365)

[87] (WO2011/110516)

[30] EP (10250435.4) 2010-03-09

[11] **2,794,591**
[13] C

[51] **Int.Cl. E02F 3/43 (2006.01) G01S 1/80 (2006.01)**

[25] EN

[54] **POSITIONING APPARATUS FOR EXCAVATING AND SIMILAR EQUIPMENT**

[54] **APPAREIL DE POSITIONNEMENT POUR EQUIPEMENT D'EXCAVATION ET ANALOGUE**

[72] LINDSKOV, ANDERS, DK

[73] LEICA GEOSYSTEMS TECHNOLOGY A/S, DK

[85] 2012-09-26

[86] 2011-04-18 (PCT/DK2011/000034)

[87] (WO2011/131196)

[30] DK (PA 2010 00317) 2010-04-18

[11] **2,794,727**
[13] C

[51] **Int.Cl. B64C 3/50 (2006.01) B64C 9/24 (2006.01)**

[25] EN

[54] **LOW NOISE WING SLAT SYSTEM WITH DEPLOYABLE WING LEADING EDGE ELEMENTS**

[54] **SYSTEME DE BEC DE BORD D'ATTAQUE A FAIBLE BRUIT DOTE D'ELEMENTS DE BORD D'ATTAQUE DE VOILURE DEPLOYABLE**

[72] SHMILOVICH, ARVIN, US

[72] YADLIN, YORAM, US

[73] THE BOEING COMPANY, US

[85] 2012-09-27

[86] 2011-02-28 (PCT/US2011/026479)

[87] (WO2011/123204)

[30] US (12/751,419) 2010-03-31

[11] **2,796,294**
[13] C

[51] **Int.Cl. C12Q 1/70 (2006.01)**

[25] EN

[54] **DIAGNOSIS OF VIRAL INFECTIONS BY DETECTION OF GENOMIC AND INFECTIOUS VIRAL DNA BY MOLECULAR COMBING**

[54] **DIAGNOSTIC D'INFECTIONS VIRALES PAR DETECTION D'ADN VIRAL GENOMIQUE ET INFECTIEUX PAR PEIGNAGE MOLECULAIRE**

[72] MAHIET, CHARLOTTE, FR

[72] SALVAIRE, FABRICE, FR

[72] CONSEILLER, EMMANUEL, FR

[72] BARRADEAU, SEBASTIEN, FR

[73] GENOMIC VISION, FR

[85] 2012-10-11

[86] 2011-04-19 (PCT/IB2011/001048)

[87] (WO2011/132078)

[30] US (61/327,397) 2010-04-23

[11] **2,796,601**
[13] C

[51] **Int.Cl. C07K 14/47 (2006.01) A61K 38/17 (2006.01) A61P 35/00 (2006.01) C07K 19/00 (2006.01) C12N 15/12 (2006.01) C12N 15/85 (2006.01) C12N 15/86 (2006.01)**

[25] EN

[54] **RTEF-1 VARIANTS AND USES THEREOF**

[54] **VARIANTS DE RTEF-1 ET UTILISATIONS DE CEUX-CI**

[72] STOUT, TIMOTHY J., US

[72] APPUKUTTAN, BINOY, US

[72] MCFARLAND, TREVOR, US

[72] DYE, ANNA, US

[73] RESEARCH DEVELOPMENT FOUNDATION, US

[73] OREGON HEALTH & SCIENCE UNIVERSITY, US

[85] 2012-10-16

[86] 2011-04-19 (PCT/US2011/032994)

[87] (WO2011/133512)

[30] US (61/325,675) 2010-04-19

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[11] **2,797,098**
[13] C

[51] **Int.Cl. A61K 31/05 (2006.01) A61K 9/10 (2006.01) A61K 9/19 (2006.01) A61K 47/06 (2006.01) A61K 47/30 (2006.01) A61P 25/00 (2006.01)**

[25] EN

[54] **NON-INTRAVENOUS DOSAGE FORM COMPRISING SOLID FORMULATION OF LIQUID BIOLOGICALLY ACTIVE AGENT AND USES THEREOF**

[54] **FORME DOSIFIEE NON INTRAVEINEUSE COMPRENANT UNE FORMULATION SOLIDE D'UN AGENT LIQUIDE BIOLOGIQUEMENT ACTIF ET SES UTILISATIONS**

[72] RAVENELLE, FRANCOIS, CA
[72] LE GARREC, DOROTHEE, CA
[72] LESSARD, DAVID, CA
[72] GORI, SANDRA, CA
[72] SMITH, DAMON, CA
[72] RAHMOUNI, MILOU, CA
[72] SANT, VINAYAK, US
[73] PALADIN LABS INC., CA
[73] PALADIN LABS EUROPE LIMITED, IE

[73] PALADIN LABS (BARBADOS) INC., BB

[85] 2012-10-22
[86] 2011-04-21 (PCT/CA2011/000447)
[87] (WO2011/130834)
[30] US (61/327,348) 2010-04-23

[11] **2,797,244**
[13] C

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

[25] EN

[54] **INSERTION MODE PHACOEMULSIFICATION EMPLOYING POWERED IOL DELIVERY**

[54] **MODE D'INSERTION A PHACOEMULSIFICATION UTILISANT LA POSE MOTORISEE D'UNE LENTILLE INTRAOCULAIRE**

[72] COLE, MARK S., US
[72] SPRINGER, KEVIN R., US
[72] RANEY, ROB, US
[72] EVANS, WILLIAM J., US
[72] MYALL, PATRICK A., US
[72] WYLER, JONATHAN, US
[73] JOHNSON & JOHNSON SURGICAL VISION, INC., US

[85] 2012-10-23
[86] 2011-04-22 (PCT/US2011/033568)
[87] (WO2011/133853)
[30] US (61/327,435) 2010-04-23

[11] **2,798,194**
[13] C

[51] **Int.Cl. F16L 37/127 (2006.01) F16L 37/12 (2006.01) F16L 47/00 (2006.01) F16L 55/027 (2006.01) F25D 23/00 (2006.01)**

[25] EN

[54] **QUICK-CONNECT TUBE COUPLING**

[54] **ACCOUPEMENT DE TUBE A CONNEXION RAPIDE**

[72] CHRISTIAN, EARL, JR., US
[72] BLUE, WILLIAM, US
[72] GARDNER, SCOTT R., US
[72] HOCHSTETLER, WILLIAM SHANE, US

[72] KEMP, MATTHEW L., US
[72] DAVIS, DEWAYNE, US
[73] MERCURY PLASTICS LLC, US
[73] DELTA FAUCET COMPANY, US

[86] (2798194)
[87] (2798194)
[22] 2012-12-07
[30] US (61/568,905) 2011-12-09

[11] **2,798,272**
[13] C

[51] **Int.Cl. C07D 277/587 (2006.01) A61K 31/426 (2006.01) A61K 31/427 (2006.01) A61P 25/28 (2006.01) C07D 277/22 (2006.01) C07D 277/32 (2006.01) C07D 417/06 (2006.01) C07D 417/14 (2006.01)**

[25] EN

[54] **COMPOUNDS AND METHODS OF TREATING BRAIN DISORDERS**

[54] **COMPOSES ET METHODES PERMETTANT DE TRAITER DES TROUBLES CEREBRAUX**

[72] THATCHER, GREGORY R.J., US
[72] QIN, ZHIHUI, US
[72] LUO, JIA, US
[73] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, US

[85] 2012-11-02
[86] 2011-05-04 (PCT/US2011/035155)
[87] (WO2011/140198)
[30] US (61/331,483) 2010-05-05
[30] US (61/371,356) 2010-08-06
[30] US (61/376,411) 2010-08-24

[11] **2,799,207**
[13] C

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[25] EN

[54] **TREATMENT OF ATONAL HOMOLOG 1 (ATOH1) RELATED DISEASES BY INHIBITION OF NATURAL ANTISENSE TRANSCRIPT TO ATOH1**

[54] **TRAITEMENT DE MALADIES ASSOCIEES A L'HOMOLOGUE ATONAL 1 PAR INHIBITION DU PRODUIT DE TRANSCRIPTION ANTISENS NATUREL D'ATOH1**

[72] COLLARD, JOSEPH, US
[72] KHORKOVA SHERMAN, OLGA, US
[73] CURNA, INC., US

[85] 2012-11-09
[86] 2011-05-25 (PCT/US2011/037833)
[87] (WO2011/150005)
[30] US (61/348,656) 2010-05-26

[11] **2,800,917**
[13] C

[51] **Int.Cl. G06F 8/61 (2018.01) G06F 8/65 (2018.01)**

[25] EN

[54] **APPLICATIONS INCLUDING MULTIPLE EXPERIENCE MODULES**

[54] **APPLICATIONS COMPORTANT UNE PLURALITE DE MODULES D'EXPERIENCES**

[72] EVANS, CHRISTOPHER A., US
[72] JENSEN, SCOTT, US
[72] MENGLE, ADVAY V., US
[72] PEARCE, JEFFREY T., US
[72] ELSBREE, JOHN, US
[72] KAHN, LOUIS M., US
[72] NEFF, CHAD C., US
[72] OSMANOVIC, NERMIN, US
[72] MINWALLA, NOSHERWAN, US
[72] RAJAKUMAR, RAJADURAI ISAAC, US

[72] SATHER, DALE A., US
[72] SCHRODER, MANUEL A., US
[72] TEMEREANCA, OVIDIU G., US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US

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[30] US (12/822,036) 2010-06-23

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[54] **FLYWHEEL ENERGY SYSTEM**
[54] **SYSTEME D'ENERGIE A VOLANT**
[72] VELTRI, JEFFREY ALLAN, CA
[73] BC NEW ENERGY (TIANJIN) CO., LTD., CN
[85] 2012-11-30
[86] 2011-06-03 (PCT/CA2011/000641)
[87] (WO2011/153612)
[30] US (61/352,810) 2010-06-08

[11] **2,802,095**
[13] C

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[25] EN
[54] **METHOD AND SYSTEM FOR INJECTING A PRESSURIZED LIQUID STREAM WITH DISSOLVED GAS**
[54] **PROCEDE ET SYSTEME POUR INJECTER UN FLUX LIQUIDE SOUS PRESSION CONTENANT UN GAZ DISSOUS**
[72] SPEARS, JAMES, US
[72] RIDGWAY, JAMES, US
[73] ECO TOO, LLC, US
[73] JAMES RICHARD SPEARS MD PLLC, US
[85] 2012-12-07
[86] 2011-06-03 (PCT/US2011/039091)
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[30] US (12/795,362) 2010-06-07

[11] **2,802,119**
[13] C

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[25] EN
[54] **METHOD OF FORMING PATIENT-SPECIFIC IMPLANT**
[54] **PROCEDE POUR FORMER UN IMPLANT SPECIFIQUE D'UN PATIENT**
[72] ANTONYSHYN, OLEH, CA
[72] EDWARDS, GLENN, CA
[72] MAINPRIZE, JAMES, CA
[73] SUNNYBROOK HEALTH SCIENCES CENTER, CA
[85] 2012-12-10
[86] 2011-06-10 (PCT/CA2011/050357)
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[30] US (61/353,925) 2010-06-11

[11] **2,802,819**
[13] C

[51] **Int.Cl. C08B 37/00 (2006.01) A01N 25/12 (2006.01) A01N 25/14 (2006.01) A01N 43/16 (2006.01) A01N 63/02 (2006.01) A01N 63/04 (2006.01) A01P 3/00 (2006.01) A23L 2/42 (2006.01) A23L 2/44 (2006.01) A23L 2/52 (2006.01) A23L 2/70 (2006.01) A23L 3/34 (2006.01) C08B 37/08 (2006.01) C08L 5/08 (2006.01) C12H 1/04 (2006.01) C12H 1/14 (2006.01)**

[25] FR
[54] **CHITOSAN POWDER AND USES FOR THE TREATMENT OF LIQUID FOOD**
[54] **POUDRE DE CHITOSANE ET SES UTILISATIONS POUR LE TRAITEMENT DE LIQUIDES ALIMENTAIRES**
[72] BORNET, AURELIE, FR
[72] GAUTIER, SANDRINE, BE
[72] MAQUET, VERONIQUE, BE
[72] TEISSEDDRE, PIERRE-LOUIS, FR
[72] GRANES, DANIELS, FR
[72] PIC-BLATEYRON, LUCILE, FR
[73] KITOZYME, BE
[85] 2012-12-14
[86] 2011-06-16 (PCT/FR2011/051368)
[87] (WO2011/157955)
[30] FR (1054887) 2010-06-18

[11] **2,803,035**
[13] C

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[25] EN
[54] **LOAD DISTRIBUTION DEVICE FOR HUMAN JOINTS**
[54] **DISPOSITIF DE REPARTITION DE CHARGE POUR DES ARTICULATIONS HUMAINES**
[72] BEDARD, STEPHANE, CA
[72] LACHANCE, DANY, CA
[72] GILBERT, BENOIT, CA
[72] ROY, YVES, CA
[73] B-TEMIA INC., CA
[85] 2012-12-18
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[87] (WO2011/123928)
[30] US (61/282,835) 2010-04-07

[11] **2,803,053**
[13] C

[51] **Int.Cl. A47J 31/40 (2006.01)**

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[54] **BEVERAGE BREWING APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE PERMETTANT DE FAIRE INFUSER UNE BOISSON**
[72] QUINN, ANTHONY EDWARD, GB
[72] KARREMAN, MARCO, NL
[72] GERBRANDA, TJEERD JAN PIETER, NL
[72] MULLER, EDWIN JEROEN, NL
[73] UNILEVER PLC, GB
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[86] 2011-06-23 (PCT/EP2011/060539)
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[11] **2,803,104**
[13] C

[51] **Int.Cl. H05K 1/02 (2006.01) H05K 1/16 (2006.01)**

[25] EN
[54] **MULTILAYERED FILM ELEMENT**
[54] **ELEMENT FILM MULTICOUCHE**
[72] SCHINDLER, ULRICH, DE
[72] SCHUMACHER, CHRISTIAN, DE
[72] MIESLINGER, STEFAN, DE
[73] LEONHARD KURZ STIFTUNG & CO. KG, DE
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[86] 2011-06-11 (PCT/EP2011/002878)
[87] (WO2011/160782)
[30] DE (10 2010 024 523.2) 2010-06-21

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[11] **2,804,756**
[13] C

[51] **Int.Cl. B29C 33/12 (2006.01)**
[25] EN
[54] **LABELED CONTAINERS AND PROCESSES FOR PRODUCING LABELED CONTAINERS**
[54] **RECIPIENTS ETIQUETES ET PROCEDES DE PRODUCTION DE RECIPIENTS ETIQUETES**
[72] URUSHIDANI, YUKIHIRO, US
[72] KUROSAKI, KAZUHIRO, JP
[72] TAI, SHINJI, US
[72] NAKAYA, MASAKAZU, US
[73] NESTEC S.A., CH
[73] KURARAY CO. LTD., JP
[85] 2013-01-08
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[87] (WO2012/005761)
[30] US (61/399,265) 2010-07-09

[11] **2,805,049**
[13] C

[51] **Int.Cl. A61F 13/02 (2006.01) A61B 17/08 (2006.01) A61M 1/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ELECTRICALLY DETECTING THE PRESENCE OF EXUDATE IN DRESSINGS**
[54] **SYSTEMES ET METHODES DE DETECTION ELECTRIQUE DE LA PRESENCE D'EXUDAT DANS DES PANSEMENTS**
[72] COULTHARD, RICHARD DANIEL JOHN, GB
[72] THOMSON, MALCOLM, US
[72] JAEGER, RICO, US
[73] KCI LICENSING, INC., US
[85] 2013-01-10
[86] 2011-07-15 (PCT/US2011/044182)
[87] (WO2012/012286)
[30] US (61/365,614) 2010-07-19
[30] US (61/407,194) 2010-10-27
[30] US (61/418,730) 2010-12-01

[11] **2,806,519**
[13] C

[51] **Int.Cl. A61K 9/50 (2006.01) A61K 31/573 (2006.01) A61P 1/04 (2006.01) A61P 1/12 (2006.01)**
[25] EN
[54] **BECLOMETHASONE DIPROPIONATE COMPOSITIONS IN MODIFIED-RELEASE GASTRO-RESISTANT MICROSPHERES AND PROCESS FOR OBTAINING THEM**
[54] **COMPOSITIONS A BASE DE DIPROPIONATE DE BECLOMETHASONE ENFERMEES DANS DES MICROSPHERES GASTRO-RESISTANTES A LIBERATION MODIFIEE ET LEUR PROCEDE DE PRODUCTION**
[72] LABRUZZO, CARLA, IT
[73] SOFAR SPA, IT
[85] 2013-01-24
[86] 2011-08-02 (PCT/IB2011/053430)
[87] (WO2012/017385)
[30] IT (MI2010A001512) 2010-08-06

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[13] C

[51] **Int.Cl. A23G 9/34 (2006.01) A23G 9/32 (2006.01) A23G 9/42 (2006.01) A23G 9/46 (2006.01)**
[25] EN
[54] **FROZEN CONFECTIONARY PRODUCT WITH A NATURAL STABILISER**
[54] **PRODUIT DE TYPE DESSERT GLACE CONTENANT UN STABILISANT NATUREL**
[72] LALLEMAND, MAUD ISABELLE, FR
[72] BARNIOL GUTIERREZ, ALINA MARIA, FR
[72] LE BORGNE, NATHALIE FRANCOISE, FR
[72] PENET, SYLVIE, FR
[72] PUAUD, MAX MICHEL, FR
[72] HENG, LYNN, FR
[72] LACOUT, JEAN-MICHEL, IT
[73] NESTEC S.A., CH
[85] 2013-02-04
[86] 2011-07-18 (PCT/EP2011/062272)
[87] (WO2012/016816)
[30] EP (10171992.0) 2010-08-05

[11] **2,808,229**
[13] C

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[25] EN
[54] **FLUORINATED ETHOXYLATED POLYURETHANES**
[54] **POLYURETHANES ETHOXYLES FLUORES**
[72] OBER, MICHAEL HENRY, US
[72] KANETSKY, KATHLEEN L., US
[72] YAKE, ALLISON MARY, US
[73] THE CHEMOURS COMPANY FC, LLC, US
[85] 2013-02-12
[86] 2011-08-26 (PCT/US2011/049465)
[87] (WO2012/027729)
[30] US (12/869,897) 2010-08-27

[11] **2,809,116**
[13] C

[51] **Int.Cl. G06F 3/01 (2006.01) G06F 3/033 (2013.01) G06F 3/041 (2006.01) G06F 3/044 (2006.01)**
[25] EN
[54] **LOCALIZING AN ELECTROSTATIC STYLUS WITHIN A CAPACITIVE TOUCH SENSOR**
[54] **LOCALISATION D'UN STYLET ELECTROSTATIQUE DANS UN CAPTEUR TACTILE CAPACITIF**
[72] WESTHUES, JONATHAN, US
[72] HAN, JEFFERSON Y., US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2013-02-21
[86] 2011-08-29 (PCT/US2011/049534)
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[30] US (12/871,652) 2010-08-30

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[13] C

[51] **Int.Cl. H02J 13/00 (2006.01) H02J 3/00 (2006.01) H02J 3/04 (2006.01) H04L 12/16 (2006.01)**

[25] EN

[54] **MICROGRID CONTROL SYSTEM**

[54] **SYSTEME DE COMMANDE DE MINI-RESEAU**

[72] CARRALERO, MICHAEL A., US

[72] QUIAMBAO, JIMMY M., US

[72] POUNDS, DALE K., US

[73] THE BOEING COMPANY, US

[85] 2013-02-21

[86] 2011-09-19 (PCT/US2011/052205)

[87] (WO2012/054161)

[30] US (12/909,283) 2010-10-21

[11] **2,809,699**
[13] C

[51] **Int.Cl. E06B 3/06 (2006.01)**

[25] EN

[54] **SNAP-TOGETHER WINDOW FRAME**

[54] **CADRE DE FENETRE A ENCLIQUETAGE**

[72] EDWARDS, CHRIS GARRY, CA

[72] KROKOS, TIMOTHY RYAN, CA

[72] KUSSEN, KENNETH KARL, CA

[72] ECKENSWILLER, EDGAR GRANT, CA

[73] WEBER MANUFACTURING TECHNOLOGIES INC., CA

[86] (2809699)

[87] (2809699)

[22] 2013-03-15

[11] **2,810,143**
[13] C

[51] **Int.Cl. H01J 49/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR USING VARIABLE MASS SELECTION WINDOW WIDTHS IN TANDEM MASS SPECTROMETRY**

[54] **SYSTEMES ET PROCEDURE D'UTILISATION DE LARGEURS DE FENETRE DE SELECTION DE MASSE VARIABLES DANS LA SPECTROMETRIE DE MASSE EN TANDEM**

[72] BONNER, RONALD, CA

[72] TATE, STEPHEN A., CA

[73] DH TECHNOLOGIES DEVELOPMENT PTE. LTD., SG

[85] 2013-03-01

[86] 2011-09-07 (PCT/IB2011/002057)

[87] (WO2012/032394)

[30] US (61/380,916) 2010-09-08

[11] **2,810,328**
[13] C

[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/00 (2006.01)**

[25] EN

[54] **SENSOR ASSEMBLY AND MEDICAL DEVICE INCORPORATING SAME**

[54] **ENSEMBLE CAPTEUR ET DISPOSITIF MEDICAL LE COMPRENANT**

[72] BENTE, PAUL, F., IV, US

[72] VAZQUEZ, PABLO, US

[72] HANSON, IAN B., US

[72] BAZARGAN, AFSHIN, US

[72] KOW, HSIAO-YU S., US

[73] MEDTRONIC MINIMED, INC., US

[85] 2013-02-25

[86] 2011-10-05 (PCT/US2011/054988)

[87] (WO2012/054236)

[30] US (12/908,812) 2010-10-20

[30] US (12/908,809) 2010-10-20

[30] US (12/908,807) 2010-10-20

[11] **2,811,080**
[13] C

[51] **Int.Cl. C07D 403/04 (2006.01) C07D 241/38 (2006.01) C07D 243/10 (2006.01) C07D 401/04 (2006.01) C07D 403/10 (2006.01) C07D 405/04 (2006.01) C07D 405/10 (2006.01) C07D 409/04 (2006.01) C07D 409/10 (2006.01) C07D 413/10 (2006.01) C07D 417/04 (2006.01) C07D 417/10 (2006.01) C07D 471/04 (2006.01) C07D 491/04 (2006.01) C07D 495/04 (2006.01)**

[25] EN

[54] **HETEROCYCLIC COMPOUNDS FOR TREATING OR PREVENTING DISORDERS CAUSED BY REDUCED NEUROTRANSMISSION OF SEROTONIN, NOREPINEPHRINE OR DOPAMINE**

[54] **COMPOSES HETEROCYCLIQUES DESTINES A TRAITER OU PREVENIR LES MALADIES CAUSEES PAR LA NEUROTRANSMISSION REDUITE DE SEROTONINE, NOREPINEPHRINE OU DOPAMINE**

[72] ITO, NOBUAKI, JP

[72] SASAKI, HIROFUMI, JP

[72] TAI, KUNINORI, JP

[72] SHINOHARA, TOMOICHI, JP

[73] OTSUKA PHARMACEUTICAL CO., LTD., JP

[85] 2013-03-11

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[87] (WO2012/036253)

[30] JP (2010-204747) 2010-09-13

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[11] **2,811,367**
[13] C

[51] **Int.Cl. C07D 239/69 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING BOSENTAN MONOHYDRATE AND ITS INTERMEDIATES**
[54] **PROCEDE DE PREPARATION DU BOSENTAN MONOHYDRATE ET DE SES INTERMEDIAIRES**
[72] COTARCA, LIVIUS, IT
[72] VERZINI, MASSIMO, IT
[72] MELOTTO, ELISA, IT
[72] MICHIELETTO, IVAN, IT
[72] MELLONI, ALFONSO, IT
[72] MARAGNI, PAOLO, IT
[72] VOLPICELLI, RAFFAELLA, IT
[72] ANDRETTO, MAURO, IT
[72] COLLI, CORRADO, IT
[73] ZACH SYSTEM S.P.A., IT
[85] 2013-03-14
[86] 2011-09-22 (PCT/EP2011/066531)
[87] (WO2012/041764)
[30] EP (10185950.2) 2010-10-01

[11] **2,812,757**
[13] C

[51] **Int.Cl. B27N 3/10 (2006.01) B27N 1/02 (2006.01) C08L 75/04 (2006.01) C08L 97/02 (2006.01)**
[25] EN
[54] **COLD-PRESSED MATS OF LIGNOCELLULOSIC MATERIAL HAVING IMPROVED COLD TACK AND A PROCESS FOR THEIR PRODUCTION**
[54] **MATTES PRESSES A FROID CONSTITUES D'UN MATERIAU LIGNOCELLULOSIQUE PRESENTANT UNE ADHERENCE A FROID AMELIOREE ET LEUR PROCEDE DE PRODUCTION**
[72] COMBS, GEORGE, US
[72] BARKSBY, NIGEL, US
[72] DORMISH, JEFFREY F., US
[73] COVESTRO LLC, US
[85] 2013-03-26
[86] 2011-09-27 (PCT/US2011/053365)
[87] (WO2012/044592)
[30] US (12/894,259) 2010-09-30

[11] **2,813,619**
[13] C

[51] **Int.Cl. G01M 17/00 (2006.01) B64D 47/00 (2006.01) B64F 5/00 (2017.01)**
[25] FR
[54] **PROCESS AND CONFIGURATION DEVICE FOR AN ALERT MANAGEMENT SYSTEM IN AN AIRCRAFT**
[54] **PROCEDE ET DISPOSITIF DE CONFIGURATION D'UN SYSTEME DE GESTION D'ALERTE POUR AERONEF**
[72] GUILLEY, FABIEN, FR
[72] DEREUSE, CHRIS, FR
[72] FRANCOIS, GILLES, FR
[73] THALES, FR
[86] (2813619)
[87] (2813619)
[22] 2013-04-23
[30] FR (1201198) 2012-04-24

[11] **2,813,971**
[13] C

[51] **Int.Cl. A23L 33/16 (2016.01) A23L 33/20 (2016.01) A61K 33/06 (2006.01)**
[25] EN
[54] **DIETARY FOOD PRODUCT WITH REDUCED FAT ABSORPTION**
[54] **PRODUIT ALIMENTAIRE AVEC ABSORPTION DES GRAISSES REDUITE**
[72] ALBRECHT, UWE, DE
[73] MEDICOCENSUS GMBH, DE
[85] 2013-04-05
[86] 2011-10-07 (PCT/IB2011/002826)
[87] (WO2012/046142)
[30] CA (2,716,718) 2010-10-08

[11] **2,814,634**
[13] C

[51] **Int.Cl. H04L 29/06 (2006.01) H04L 12/24 (2006.01)**
[25] EN
[54] **METHODS, SYSTEMS, AND COMPUTER-READABLE MEDIA FOR CONDUCTING COMMUNICATIONS**
[54] **PROCEDES, SYSTEMES ET SUPPORTS LISIBLES PAR ORDINATEUR PERMETTANT D'EFFECTUER DES COMMUNICATIONS**
[72] JAYAPALAN, VIJAY, US
[72] REEDY, MATTHEW C., US
[72] TROST, CHRISTOPHER S., US
[72] WOEHRLE, JUDD, US
[73] UNITED SERVICES AUTOMOBILE ASSOCIATION (USAA), US
[85] 2013-04-12
[86] 2011-10-12 (PCT/US2011/001752)
[87] (WO2012/050613)
[30] US (61/392,299) 2010-10-12
[30] US (13/253,718) 2011-10-05

[11] **2,815,227**
[13] C

[51] **Int.Cl. C07D 487/04 (2006.01) C12Q 1/66 (2006.01)**
[25] EN
[54] **COELENTERAZINE SUBSTRATES AND METHODS OF USE**
[54] **SUBSTRATS DE COELENTERAZINE ET PROCEDES D'UTILISATION**
[72] KLAUBERT, DIETER H., US
[72] MEISENHEIMER, PONCHO, US
[72] UNCH, JAMES, US
[73] PROMEGA CORPORATION, US
[85] 2013-04-17
[86] 2011-11-02 (PCT/US2011/059017)
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[30] US (61/409,422) 2010-11-02

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[11] **2,816,080**
[13] C

[51] **Int.Cl. B03D 1/14 (2006.01) B03D 1/02 (2006.01)**
[25] EN
[54] **CONTROLLING FROTH FLOTATION**
[54] **REGULATION DE FLOTTATION PAR FORMATION D'ECUME**
[72] WELLWOOD, GRANT ASHLEY, AU
[72] HARDING, DAMIEN, AU
[72] THORNTON, ANDREW, AU
[72] NORTHWAY, BRUCE, AU
[72] KROPF, KEVIN, AU
[73] TECHNOLOGICAL RESOURCES PTY. LIMITED, AU
[85] 2013-04-26
[86] 2011-11-16 (PCT/AU2011/001480)
[87] (WO2012/065221)
[30] AU (2010905081) 2010-11-16

[11] **2,816,404**
[13] C

[51] **Int.Cl. H01M 4/64 (2006.01)**
[25] EN
[54] **BATTERY ELECTRODE AND METHOD FOR PRODUCING SAME**
[54] **ELECTRODE DE BATTERIE ET PROCEDE DE FABRICATION CORRESPONDANT**
[72] STERN, RAINER, DE
[72] KASPER, MICHAEL, DE
[73] ZENTRUM FUER SONNENENERGIE- UND WASSERSTOFF-FORSCHUNG BADEN-WUERTEMBERG, GEMEINNUETZIGE STIFTUNG, DE
[85] 2013-04-29
[86] 2011-11-25 (PCT/EP2011/005945)
[87] (WO2012/072221)
[30] DE (10 2010 062 140.4) 2010-11-29

[11] **2,816,868**
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[54] **LIGHT FIXTURE FOR A MERCHANDISER**
[54] **LUMINAIRE POUR UN PRESENTOIR**
[72] MADIREDDI, SESA, US
[72] SCHNUR, DANIEL, US
[72] YUREK, NICK, US
[73] HUSSMANN CORPORATION, US
[86] (2816868)
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[30] US (13/797,030) 2013-03-12

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[54] **FIRE BARRIER LAYER AND FIRE BARRIER FILM LAMINATE**
[54] **COUCHE ANTI-FEU ET FILM STRATIFIE ANTI-FEU**
[72] FERNANDO, JOSEPH A., US
[72] GARVEY, CHAD E., US
[72] RIOUX, ROBERT, US
[72] MILLER, KENNETH B., US
[72] JUNG, GENE, US
[73] UNIFRAX I LLC, US
[73] LAMART CORPORATION, US
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[25] EN
[54] **TAMPER EVIDENT WALL CLADDING SYSTEM**
[54] **SYSTEME DE REVETEMENT MURAL INVOLABLE**
[72] SMED, MOGENS F., CA
[72] GOSLING, GEOFF, CA
[73] DIRTT ENVIRONMENTAL SOLUTIONS, LTD., CA
[85] 2013-05-31
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[54] **SYSTEM AND METHOD FOR SEISMIC DATA MODELING AND MIGRATION**
[54] **SYSTEME ET PROCEDE DE MODELISATION ET DE MIGRATION DE DONNEES SISMIQUES**
[72] ZHANG, LINBIN, US
[72] SHAN, GUOJIAN, US
[72] WANG, YUE, US
[73] CHEVRON U.S.A. INC., US
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[25] EN
[54] **SWITCHING DEVICE AND METHOD FOR TERMINATING A BRAKING PROCESS OF A THREE-PHASE AC MOTOR**
[54] **APPAREIL DE CONNEXION ET PROCEDE POUR TERMINER UN PROCESSUS DE FREINAGE D'UN MOTEUR A COURANT ALTERNATIF TRIPHASE**
[72] HERTZ, DIRK, DE
[72] SEITZ, JOHANN, DE
[72] ZITZLER, STEFAN, DE
[73] SIEMENS AKTIENGESELLSCHAFT, DE
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[54] **METHODS AND KITS FOR DIFFERENTIAL STAINING OF ABNORMAL URINARY SYSTEM CELLS**
[54] **PROCEDES ET KITS POUR LA COLORATION DIFFERENTIEE DE CELLULES ANORMALES DU SYSTEME URINAIRE**
[72] IDELEVICH, PAVEL, IL
[72] ELKELES, ADI, IL
[72] TERKIELTAUB, DOV, IL
[72] EYAL, AMI, IL
[73] ZETIQ TECHNOLOGIES LTD., IL
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[25] EN
[54] **PROCESS FOR THE PREPARATION OF MORPHOLINYL ANTHRACYCLINE DERIVATIVES**
[54] **PROCEDE POUR LA PREPARATION DE DERIVES DE LA MORPHOLINYLE ANTHRACYCLINE**
[72] CARUSO, MICHELE, IT
[72] LUPI, VITTORIA, IT
[72] SALSA, MATTEO, IT
[73] NERVIANO MEDICAL SCIENCES S.R.L., IT
[85] 2013-05-21
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[54] **PROCESS FOR PRODUCTION OF PROTEIN**
[54] **PROCEDE DE PRODUCTION D'UNE PROTEINE**
[72] KAWAKAMI, KOICHI, JP
[72] KUROKAWA, MEGUMI, JP
[72] YAMAGUCHI, KEINA, JP
[72] OGAWA, RISA, JP
[72] TSUKAHARA, MASAYOSHI, JP
[72] HAYASHI, YOKO, JP
[73] INTER-UNIVERSITY RESEARCH INSTITUTE CORPORATION RESEARCH ORGANIZATION OF INFORMATION AND SYSTEMS, JP
[73] KYOWA HAKKO KIRIN CO., LTD., JP
[85] 2013-06-05
[86] 2011-12-14 (PCT/JP2011/078935)
[87] (WO2012/081628)
[30] JP (2010-279849) 2010-12-15

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[25] EN
[54] **PURIFICATION OF CELL CULTURE DERIVED ALPHA1 PROTEASE INHIBITOR**
[54] **PURIFICATION DE L'INHIBITEUR DE L'ALPHA1 PROTEASE DERIVE DE CULTURES DE CELLULES**
[72] OWNBY, DAVID, US
[72] ZIMMERMAN, THOMAS P., US
[72] HUNT, JENNIFER A., US
[72] MILLER, CHARLES, US
[72] RANGANATHAN, SENTHIL, US
[72] DESSOURCES, TONY, US
[73] GRIFOLS, S.A., ES
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[25] EN
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[54] **PROCEDE DE MICROENCAPSULATION ET PRODUIT ASSOCIE**
[72] GOLL, DIANE, US
[72] PROPST, CECIL W., US
[73] SPI PHARMA, INC., US
[85] 2013-03-18
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[25] EN
[54] **SYSTEM FOR AND METHOD OF MEASURING FLOW OF A POWDER**
[54] **SYSTEME ET PROCEDE POUR MESURER L'ECOULEMENT D'UNE POUDRE**
[72] FOUAD-FAHMI, THARWAT, CA
[73] ANUBIS MANUFACTURING CONSULTANTS CORP., CA
[85] 2013-06-14
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[30] US (61/423,406) 2010-12-15

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[25] EN
[54] **METHOD FOR PRODUCING PROTEINS**
[54] **METHODE DE PRODUCTION DE PROTEINES**
[72] KUROKAWA, MEGUMI, JP
[72] HAYASHI, YOKO, JP
[72] TSUKAHARA, MASAYOSHI, JP
[73] KYOWA HAKKO KIRIN CO., LTD., JP
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[86] 2011-12-14 (PCT/JP2011/078938)
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[30] JP (2010-279850) 2010-12-15

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[54] **MILK SAMPLING**
[54] **ECHANTILLONNAGE DE LAIT**
[72] GUDMUNDSSON, MATS, SE
[73] DELAVAL HOLDING AB, SE
[85] 2013-06-18
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[30] GB (1021826.1) 2010-12-21
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[13] C

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[25] EN
[54] **AUTOMATED CASE ORDER SEQUENCING METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME AUTOMATISES D'ORDONNANCEMENT DE COMMANDES**
[72] LAFONTAINE, DANIEL R., CA
[73] 3584925 CANADA INC. (DRL SYSTEMS), CA
[85] 2013-06-20
[86] 2011-12-20 (PCT/CA2011/001400)
[87] (WO2012/083437)
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[13] C

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[25] EN
[54] **COMBINATION ION GATE AND MODIFIER**
[54] **PORTE IONIQUE ET MODIFICATEUR IONIQUE COMBINES**
[72] ATKINSON, JONATHAN RICHARD, GB
[73] SMITHS DETECTION-WATFORD LIMITED, GB
[85] 2013-06-21
[86] 2012-01-20 (PCT/GB2012/000057)
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[13] C

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[73] INNOVATIVE CARDIOVASCULAR SOLUTIONS, LLC, US
[85] 2013-06-26
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[13] C

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[25] EN
[54] **INDUCTOR CORE**
[54] **NOYAU DE BOBINE D'INDUCTION**
[72] ANDERSSON, OLA, SE
[72] PENNANDER, LARS-OLOV, SE
[73] HOEGANAES AB (PUBL), SE
[85] 2013-06-28
[86] 2011-12-22 (PCT/EP2011/073829)
[87] (WO2012/093040)
[30] EP (11150015.3) 2011-01-03
[30] US (61/429,870) 2011-01-05

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[13] C

[51] **Int.Cl. B25B 27/10 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **TOOL FOR SIMPLIFYING ATTACHMENT OF HOSE TO NIPPLE**
[54] **OUTIL PERMETTANT DE SIMPLIFIER LA FIXATION D'UN TUYAU FLEXIBLE A UN EMBOUT**
[72] HOELSAETER, GEIR, NO
[73] HOELSAETER, GEIR, NO
[85] 2013-07-02
[86] 2011-12-12 (PCT/NO2011/000342)
[87] (WO2012/121603)
[30] NO (20110053) 2011-01-13

[11] **2,824,518**
[13] C

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[25] EN
[54] **Z-SELECTIVE OLEFIN METATHESIS CATALYSTS AND THEIR SYNTHETIC PROCEDURE**
[54] **CATALYSEURS POUR METATHESE D'OLEFINES Z-SELECTIVE ET LEUR PROCEDURE DE SYNTHESE**
[72] ENDO, KOJI, JP
[72] KEITZ, BENJAMIN KEITH, US
[72] HERBERT, MYLES BENTON, US
[72] PATEL, PAREMA RASIKLAL, US
[72] GRUBBS, ROBERT HOWARD, US
[73] CALIFORNIA INSTITUTE OF TECHNOLOGY, US
[85] 2013-07-11
[86] 2012-01-17 (PCT/US2012/021609)
[87] (WO2012/097379)
[30] US (61/432,849) 2011-01-14
[30] US (61/433,949) 2011-01-18
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[13] C

[51] **Int.Cl. H01H 31/02 (2006.01) H02B 13/00 (2006.01)**
[25] EN
[54] **ELECTRICAL CURRENT INTERRUPTING DEVICE**
[54] **DISPOSITIF D'INTERRUPTION DU COURANT ELECTRIQUE**
[72] GIBSON, LLOYD DEAN, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2013-07-10
[86] 2012-01-17 (PCT/US2012/021485)
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[30] US (13/009,168) 2011-01-19

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[25] EN

[54] **A PROCESS FOR THE PRODUCTION OF (METH)ACRYLIC ACID AND DERIVATIVES AND POLYMERS PRODUCED THEREFROM**

[54] **PROCEDE DE PRODUCTION D'ACIDE (METH)ACRYLIQUE, ET DERIVES ET POLYMERES PRODUITS AU MOYEN DE CELUI-CI**

[72] JOHNSON, DAVID WILLIAM, GB
[72] EASTHAM, GRAHAM RONALD, GB
[72] POLIAKOFF, MARTYN, GB
[72] HUDDLE, THOMAS ANDREW, GB
[73] LUCITE INTERNATIONAL UK LIMITED, GB

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[86] 2012-02-08 (PCT/GB2012/050272)
[87] (WO2012/107758)
[30] GB (1102249.8) 2011-02-09
[30] GB (1110741.4) 2011-06-24

[11] **2,827,620**
[13] C

[51] **Int.Cl. B02C 17/24 (2006.01) H02P 1/34 (2006.01) B02C 17/18 (2006.01)**

[25] EN

[54] **DRIVE SYSTEM FOR A BALL MILL AND METHOD FOR OPERATING A BALL MILL**

[54] **SYSTEME D'ENTRAINEMENT DE BROYEUR A BOULETS ET PROCEDE DE FONCTIONNEMENT D'UN BROYEUR A BOULETS**

[72] HOLLAND, MAARTEN, NL
[73] SIEMENS AKTIENGESELLSCHAFT, DE

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[87] (WO2012/110358)
[30] DE (10 2011 004 416.7) 2011-02-18

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[51] **Int.Cl. C07K 16/00 (2006.01) A61K 39/395 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **EXPRESSION OF MONOCLONAL ANTIBODIES IN CILIATE HOST CELLS**

[54] **EXPRESSION D'ANTICORPS MONOCLONAUX DANS DES CELLULES HOTES CILIEES**

[72] HARTMANN, MARCUS, DE
[72] APELT, JENNY, DE
[73] CILIAN AG, DE

[85] 2013-08-23
[86] 2011-03-02 (PCT/EP2011/053129)
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[30] GB (1003701.8) 2010-03-05

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[13] C

[51] **Int.Cl. E02F 9/22 (2006.01) B66C 13/12 (2006.01) B66C 13/18 (2006.01) E02F 9/14 (2006.01) E02F 9/20 (2006.01) F15C 3/00 (2006.01)**

[25] EN

[54] **INTELLIGENT BOOM CONTROL HYDRAULIC SYSTEM**

[54] **DISPOSITIF HYDRAULIQUE DE COMMANDE INTELLIGENTE DE MAT**

[72] RASZGA, CALIN, US
[72] STULEN, HENRY J., CA
[73] DEERE & COMPANY, US

[86] (2828341)
[87] (2828341)
[22] 2013-09-24
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[13] C

[51] **Int.Cl. G05B 23/02 (2006.01) F15B 19/00 (2006.01) F15B 21/08 (2006.01) F16K 37/00 (2006.01)**

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[54] **METHOD AND DEVICE FOR MONITORING A SERVO-VALVE ACTUATION SYSTEM**

[54] **PROCEDE ET DISPOSITIF DE SURVEILLANCE POUR SYSTEME D'ACTIONNEMENT A SERVOVALVE**

[72] GUEIT, NICOLAS MARIE PIERRE, FR
[72] GODEL, FRANCK, FR
[72] PONTALLIER, BENOIT, FR
[73] SNECMA, FR

[85] 2013-08-28
[86] 2012-02-24 (PCT/FR2012/050388)
[87] (WO2012/120218)
[30] FR (1151853) 2011-03-07

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[13] C

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[54] **PHYSIOTHERAPY APPARATUS**

[54] **APPAREIL DE PHYSIOTHERAPIE**

[72] HARTMAN, JOHANNES BASTIAAN, NL
[72] VAN BAREN, ARIE, NL
[73] ENRAF-NONIUS B.V., NL

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[86] 2011-03-29 (PCT/EP2011/054856)
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[30] EP (PCT/EP2010/054160) 2010-03-30

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[13] C

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[25] EN
[54] **ALUMINOXANE CATALYST ACTIVATORS CONTAINING CARBOCATION AGENTS, AND USE THEREOF IN POLYOLEFIN CATALYSTS**
[54] **ACTIVATEURS DE CATALYSEUR A L'ALUMINOXANE CONTENANT DES AGENTS CARBOCATION, ET LEUR UTILISATION DANS DES CATALYSEURS DE POLYOLEFINES**
[72] LUO, LUBIN, US
[72] WU, XIAO, US
[72] DIEFENBACH, STEVEN P., US
[73] W.R. GRACE & CO.-CONN., US
[85] 2013-09-03
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[30] US (61/450,696) 2011-03-09

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[13] C

[51] **Int.Cl. G01N 37/00 (2006.01) B64F 5/60 (2017.01) B64C 3/26 (2006.01) B64D 45/02 (2006.01) G01N 21/88 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATED CRACK INSPECTION AND REPAIR**
[54] **SYSTEME ET PROCEDE D'INSPECTION ET DE REPARATION DE FISSURES AUTOMATIQUES**
[72] BLANCHARD, STEVEN D., US
[72] GEORGESON, GARY E., US
[72] HAFENRICHTER, JOSEPH L., US
[72] NELSON, KARL E., US
[72] MCCLEAVE, THOMAS T., US
[73] THE BOEING COMPANY, US
[86] (2829888)
[87] (2829888)
[22] 2013-10-10
[30] US (13/749,843) 2013-01-25

[11] **2,830,676**
[13] C

[51] **Int.Cl. C23C 22/00 (2006.01) B05D 7/14 (2006.01) C23C 22/12 (2006.01) C23C 22/34 (2006.01) C23C 22/36 (2006.01) C23C 22/60 (2006.01) C23C 22/73 (2006.01) C23C 22/83 (2006.01)**
[25] EN
[54] **MULTI-STAGE ANTI-CORROSION TREATMENT OF METAL COMPONENTS HAVING ZINC SURFACES**
[54] **TRAITEMENT ANTICORROSION MULTIETAPE DE PIECES METALLIQUES A SURFACES DE ZINC**
[72] BROUWER, JAN-WILLEM, DE
[72] PILAREK, FRANK-OLIVER, DE
[72] SCHEFFEL, RAINER, DE
[73] HENKEL AG & CO. KGAA, DE
[85] 2013-09-18
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[87] (WO2012/126734)
[30] EP (11159220.0) 2011-03-22

[11] **2,829,486**
[13] C

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[25] EN
[54] **IMPROVED STABILITY OF POLYURETHANE POLYOL BLENDS CONTAINING HALOGENATED OLEFIN BLOWING AGENT**
[54] **STABILITE AMELIOREE DE MELANGES DE POLYURETHANNE POLYOL CONTENANT UN AGENT GONFLANT D'OLEFINE HALOGENEE**
[72] CHEN, BENJAMIN B., US
[72] COSTA, JOSEPH S., US
[72] ABBAS, LAURENT, US
[72] LIU, HAIMING, US
[72] SESHADRI, SRI R., US
[73] ARKEMA INC., US
[85] 2013-09-09
[86] 2012-03-06 (PCT/US2012/027800)
[87] (WO2012/150998)
[30] US (61/451,673) 2011-03-11

[11] **2,830,525**
[13] C

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[25] EN
[54] **AERATED FIBER CEMENT BUILDING PRODUCTS AND METHODS OF MAKING THE SAME**
[54] **PRODUITS DE CONSTRUCTION EN FIBRO-CIMENT AERES ET LEURS PROCEDES DE REALISATION**
[72] PENG, JOE ZHOU, US
[72] MUELLER, THOMAS PATRICK, US
[73] JAMES HARDIE TECHNOLOGY LIMITED, IE
[85] 2013-09-17
[86] 2012-04-27 (PCT/US2012/035593)
[87] (WO2012/149421)
[30] US (61/479,814) 2011-04-27

[11] **2,831,360**
[13] C

[51] **Int.Cl. A61M 5/24 (2006.01) A61M 5/32 (2006.01) A61M 5/42 (2006.01)**
[25] EN
[54] **INJECTION APPARATUS WITH NEEDLE HOUSING FOR DESENSITISING SKIN**
[54] **APPAREIL D'INJECTION COMPORTANT UN LOGEMENT D'AIGUILLE POUR DESENSIBILISER LA PEAU**
[72] ARDEHALI, MASSOUD HOSSEINI, GB
[73] ARDEHALI, MASSOUD HOSSEINI, GB
[85] 2013-09-25
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[87] (WO2012/168691)
[30] GB (1109620.3) 2011-06-09

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[25] EN
[54] **PROTECTIVE ARMOUR ELEMENT**
[54] **ELEMENT DE BLINDAGE PROTECTEUR**
[72] CARTON, ERIK PETER, NL
[72] BROOS, JOHANNES PIETER FRANS, NL
[73] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL
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[54] **STABLE CREAMER COMPOSITION**
[54] **COMPOSITION DE CREME STABLE**
[72] NAPOLITANO, GUILLERMO E., US
[72] ERICKSON, LINDA J., US
[73] NESTEC S.A., CH
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[30] US (61/476,074) 2011-04-15

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[54] **DOUBLE-SIDED STIFFENED COMPOSITE PANEL, AND METHOD FOR PRODUCING SUCH A PANEL**
[54] **PANNEAU COMPOSITE RAIDI DOUBLE FACE ET PROCEDE DE REALISATION D'UN TEL PANNEAU**
[72] HUGON, MICHAEL, FR
[72] PELARD, ALEXANDRE, FR
[72] SOUBELET, DIOMINIQUE, FR
[73] DAHER AEROSPACE, FR
[85] 2013-10-09
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[25] EN
[54] **SOAP DISPENSER HAVING FLUID LEVEL SENSOR**
[54] **DISTRIBUTEUR DE SAVON COMPORTANT UN CAPTEUR DE NIVEAU DE FLUIDE**
[72] BAYLEY, GRAEME S., US
[72] DYKOWSKI, RICHARD G., US
[72] KOHLWEY, KEVIN M., US
[72] RENNER, JASON M., US
[73] BRADLEY FIXTURES CORPORATION, US
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[54] **ARTICULATING CHEW TOY HAVING A NOISE MECHANISM**
[54] **JOUET A MACHER ARTICULE AYANT UN MECANISME DE BRUIT**
[72] AXELROD, GLEN S., US
[72] GAJRIA, AJAY, IN
[73] T.F.H. PUBLICATIONS, INC., US
[85] 2013-10-21
[86] 2012-04-27 (PCT/US2012/035357)
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[25] EN
[54] **YEAST STRAINS ENGINEERED TO PRODUCE ETHANOL FROM GLYCEROL**
[54] **SOUCHES DE LEVURES MODIFIEES POUR PRODUIRE DE L'ETHANOL A PARTIR DE GLYCEROL**
[72] DE BONT, JOHANNES ADRIANUS MARIA, NL
[72] TEUNISSEN, ALOYSIUS WILHELMUS RUDOLPHUS HUBERTUS, NL
[73] DSM IP ASSETS B.V., NL
[85] 2013-10-22
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[54] **SYSTEMS AND METHODS OF STIMULATION AND ACTIVATION OF FLUIDS FOR USE WITH INSTILLATION THERAPY**

[54] **SYSTEMES ET PROCEDES DE STIMULATION ET D'ACTIVATION DE FLUIDES DESTINES A ETRE UTILISES DANS UNE THERAPIE PAR INSTILLATION**

[72] ROBINSON, TIMOTHY, US

[72] LOCKE, CHRISTOPHER B., US

[72] COULTHARD, RICHARD, US

[73] KCI LICENSING, INC., US

[85] 2013-10-29

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[54] **SYSTEM AND METHOD USING A PRESSURE REDUCTION VALVE**

[54] **SYSTEME ET PROCEDE UTILISANT UN ROBINET REDUCTEUR DE PRESSION**

[72] MUSGRAVE, TIM, US

[72] SONZALA, FRANK, US

[72] HENNIG, KEVIN, US

[73] EQUALAIRE SYSTEMS, INC., US

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[13] C

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[72] HOTTER, ANDREAS, AT

[72] PICHLER, ARTHUR, AT

[73] SANDOZ AG, CH

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[54] **CHAMBRE ANNULAIRE DE COMBUSTION POUR UNE TURBOMACHINE**

[72] SANDELIS, DENIS JEAN MAURICE, FR

[72] HERNANDEZ, DIDIER HIPPOLYTE, FR

[73] SNECMA, FR

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[13] C

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[25] FR

[54] **DOMESTIC GARBAGE CONTAINER AND METHOD FOR DISINFECTING AND CLEANING SUCH A CONTAINER**

[54] **CONTENEUR D'ORDURES MENAGERES AINSI QUE LE PROCEDE DE DESINFECTION OU DE NETTOYAGE D'UN TEL CONTENEUR**

[72] PIROLLET, LAURENT, FR

[73] PIROLLET, LAURENT, FR

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[54] **OSTEOGENESIS PROMOTER**

[54] **PROMOTEUR D'OSTEOGENESE**

[72] TAKAYANAGI, HIROSHI, JP

[72] NEGISHI, TAKAKO, JP

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

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[54] **RAPID FLOTATION DEVICE FOR WATER LADEN WITH SUSPENDED MATTER, AND METHOD FOR IMPLEMENTING SAME**

[54] **DISPOSITIF DE FLOTTATION RAPIDE D'EAUX CHARGEES EN MATIERES EN SUSPENSION, ET PROCEDE DE MISE EN OEUVRE**

[72] LE QUESNE, FRANCOIS, FR

[72] VION, PATRICK, FR

[73] DEGREMONT, FR

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[54] **SYSTEM AND METHOD FOR ADMINISTERING TESTS**

[54] **SYSTEME ET PROCEDE POUR FAIRE PASSER UN EXAMEN**

[72] BERNARDIN, LAURENT, CA

[72] DEMARCO, PAUL, CA

[72] HUISKAMP, WILLIAM JOHN CALVIN, CA

[73] WATERLOO MAPLE INC., CA

[86] (2836968)

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[25] EN
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[54] **DERIVES DE (22E)-2-METHYLENE-26,27-CYCLO-22-DEHYDRO-1.ALPHA.-HYDROXY-19-NORVITAMINE D3**
[72] DELUCA, HECTOR, US
[72] BARYCKI, RAFAL, US
[72] PLUM, LORI, US
[72] CLAGETT-DAME, MARGARET, US
[73] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
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[13] C

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[25] EN
[54] **METHOD FOR PREPARING FATTY ACYL AMIDO CARBOXYLIC ACID BASED SURFACTANTS**
[54] **PROCEDE DE PREPARATION DE TENSIOACTIFS A BASE D'ACIDE CARBOXYLIQUE D'ACYLAMIDES GRAS**
[72] HARICHIAN, BIJAN, US
[72] AU, VAN, US
[72] AHTCHI-ALI, BADREDDINE, US
[72] WINTERS, JOHN ROBERT, US
[72] DIVONE, PETER ANTHONY, US
[73] UNILEVER PLC, GB
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[54] **METHODS FOR TREATING HCV**
[54] **PROCEDES PERMETTANT DE TRAITER LE VIRUS DE L'HEPATITE C (HCV)**
[72] RAY, ADRIAN S., US
[72] WATKINS, WILLIAM J., US
[72] LINK, JOHN O., US
[72] OLDACH, DAVID W., US
[72] DELANEY, WILLIAM E., IV, US
[73] GILEAD PHARMASSET LLC, US
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[13] C

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[25] EN
[54] **SYSTEMS, DIES, AND METHODS FOR PROCESSING PERICARDIAL TISSUE**
[54] **SYSTEMES, MATRICES ET PROCEDES POUR LE TRAITEMENT DE TISSU PERICARDIQUE**
[72] NGUYEN, OANH H., US
[72] JANKOVIC, IVAN, US
[72] NGUYEN-THIEN-NHON, DIANE, US
[72] VELEZ, JUAN CARLOS, US
[72] BOOMGARDEN, JON, US
[73] EDWARDS LIFESCIENCES CORPORATION, US
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[54] **LIQUEFACTEUR AVEC CHAMBRE DE LIQUEFACTION A PRESSION CONTROLEE**
[72] SAGER, RONALD, US
[72] DIEDERICHS, JOST, US
[73] QUANTUM DESIGN INTERNATIONAL, INC., US
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[25] EN
[54] **APPARATUS AND METHOD FOR BEAM LOCKING IN A WIRELESS COMMUNICATION SYSTEM**
[54] **APPAREIL ET PROCEDE DE VERROUILLAGE DE FAISCEAU DANS UN SYSTEME DE COMMUNICATION SANS FIL**
[72] CHANG, YOUNG-BIN, KR
[72] TAORI, RAKESH, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
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[54] **CROWD-SOURCED VIDEO RENDERING SYSTEM**
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[72] URBACH, JULIAN MICHAEL, US
[73] OTOY, INC., US
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[54] **ADHESIFS ET LEUR UTILISATION**
[72] THATCHER, JENNIFER, US
[72] HU, YUHONG, US
[72] DESAI, DARSHAK, US
[73] HENKEL IP & HOLDING GMBH, DE
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[30] US (61/515,013) 2011-08-04

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[54] **PAIRE DE MACHOIRES POUR L'ESTAMPAGE DE TROUS**
[72] FRENKEN, EGBERT, DE
[73] GUSTAV KLAUKE GMBH, DE
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[54] **METHOD AND APPARATUS FOR GENERATING 3D AUDIO POSITIONING USING DYNAMICALLY OPTIMIZED AUDIO 3D SPACE PERCEPTION CUES**
[54] **PROCEDE ET APPAREIL POUR GENERER UN POSITIONNEMENT AUDIO TRIDIMENSIONNEL A L'AIDE DE REPERES DE PERCEPTION D'ESPACE TRIDIMENSIONNEL AUDIO DYNAMIQUEMENT OPTIMISES**
[72] ANTONELLIS, DARCY, US
[72] GASPARRI, MASSIMILIANO, US
[72] OSTROVER, LEWIS S., US
[72] COLLAR, BRADLEY THOMAS, US
[73] WARNER BROS. ENTERTAINMENT INC., US
[85] 2014-02-03
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[54] **DISPOSITIF DE COMPRESSION**
[72] FRENKEN, EGBERT, DE
[73] GUSTAV KLAUKE GMBH, DE
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[86] 2012-08-03 (PCT/EP2012/065244)
[87] (WO2013/026681)
[30] DE (10 2011 052 852.0) 2011-08-19

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[13] C

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[25] EN
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[54] **ETRIER DE FREIN D'UN FREIN A DISQUE DESTINE A UN VEHICULE UTILITAIRE**
[72] GRUBER, MARKUS, DE
[72] PRITZ, WOLFGANG, DE
[72] MACK, MARTIN, DE
[73] KNORR-BREMSE SYSTEME FUR NUTZFAHRZEUGE GMBH, DE
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[25] EN
[54] **FSH RECEPTOR ANTAGONISTS**
[54] **ANTAGONISTES DU RECEPTEUR DE LA FSH**
[72] BLACKABY, WESLEY PETER, GB
[72] DE KORT, MARTIN, NL
[72] ENTHOVEN, MARK, NL
[72] HINCHLIFFE, PAUL STUART, GB
[72] POULIE, CHRISTIAN BERNARD MATTHIJS, NL
[72] TIMMERS, CORNELIS MARIUS, NL
[72] VERKAIK, SASKIA, NL
[73] MERCK SHARP & DOHME B.V., NL
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[54] **PROCESS OF PREPARING A SILOXANE COPOLYMER**
[54] **PROCEDE DE PREPARATION D'UN COPOLYMER DE SILOXANE**
[72] LI, LOK MING, US
[72] LIU, YIHAN, US
[72] ROGGOW, TIMOTHY, US
[72] SARRAZIN, MARIE-JOSE, BE
[72] SELLEY, DAVID, US
[72] STAMMER, ANDREAS, BE
[72] VANDORT, PAUL, US
[73] DOW SILICONES CORPORATION, US
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[25] EN
[54] **MEDICAL WASTE CONTAINERS AND LIDS THEREFORE**
[54] **CONTENANTS DE DECHETS MEDICAUX ET LEURS COUVERCLES**
[72] STARK, KENNETH O., US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2014-03-31
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[30] US (13/250,501) 2011-09-30

[11] **2,851,043**
[13] C

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[54] **SHEET PRODUCT DISPENSER**
[54] **DISTRIBUTEUR DE PRODUIT SOUS FORME DE FEUILLE**
[72] MARIETTA-TONDIN, JULIEN, FR
[72] CATTACIN, GILLES, FR
[72] STOEFFLER, YVES, FR
[73] ESSITY OPERATIONS FRANCE, FR
[85] 2014-04-03
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[30] EP (11010001.3) 2011-12-20

[11] **2,851,122**
[13] C

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[25] EN
[54] **FILTRATION TANK WITH SERIALY CONNECTED HORIZONTAL SCREENING DRUMS**
[54] **RESERVOIR DE FILTRAGE DOTE DE TAMBOURS DE FILTRAGE HORIZONTALS CONNECTES EN SERIE**
[72] BUGG, PETER, US
[73] OVIVO LUXEMBOURG S.A.R.L., LU
[85] 2014-02-19
[86] 2012-08-18 (PCT/US2012/051513)
[87] (WO2013/028583)
[30] US (13/213,603) 2011-08-19

[11] **2,851,417**
[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 ADAPTATEUR**
[72] RENSKI, WILLIAM J., US
[72] LAHOOD, JAMES ROBERT, US
[72] KOTTAKAPU, SUDHA, US
[72] CONGDON, THOMAS MARSHALL, US
[73] CATERPILLAR INC., US
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[86] 2012-10-05 (PCT/US2012/058997)
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[30] US (61/545,110) 2011-10-08
[30] US (13/644,493) 2012-10-04

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[13] C

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[25] EN
[54] **METHOD OF OPERATING REGENERATIVE HEATERS IN BLAST FURNACE PLANT**
[54] **PROCEDE DE FONCTIONNEMENT DE RECHAUFFEURS REGENERATIFS DANS UNE INSTALLATION DE HAUT FOURNEAU**
[72] ESCHMANN, FRIEDRICH, DE
[72] ALLMANNSDORFER, RALF, DE
[72] MUNZER, JOHANNES, DE
[72] HEILHECKER, SYLVIA, DE
[72] SIMOES, JEAN-PAUL, LU
[73] PAUL WURTH S.A., LU
[73] PAUL WURTH DEUTSCHLAND GMBH, DE
[85] 2014-04-10
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[87] (WO2013/056870)
[30] EP (11185842.9) 2011-10-19

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[25] EN
[54] **ORE REMOVAL PRODUCTION LINE, TWIN RAMPS AND GROUND SUPPORT INSTALLATION METHOD**
[54] **LIGNE DE PRODUCTION D'EXTRACTION DE MINERAL, RAMPES DOUBLES ET PROCEDE D'INSTALLATION DE SUPPORT DE SOL**
[72] MACINTYRE, DANIEL, CA
[72] GOLDE, PETER, BR
[72] VAN DER HOOFT, MICHAEL, CA
[73] VALE S.A., BR
[86] (2852096)
[87] (2852096)
[22] 2014-05-16
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[54] **TONER WITH IMPROVED FUSING PERFORMANCE**
[54] **ENCRE SECHE OFFRANT UN RENDEMENT DE FUSION AMELIORE**
[72] MANG, MARK E., US
[72] MORALES-TIRADO, JUAN A., US
[72] TRESS, TAB A., US
[72] MARCELL, KEVIN F., US
[72] ANDAYA, BRIAN J., US
[73] XEROX CORPORATION, US
[86] (2852400)
[87] (2852400)
[22] 2014-05-21
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[25] EN
[54] **METHODS AND SYSTEMS FOR SUBCUTANEOUS TREATMENTS**
[54] **PROCEDES ET SYSTEMES POUR DES TRAITEMENTS SOUS-CUTANES**
[72] ZARSKY, JAN, US
[72] SCHWARZ, TOMAS, CZ
[73] MEDICAL TECHNOLOGIES CZ, CZ
[85] 2014-04-23
[86] 2012-11-14 (PCT/US2012/064942)
[87] (WO2013/074576)
[30] US (13/297,608) 2011-11-16
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[51] **Int.Cl. C07D 249/14 (2006.01) A01N 43/653 (2006.01) C07D 257/06 (2006.01)**
[25] EN
[54] **5-PHENYL-SUBSTITUTED N-(TETRAZOL-5-YL) ARYL CARBOXYLIC ACID AMIDES AND N-(TRIAZOL-5-YL) ARYL CARBOXYLIC ACID AMIDES, AND USE THEREOF AS HERBICIDES**
[54] **AMIDES DES ACIDES N-(TETRAZOL-5-YL)- ET N-(TRIAZOL-5-YL)ARYLCARBOXYLIQUES A SUBSTITUTION 5-PHENYL ET LEUR UTILISATION COMME HERBICIDES**
[72] BRAUN, RALF, DE
[72] AHRENS, HARTMUT, DE
[72] VAN ALMSICK, ANDREAS, DE
[72] LEHR, STEFAN, DE
[72] HAUSER-HAHN, ISOLDE, DE
[72] DIETRICH, HANSJORG, DE
[72] GATZWEILER, ELMAR, DE
[72] HEINEMANN, INES, DE
[72] ROSINGER, CHRISTOPHER HUGH, DE
[73] BAYER INTELLECTUAL PROPERTY GMBH, DE
[85] 2014-04-30
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[25] EN
[54] **PREVENTING DOUBLE DIGIT DETECTION CAUSED BY IN-BAND DUAL-TONE MULTI-FREQUENCY SIGNALING**
[54] **PREVENTION DE LA DETECTION DE DOUBLE CHIFFRE CAUSEE PAR UN SIGNALEMENT MULTIFREQUENCE DOUBLE TON INTEGRE A LA BANDE**
[72] PRODANOVIC, RADOVAN, CA
[73] MITEL NETWORKS CORPORATION, CA
[86] (2856003)
[87] (2856003)
[22] 2014-07-07

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[51] **Int.Cl. F16L 33/03 (2006.01) B65D 63/16 (2006.01) F16L 33/035 (2006.01)**
[25] EN
[54] **ADJUSTABLE CLAMP USING STANDARDIZED TOOL**
[54] **PINCE AJUSTABLE COMPORTANT UN OUTIL STANDARDISE**
[72] ANDERSEN, JOHN L., US
[73] BUILDER'S BEST, INC., US
[86] (2857172)
[87] (2857172)
[22] 2014-07-17
[30] US (14/278.391) 2014-05-15

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[54] **DOOR DAMPING MECHANISM**
[54] **MECANISME D'AMORTISSEMENT POUR PORTES**
[72] WACH, RYAN ROBERT, US
[72] ROCHE, JOHN MICHAEL, US
[72] MADIREDDI, SESA, US
[72] KUNAPULI, RAGHUJIT, US
[73] ANTHONY, INC., US
[85] 2014-05-30
[86] 2012-10-17 (PCT/US2012/060644)
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[25] EN
[54] **SURFACING FILM FOR COMPOSITE STRUCTURES AND METHOD OF MAKING THE SAME**
[54] **FILM DE SURFACAGE POUR STRUCTURES COMPOSITES ET SON PROCEDE DE FABRICATION**
[72] SANG, JUNJIE JEFFREY, US
[72] KOHLI, DALIP KUMAR, US
[73] CYTEC TECHNOLOGY CORP., US
[85] 2014-06-06
[86] 2012-12-06 (PCT/US2012/068058)
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[25] EN

[54] **CABLE COMPRISING AN ELEMENT INDICATING WATER INFILTRATION AND METHOD USING SAID ELEMENT**

[54] **CABLE COMPRENANT UN ELEMENT INDIQUANT L'INFILTRATION D'EAU ET PROCEDE UTILISANT CET ELEMENT**

[72] PEREGO, GABRIELE, IT

[72] SICA, RODOLFO, IT

[73] PRYSMIAN S.P.A., IT

[85] 2014-06-16

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[11] **2,859,515**
[13] C

[51] **Int.Cl. B03C 11/00 (2006.01) B01D 17/06 (2006.01)**

[25] EN

[54] **ELECTROSTATIC COALESCER AND METHOD FOR ELECTROSTATIC COALESCENCE**

[54] **COALESCEUR ELECTROSTATIQUE ET PROCEDE DE COALESCENCE ELECTROSTATIQUE**

[72] TIENHAARAA, MIKA KRISTIAN SULEVI, NL

[72] LAMMERS, FREDERIK ALBERT, NL

[73] SULZER CHEMTECH AG, CH

[85] 2014-06-16

[86] 2013-01-02 (PCT/NL2013/050001)

[87] (WO2013/103299)

[30] NL (2008071) 2012-01-02

[11] **2,859,651**
[13] C

[51] **Int.Cl. A47B 57/32 (2006.01) A47B 47/00 (2006.01)**

[25] EN

[54] **STORAGE RACK, FLEXIBLE MOMENT FRAME FOR REDUCING SEISMIC DAMAGE TO STORED GOODS**

[54] **CADRE A MOMENT SOUPLE DE RATELIER DE STOCKAGE POUR REDUIRE DES DETERIORATIONS SISMIQUES SUR PRODUITS STOCKES**

[72] KIRBY, ANDREW L., US

[73] HANNIBAL INDUSTRIES, INC., US

[73] KIRBY, ANDREW L., US

[85] 2014-06-17

[86] 2012-05-31 (PCT/US2012/000261)

[87] (WO2013/095680)

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[25] EN

[54] **WELL PUMPING AND CONTROL SYSTEM**

[54] **SYSTEME DE POMPAGE ET DE COMMANDE DE PUIITS**

[72] LISK, MIKE, US

[73] LISK, MIKE, US

[85] 2014-06-17

[86] 2012-09-11 (PCT/US2012/054617)

[87] (WO2013/095723)

[30] US (13/334,803) 2011-12-22

[11] **2,860,487**
[13] C

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[25] EN

[54] **SERIALLY JOINTED MANIPULATOR ARM**

[54] **BRAS MANIPULATEUR ARTICULE EN SERIE**

[72] YEUNG, BENNY HON BUN, CA

[72] GREGORIS, DENNIS, CA

[72] BEDNARZ, BRONISLAW, CA

[72] GRAY, MICHAEL A., CA

[73] MAXAR TECHNOLOGIES LTD., CA

[86] (2860487)

[87] (2860487)

[22] 2007-06-14

[62] 2,655,431

[30] US (60/813,353) 2006-06-14

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[13] C

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[25] EN

[54] **FASTENERS**

[54] **ELEMENTS DE FIXATION**

[72] IMM, JULIAN ANDREW, GB

[73] IMPERIUS LIMITED, GB

[85] 2014-07-04

[86] 2013-01-07 (PCT/GB2013/050017)

[87] (WO2013/102769)

[30] GB (1200187.1) 2012-01-06

[11] **2,860,804**
[13] C

[51] **Int.Cl. H04N 19/18 (2014.01) H04N 19/129 (2014.01) H04N 19/13 (2014.01) H04N 19/14 (2014.01)**

[25] EN

[54] **THROUGHPUT IMPROVEMENT FOR CABAC COEFFICIENT LEVEL CODING**

[54] **AMELIORATION DU DEBIT POUR CODAGE PAR NIVEAU DE COEFFICIENTS CABAC**

[72] KARCZEWICZ, MARTA, US

[72] CHEN, JIANLE, US

[72] CHIEN, WEI-JUNG, US

[72] JOSHI, RAJAN LAXMAN, US

[73] QUALCOMM INCORPORATED, US

[85] 2014-07-08

[86] 2012-12-11 (PCT/US2012/068997)

[87] (WO2013/109357)

[30] US (61/587,624) 2012-01-17

[30] US (61/589,290) 2012-01-20

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[25] EN
[54] **POWER MANAGEMENT IN AN ACTIVITY MONITORING DEVICE**
[54] **GESTION DE L'ENERGIE DANS UN DISPOSITIF DE SUIVI D'UNE ACTIVITE**
[72] HENDERSON, KRISTOFER, US
[72] LAPINSKY, MICHAEL, US
[72] NOONE, MICHAEL, US
[72] LOWE, EDWARD S., JR., US
[72] ZIPPERER, JAMES, US
[73] NIKE INNOVATE C.V., US
[85] 2014-07-14
[86] 2013-01-18 (PCT/US2013/022219)
[87] (WO2013/109940)
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[11] **2,862,107**
[13] C

[51] **Int.Cl. A01K 61/13 (2017.01) A01K 61/60 (2017.01)**
[25] EN
[54] **DEVICE FOR FISH FARM CAGE**
[54] **DISPOSITIF POUR CAGE D'ELEVAGE DE POISSONS**
[72] ANGELL, SNORRE, NO
[72] MATHISEN, REMI, NO
[72] JOHANSEN, BJARNE, NO
[72] LARSEN, TROND, NO
[72] TANDE, KURT STEINAR, NO
[73] SALGARD AS, NO
[85] 2014-07-21
[86] 2013-02-12 (PCT/EP2013/052789)
[87] (WO2013/117773)
[30] NO (20120133) 2012-02-09

[11] **2,863,148**
[13] C

[51] **Int.Cl. A24F 47/00 (2006.01) A24B 15/16 (2006.01)**
[25] EN
[54] **SMOKING ARTICLE COMPRISING AN ISOLATED COMBUSTIBLE HEAT SOURCE**
[54] **ARTICLE A FUMER COMPRENANT UNE SOURCE DE CHALEUR COMBUSTIBLE ISOLEE**
[72] MIRONOV, OLEG, CH
[72] POGET, LAURENT EDOUARD, CH
[73] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2014-07-29
[86] 2013-02-12 (PCT/EP2013/052794)
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[30] EP (12155239.2) 2012-02-13

[11] **2,863,544**
[13] C

[51] **Int.Cl. A23L 2/52 (2006.01) A23L 2/38 (2006.01)**
[25] EN
[54] **BEVERAGE COMPOSITIONS CONTAINING NON-POLAR COMPOUNDS**
[54] **COMPOSITIONS DE BOISSON CONTENANT DES COMPOSES NON POLAIRES**
[72] BROMLEY, PHILIP J., US
[73] VIRUN, INC., US
[85] 2014-07-31
[86] 2013-02-08 (PCT/US2013/025445)
[87] (WO2013/120025)
[30] US (61/633,431) 2012-02-10
[30] US (61/743,466) 2012-09-04

[11] **2,863,583**
[13] C

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[25] EN
[54] **ACTUATOR SYSTEM AND METHOD**
[54] **SYSTEME D'ACTIONNEUR ET PROCEDE ASSOCIE**
[72] KOPP, JOHN, US
[72] SCHLEIFE, MATTHEW, US
[73] MOOG INC., US
[85] 2014-08-01
[86] 2012-02-09 (PCT/US2012/024558)
[87] (WO2013/119242)

[11] **2,865,275**
[13] C

[51] **Int.Cl. B01D 61/00 (2006.01)**
[25] EN
[54] **UNSTEADY-STATE GAS PERMEATION PROCESS**
[54] **PROCEDE PERMETTANT LA PERMEATION D'UN GAZ INSTABLE**
[72] FENG, XIANSHE, CA
[72] LAWLESS, DARREN F., CA
[73] IMTEX MEMBRANES CORP., CA
[85] 2014-08-22
[86] 2013-02-21 (PCT/CA2013/000149)
[87] (WO2013/123576)
[30] US (13/402,425) 2012-02-22

[11] **2,865,897**
[13] C

[51] **Int.Cl. B08B 9/28 (2006.01)**
[25] EN
[54] **CONTAINER RINSING SYSTEM AND METHOD USING IONIZED AIR AND OPTIONALLY VACUUM**
[54] **SYSTEME DE RINCAGE DE CONTENANT ET METHODE EMPLOYANT L'AIR IONISE ET FACULTATIVEMENT LE VIDE**
[72] WU, REI-YOUNG AMOS, US
[72] MASTIO, MICHAEL J., US
[73] STOKELY-VAN CAMP, INC., US
[85] 2014-08-27
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[30] US (13/417,944) 2012-03-12

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[25] EN
[54] **SYSTEM AND METHOD FOR TREATING BONE FRACTURES**
[54] **SYSTEME ET METHODE DE TRAITEMENT DE FRACTURES OSSEUSES**
[72] MEDOFF, ROBERT, US
[72] JUPITER, JESSE B., US
[73] TRIMED, INCORPORATED, US
[85] 2014-09-05
[86] 2012-12-19 (PCT/US2012/070649)
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[30] US (61/608,315) 2012-03-08

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[13] C

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[25] EN
[54] **METHOD AND SYSTEM FOR MANUFACTURING INSULATION BLOCK AND INSULATION BLOCK**
[54] **PROCEDE ET SYSTEME POUR FABRIQUER UN BLOC D'ISOLATION ET BLOC D'ISOLATION**
[72] NIEMINEN, HENRI, FI
[73] FINNFOAM OY, FI
[85] 2014-09-23
[86] 2013-04-11 (PCT/FI2013/050400)
[87] (WO2013/153285)
[30] FI (20125394) 2012-04-11

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[13] C

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[25] FR
[54] **IMPROVED MULTI-PLY PANEL**
[54] **PANNEAU MULTI-PLIS AMELIORE**
[72] BOURDON, LAURENT, FR
[72] FAURE, PASCAL, FR
[72] GOY, DIDIER, FR
[72] CHABRIER, CHRISTIAN, FR
[73] TECHNIWOOD INTERNATIONAL, FR
[85] 2014-10-03
[86] 2012-04-11 (PCT/FR2012/050781)
[87] (WO2013/150188)
[30] FR (12 53080) 2012-04-04

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[13] C

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[25] EN
[54] **DEVICE AND METHOD FOR CONVEYING LUMPY PRODUCTS**
[54] **DISPOSITIF ET PROCEDE DE TRANSPORT DE PRODUITS EN MORCEAUX**
[72] HAMMACHER, HEINZ-PETER, DE
[73] LOESCH VERPACKUNGSTECHNIK GMBH, DE
[85] 2014-10-14
[86] 2012-04-12 (PCT/EP2012/056702)
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[11] **2,870,842**
[13] C

[51] **Int.Cl. C01B 32/17 (2017.01) C01B 32/158 (2017.01) C01B 32/16 (2017.01) C12N 1/00 (2006.01)**
[25] EN
[54] **REMOVING CARBON NANOTUBES FROM A CONTINUOUS REACTOR EFFLUENT**
[54] **EVACUATION DE NANOTUBES EN CARBONE D'UN EFFLUENT DE REACTEUR CONTINU**
[72] DENTON, ROBERT D., US
[72] KOVEAL, RUSSELL J., JR., US
[72] NOYES, DALLAS B., US
[72] RING, TERRY A., US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[73] SOLID CARBON PRODUCTS LLC, US
[85] 2014-10-17
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[87] (WO2013/158440)
[30] US (61/625,671) 2012-04-18

[11] **2,870,895**
[13] C

[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **SAFETY SYRINGE AND NEEDLE SHIELD**
[54] **SERINGUE DE SECURITE ET PROTECTION D'AIGUILLE**
[72] ERICKSON, THOMAS E., US
[72] ERICKSON, JAMES J., US
[72] SAURO, THOMAS, US
[73] ULTIMED, INC., US
[85] 2014-10-17
[86] 2013-04-18 (PCT/US2013/037127)
[87] (WO2013/158852)
[30] US (13/451,212) 2012-04-19

[11] **2,871,151**
[13] C

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[25] EN
[54] **TREATMENT OF ADDICTION AND IMPULSE-CONTROL DISORDERS USING PDE7 INHIBITORS**
[54] **TRAITEMENT DE LA DEPENDANCE ET DES TROUBLES DU CONTROLE DES IMPULSIONS A L'AIDE D'INHIBITEURS DE PDE7**
[72] DEMOPULOS, GREGORY A., US
[72] GAITANARIS, GEORGE A., US
[72] CICCOCIOPPPO, ROBERTO, IT
[73] OMEROS CORPORATION, US
[85] 2014-10-21
[86] 2013-05-07 (PCT/US2013/039866)
[87] (WO2013/176877)
[30] US (61/643,611) 2012-05-07
[30] US (13/835,607) 2013-03-15

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[13] C
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[25] EN
[54] **SYSTEM AND METHOD TO GENERATE MOLECULAR FORMULA DISTRIBUTIONS BEYOND A PREDETERMINED THRESHOLD FOR A PETROLEUM STREAM**
[54] **SYSTEME ET METHODE POUR GENERER DES DISTRIBUTIONS DE FORMULE MOLECULAIRE AU-DELA D'UN SEUIL PREDEFINI POUR UN FLUX DE PETROLE**
[72] SAEGER, ROLAND B., US
[72] HE, KAIYUAN, US
[73] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2014-10-23
[86] 2013-05-17 (PCT/US2013/041494)
[87] (WO2013/180979)
[30] US (61/653,061) 2012-05-30

[11] **2,871,595**
[13] C
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[25] EN
[54] **FOAMED CEMENT COMPOSITIONS CONTAINING METAL SILICIDES USABLE IN SUBTERRANEAN WELL OPERATIONS**
[54] **COMPOSITIONS DE CIMENT MOUSSE CONTENANT DES SILICIURES METALLIQUES UTILISABLES DANS DES OPERATIONS DE Puits SOUTERRAIN**
[72] FALCONE, JAMES S., US
[72] KRUMRINE, PAUL H., US
[72] LEFENFELD, MICHAEL, US
[73] SIGMA CHEMISTRY, INC., US
[85] 2014-10-24
[86] 2012-06-14 (PCT/US2012/042477)
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[30] US (61/496,881) 2011-06-14

[11] **2,871,691**
[13] C
[51] **Int.Cl. B65D 1/02 (2006.01) B65D 41/16 (2006.01) B65D 51/16 (2006.01)**
[25] EN
[54] **CONTAINER WITH TWIST-OFF CLOSURE**
[54] **RECIPIENT AVEC FERMETURE A RUPTURE PAR TORSION**
[72] MCGIRR, LAURA JANE, GB
[72] NICHOLLS, ANNE ELIZABETH, GB
[72] RAMSEY, CHRISTOPHER PAUL, GB
[73] CROWN PACKAGING TECHNOLOGY, INC., US
[85] 2014-10-27
[86] 2013-05-03 (PCT/EP2013/059241)
[87] (WO2013/167483)
[30] EP (12167168.9) 2012-05-08

[11] **2,872,481**
[13] C
[51] **Int.Cl. H05B 33/08 (2006.01)**
[25] EN
[54] **DIMMABLE MULTICHANNEL DRIVER FOR SOLID STATE LIGHT SOURCES**
[54] **DISPOSITIF D'ATTAQUE A CANAUX MULTIPLES A GRADATION POUR SOURCES DE LUMIERE A SEMI-CONDUCTEURS**
[72] PUVANAKIJAKORN, VORAVIT, US
[72] HONJI, MASATOSHI, US
[72] MILLIEZ, ANNE JANET, US
[73] OSRAM SYLVANIA INC., US
[85] 2014-11-03
[86] 2013-05-03 (PCT/US2013/039371)
[87] (WO2013/166345)
[30] US (61/643,222) 2012-05-04
[30] US (13/799,885) 2013-03-13

[11] **2,875,982**
[13] C
[51] **Int.Cl. G01R 15/00 (2006.01) G01R 19/165 (2006.01) G01R 21/00 (2006.01) G01R 33/07 (2006.01)**
[25] EN
[54] **ELECTRICAL SENSOR WITH CONFIGURABLE SETTINGS**
[54] **CAPTEUR ELECTRIQUE A REGLAGES CONFIGURABLES**
[72] NGUYEN, HUY D., US
[72] BORDERS, ROGER, US
[73] NEILSEN-KULJIAN, INC., US
[85] 2014-12-04
[86] 2013-05-24 (PCT/US2013/042775)
[87] (WO2013/184421)
[30] US (13/492,752) 2012-06-08

[11] **2,876,248**
[13] C
[51] **Int.Cl. C01B 3/38 (2006.01) C10G 2/00 (2006.01)**
[25] EN
[54] **PROCESS FOR REFORMING HYDROCARBONS AND PROCESS FOR STARTING UP A GAS-TO-LIQUID PROCESS**
[54] **PROCEDE DE REFORMAGE D'HYDROCARBURES ET PROCEDE DE DEMARRAGE D'UN PROCEDE DE TRANSFORMATION DE GAZ EN LIQUIDE**
[72] DAHL, PER JUUL, DK
[73] HALDOR TOPSOE A/S, DK
[85] 2014-12-10
[86] 2013-05-21 (PCT/EP2013/060400)
[87] (WO2013/189681)
[30] EP (PCT/EP2012/061709) 2012-06-19

[11] **2,877,912**
[13] C
[51] **Int.Cl. B25B 29/00 (2006.01) B25H 3/00 (2006.01)**
[25] EN
[54] **RETROFIT SYSTEM FOR TETHERING A HAND TOOL**
[54] **SYSTEME DE RATTRAPAGE D'ATTACHE D'OUTIL A MAIN**
[72] MOREAU, DARRELL A., US
[72] MOREAU, ANDRE W., US
[73] MOREAU, DARRELL A., US
[73] MOREAU, ANDRE W., US
[85] 2014-12-23
[86] 2012-06-25 (PCT/US2012/043998)
[87] (WO2014/003708)

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[11] **2,878,150**
[13] C

[51] **Int.Cl. B29B 11/04 (2006.01) B29B 11/14 (2006.01) B65D 1/02 (2006.01)**
[25] EN
[54] **METHOD FOR THE FABRICATION OF A PREFORM, PREFORM AND CONTAINER**
[54] **PROCEDE DE FABRICATION D'UNE PREFORME, PREFORME ET RECEPTACLE**
[72] CERVENY, JEAN-PAUL, FR
[72] DABROWSKI, NICOLAS, FR
[72] DETROIS, CHRISTIAN, CH
[72] LAINE, EMMANUEL, FR
[72] LUPKE, ERIK, NL
[73] NESTEC S.A., CH
[85] 2014-12-30
[86] 2013-07-25 (PCT/EP2013/065729)
[87] (WO2014/019936)
[30] EP (12179128.9) 2012-08-03

[11] **2,878,373**
[13] C

[51] **Int.Cl. A61N 1/372 (2006.01) A61B 90/98 (2016.01) A61N 1/37 (2006.01) H04B 1/40 (2015.01)**
[25] EN
[54] **MEDICAL DEVICE IDENTIFIER**
[54] **IDENTIFICATEUR DE DISPOSITIF MEDICAL**
[72] HORTON, RODNEY P., US
[72] PEARCE, JOHN ANTHONY, US
[72] VALVANO, JONATHAN WALKER, US
[73] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[73] CARDIAC INNOVATION, LLC, US
[85] 2015-01-02
[86] 2013-07-16 (PCT/US2013/050604)
[87] (WO2014/014864)
[30] US (61/672,170) 2012-07-16
[30] US (13/942,465) 2013-07-15

[11] **2,879,309**
[13] C

[51] **Int.Cl. G06F 1/16 (2006.01)**
[25] EN
[54] **ELECTRONIC DEVICE HOUSING AND ASSEMBLY METHOD**
[54] **BOITIER DE DISPOSITIF ELECTRONIQUE ET PROCEDE D'ASSEMBLAGE**
[72] MATSUOKA, YOSHIMICHI, US
[73] GOOGLE LLC, US
[85] 2015-01-15
[86] 2013-07-12 (PCT/US2013/050262)
[87] (WO2014/014771)
[30] US (61/672,041) 2012-07-16
[30] US (13/793,560) 2013-03-11

[11] **2,879,399**
[13] C

[51] **Int.Cl. G01N 33/48 (2006.01) G01N 27/00 (2006.01) G01N 35/00 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR ENHANCED DETECTION AND IDENTIFICATION OF DISEASES**
[54] **DISPOSITIFS ET PROCEDES DE DETECTION ET D'IDENTIFICATION AMELIOREES DE MALADIES**
[72] YU, CHANG, CN
[72] DU, XUEDONG, CN
[73] SHANGHAI XINSHENPAI TECHNOLOGY CO., LTD., CN
[85] 2015-01-16
[86] 2013-07-16 (PCT/CN2013/000852)
[87] (WO2014/012356)
[30] US (61/672,231) 2012-07-16

[11] **2,879,418**
[13] C

[51] **Int.Cl. F01C 1/44 (2006.01) F04B 23/00 (2006.01)**
[25] EN
[54] **ROTARY EXPANSIBLE CHAMBER DEVICES HAVING ADJUSTABLE WORKING-FLUID PORTS, AND SYSTEMS INCORPORATING THE SAME**
[54] **DISPOSITIFS DE CHAMBRE EXPANSIBLE ROTATIVE AYANT DES ORIFICES DE FLUIDE DE TRAVAIL REGLABLES ET SYSTEMES LES COMPRENANT**
[72] FEUSTEL, AARON, US
[73] FEUSTEL, AARON, US
[85] 2015-01-15
[86] 2013-08-06 (PCT/US2013/053788)
[87] (WO2014/025778)
[30] US (61/680,970) 2012-08-08

[11] **2,881,681**
[13] C

[51] **Int.Cl. B65D 33/16 (2006.01) B31B 70/00 (2017.01) B31D 1/02 (2006.01) B32B 27/00 (2006.01) B65D 75/58 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING A SCORED FLEXIBLE STRUCTURE, AND METHOD FOR MAKING A FLEXIBLE PACKAGING STRUCTURE HAVING A BUILT-IN OPEN AND RECLOSE FEATURE**
[54] **PROCEDE POUR PREPARER UNE STRUCTURE SOUPLE ENTAILLEE, ET PROCEDE POUR REALISER UNE STRUCTURE D'EMBALLAGE SOUPLE AYANT UN ELEMENT D'OUVERTURE ET DE REFERMETURE INCORPORE**
[72] HUFFER, SCOTT W., US
[72] PETTIS, ROD, US
[73] SONOCO DEVELOPMENT, INC., US
[85] 2015-02-10
[86] 2013-08-29 (PCT/US2013/057363)
[87] (WO2014/039371)
[30] US (13/608,360) 2012-09-10

[11] **2,882,091**
[13] C

[51] **Int.Cl. D04H 1/72 (2012.01) D04H 1/4291 (2012.01) D04H 3/016 (2012.01)**
[25] EN
[54] **MELTBLOWN-SPUNBONDED-MELTBLOWN LAMINATED FABRIC**
[54] **TISSU STRATIFIE FABRIQUE PAR SOUFFLAGE A L'ETAT FONDU - FILAGE DIRECT - SOUFFLAGE A L'ETAT FONDU**
[72] WAHLQUIST, JOSEPH D., US
[72] HUSS, MICHAEL E., US
[72] HEERY, PATRICK T., US
[72] FIELD, JOHN P., US
[73] ROCKLINE INDUSTRIES, INC., US
[73] FIBER DYNAMICS, INC., US
[85] 2015-02-13
[86] 2013-07-31 (PCT/US2013/052819)
[87] (WO2014/028213)
[30] US (13/585,907) 2012-08-15

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[11] **2,882,238**
[13] C

[51] **Int.Cl. A61B 17/22 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **ELECTROHYDRAULIC LITHOTRIPSY PROBE AND ELECTRICAL SOURCE FOR AN ELECTROHYDRAULIC LITHOTRIPSY PROBE**
[54] **SONDE DE LITHOTRIPSIE ELECTROHYDRAULIQUE ET SOURCE ELECTRIQUE POUR SONDE DE LITHOTRIPSIE ELECTROHYDRAULIQUE**
[72] MANTELL, ROBERT, US
[72] CURTIS, CHIP, US
[72] SOBELEVSKY, MIKHAIL, US
[73] NORTHGATE TECHNOLOGIES INC., US
[85] 2015-02-17
[86] 2013-08-15 (PCT/IB2013/001784)
[87] (WO2014/027240)
[30] US (61/684,353) 2012-08-17
[30] US (13/800,686) 2013-03-13

[11] **2,882,246**
[13] C

[51] **Int.Cl. B07B 1/20 (2006.01) B01D 29/35 (2006.01) D21D 5/02 (2006.01)**
[25] EN
[54] **MULTI-ZONED SCREENING APPARATUS**
[54] **APPAREIL DE TAMISAGE A PLUSIEURS ZONES**
[72] LEE, CHIE YING, US
[72] KOHL, SCOTT DENNIS, US
[72] JIANMIN, REN, CN
[73] LEE TECH, LLC, US
[73] ICM, INC., US
[73] SUZHOU UNITED MACHINE CO., LTD., CN
[85] 2015-02-12
[86] 2013-08-13 (PCT/US2013/054695)
[87] (WO2014/028466)
[30] US (61/682,543) 2012-08-13

[11] **2,884,349**
[13] C

[51] **Int.Cl. A61K 8/49 (2006.01) A61K 8/22 (2006.01) A61K 8/38 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TEETH WHITENING**
[54] **COMPOSITIONS ET METHODES DE BLANCHIMENT DES DENTS**
[72] LOUPIS, NIKOLAOS, GR
[72] PIERGALLINI, REMIGIO, IT
[73] BAUSCH HEALTH COMPANIES INC., CA
[85] 2015-03-09
[86] 2013-09-04 (PCT/US2013/058102)
[87] (WO2014/042936)
[30] US (61/701,354) 2012-09-14

[11] **2,885,201**
[13] C

[51] **Int.Cl. C22C 38/06 (2006.01) B21B 3/00 (2006.01) C21D 8/02 (2006.01) C22C 38/04 (2006.01)**
[25] EN
[54] **STEEL SHEET FOR THREE-PIECE CAN AND METHOD FOR MANUFACTURING THE SAME**
[54] **FEUILLE D'ACIER POUR BOITE EN TROIS PARTIES ET PROCEDE DE FABRICATION ASSOCIE**
[72] SUTO, MIKITO, JP
[72] KOJIMA, KATSUMI, JP
[72] TADA, MASAKI, JP
[72] NAKAMARU, HIROKI, JP
[73] JFE STEEL CORPORATION, JP
[85] 2015-03-16
[86] 2013-11-06 (PCT/JP2013/006553)
[87] (WO2014/073205)
[30] JP (2012-245458) 2012-11-07

[11] **2,886,796**
[13] C

[51] **Int.Cl. C12Q 1/68 (2018.01) C12N 5/076 (2010.01) C12Q 1/6806 (2018.01) C12M 1/34 (2006.01) G01N 15/10 (2006.01)**
[25] EN
[54] **HIGH PRESSURE SPERM SORTING AND FLOW CYTOMETER METHODS**
[54] **PROCEDES DE TRI DE SPERME A HAUTE PRESSION ET DE CYTOMETRE DE FLUX**
[72] GILLIGAN, THOMAS BOYD, US
[72] EVANS, KENNETH MICHAEL, US
[72] LENZ, RICHARD, US
[72] GONZALEZ-MARIN, CLARA, US
[72] VISHWANATH, RAMAKRISHNAN, NZ
[73] INGURAN, LLC, US
[85] 2015-03-31
[86] 2013-10-03 (PCT/US2013/063286)
[87] (WO2014/055773)
[30] US (61/710,343) 2012-10-05
[30] US (PCT/US2013/028931) 2013-03-04
[30] US (PCT/US2013/028934) 2013-03-04

[11] **2,887,637**
[13] C

[51] **Int.Cl. C09K 8/46 (2006.01) C09K 8/50 (2006.01) E21B 33/13 (2006.01)**
[25] EN
[54] **METHODS FOR DETERMINING REACTIVE INDEX FOR CEMENTITIOUS COMPONENTS, ASSOCIATED COMPOSITIONS, AND METHODS OF USE**
[54] **PROCEDES DE DETERMINATION D'INDICE DE REACTION POUR DES CONSTITUANTS CIMENTERAIRES, COMPOSITIONS ASSOCIEES ET PROCEDES D'UTILISATION**
[72] MORGAN, RONNIE G., US
[72] BRENNEIS, D. CHAD, US
[72] RODDY, CRAIG W., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-04-08
[86] 2013-10-25 (PCT/US2013/066767)
[87] (WO2014/066734)
[30] US (13/662,155) 2012-10-26

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[11] **2,887,947**
[13] C

[51] **Int.Cl. G01N 21/15 (2006.01) G01N 21/85 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ULTRASONIC CAVITATION CLEANING IN LIQUID ANALYSIS SYSTEMS**
[54] **PROCEDE ET SYSTEME POUR NETTOYAGE PAR CAVITATION ULTRASONORE DANS DES SYSTEMES D'ANALYSE DE LIQUIDE**
[72] HENRIKSEN, ARNE, NO
[73] STATOIL PETROLEUM AS, NO
[85] 2015-04-10
[86] 2012-10-16 (PCT/EP2012/070486)
[87] (WO2014/060023)

[11] **2,889,090**
[13] C

[51] **Int.Cl. B61L 23/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF TRANSFORMING MOVEMENT AUTHORITY LIMITS**
[54] **SYSTEME ET PROCEDE DE TRANSFORMATION DE LIMITES D'AUTORITE DE MOUVEMENT**
[72] GRIMM, ANN K., US
[72] BURGART, PHILLIP A., US
[72] MOORE, JAMES H., US
[72] DREASHER, REBECCA W., US
[73] WABTEC HOLDING CORP., US
[85] 2015-04-20
[86] 2013-08-28 (PCT/US2013/056928)
[87] (WO2014/077929)
[30] US (13/675,336) 2012-11-13

[11] **2,892,183**
[13] C

[51] **Int.Cl. A61K 38/17 (2006.01) A61K 38/16 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ONCOLYTIC POLIOVIRUS FOR HUMAN TUMORS EXPRESSING NECTIN-LIKE PROTEIN 5**
[54] **POLIOVIRUS ONCOLYTIQUE POUR TUMEURS HUMAINES**
[72] GROMEIER, MATTHIAS, US
[72] SAMPSON, JOHN H., US
[72] BIGNER, DARELL D., US
[72] DESJARDINS, ANNICK, US
[72] FRIEDMAN, HENRY S., US
[73] DUKE UNIVERSITY, US
[85] 2015-05-21
[86] 2013-11-21 (PCT/US2013/071246)
[87] (WO2014/081937)
[30] US (61/729,021) 2012-11-21

[11] **2,893,871**
[13] C

[51] **Int.Cl. H01H 3/02 (2006.01) H01H 9/02 (2006.01)**
[25] FR
[54] **CONTROL SYSTEM INCLUDING A STATIONARY EMERGENCY STOP BUTTON AND A MOBILE EMERGENCY STOP BUTTON**
[54] **SYSTEME DE COMMANDE INCLUANT UN BOUTON D'ARRET D'URGENCE FIXE ET UN BOUTON D'ARRET D'URGENCE MOBILE**
[72] MEFTAH, TEWFIK, FR
[72] CHAUVET, FRANCIS, FR
[72] BENNI, DOMINIQUE, FR
[73] SCHNEIDER ELECTRIC INDUSTRIES SAS, FR
[85] 2015-06-04
[86] 2013-11-18 (PCT/EP2013/074028)
[87] (WO2014/095192)
[30] FR (1262400) 2012-12-20

[11] **2,894,525**
[13] C

[51] **Int.Cl. H01Q 1/04 (2006.01)**
[25] EN
[54] **PIVOTING UNDERWATER RFID ANTENNA ASSEMBLY**
[54] **ENSEMBLE ANTENNE RFID SOUS-MARIN ET PIVOTANT**
[72] PETERSON, N. PHIL, US
[72] MEIER, KYLE B., US
[73] WEST FORK ENVIRONMENTAL, INC., US
[85] 2015-06-09
[86] 2013-12-10 (PCT/US2013/074189)
[87] (WO2014/093381)
[30] US (61/735,819) 2012-12-11
[30] US (61/811,760) 2013-04-14
[30] US (13/925,597) 2013-06-24
[30] US (13/925,614) 2013-06-24

[11] **2,896,710**
[13] C

[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/27 (2006.01) A61K 31/33 (2006.01) A61K 31/505 (2006.01) A61K 31/63 (2006.01) A61K 47/30 (2006.01) A61P 31/18 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR TREATMENT OF HIV INFECTIONS**
[54] **COMPOSITION PHARMACEUTIQUE POUR TRAITER UNE INFECTION PAR LE VIH**
[72] PUNIYA, VIKRAM SINGKH, RU
[72] BATYUNIN, GENNADY ANDREEVICH, RU
[72] MALYKH, NATALYA YURIEVNA, RU
[73] OTKRYTOE AKTSIONERNOE OBSHCHESTVO "FARMASYNTEZ", RU
[73] PUNIYA, VIKRAM SINGKH, RU
[85] 2015-06-26
[86] 2013-09-19 (PCT/RU2013/000817)
[87] (WO2014/104929)
[30] RU (2012158141) 2012-12-29

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[11] **2,897,354**
[13] C

[51] **Int.Cl. B01D 71/76 (2006.01) B01D 63/02 (2006.01) B01D 67/00 (2006.01) B01D 69/08 (2006.01)**

[25] EN

[54] **A HOLLOW FIBER MODULE HAVING THIN FILM COMPOSITE- AQUAPORIN MODIFIED MEMBRANES**

[54] **MODULE A FIBRES CREUSES COMPRENANT DES MEMBRANES MODIFIEES PAR UNE AQUAPORINE EN COMPOSITE EN FILM MINCE**

[72] VOGEL, JOERG, DK

[72] GROTH, JESPER S, DK

[72] NIELSEN, KENT HOEIER, DK

[72] GESCHKE, OLIVER, DK

[73] AQUAPORIN A/S, DK

[85] 2015-07-07

[86] 2014-01-07 (PCT/IB2014/058096)

[87] (WO2014/108827)

[30] GB (1300465.0) 2013-01-11

[30] DK (PA 2013 00650) 2013-11-15

[11] **2,898,179**
[13] C

[51] **Int.Cl. B05B 7/24 (2006.01)**

[25] EN

[54] **VALVE AND FILTER SYSTEM FOR A GRAVITY FEED SPRAY CONTAINER**

[54] **SYSTEME DE VANNE ET DE FILTRE POUR UN RECIPIENT DE PULVERISATION A ALIMENTATION PAR GRAVITE**

[72] BIERIE, WILLIAM K., US

[73] CARLISLE FLUID TECHNOLOGIES, INC., US

[85] 2015-07-14

[86] 2014-01-08 (PCT/US2014/010730)

[87] (WO2014/116428)

[30] US (61/755,410) 2013-01-22

[30] US (14/146,617) 2014-01-02

[11] **2,898,802**
[13] C

[51] **Int.Cl. C09J 175/04 (2006.01)**

[25] EN

[54] **WATERPROOF SILANE- ENDCAPPED ADHESIVE MIXTURE**

[54] **MELANGE ADHESIF COIFFE EN EXTREMITE PAR SILANE, IMPERMEABLE A L'EAU**

[72] DICKENS, CARROLL BENFORD, US

[73] DICKENS, CARROLL BENFORD, US

[85] 2015-07-21

[86] 2013-02-01 (PCT/US2013/024314)

[87] (WO2013/116625)

[30] US (13/365,850) 2012-02-03

[11] **2,900,277**
[13] C

[51] **Int.Cl. B01J 19/18 (2006.01) B01J 19/10 (2006.01)**

[25] EN

[54] **BIOREACTOR USING ACOUSTIC STANDING WAVES**

[54] **BIOREACTEUR UTILISANT DES ONDES ACOUSTIQUES STATIONNAIRES**

[72] LIPKENS, BART, US

[72] MASI, LOUIS, US

[72] KOWALSKI, STANLEY, III, US

[72] PRESZ, WALTER M., JR., US

[72] DIONNE, JASON, US

[72] DUTRA, BRIAN, US

[72] KENNEDY, THOMAS, III, US

[72] MARTIN, ARTHUR, US

[72] MERCADO, ARI, US

[73] FLODESIGN SONICS, INC., US

[85] 2015-08-04

[86] 2014-02-07 (PCT/US2014/015382)

[87] (WO2014/124306)

[30] US (61/761,717) 2013-02-07

[30] US (13/844,754) 2013-03-15

[30] US (14/026,413) 2013-09-13

[11] **2,900,322**
[13] C

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **SOLID FORMS OF THE SELECTIVE CDK4/6 INHIBITOR COMPOUND ACETYL-8-CYCLOPENTYL-5-METHYL-2-(5-PIPERAZIN-1-YL-PYRIDIN-2-YLAMINO)-8H-PYRIDO[2,3-D]PYRIMIDIN-7-ONE**

[54] **FORMES SOLIDES DE COMPOSE D'ACETYLE -8-CYCLOPENTYL-5-METHYL -2-(5-P-PIPERAZIN-1-YL-PYRIDIN-2-YLAMINO)-8H-PYRIDO[2,3-D]PYRIMIDIN-7-ONE INHIBITEUR SELECTIF DE CDK4/6**

[72] CHEKAL, BRIAN PATRICK, US

[72] IDE, NATHAN D., US

[73] PFIZER INC., US

[85] 2015-07-29

[86] 2014-02-08 (PCT/IB2014/058865)

[87] (WO2014/128588)

[30] US (61/767,761) 2013-02-21

[11] **2,900,471**
[13] C

[51] **Int.Cl. E04G 21/32 (2006.01)**

[25] EN

[54] **SAFETY RAILING MOUNT FOR ROOF**

[54] **INSTALLATION DE RAIL DE SECURITE POUR TOIT**

[72] MARSHALL, RICHARD, CA

[73] MARSHALL, RICHARD, CA

[86] (2900471)

[87] (2900471)

[22] 2015-08-14

[11] ***2,900,838**
[13] C

[51] **Int.Cl. G06F 16/953 (2019.01) H04L 12/16 (2006.01)**

[25] EN

[54] **UNFAILING SELF-CORRECTING MODIFIED BOOLEAN SEARCH ENGINE**

[54] **MOTEUR DE RECHERCHE BOOLEEN MODIFIE AUTOCORRECTEUR A L'EPREUVE DES DEFAILLANCES**

[72] KAUFMANN, GARRY C., US

[73] KAUFMANN, GARRY C., US

[86] (2900838)

[87] (2900838)

[22] 2015-08-19

[30] US (14677879) 2015-04-02

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[11] **2,901,823**
[13] C

[51] **Int.Cl. C07C 45/85 (2006.01)**
[25] EN
[54] **PROCESS FOR REMOVING FORMALDEHYDE FROM A COMPOSITION COMPRISING GLYCOLALDEHYDE**
[54] **PROCEDE D'EXTRACTION DU FORMALDEHYDE D'UNE COMPOSITION RENFERMANT DU GLYCOLALDEHYDE**
[72] TAARNING, ESBEN, DK
[72] HOLM, MARTIN SPANGSBERG, GB
[73] HALDØR TOPSOE A/S, DK
[85] 2015-08-19
[86] 2014-02-25 (PCT/EP2014/053587)
[87] (WO2014/131743)
[30] EP (PCT/EP2013/053962) 2013-02-27
[30] DK (PA2013 70694) 2013-11-18

[11] **2,906,400**
[13] C

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[25] EN
[54] **REPAIR OF GAS TURBINE ENGINE COMPONENTS**
[54] **REPARATION D'ELEMENTS DE MOTEUR A TURBINE A GAZ**
[72] XU, RAYMOND RUIWEN, US
[72] BADER, JACQUE S., US
[72] MA, KONG, US
[73] ROLLS-ROYCE CORPORATION, US
[85] 2015-09-14
[86] 2013-12-19 (PCT/US2013/076670)
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[30] US (61/791,161) 2013-03-15

[11] **2,908,840**
[13] C

[51] **Int.Cl. B60N 2/38 (2006.01) B60N 2/39 (2006.01)**
[25] EN
[54] **SEAT SYSTEM FOR A VEHICLE**
[54] **SYSTEME DE SIEGE POUR UN VEHICULE**
[72] PARKER, ROBERT PRESTON, US
[72] KNOX, LAWRENCE D., US
[72] HEIN, TRAVIS LEE, US
[72] BROWN, STEVEN N., US
[72] SELDEN, BRIAN A., US
[73] CLEARMOTION ACQUISITION I LLC, US
[85] 2015-10-06
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[30] US (13/868,741) 2013-04-23

[11] **2,910,606**
[13] C

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[25] EN
[54] **CLASSIFIER**
[54] **CLASSIFICATEUR**
[72] GARDINER, MICHAEL, AU
[72] ORUPOLD, TAAVI, AU
[73] FLSMIDTH A/S, DK
[85] 2015-10-26
[86] 2013-05-01 (PCT/IB2013/053425)
[87] (WO2014/177911)

[11] **2,910,899**
[13] C

[51] **Int.Cl. H04L 1/20 (2006.01) H04L 12/26 (2006.01)**
[25] EN
[54] **METHOD FOR INDIRECT LINK CHARACTERIZATION AND QUALITY MEASUREMENT OF A DIGITAL NETWORK**
[54] **PROCEDE PERMETTANT UNE CARACTERISATION DE LIAISON INDIRECTE ET UNE MESURE DE QUALITE D'UN RESEAU NUMERIQUE**
[72] SCHRECKE, GREGORY SCOTT, US
[72] DAVIDSON, STEVEN ALAN, US
[72] KAHN, MATTHEW AARON, US
[72] WANG, MU-CHENG, US
[72] HENRY, MARK WARREN, US
[73] RAYTHEON COMPANY, US
[85] 2015-10-28
[86] 2014-04-30 (PCT/US2014/036113)
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[13] C

[51] **Int.Cl. G06F 9/46 (2006.01) G06F 9/52 (2006.01) G06F 15/16 (2006.01)**
[25] EN
[54] **DISTRIBUTED LOCK MANAGEMENT IN A CLOUD COMPUTING ENVIRONMENT**
[54] **GESTION DE VERROUS DISTRIBUES DANS UN ENVIRONNEMENT DE CLOUD COMPUTING**
[72] JENKINS, GEORGE OLIVER, US
[73] AMAZON TECHNOLOGIES, INC., US
[85] 2015-12-08
[86] 2014-06-10 (PCT/US2014/041724)
[87] (WO2014/201012)
[30] US (13/914,104) 2013-06-10

[11] **2,914,980**
[13] C

[51] **Int.Cl. C12Q 1/6897 (2018.01) C07K 14/47 (2006.01) C07K 14/71 (2006.01) C07K 19/00 (2006.01) C12N 15/62 (2006.01) C12N 15/85 (2006.01) C12Q 1/02 (2006.01) C12Q 1/68 (2018.01) G01N 33/53 (2006.01)**
[25] EN
[54] **DETECTION OF PROTEIN TO PROTEIN INTERACTIONS**
[54] **DETECTION D'INTERACTIONS PROTEINE-PROTEINE**
[72] STAGLJAR, IGOR, CA
[72] PETSCHNIGG, JULIA, GB
[72] GROISMAN, BELLA, CA
[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2015-12-10
[86] 2014-06-10 (PCT/CA2014/050539)
[87] (WO2014/197986)
[30] US (61/833,304) 2013-06-10

[11] **2,916,186**
[13] C

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[25] EN
[54] **FORCED MOISTURE EVACUATION FOR RAPID BAKING**
[54] **EVACUATION D'HUMIDITE FORCEE POUR CUISSON RAPIDE**
[72] DEMING, MATTHEW, US
[72] HALPIN, MARK E., US
[72] TRESSER, SARAH J., US
[73] MIDDLEBY MARSHALL HOLDING LLC D/B/A NUVU FOOD SERVICE SYSTEMS, US
[85] 2015-12-18
[86] 2014-03-10 (PCT/US2014/022272)
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[30] US (61/839,976) 2013-06-27
[30] US (14/173,273) 2014-02-05

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[13] C

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[25] EN
[54] **WASTEWATER LIFTING STATION**
[54] **STATION DE RELEVAGE D'EAUX USES**
[72] BECKER, MICHAEL, DE
[72] MULLER, ENRICO, DE
[73] KSB SE & CO. KGAA, DE
[85] 2016-01-05
[86] 2014-07-08 (PCT/EP2014/064583)
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[30] DE (10 2013 213 709.5) 2013-07-12

[11] **2,918,551**
[13] C

[51] **Int.Cl. H04L 12/16 (2006.01) H04L 9/32 (2006.01) H04L 12/24 (2006.01)**
[25] EN
[54] **TECHNIQUES TO AUTOMATICALLY SYNDICATE CONTENT OVER A NETWORK**
[54] **TECHNIQUES DE SYNDICATION AUTOMATIQUE DE CONTENU SUR UN RESEAU**
[72] STICH, CHRISTIAN E., US
[72] HOWELL, GARETH, US
[72] DAVIS, TRISTAN, US
[72] PARISH, DAN, US
[72] MEGIDDO, ERAN, US
[72] DER, SHERMAN, US
[72] RAMBHARACK, JEFF, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[86] (2918551)
[87] (2918551)
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[11] **2,919,912**
[13] C

[51] **Int.Cl. A47L 9/24 (2006.01)**
[25] EN
[54] **HOSE VALVE APPARATUS AND METHOD FOR RETRACTABLE HOSE VACUUM SYSTEMS**
[54] **APPAREILLAGE DE VALVE DE TUYAU ET METHODE DESTINEE A DES SYSTEMES D'ASPIRATEUR A TUYAU RETRACTABLE**
[72] DRIVSTUEN, ROD, US
[72] RAWLS, LEE, US
[73] HIDE-A-HOSE INC., US
[86] (2919912)
[87] (2919912)
[22] 2016-02-03
[30] US (62/238,058) 2015-10-06

[11] **2,919,923**
[13] C

[51] **Int.Cl. B60C 27/10 (2006.01)**
[25] EN
[54] **SELF-TIGHTENING SNOW CHAIN AND METHODS OF USE**
[54] **CHAINES ANTI-DERAPANTES A SERRAGE AUTOMATIQUE ET PROCEDES D'UTILISATION**
[72] STENER, LESTER, US
[72] MCCAULEY, JOHN J., US
[73] PEERLESS CHAIN COMPANY, US
[86] (2919923)
[87] (2919923)
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[11] **2,920,605**
[13] C

[51] **Int.Cl. C01B 32/05 (2017.01) C01B 32/00 (2017.01)**
[25] EN
[54] **CARBON MATERIAL PRODUCTION METHOD AND CARBON MATERIAL**
[54] **PROCEDE DE PRODUCTION DE MATIERE CARBONEE ET MATIERE CARBONEE**
[72] HAMAGUCHI, MAKI, JP
[72] WADA, SHOHEI, JP
[73] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP
[85] 2016-02-05
[86] 2014-09-09 (PCT/JP2014/073806)
[87] (WO2015/037583)
[30] JP (2013-188208) 2013-09-11

[11] **2,921,341**
[13] C

[51] **Int.Cl. A45C 13/26 (2006.01) A45C 13/28 (2006.01) A45C 15/00 (2006.01)**
[25] EN
[54] **PROTECTIVE WRAPS FOR PURSE HANDLES**
[54] **ENVELOPPES PROTECTRICES POUR POIGNEES DE SAC A MAIN**
[72] LEHTONEN, DONNA L.E., CA
[73] LEHTONEN, DONNA L.E., CA
[85] 2016-02-12
[86] 2014-02-23 (PCT/US2014/017872)
[87] (WO2014/168689)
[30] US (61/809,912) 2013-04-09
[30] US (13/947,983) 2013-07-22

[11] **2,921,350**
[13] C

[51] **Int.Cl. A61M 25/01 (2006.01) A61M 25/06 (2006.01) A61M 25/09 (2006.01)**
[25] EN
[54] **CATHETER INSERTION DEVICE**
[54] **DISPOSITIF D'INSERTION DE CATHETER**
[72] KORKUCH, CHRIS, US
[72] KUEHN, JEFFREY P., US
[72] PIEPRZYK, DREW, US
[73] TELEFLEX MEDICAL INCORPORATED, US
[85] 2016-02-12
[86] 2014-06-17 (PCT/US2014/042671)
[87] (WO2015/023358)
[30] US (61/865,944) 2013-08-14
[30] US (14/205,307) 2014-03-11

[11] **2,922,611**
[13] C

[51] **Int.Cl. A61F 11/00 (2006.01) A61F 11/04 (2006.01) G10L 21/06 (2013.01) H04R 25/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR GENERATION OF CUSTOMISED SENSORY STIMULUS**
[54] **PROCEDE ET SYSTEME DE GENERATION DE STIMULUS SENSORIELS PERSONNALISES**
[72] O'NEILL, ROSS, IE
[72] HAMILTON, CAROLINE, IE
[72] HUGHES, STEPHEN, IE
[73] NEUROMOD DEVICES LIMITED, IE
[85] 2016-02-26
[86] 2014-08-28 (PCT/EP2014/068256)
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[30] EP (13182487.2) 2013-08-30

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[13] C

[51] **Int.Cl. B32B 21/14 (2006.01) B32B 21/08 (2006.01) B32B 27/20 (2006.01) E04F 15/04 (2006.01) E04F 15/18 (2006.01)**

[25] EN

[54] **UNDERLAYMENT WITH IMPROVED VAPOR BARRIER**

[54] **SOUS-COUCHE A BARRIERE DE VAPEUR AMELIOREE**

[72] SENIOR, PAUL D., US

[73] GREENE REV LLC, US

[85] 2016-03-07

[86] 2014-10-29 (PCT/US2014/062898)

[87] (WO2015/066178)

[30] US (61/898,881) 2013-11-01

[30] US (14/449,184) 2014-08-01

[11] **2,923,870**
[13] C

[51] **Int.Cl. E21B 10/62 (2006.01)**

[25] EN

[54] **CUTTING STRUCTURES FOR FIXED CUTTER DRILL BIT AND OTHER DOWNHOLE CUTTING TOOLS**

[54] **STRUCTURES DE COUPE POUR TREPAN A ELEMENTS DE COUPE FIXES ET AUTRES OUTILS DE COUPE DE FOND**

[72] AZAR, MICHAEL G., US

[72] DURAIRAJAN, BALA, US

[72] KESHAVAN, MADAPUSI K., US

[73] SMITH INTERNATIONAL, INC., US

[86] (2923870)

[87] (2923870)

[22] 2012-02-10

[62] 2,827,116

[30] US (61/441,319) 2011-02-10

[30] US (61/499,851) 2011-06-22

[11] **2,924,694**
[13] C

[51] **Int.Cl. A61F 2/38 (2006.01)**

[25] EN

[54] **REVERSE KNEE PROSTHESIS**

[54] **PROTHESE INVERSEE DE GENOU**

[72] TERMANINI, ZAFER, US

[73] JOINT INNOVATION TECHNOLOGY, LLC, US

[85] 2016-03-17

[86] 2014-09-25 (PCT/US2014/057433)

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[30] US (61/883,226) 2013-09-27

[11] **2,924,732**
[13] C

[51] **Int.Cl. G05B 19/401 (2006.01) G01B 7/016 (2006.01) G01B 13/03 (2006.01) G01B 11/03 (2006.01) G01B 15/00 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR CHECKING POSITIONING ACCURACY OF A CNC MACHINE**

[54] **PROCEDE ET SYSTEME DESTINES A LA VERIFICATION DE LA PRECISION DE POSITIONNEMENT D'UNE MACHINE CNC**

[72] VESCO, MARIO, IT

[72] MORFINO, GIUSEPPE, IT

[73] FIDIA S.P.A., IT

[85] 2016-03-18

[86] 2015-02-25 (PCT/EP2015/053881)

[87] (WO2015/128343)

[30] EP (14156999.6) 2014-02-27

[11] **2,924,824**
[13] C

[51] **Int.Cl. A61M 25/10 (2013.01) A61M 29/02 (2006.01) B32B 1/08 (2006.01) B32B 27/08 (2006.01) B32B 27/34 (2006.01)**

[25] EN

[54] **HIGH PRESSURE TEAR RESISTANT BALLOON**

[54] **BALLOON HAUTE PRESSION RESISTANT A LA DECHIRURE**

[72] HORN, DANIEL, J., US

[72] KHIEU, AARON, US

[72] JOHNSON, JEFFRY, US

[72] O'FLYNN, PAUL, IE

[73] BOSTON SCIENTIFIC SCIMED, INC., US

[85] 2016-03-16

[86] 2013-10-24 (PCT/US2013/066600)

[87] (WO2015/057245)

[30] US (61/891,204) 2013-10-15

[11] **2,924,945**
[13] C

[51] **Int.Cl. G09F 3/02 (2006.01) G09F 3/10 (2006.01)**

[25] EN

[54] **LABEL FORM INCLUDING CONCEALABLE LABEL**

[54] **PAPIER D'ETIQUETTE COMPORTANT UNE ETIQUETTE DISSIMULABLE**

[72] VALENTI, F. PAUL, JR., US

[72] OPEL, CARL, US

[72] HEDGER, DANIEL, US

[73] CHICAGO TAG & LABEL, INC., US

[85] 2016-03-16

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[87] (WO2015/069539)

[30] US (14/071,794) 2013-11-05

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[13] C

[51] **Int.Cl. F16K 31/122 (2006.01) B60K 15/04 (2006.01) F16K 31/22 (2006.01) G05D 9/04 (2006.01)**

[25] EN

[54] **FULLY-INTEGRATED FLOW-CONTROL VALVE ASSEMBLY FOR TOP-FILLED FUEL TANKS**

[54] **DISPOSITIF REGULATEUR DE DEBIT INTEGRE DESTINE AUX RESERVOIRS DE CARBURANT A REMPLISSAGE PAR LE DESSUS**

[72] COOLEY, ROBERT CHARLES, US

[73] MACKEY, DEAN EDWARD, US

[85] 2016-03-24

[86] 2013-09-24 (PCT/US2013/000223)

[87] (WO2014/046709)

[30] US (61/705,136) 2012-09-24

[11] **2,926,292**
[13] C

[51] **Int.Cl. F16H 55/56 (2006.01)**

[25] EN

[54] **CVT DRIVE CLUTCH**

[54] **EMBRAYAGE D'ENTRAINEMENT DE TRANSMISSION A VARIATION CONTINUE**

[72] YUAN, JING, US

[72] KARPIK, GERARD, US

[72] SINGH, KANCHAN KUMAR, IN

[73] GATES CORPORATION, US

[85] 2016-04-04

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[30] US (14/056,444) 2013-10-17

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[13] C

[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/24 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **DEVICES, SYSTEMS AND METHODS FOR MEDICAMENT DELIVERY**
[54] **DISPOSITIFS, SYSTEMES ET PROCESSES POUR L'ADMINISTRATION DE MEDICAMENTS**
[72] EDWARDS, ERIC SHAWN, US
[72] EDWARDS, EVAN THOMAS, US
[72] LICATA, MARK J., US
[72] MEYERS, PAUL F., US
[73] KALEO, INC., US
[86] (2926365)
[87] (2926365)
[22] 2007-11-16
[62] 2,669,616
[30] US (11/562,061) 2006-11-21

[11] **2,926,512**
[13] C

[51] **Int.Cl. C07D 211/06 (2006.01)**
[25] EN
[54] **POLYMERIZABLE RESINS CONTAINING A 1,3,5-HEXAHYDRO-1,3,5-TRIAZINE MOIETY, METHODS OF MAKING, AND DENTAL COMPOSITIONS CONTAINING THE SAME**
[54] **RESINES POLYMERISABLES CONTENANT UNE FRACTION 1,3,5-HEXAHYDRO-1,3,5-TRIAZINE, PROCESSES DE PRODUCTION, ET COMPOSITIONS DENTAIRE LES CONTENANT**
[72] JIN, XIAOMING, US
[73] DENTSPLY INTERNATIONAL INC., US
[85] 2016-04-05
[86] 2014-10-30 (PCT/US2014/063026)
[87] (WO2015/066254)
[30] US (61/897,247) 2013-10-30

[11] **2,926,940**
[13] C

[51] **Int.Cl. C09D 7/44 (2018.01) C09D 7/65 (2018.01) C08L 1/26 (2006.01) C08L 25/18 (2006.01) C08L 33/14 (2006.01) C08L 39/04 (2006.01) C08L 43/02 (2006.01)**
[25] EN
[54] **HIGH EFFICIENCY RHEOLOGY MODIFIERS WITH CATIONIC COMPONENTS AND USE THEREOF**
[54] **MODIFICATEURS DE RHEOLOGIE A HAUTE EFFICACITE AVEC DES COMPOSANTS CATIONIQUES ET LEUR UTILISATION**
[72] BHARGAVA, PRACHUR, US
[72] POLITIS, JEFFREY K., US
[73] HERCULES LLC, US
[85] 2016-04-08
[86] 2014-10-03 (PCT/US2014/059079)
[87] (WO2015/054069)
[30] US (61/889,695) 2013-10-11

[11] **2,927,008**
[13] C

[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/24 (2006.01)**
[25] EN
[54] **A TRIGGER MECHANISM FOR A RESETTABLE AUTO-INJECTION DEVICE**
[54] **AUTO-INJECTEUR A GACHETTE PIVOTANTE**
[72] HOGDAHL, STEFAN, SE
[73] SHL MEDICAL AG, CH
[85] 2016-04-11
[86] 2014-10-22 (PCT/EP2014/072670)
[87] (WO2015/059201)
[30] SE (1351274-4) 2013-10-25

[11] **2,928,011**
[13] C

[51] **Int.Cl. A61L 27/18 (2006.01) A61L 2/16 (2006.01) A61L 27/50 (2006.01)**
[25] EN
[54] **SOFT ACRYLIC MATERIALS COMPRISING A POLY(PHENYLETHER)-CONTAINING MONOMER HAVING A HIGH REFRACTIVE INDEX AND MINIMIZED GLISTENING**
[54] **MATERIAUX ACRYLIQUES DOUX COMPORTANT UN MONOMERE RENFERMANT UN POLY(PHENYLETHER) AYANT UN INDICE DE REFRACTION ELEVE ET UN SCINTILLEMENT REDUIT**
[72] JIANG, XUWEI, US
[72] SCHLUETER, DOUGLAS, US
[72] LAREDO, WALTER, US
[73] NOVARTIS AG, CH
[85] 2016-04-18
[86] 2014-12-02 (PCT/US2014/068056)
[87] (WO2015/084788)
[30] US (61/911,547) 2013-12-04

[11] **2,928,919**
[13] C

[51] **Int.Cl. A61K 8/81 (2006.01) A61K 8/06 (2006.01) A61K 8/37 (2006.01) A61K 8/72 (2006.01) A61K 8/92 (2006.01) A61Q 9/02 (2006.01) B26B 21/44 (2006.01)**
[25] EN
[54] **SHAVE CARE COMPOSITIONS WITH OPTIMIZED VISCOSITY FOR USE IN A LIQUID DISPENSING RAZOR**
[54] **COMPOSITIONS DE SOINS DE RASAGE A VISCOSITE OPTIMISEE DESTINEES A UN RASOIR DISTRIBUANT UN LIQUIDE**
[72] COFFINDAFFER, TIMOTHY, US
[72] HEATH, BENJAMIN P., US
[72] KYTE, KENNETH E., US
[72] BAKES, KATHARINE A., US
[72] DEPUYDT, JOSEPH A., US
[73] THE GILLETTE COMPANY LLC, US
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[86] 2014-10-31 (PCT/US2014/063452)
[87] (WO2015/066486)
[30] US (61/898,870) 2013-11-01

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[11] **2,929,680**
[13] C

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[25] EN

[54] **LIQUID FUEL CPOX REFORMERS AND METHODS OF CPOX REFORMING**

[54] **REFORMEURS A CPOX DE COMBUSTIBLE LIQUIDE ET PROCEDES DE REFORMAGE A CPOX**

[72] FINNERTY, CAINE M., US
[72] DEWALD, PAUL, US
[73] WATT FUEL CELL CORP., US
[85] 2016-05-04
[86] 2014-11-05 (PCT/US2014/064101)
[87] (WO2015/069749)
[30] US (61/900,510) 2013-11-06

[11] **2,929,953**
[13] C

[51] **Int.Cl. G01J 3/50 (2006.01) G01J 3/46 (2006.01) G01N 21/47 (2006.01)**

[25] EN

[54] **FORMULATION OF COMPLEX COATING MIXTURES WITH EFFECT PIGMENTS**

[54] **FORMULATION DE MELANGES DE REVETEMENTS COMPLEXES AVEC PIGMENTS A EFFET**

[72] BELL, STEVE, GB
[72] HASKINGS, PHIL, GB
[73] PPG INDUSTRIES OHIO, INC., US
[85] 2016-05-06
[86] 2014-11-07 (PCT/US2014/064529)
[87] (WO2015/070005)
[30] US (14/073,976) 2013-11-07

[11] **2,930,077**
[13] C

[51] **Int.Cl. A61B 5/11 (2006.01) A61F 5/00 (2006.01) A61N 1/36 (2006.01)**

[25] EN

[54] **SENSOR DEVICE FOR GAIT MODULATION SYSTEM**

[54] **SYSTEME ET PROCEDE DE MODULATION DE DEMARCHE**

[72] DAR, AMIT, IL
[72] SHALEV, YOSSEF, IL
[72] BAR-OR, JONATHAN, IL
[72] NATHAN, ROGER, IL
[73] BIONESS NEUROMODULATION LTD., IL
[86] (2930077)
[87] (2930077)
[22] 2006-11-16
[62] 2,794,533
[30] US (60/736,858) 2005-11-16
[30] US (11/380,430) 2006-04-27
[30] US (11/552,997) 2006-10-26

[11] **2,931,099**
[13] C

[51] **Int.Cl. E21B 47/02 (2006.01) E21B 47/008 (2012.01) E21B 47/12 (2012.01)**

[25] EN

[54] **CLOSED-LOOP DRILLING PARAMETER CONTROL**

[54] **COMMANDE DE PARAMETRE DE FORAGE A BOUCLE FERMEE**

[72] HAY, RICHARD THOMAS, US
[72] WINSLOW, DANIEL, US
[72] DEOLALIKAR, NEELESH, US
[72] STRACHAN, MICHAEL, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-05-18
[86] 2013-12-20 (PCT/US2013/076802)
[87] (WO2015/094320)

[11] **2,932,595**
[13] C

[51] **Int.Cl. A61G 5/10 (2006.01)**

[25] EN

[54] **HANDLE DEVICE FOR FOLDABLE WHEELCHAIRS**

[54] **DISPOSITIF DE POIGNEE DESTINE AUX FAUTEUILS ROULANTS PLIANTS**

[72] HAIGH, JAMES H., US
[73] CENTICARE CORPORATION, US
[86] (2932595)
[87] (2932595)
[22] 2016-06-09
[30] US (62/173,536) 2015-06-10

[11] **2,932,853**
[13] C

[51] **Int.Cl. C10G 1/04 (2006.01)**

[25] EN

[54] **PROPANE PROCESS FOR PRODUCING CRUDE OIL AND BITUMEN PRODUCTS**

[54] **PROCEDE AU PROPANE DE PRODUCTION DE PETROLE BRUT ET DE PRODUITS DE BITUME**

[72] JORDAN, RICHARD D., US
[72] SCHLOSBERG, RICHARD H., US
[72] DIEFENTHAL, EDWARD L., US
[73] EPIC OIL EXTRACTORS, LLC, US
[85] 2016-06-03
[86] 2014-12-15 (PCT/US2014/070294)
[87] (WO2015/095022)
[30] US (14/135,435) 2013-12-19

[11] **2,933,000**
[13] C

[51] **Int.Cl. A61B 18/12 (2006.01) A61B 18/00 (2006.01) A61B 18/14 (2006.01)**

[25] EN

[54] **GAS SENSING SURGICAL DEVICE AND METHOD OF USE**

[54] **DISPOSITIF CHIRURGICAL DE DETECTION DE GAZ ET PROCEDE D'UTILISATION**

[72] DEUTSCHER, EDWARD MARTIN, US
[72] VASSALLO, FRANK ANTHONY, II, US
[73] SPARKOFF, LLC, US
[85] 2016-06-07
[86] 2013-12-09 (PCT/US2013/073831)
[87] (WO2015/088473)

[11] **2,933,448**
[13] C

[51] **Int.Cl. C22B 7/00 (2006.01) C22B 3/08 (2006.01) C22B 3/22 (2006.01) C22B 5/10 (2006.01) C22B 11/02 (2006.01)**

[25] EN

[54] **A PROCESS FOR EXTRACTING NOBLE METALS FROM ANODE SLIME**

[54] **UN PROCEDE D'EXTRACTION DE METAUX NOBLES PROVENANT DE BOUE ANODIQUE**

[72] ZHOU, SONGLIN, CN
[72] XIE, XIANGTIAN, CN
[73] YANGGU XIANGGUANG COPPER CO., LTD., CN
[86] (2933448)
[87] (2933448)
[22] 2016-06-17
[30] CN (201510816989.8) 2015-11-20

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[11] **2,933,709**
[13] C

[51] **Int.Cl. B32B 15/01 (2006.01) C22C 38/00 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/26 (2006.01) C22C 38/28 (2006.01) C22C 38/32 (2006.01) C22C 38/38 (2006.01)**

[25] EN

[54] **SHEET STEEL PRODUCT, A STEEL COMPONENT PRODUCED FROM SUCH A SHEET STEEL PRODUCT, AND BODY FOR A MOTOR VEHICLE**

[54] **PRODUIT PLAT EN ACIER, COMPOSANT EN ACIER REALISE A PARTIR D'UN TEL PRODUIT PLAT EN ACIER ET CARROSSERIE POUR VEHICULE AUTOMOBILE**

[72] BECKER, JENS-ULRIK, DE
[72] GERBER, THOMAS, DE
[72] MURA, JULIA, DE
[72] MYSLOWICKI, STEFAN, DE
[73] THYSSENKRUPP STEEL EUROPE AG, DE

[85] 2016-06-14
[86] 2014-12-19 (PCT/EP2014/003441)
[87] (WO2015/090608)
[30] EP (13199058.2) 2013-12-20

[11] **2,934,454**
[13] C

[51] **Int.Cl. C07D 417/14 (2006.01) A61K 31/4439 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **APOPTOSIS SIGNAL-REGULATING KINASE INHIBITORS**

[54] **INHIBITEURS DE LA KINASE REGULANT LE SIGNAL APOPTOTIQUE**

[72] NOTTE, GREGORY, US
[73] GILEAD SCIENCES, INC., US

[85] 2016-06-17
[86] 2014-12-15 (PCT/US2014/070362)
[87] (WO2015/095059)
[30] US (61/918,784) 2013-12-20

[11] **2,936,618**
[13] C

[51] **Int.Cl. A01G 9/26 (2006.01) F24S 40/20 (2018.01) A01G 9/14 (2006.01) E04D 13/00 (2006.01) F24H 9/20 (2006.01)**

[25] EN

[54] **SNOW MELTING SYSTEM AND METHOD FOR GREENHOUSE**

[54] **SYSTEME POUR FAIRE FONDRE LA NEIGE ET PROCEDE POUR SERRE**

[72] HAGE, MOHAMED, CA
[72] RATHMELL, LAUREN, CA
[73] LUF A FARMS, INC., CA

[85] 2016-07-12
[86] 2015-01-19 (PCT/CA2015/050034)
[87] (WO2015/106359)
[30] US (61/928,495) 2014-01-17

[11] **2,936,819**
[13] C

[51] **Int.Cl. B66B 1/24 (2006.01) B66B 1/18 (2006.01)**

[25] EN

[54] **METHOD FOR OPERATING AN ELEVATOR SYSTEM**

[54] **PROCEDE POUR FAIRE FONCTIONNER UN SYSTEME D'ASCENSEUR**

[72] JETTER, MARKUS, DE
[72] GERSTENMEYER, STEFAN, DE
[73] THYSSENKRUPP ELEVATOR AG, DE

[85] 2016-07-14
[86] 2015-01-29 (PCT/EP2015/000167)
[87] (WO2015/113764)
[30] DE (10 2014 201 804.8) 2014-01-31

[11] **2,936,832**
[13] C

[51] **Int.Cl. B29C 49/04 (2006.01) B29C 49/24 (2006.01)**

[25] EN

[54] **CONTAINER FORMED OF A ONE-PIECE DISTORTION PRINTED THERMOPLASTIC SUBSTRATE**

[54] **RECIPIENT FORME D'UN SUBSTRAT THERMOPLASTIQUE IMPRIME EN DISTORSION EN UNE PIECE**

[72] ETESSE, PATRICK JEAN-FRANCOIS, BE
[73] SERAC GROUP, FR

[85] 2016-07-13
[86] 2015-01-23 (PCT/US2015/012559)
[87] (WO2015/112781)
[30] US (61/930,621) 2014-01-23

[11] **2,939,438**
[13] C

[51] **Int.Cl. A47G 19/22 (2006.01) A45F 3/16 (2006.01) A47G 21/18 (2006.01) B65D 47/06 (2006.01) B65D 47/20 (2006.01) B65D 51/24 (2006.01)**

[25] EN

[54] **INFANT TRAINER CUP WITH SIDES HAVING ZONES OF COMPRESSION**

[54] **TASSE D'ENTRAINEMENT POUR JEUNE ENFANT DOTEE DE COTES COMPORTANT DES ZONES DE COMPRESSION**

[72] VALDERRAMA, VINCENT, US
[72] NAFT, STUART, US
[73] EDGEWELL PERSONAL CARE CANADA, ULC, CA

[86] (2939438)
[87] (2939438)
[22] 2011-05-24
[62] 2,800,349
[30] US (61/347,726) 2010-05-24
[30] US (13/011,149) 2011-01-21

[11] **2,939,798**
[13] C

[51] **Int.Cl. A61C 1/00 (2006.01) A61B 5/00 (2006.01) H04B 13/00 (2006.01)**

[25] EN

[54] **DENTAL SYSTEM**

[54] **SYSTEME A USAGE DENTAIRE**

[72] SCHROCK, RAINER, AT
[72] TANNEBAUM, WOLFGANG, DE
[73] W & H DENTALWERK BURMOOS GMBH, AT

[85] 2016-08-16
[86] 2015-03-06 (PCT/EP2015/054692)
[87] (WO2015/132369)
[30] EP (14157978.9) 2014-03-06

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[11] **2,940,517**
[13] C

[51] **Int.Cl. C09K 8/03 (2006.01) E21B 43/22 (2006.01)**
[25] EN
[54] **WELL TREATMENT METHODS AND FLUIDS**
[54] **PROCEDES ET FLUIDES DE TRAITEMENT DE PUIITS**
[72] QU, QI, US
[72] LI, LEIMING, US
[72] SUN, HONG, US
[72] LEGEMAH, MAGNUS, US
[72] ZHOU, JIA, US
[73] BAKER HUGHES INCORPORATED, US
[85] 2016-08-23
[86] 2015-02-10 (PCT/US2015/015251)
[87] (WO2015/126676)
[30] US (14/187,544) 2014-02-24

[11] **2,941,566**
[13] C

[51] **Int.Cl. H04W 40/22 (2009.01) H04W 12/02 (2009.01) H04W 80/10 (2009.01) H04W 84/18 (2009.01)**
[25] EN
[54] **AN ENVIRONMENT CONTROL DEVICE PROVIDING A WI-FI HOTSPOT FOR ACCESSING THE INTERNET**
[54] **UN DISPOSITIF DE CONTROLE DE L'ENVIRONNEMENT FOURNISSANT UN POINT CHAUD WI-FI D'ACCES A INTERNET**
[72] GERVAIS, FRANCOIS, CA
[72] BRETON, DANNY, CA
[72] OUELLET, FRANCOIS, CA
[73] DISTECH CONTROLS INC., CA
[86] (2941566)
[87] (2941566)
[22] 2016-08-31
[30] US (14/845,413) 2015-09-04

[11] **2,941,938**
[13] C

[51] **Int.Cl. E21B 4/02 (2006.01) E21B 47/12 (2012.01)**
[25] EN
[54] **MEASURING MICRO STALLS AND STICK SLIPS IN MUD MOTORS USING FIBER OPTIC SENSORS**
[54] **MESURE DE MICRO-DECROCHAGES ET DE GLISSEMENTS SACCADÉS DANS DES MOTEURS A BOUE A L'AIDE DE CAPTEURS A FIBRES OPTIQUES**
[72] PARK, STEVEN, CA
[72] PUROHIT, ANKIT, SG
[72] GAJJI, BHARGAV, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-09-07
[86] 2014-06-27 (PCT/US2014/044665)
[87] (WO2015/199730)

[11] **2,942,438**
[13] C

[51] **Int.Cl. F16F 9/53 (2006.01) B60N 2/24 (2006.01) B60N 2/42 (2006.01) B60N 2/427 (2006.01)**
[25] EN
[54] **ASSEMBLY FOR ENERGY ABSORPTION IN AN OVERLOAD EVENT**
[54] **ENSEMBLE D'ABSORPTION D'ENERGIE LORS D'UN EVENEMENT DE SURCHARGE**
[72] BATTLOGG, STEFAN, AT
[72] POSEL, JURGEN, AT
[73] GENERAL DYNAMICS EUROPEAN LAND SYSTEMS-MOWAG GMBH, CH
[85] 2016-09-12
[86] 2015-03-13 (PCT/EP2015/055372)
[87] (WO2015/136109)
[30] DE (10 2014 103 455.4) 2014-03-13

[11] **2,943,757**
[13] C

[51] **Int.Cl. A47L 9/00 (2006.01)**
[25] EN
[54] **VACUUM CLEANER**
[54] **ASPIRATEUR**
[72] FORDING, JAY, US
[72] GONZALEZ, EDUARDO, US
[72] MCDERMOTT, MICHAEL, US
[72] REYNOLDS, CLAUDE E., JR., US
[72] TOWNSEND, JAMES, US
[72] DEVINE, TREVOR N., US
[72] GERSTEIN, STEVEN P., US
[72] FRY, KEVIN D., US
[73] LOWE'S COMPANIES, INC., US
[86] (2943757)
[87] (2943757)
[22] 2016-09-30
[30] US (14/870,851) 2015-09-30

[11] **2,944,394**
[13] C

[51] **Int.Cl. C09D 5/02 (2006.01) C09D 133/24 (2006.01)**
[25] EN
[54] **WATERBORNE ACRYLIC COATING COMPOSITIONS**
[54] **COMPOSITIONS AQUEUSES DE REVETEMENT ACRYLIQUE**
[72] SWARUP, SHANTI, US
[72] BALLIET, COURTNEY L., US
[72] HALL, DERRARD, AU
[72] SCHWENDEMAN, IRINA G., US
[72] SCHWENDEMAN, JOHN E., US
[73] PPG INDUSTRIES OHIO, INC., US
[85] 2016-09-28
[86] 2015-03-27 (PCT/US2015/022991)
[87] (WO2015/153341)
[30] US (14/230,347) 2014-03-31

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[11] **2,944,749**
[13] C

[51] **Int.Cl. C08F 283/01 (2006.01) C09D 151/08 (2006.01)**
[25] EN
[54] **BRANCHED POLYESTER POLYMERS AND SOFT TOUCH COATINGS COMPRISING THE SAME**
[54] **POLYMERES DE POLYESTER RAMIFIES ET REVETEMENTS A TOUCHER DOUX COMPRENANT CEUX-CI**
[72] GAO, RENLONG, US
[72] SCHWENDEMAN, IRINA G., US
[72] SINGER, DEBRA L., US
[73] PPG INDUSTRIES OHIO, INC., US
[85] 2016-10-03
[86] 2015-04-02 (PCT/US2015/024012)
[87] (WO2015/153844)
[30] US (14/245,399) 2014-04-04

[11] **2,945,415**
[13] C

[51] **Int.Cl. F01K 11/02 (2006.01) F01D 15/10 (2006.01) F03G 6/06 (2006.01) F03G 7/00 (2006.01)**
[25] EN
[54] **OPTIMIZED INTEGRATED SYSTEM FOR SOLAR-BIOMASS HYBRID ELECTRICITY GENERATION**
[54] **SYSTEME INTEGRE OPTIMISE POUR PRODUCTION D'ELECTRICITE HYBRIDE SOLAIRE-BIOMASSE**
[72] CHEN, YILONG, CN
[72] ZHANG, YANFENG, CN
[72] LIU, WENYAN, CN
[73] WUHAN KAIDI ENGINEERING TECHNOLOGY RESEARCH INSTITUTE CO., LTD., CN
[85] 2016-10-11
[86] 2015-02-06 (PCT/CN2015/072398)
[87] (WO2015/154585)
[30] CN (201410144032.9) 2014-04-11

[11] **2,946,496**
[13] C

[51] **Int.Cl. E04F 15/18 (2006.01) E04F 15/02 (2006.01) E04F 15/22 (2006.01) E04G 21/00 (2006.01)**
[25] EN
[54] **SUPPORT PLATE SYSTEM FOR ELEVATED FLOORING TILES**
[54] **DISPOSITIF DE PLAQUE D'APPUI DESTINE A DES CARREAUX A PLANCHER SURELEVES**
[72] KUGLER, WILLIAM E., US
[72] KNIGHT, STEPHEN J., III, US
[73] UNITED CONSTRUCTION PRODUCTS, INC., US
[86] (2946496)
[87] (2946496)
[22] 2016-10-26
[30] US (14/941,145) 2015-11-13
[30] US (15/267,326) 2016-09-16

[11] **2,946,562**
[13] C

[51] **Int.Cl. A61J 1/20 (2006.01)**
[25] EN
[54] **SYSTEM WITH ADAPTER FOR CLOSED TRANSFER OF FLUIDS**
[54] **SYSTEME AVEC ADAPTEUR POUR TRANSFERT DE FLUIDES EN CIRCUIT FERME**
[72] MARICI, PAUL PAIA, US
[72] YEMANE-TEKESTE, GIRUM, US
[73] BECTON DICKINSON AND COMPANY LIMITED, IE
[85] 2016-10-20
[86] 2015-04-21 (PCT/US2015/026892)
[87] (WO2015/164385)
[30] US (61/982,039) 2014-04-21

[11] **2,947,664**
[13] C

[51] **Int.Cl. B05D 5/00 (2006.01) D21H 19/38 (2006.01) D21H 19/72 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING A SURFACE-MODIFIED MATERIAL**
[54] **PROCEDE DE PREPARATION D'UN MATERIAU A SURFACE MODIFIEE**
[72] BOLLSTROM, ROGER, CH
[72] SCHOELKOPF, JOACHIM, CH
[72] GANE, PATRICK A. C., CH
[73] OMYA INTERNATIONAL AG, CH
[85] 2016-11-01
[86] 2015-05-21 (PCT/EP2015/061315)
[87] (WO2015/181056)
[30] EP (14169922.3) 2014-05-26
[30] US (62/017,373) 2014-06-26

[11] **2,947,862**
[13] C

[51] **Int.Cl. G01M 99/00 (2011.01) F24F 11/49 (2018.01) F24F 11/52 (2018.01) A62C 2/12 (2006.01) F24F 13/10 (2006.01)**
[25] EN
[54] **INSPECTION SYSTEM AND METHOD FOR HVAC UNITS**
[54] **SYSTEME ET METHODE D'INSPECTION DE MODULES CVCA**
[72] WILSON, JOHN, US
[73] MESTEK, INC., US
[86] (2947862)
[87] (2947862)
[22] 2016-11-04
[30] US (62/251,861) 2015-11-06

[11] **2,948,780**
[13] C

[51] **Int.Cl. E21B 10/00 (2006.01) B23P 6/00 (2006.01) E21B 12/00 (2006.01)**
[25] EN
[54] **MOBILE OILFIELD TOOL SERVICE CENTER**
[54] **CENTRE D'ENTRETIEN D'OUTIL DE CHAMP PETROLIER MOBILE**
[72] MORRELL, CHRISTOPHER LEE, US
[72] MORAN, CHRISTOPHER R., US
[72] JACKSON, RANDAL SCOTT, US
[72] OBERHOFF, DALE WADE, SR., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-11-10
[86] 2014-07-14 (PCT/US2014/046504)
[87] (WO2016/010511)

[11] **2,948,885**
[13] C

[51] **Int.Cl. B65D 1/42 (2006.01) B65D 1/02 (2006.01) B65D 23/08 (2006.01)**
[25] EN
[54] **FACETED CONTAINER**
[54] **RECIPIENT A FACETTES**
[72] TAKIEDDINE, RAMZI, US
[72] BERLEPSCH, JOSEPH ALLEN, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2016-11-10
[86] 2015-06-03 (PCT/US2015/033868)
[87] (WO2015/187759)
[30] US (62/008,740) 2014-06-06

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[11] **2,949,146**
[13] C

[51] **Int.Cl. B01D 53/48 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SULFUR RECOVERY**
[54] **PROCEDE ET APPAREIL POUR LA RECUPERATION DE SOUFRE**
[72] NASATO, ELMO, CA
[73] WORLEYPARSONS EUROPE LTD., GB
[85] 2016-11-15
[86] 2015-05-19 (PCT/CA2015/050447)
[87] (WO2015/176180)
[30] US (62/000,845) 2014-05-20

[11] **2,949,337**
[13] C

[51] **Int.Cl. A61K 47/59 (2017.01)**
[25] EN
[54] **BIODEGRADABLE POLYMER - BIOACTIVE MOIETY CONJUGATES**
[54] **CONJUGUES POLYMERES BIODEGRADABLE - FRACTIONS BIOACTIVES**
[72] O'SHEA, MICHAEL SHANE, AU
[72] GRAICHEN, FLORIAN HANS MAXIMILLIAN, AU
[72] TAIT, RUSSELL JOHN, AU
[72] TAING, HENG CHY, AU
[72] JEFFERY, JUSTINE LEIGH, AU
[73] POLYACTIVA PTY LTD, AU
[86] (2949337)
[87] (2949337)
[22] 2009-10-09
[62] 2,739,078
[30] AU (2008905263) 2008-10-10

[11] **2,949,745**
[13] C

[51] **Int.Cl. G01N 1/28 (2006.01)**
[25] EN
[54] **DENSITY PHASE SEPARATION DEVICE**
[54] **DISPOSITIF DE SEPARATION DE PHASES PAR DENSITE**
[72] CRAWFORD, JAMIESON W., US
[72] ATTRI, RAVI, US
[72] BATTLES, CHRISTOPHER A., US
[72] HIRES, GREGORY R., US
[72] BARTFELD, BENJAMIN, US
[73] BECTON, DICKINSON AND COMPANY, US
[86] (2949745)
[87] (2949745)
[22] 2010-05-14
[62] 2,762,131
[30] US (61/178,599) 2009-05-15

[11] **2,949,839**
[13] C

[51] **Int.Cl. G06F 1/20 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **MODULAR DATA CENTER ROW INFRASTRUCTURE**
[54] **INFRASTRUCTURE DE RANGEES DE CENTRE INFORMATIQUE MODULAIRE**
[72] ROSS, PETER GEORGE, US
[72] PHILLIPS, MATTHEW THOMAS, US
[72] GILLOOLY, ALAN DONALD, US
[72] CHURNOCK, PAUL ANDREW, US
[73] AMAZON TECHNOLOGIES, INC., US
[85] 2016-11-21
[86] 2015-05-22 (PCT/US2015/032267)
[87] (WO2015/179818)
[30] US (14/285,498) 2014-05-22

[11] **2,950,072**
[13] C

[51] **Int.Cl. C07D 207/16 (2006.01) A61K 31/454 (2006.01) A61K 31/4545 (2006.01) A61K 31/496 (2006.01) A61K 31/501 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) A61P 1/04 (2006.01) A61P 1/16 (2006.01) A61P 7/00 (2006.01) A61P 9/00 (2006.01) A61P 9/10 (2006.01) A61P 13/12 (2006.01) A61P 17/00 (2006.01) A61P 17/06 (2006.01) A61P 19/02 (2006.01) A61P 19/04 (2006.01) A61P 19/06 (2006.01) A61P 25/00 (2006.01) A61P 27/02 (2006.01) A61P 29/00 (2006.01) A61P 31/04 (2006.01) A61P 31/18 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) A61P 37/06 (2006.01) A61P 43/00 (2006.01) C07D 401/06 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 403/06 (2006.01) C07D 403/14 (2006.01) C07D 405/14 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **NOVEL PYRROLIDINE COMPOUND AND APPLICATION AS MELANOCORTIN RECEPTOR AGONIST**
[54] **NOUVEAU COMPOSE PYRROLIDINE ET APPLICATION EN TANT QU'AGONISTE DU RECEPTEUR DE LA MELANOCORTINE**
[72] YAMAMOTO, YASUO, JP
[72] SATO, ATSUSHI, JP
[72] MOROKUMA, KENJI, JP
[72] SHITAMA, HIROAKI, JP
[72] ADACHI, TAKASHI, JP
[72] MIYASHIRO, MASAHICO, JP
[73] MITSUBISHI TANABE PHARMA CORPORATION, JP
[85] 2016-11-23
[86] 2015-05-28 (PCT/JP2015/065469)
[87] (WO2015/182723)
[30] JP (2014-111378) 2014-05-29

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[11] **2,950,248**
[13] C

[51] **Int.Cl. F01D 25/18 (2006.01) F01D 25/16 (2006.01) F02C 7/06 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE BEARING SUMP**
[54] **PUISARD DE ROULEMENT DE TURBINE A GAZ**
[72] SNOW, KYLE ROBERT, US
[72] MILLER, BRANDON WAYNE, US
[72] ANSTEAD, DUANE HOWARD, US
[72] SENNOUN, MOHAMMED EL HACIN, US
[72] FANG, NING, US
[72] SCHEETZ, JONOTHAN ALLEN, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2950248)
[87] (2950248)
[22] 2016-12-01
[30] US (14/962,217) 2015-12-08

[11] **2,950,496**
[13] C

[51] **Int.Cl. C11B 9/02 (2006.01) A23L 27/00 (2016.01) A23L 27/10 (2016.01) A23L 27/12 (2016.01) C11B 1/10 (2006.01)**
[25] EN
[54] **IMPROVED PROCESS FOR EXTRACTION OF AROMA CHEMICALS FROM FAT-CONTAINING AND/OR AQUEOUS LIQUID PHASES**
[54] **PROCEDE AMELIORE D'EXTRACTION DE PRODUITS CHIMIQUES AROMATIQUES RENFERMANT DES GRAS OU AQUEUSES**
[72] WIESMUELLER, JOHANN, DE
[72] MICHLBAUER, FRANZ, DE
[72] OBERBAUER, GUNTHER, DE
[72] HAUSNER, HELMUT, DE
[72] KAISER, HARALD, DE
[73] EVONIK DEGUSSA GMBH, DE
[86] (2950496)
[87] (2950496)
[22] 2016-12-02
[30] EP (15197955) 2015-12-04

[11] **2,950,548**
[13] C

[51] **Int.Cl. C23C 4/18 (2006.01) C23C 4/00 (2016.01) C23C 14/54 (2006.01) C23C 14/58 (2006.01) C23C 16/52 (2006.01) C23C 16/56 (2006.01) G01N 21/64 (2006.01) C09K 11/08 (2006.01)**
[25] EN
[54] **COATING INSPECTION METHOD**
[54] **METHODE D'INSPECTION DE REVETEMENT**
[72] SIVARAMAKRISHNAN, SHANKAR, US
[72] HASZ, WAYNE CHARLES, US
[72] BROSNAN, KRISTEN HALL, US
[72] MURPHY, JAMES EDWARD, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2950548)
[87] (2950548)
[22] 2016-12-01
[30] US (14/963,256) 2015-12-09

[11] **2,950,550**
[13] C

[51] **Int.Cl. F01D 5/28 (2006.01) F01D 5/14 (2006.01) F15D 1/10 (2006.01)**
[25] EN
[54] **DURABLE RIBLET'S FOR ENGINE ENVIRONMENT**
[54] **RIBLETS DURABLES DESTINES A UN ENVIRONNEMENT MOTEUR**
[72] BERSCHBACK, CASEY LAUREN, US
[72] WOOD, TREVOR HOWARD, US
[72] LIN, WENDY WENLING, US
[72] LIOU, LARA, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2950550)
[87] (2950550)
[22] 2016-12-01
[30] US (14/964,722) 2015-12-10

[11] **2,951,015**
[13] C

[51] **Int.Cl. A23K 50/10 (2016.01) A23K 20/10 (2016.01) A23K 20/116 (2016.01) A23K 20/158 (2016.01) A23K 20/20 (2016.01)**
[25] EN
[54] **FEED ADDITIVE COMPOSITION FOR REDUCING METHANE GAS PRODUCED BY RUMINANT ANIMALS**
[54] **COMPOSITION D'ADDITIF ALIMENTAIRE POUR REDUIRE LA PRODUCTION DE METHANE DES RUMINANTS**
[72] PARK, MIN AH, KR
[72] LEE, SEUNG HEON, KR
[72] KIM, SUNG HUN, KR
[72] KIM, IN BAE, KR
[72] YANG, SI YONG, KR
[72] CHEE, SEOK WOO, KR
[73] CJ CHEILJEDANG CORPORATION, KR
[85] 2016-12-01
[86] 2015-06-02 (PCT/KR2015/005541)
[87] (WO2015/186956)
[30] KR (10-2014-0067168) 2014-06-02

[11] **2,951,431**
[13] C

[51] **Int.Cl. F01D 11/08 (2006.01) F01D 9/02 (2006.01) F01D 25/24 (2006.01)**
[25] EN
[54] **MULTI-PIECE SHROUD HANGER ASSEMBLY**
[54] **ENSEMBLE DISPOSITIF DE SUSPENSION DE CARENAGE A MULTIPLES PIECES**
[72] SHAPIRO, JASON DAVID, US
[72] FRANKS, MICHAEL JOHN, US
[72] STAPLETON, DAVID SCOTT, US
[73] GENERAL ELECTRIC COMPANY, US
[85] 2016-12-06
[86] 2015-04-28 (PCT/US2015/028050)
[87] (WO2015/191174)
[30] US (62/011,244) 2014-06-12

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[11] **2,951,545**

[13] C

- [51] **Int.Cl. B25C 1/08 (2006.01) B25C 1/18 (2006.01)**
[25] EN
[54] **GAS FIXING TOOL WITH SAFETY FEATURE**
[54] **OUTIL DE REPARATION A GAZ DOTE D'UNE FONCTION DE SURETE**
[72] VETTORETTI, ALAIN, FR
[72] HERELIER, PATRICK, FR
[72] NAYRAC, FREDERIC, FR
[73] ILLINOIS TOOL WORKS INC., US
[86] (2951545)
[87] (2951545)
[22] 2016-12-14
[30] FR (1650433) 2016-01-20

[11] **2,951,849**

[13] C

- [51] **Int.Cl. H04N 21/8549 (2011.01) H04N 21/81 (2011.01) G06K 9/00 (2006.01)**
[25] EN
[54] **SELECTION OF THUMBNAI LS FOR VIDEO SEGMENTS**
[54] **SELECTION DE VIGNETTES POUR DES SEGMENTS VIDEO**
[72] FONSECA, BENEDITO J., JR., US
[72] ISHTIAQ, FAISAL, US
[72] LI, RENXIANG, US
[72] EMEOTT, STEPHEN P., US
[72] SMITH, ALFONSO MARTINEZ, US
[72] BRASKICH, ANTHONY J., US
[73] ARRIS ENTERPRISES LLC, US
[85] 2016-12-09
[86] 2015-06-02 (PCT/US2015/033662)
[87] (WO2015/191328)
[30] US (14/302,155) 2014-06-11

[11] **2,952,153**

[13] C

- [51] **Int.Cl. F16L 27/00 (2006.01) B64D 33/00 (2006.01) F16H 57/04 (2010.01) F16N 9/00 (2006.01)**
[25] EN
[54] **OIL TRANSFER ASSEMBLY FOR SUPPLYING OIL INTO A ROTATING AND TRANSLATING TUBE**
[54] **DISPOSITIF DE TRANSFERT D'HUILE SERVANT A FOURNIR DE L'HUILE DANS UN TUBE EN ROTATION ET TRANSLATION**
[72] ALTAMURA, PAOLO, IT
[73] GE AVIO S.R.L., IT
[86] (2952153)
[87] (2952153)
[22] 2016-12-19
[30] IT (102015000086684) 2015-12-22

[11] **2,952,492**

[13] C

- [51] **Int.Cl. G09B 19/24 (2006.01) B23K 9/095 (2006.01) B23K 9/10 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF WELDING SYSTEM OPERATOR IDENTIFICATION**
[54] **SYSTEME ET PROCEDE D'IDENTIFICATION DE L'OPERATEUR D'UN SYSTEME DE SOUDAGE**
[72] BECKER, WILLIAM JOSHUA, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2016-12-14
[86] 2015-06-24 (PCT/US2015/037432)
[87] (WO2015/200487)
[30] US (62/018,324) 2014-06-27
[30] US (62/018,362) 2014-06-27
[30] US (14/747,667) 2015-06-23

[11] **2,952,761**

[13] C

- [51] **Int.Cl. E21B 17/07 (2006.01)**
[25] EN
[54] **DOWNHOLE TOOL**
[54] **OUTIL DE FOND DE TROU**
[72] CRAVATTE, PHILIPPE LOUIS, BE
[72] BOCKLANDT, MICHAEL, BE
[73] SICENO S.A.R.L., LU
[85] 2016-12-16
[86] 2015-07-17 (PCT/EP2015/066474)
[87] (WO2016/009068)
[30] GB (1412778.1) 2014-07-18

[11] **2,954,728**

[13] C

- [51] **Int.Cl. A61M 5/168 (2006.01) A61B 5/157 (2006.01) A61M 5/142 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR FLUID DELIVERY**
[54] **SYSTEMES ET PROCEDES DE DISTRIBUTION DE FLUIDES**
[72] KAMEN, DEAN, US
[72] KERWIN, JOHN M., US
[72] GRAY, LARRY B., US
[72] MANDRO, MARC A., US
[72] BLUMBERG, DAVID, JR., US
[73] DEKA PRODUCTS LIMITED PARTNERSHIP, US
[86] (2954728)
[87] (2954728)
[22] 2009-09-15
[62] 2,738,389
[30] US (61/101,077) 2008-09-29
[30] US (61/101,105) 2008-09-29
[30] US (61/101,115) 2008-09-29
[30] US (61/101,053) 2008-09-29
[30] US (61/097,021) 2008-09-15
[30] US (61/141,996) 2008-12-31
[30] US (61/141,781) 2008-12-31

[11] **2,954,914**

[13] C

- [51] **Int.Cl. F02C 7/00 (2006.01) F01D 25/00 (2006.01) F02C 7/275 (2006.01) H01M 8/06 (2016.01)**
[25] EN
[54] **HYBRID PROPULSION SYSTEM**
[54] **SYSTEME DE PROPULSION HYBRIDE**
[72] SENNOUN, MOHAMMED EL HACIN, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2954914)
[87] (2954914)
[22] 2017-01-12
[30] US (15/006,445) 2016-01-26

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[11] **2,955,911**
[13] C

[51] **Int.Cl. B64D 47/00 (2006.01) B64D 13/00 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **SYSTEM FOR COOLING ELECTRIC DRIVING UNIT OF AIRCRAFT**
[54] **SYSTEME POUR REFROIDIR UNE UNITE ELECTRIQUE D'UN AERONEF**
[72] MORIOKA, NORIKO, JP
[72] OYORI, HITOSHI, JP
[73] IHI CORPORATION, JP
[85] 2017-01-20
[86] 2015-07-21 (PCT/JP2015/070664)
[87] (WO2016/035462)
[30] JP (2014-179172) 2014-09-03

[11] **2,956,534**
[13] C

[51] **Int.Cl. E04B 1/26 (2006.01)**
[25] EN
[54] **STRUCTURAL ENGINEERED WOOD RIM BOARD FOR LIGHT FRAME CONSTRUCTION**
[54] **PANNEAU DE BORDURE EN BOIS STRUCTURELLEMENT MODIFIE POUR CONSTRUCTION DE CHARPENTE LEGERE**
[72] MEI, EDMUND, US
[73] MEI, EDMUND, US
[85] 2017-01-26
[86] 2014-08-06 (PCT/US2014/049868)
[87] (WO2015/021102)
[30] US (61/863,283) 2013-08-07
[30] US (14/451,813) 2014-08-05

[11] **2,957,489**
[13] C

[51] **Int.Cl. G01C 25/00 (2006.01)**
[25] EN
[54] **AIRCRAFT NAVIGATION PERFORMANCE PREDICTION SYSTEM**
[54] **SYSTEME DE PREDICTION DU RENDEMENT DE NAVIGATION D'UN AERONEF**
[72] STARK, GREGORY ALAN, US
[73] GE AVIATION SYSTEMS LLC, US
[86] (2957489)
[87] (2957489)
[22] 2017-02-09
[30] US (15/045,510) 2016-02-17

[11] **2,957,658**
[13] C

[51] **Int.Cl. G02B 15/22 (2006.01)**
[25] EN
[54] **MACRO LENS**
[54] **OBJECTIF MACRO**
[72] MCCAFFERTY, SEAN J., US
[73] TANTUM OPTICS, LLC, US
[85] 2017-02-08
[86] 2015-08-06 (PCT/US2015/043965)
[87] (WO2016/022771)
[30] US (PCT/US2014/050318) 2014-08-08
[30] US (62/076,303) 2014-11-06
[30] US (62/093,909) 2014-12-18

[11] **2,957,788**
[13] C

[51] **Int.Cl. A47B 3/087 (2006.01) A47B 13/08 (2006.01) A47B 37/00 (2006.01) A47B 97/00 (2006.01) H02J 4/00 (2006.01)**
[25] EN
[54] **FOLDING TABLE WITH POWER OUTLET**
[54] **TABLE PLIANTE DOTEE D'UNE PRISE DE COURANT**
[72] PECTOL, MATTHEW, US
[73] MITY-LITE, INC., US
[86] (2957788)
[87] (2957788)
[22] 2017-02-13
[30] US (15/041,674) 2016-02-11

[11] **2,957,815**
[13] C

[51] **Int.Cl. B26B 13/28 (2006.01)**
[25] EN
[54] **CUTTING TOOL AND MANUFACTURING METHOD**
[54] **OUTIL DE COUPE ET PROCEDE DE FABRICATION**
[72] SAVOLAINEN, HEIKKI, FI
[73] FISKARS FINLAND OY AB, FI
[85] 2017-02-09
[86] 2015-08-26 (PCT/FI2015/050547)
[87] (WO2016/034764)
[30] FI (20145757) 2014-09-01

[11] **2,957,977**
[13] C

[51] **Int.Cl. A61B 34/20 (2016.01) A61B 17/94 (2006.01)**
[25] EN
[54] **SENSORED SURGICAL TOOL AND SURGICAL INTRAOPERATIVE TRACKING AND IMAGING SYSTEM INCORPORATING SAME**
[54] **OUTIL CHIRURGICAL A CAPTEUR ET SYSTEME D'IMAGERIE ET DE SUIVI CHIRURGICAL PENDANT L'INTERVENTION INTEGRANT LEDIT OUTIL**
[72] BAI, YANHUI, CA
[72] WOOD, MICHAEL FRANK GUNTER, CA
[72] PIRON, CAMERON ANTHONY, CA
[73] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[86] (2957977)
[87] (2957977)
[22] 2017-02-15

[11] **2,958,419**
[13] C

[51] **Int.Cl. H04W 24/08 (2009.01) H04W 28/12 (2009.01) H04W 80/06 (2009.01) H04L 12/953 (2013.01)**
[25] EN
[54] **CHANGING WIRELESS CARRIERS DURING A MOBILE GATEWAY SESSION**
[54] **CHANGEMENT DE PORTEUSES SANS FIL LORS D'UNE SESSION PASSERELLE MOBILE**
[72] ERICKSON, KJELL DAVID, US
[72] MATSON, LLOYD WALTER, US
[72] BOTTICELLI, MARK PHILIP, US
[73] TRIMBLE NAVIGATION LIMITED, US
[85] 2017-02-15
[86] 2015-08-18 (PCT/US2015/045670)
[87] (WO2016/028763)
[30] US (62/038,615) 2014-08-18

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[11] **2,959,251**
[13] C

[51] **Int.Cl. E05B 63/00 (2006.01)**
[25] EN
[54] **KEYED LOCKSET OPERABLE BY PIVOTING ACTUATOR ABOUT FIRST AXIS OR SECOND AXIS**
[54] **ENSEMBLE SERRURE A CLE EXPLOITABLE EN PIVOTANT UN ACTIONNEUR AUTOUR D'UN PREMIER AXE OU D'UN SECOND AXE**
[72] OU, XINMIN, CN
[72] WEATHERSBY, STEVEN T., US
[72] CHEN, SHIHAO, CN
[72] LIU, GUOHUA, CN
[72] WEN, JIAN, CN
[72] QUAN, JON FONG, US
[72] OU, XINBEN, CN
[72] YUAN, ZHIMAN, CN
[73] HAMPTON PRODUCTS INTERNATIONAL CORPORATION, US
[85] 2017-02-24
[86] 2014-09-05 (PCT/CN2014/085987)
[87] (WO2016/033793)

[11] **2,960,227**
[13] C

[51] **Int.Cl. F03B 13/26 (2006.01) B63B 21/50 (2006.01) B63B 22/00 (2006.01) E02B 9/08 (2006.01) F03B 13/10 (2006.01)**
[25] EN
[54] **SUPPORT FOR WATER TURBINE**
[54] **SUPPORT POUR TURBINE HYDRAULIQUE**
[72] TODMAN, MICHAEL TORR, GB
[72] ARMSTRONG, JOHN RICHARD CAREW, GB
[73] TIDALSTREAM LIMITED, GB
[86] (2960227)
[87] (2960227)
[22] 2012-12-06
[62] 2,856,651
[30] GB (1121179.4) 2011-12-09

[11] **2,961,260**
[13] C

[51] **Int.Cl. B23K 9/32 (2006.01) B23K 9/095 (2006.01) B23K 31/00 (2006.01) B23K 37/00 (2006.01) G09B 19/24 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF CONTROLLING WELDING SYSTEM CAMERA EXPOSURE AND MARKER ILLUMINATION**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE L'EXPOSITION DE LA CAMERA ET DE L'ECLAIRAGE DES MARQUEURS D'UN SYSTEME DE SOUDAGE**
[72] BECKER, WILLIAM JOSHUA, US
[72] WEBER, JEFFREY DALE, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2017-03-13
[86] 2015-11-02 (PCT/US2015/058664)
[87] (WO2016/073372)
[30] US (62/075,712) 2014-11-05
[30] US (14/928,697) 2015-10-30

[11] **2,961,388**
[13] C

[51] **Int.Cl. E21B 21/08 (2006.01) G01F 1/84 (2006.01)**
[25] EN
[54] **CORIOLIS FLOW METER HAVING FLOW TUBE WITH EQUALIZED PRESSURE DIFFERENTIAL**
[54] **DEBITMETRE A EFFET CORIOLIS POSSEDANT UN TUBE D'ECOULEMENT AVEC PRESSION DIFFERENTIELLE EGALISEE**
[72] DILLARD, WALTER S., US
[72] NORTHAM, PAUL R., US
[72] GEORGE, GERALD G., US
[72] RING, LEV, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2017-03-14
[86] 2015-09-21 (PCT/US2015/051200)
[87] (WO2016/044834)
[30] US (62/053,015) 2014-09-19

[11] **2,961,438**
[13] C

[51] **Int.Cl. A01B 1/14 (2006.01)**
[25] FR
[54] **GRASS COMB**
[54] **PEIGNE A PELOUSE**
[72] POULIN, DANIEL, CA
[73] POULIN, DANIEL, CA
[86] (2961438)
[87] (2961438)
[22] 2017-03-20

[11] **2,961,445**
[13] C

[51] **Int.Cl. A61K 9/46 (2006.01) A61K 47/02 (2006.01) A61K 47/12 (2006.01) A61J 3/02 (2006.01)**
[25] EN
[54] **EFFERVESCENT COMPOSITION AND METHOD OF MAKING IT**
[54] **COMPOSITION EFFERVESCENTE ET SON PROCEDE DE FABRICATION**
[72] PADMANABHAN, BABU, IN
[72] SHETTY, RAKSHIT, IN
[72] KULKARNI, VIJAY, IN
[72] SEN, HIMADRI, IN
[72] BHUSHAN, INDU, IN
[73] STEERLIFE INDIA PRIVATE LIMITED, IN
[85] 2017-03-15
[86] 2015-03-26 (PCT/IB2015/000400)
[87] (WO2016/042372)
[30] IN (4527/CHE/2014) 2014-09-17

[11] **2,961,627**
[13] C

[51] **Int.Cl. C12N 5/04 (2006.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **MAIZE INBRED PH2TBH**
[54] **MAIS ENDOGAME PH2TBH**
[72] SCOTT, LORI KARYN, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (2961627)
[87] (2961627)
[22] 2017-03-22
[30] US (15/447,302) 2017-03-02

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[11] **2,962,393**
[13] C

[51] **Int.Cl. E21B 43/12 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REAL-TIME MEASUREMENT OF GAS CONTENT IN DRILLING FLUIDS**
[54] **SYSTEMES ET PROCEDES POUR LA MESURE EN TEMPS REEL DE LA TENEUR EN GAZ DANS DES FLUIDES DE FORAGE**
[72] MITCHELL, IAN DAVID CAMPBELL, US
[72] ROWE, MATHEW DENNIS, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-03-23
[86] 2014-11-10 (PCT/US2014/064828)
[87] (WO2016/076825)

[11] **2,962,883**
[13] C

[51] **Int.Cl. A47F 3/04 (2006.01) F25D 17/06 (2006.01)**
[25] EN
[54] **HOLDER FOR A REFRIGERATED CASE**
[54] **SUPPORT DE CASIER REFRIGERE**
[72] SPARKS, ROBERT, US
[73] ZERO ZONE, INC., US
[86] (2962883)
[87] (2962883)
[22] 2017-03-30
[30] US (15/088,875) 2016-04-01

[11] **2,962,912**
[13] C

[51] **Int.Cl. F02K 3/06 (2006.01) B64D 29/06 (2006.01) B64D 45/02 (2006.01) F02C 7/00 (2006.01) F04D 29/54 (2006.01)**
[25] EN
[54] **CYLINDRICAL CASE AND JET ENGINE**
[54] **CARTER CYLINDRIQUE ET MOTEUR A REACTION**
[72] FURUKAWA, HIROYUKI, JP
[72] YOSHIARA, TETSUYA, JP
[72] TANAKA, AGAMU, JP
[72] MORI, YUUJI, JP
[73] IHI CORPORATION, JP
[85] 2017-03-28
[86] 2015-10-06 (PCT/JP2015/078263)
[87] (WO2016/103841)
[30] JP (2014-264096) 2014-12-26

[11] **2,963,077**
[13] C

[51] **Int.Cl. E21B 23/06 (2006.01) E21B 33/12 (2006.01) E21B 33/128 (2006.01)**
[25] EN
[54] **PACKER SETTING TOOL WITH INTERNAL PUMP**
[54] **OUTIL DE REGLAGE DE GARNITURE D'ETANCHEITE AVEC POMPE INTERNE**
[72] RICHARDS, WILLIAM MARK, US
[72] ROSS, COLBY MUNRO, US
[72] ROANE, THOMAS OWEN, US
[72] HENDERSON, WILLIAM DAVID, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-03-29
[86] 2014-12-16 (PCT/US2014/070593)
[87] (WO2016/099457)

[11] **2,963,788**
[13] C

[51] **Int.Cl. H04B 3/02 (2006.01) H04W 88/14 (2009.01) H04B 3/54 (2006.01) H04B 3/56 (2006.01) H04B 3/58 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ADJUSTING A MODE OF COMMUNICATION IN A COMMUNICATION NETWORK**
[54] **PROCEDE ET APPAREIL DE REGLAGE DE MODE DE COMMUNICATION DANS UN RESEAU DE COMMUNICATION**
[72] HENRY, PAUL SHALA, US
[72] BENNETT, ROBERT, US
[72] GERSZBERG, IRWIN, US
[72] BARZEGAR, FARHAD, US
[72] BARNICKEL, DONALD J., US
[72] WILLIS, THOMAS M., III, US
[73] AT&T INTELLECTUAL PROPERTY I, L.P., US
[85] 2017-04-05
[86] 2015-09-14 (PCT/US2015/049928)
[87] (WO2016/060761)
[30] US (14/513,246) 2014-10-14

[11] **2,965,108**
[13] C

[51] **Int.Cl. G07C 9/02 (2006.01)**
[25] EN
[54] **ACCESS CONTROL DEVICE FOR PERSONS OR DEVICE FOR COUNTING PERSONS DESIGNED AS A TURNSTILE**
[54] **DISPOSITIF DE CONTROLE D'ACCES DESTINE AUX PERSONNES OU COMPTEUR DE PERSONNES DESIGNES DANS UN TOURNIQUET**
[72] EBNER, JOHANN, AT
[73] SKIDATA AG, AT
[86] (2965108)
[87] (2965108)
[22] 2017-04-24
[30] EP (16167003.9) 2016-04-26

[11] **2,965,289**
[13] C

[51] **Int.Cl. E21B 21/06 (2006.01) E21B 21/08 (2006.01) E21B 44/00 (2006.01)**
[25] EN
[54] **REAL-TIME CONTROL OF DRILLING FLUID PROPERTIES USING PREDICTIVE MODELS**
[54] **REGLAGE EN TEMPS REEL DE PROPRIETES DE FLUIDE DE FORAGE A L'AIDE DE MODELES PREDICTIFS**
[72] DYKSTRA, JASON D., US
[72] SUN, ZHIJIE, US
[72] XUE, YUZHEN, US
[72] BU, FANPING, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-04-20
[86] 2014-12-31 (PCT/US2014/073051)
[87] (WO2016/108908)

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[11] **2,965,321**
[13] C

[51] **Int.Cl. A42B 3/18 (2006.01) A42B 3/04 (2006.01)**
[25] EN
[54] **FOOTBALL HELMET WITH CHEEK SUPPORTS**
[54] **CASQUE DE FOOTBALL DOTE DE SUPPORTS DE JOUES**
[72] ERB, ROBERT, US
[72] VANHOUTIN, LOUIS ANTHONY, US
[72] WARMOUTH, CORTNEY, US
[73] KRANOS IP CORPORATION, US
[86] (2965321)
[87] (2965321)
[22] 2017-04-27
[30] US (15/456,279) 2017-03-10

[11] **2,965,667**
[13] C

[51] **Int.Cl. H04N 21/6587 (2011.01) H04N 21/643 (2011.01) H04N 21/845 (2011.01)**
[25] EN
[54] **METHODS OF IMPLEMENTING MULTI MODE TRICKPLAY**
[54] **PROCEDES DE MISE EN ŒUVRE DE LECTURE SPECIALE A PLUSIEURS MODES**
[72] PANJE, KRISHNA PRASAD, IN
[72] FRANKS, WILLIAM P., US
[72] SAHASRANAMAN, MURALI, IN
[73] ARRIS ENTERPRISES LLC, US
[85] 2017-01-19
[86] 2015-04-09 (PCT/US2015/025214)
[87] (WO2016/014129)
[30] US (14/338,590) 2014-07-23

[11] **2,965,863**
[13] C

[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **CONVERGENCE OF TERMS WITHIN A COLLABORATIVE TAGGING ENVIRONMENT**
[54] **CONVERGENCE DE TERMES A L'INTERIEUR D'UN ENVIRONNEMENT D'ETIQUETAGE COLLABORATIF**
[72] FRANK, MARTIN, US
[72] TSENG, WALTER M., US
[73] AMAZON TECHNOLOGIES, INC., US
[86] (2965863)
[87] (2965863)
[22] 2007-09-27
[62] 2,662,410
[30] US (11/537,218) 2006-09-29

[11] **2,967,235**
[13] C

[51] **Int.Cl. B61F 1/10 (2006.01) B61D 15/06 (2006.01) B61G 11/16 (2006.01)**
[25] EN
[54] **RAILCAR**
[54] **VEHICULE FERROVIAIRE**
[72] SATO, TETSURO, JP
[72] HAYASHI, KENTARO, JP
[72] MATSUO, NAOSHIGE, JP
[73] NIPPON SHARYO, LTD., JP
[85] 2017-05-10
[86] 2015-08-31 (PCT/JP2015/074788)
[87] (WO2017/037852)

[11] **2,967,254**
[13] C

[51] **Int.Cl. A61K 51/04 (2006.01) A61K 49/00 (2006.01)**
[25] EN
[54] **CONTRAST AGENTS FOR APPLICATIONS INCLUDING IMAGING CANCER**
[54] **AGENTS DE CONTRASTE DESTINE AUX APPLICATIONS COMPRENANT L'IMAGERIE DU CANCER**
[72] ROBINSON, SIMON P., US
[72] CASEBIER, DAVID S., US
[72] YU, MING, US
[72] KAGAN, MIKHAIL, US
[72] LAZEWATSKY, JOEL, US
[73] LANTHEUS MEDICAL IMAGING, INC., US
[86] (2967254)
[87] (2967254)
[22] 2009-02-27
[62] 2,716,354
[30] US (61/067,593) 2008-02-29

[11] **2,968,202**
[13] C

[51] **Int.Cl. H04B 7/06 (2006.01) H04W 16/28 (2009.01)**
[25] EN
[54] **EFFICIENT BEAM SCANNING FOR HIGH-FREQUENCY WIRELESS NETWORKS**
[54] **BALAYAGE DE FAISCEAU EFFICACE POUR DES RESEAUX SANS FIL HAUTE FREQUENCE**
[72] HUI, DENNIS, US
[72] AXNAS, JOHAN, SE
[72] BALDEMAIR, ROBERT, SE
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2017-05-17
[86] 2015-11-03 (PCT/IB2015/058499)
[87] (WO2016/071840)
[30] US (14/531,494) 2014-11-03

[11] **2,968,843**
[13] C

[51] **Int.Cl. G01N 21/88 (2006.01)**
[25] EN
[54] **DEFECT INSPECTION METHOD AND APPARATUS THEREFOR**
[54] **METHODE D'INSPECTION DE DEFECTUOSITE ET APPAREIL ASSOCIE**
[72] MATSUMOTO, JUNICHI, JP
[73] HONDA MOTOR CO., LTD., JP
[86] (2968843)
[87] (2968843)
[22] 2017-05-30
[30] JP (2016-115498) 2016-06-09

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[11] **2,970,702**
[13] C

[51] **Int.Cl. C08L 5/04 (2006.01) A61F 9/007 (2006.01) C08J 3/24 (2006.01) C08K 3/36 (2006.01) C08K 5/5415 (2006.01) C08K 5/5419 (2006.01) C08K 5/544 (2006.01) C08L 5/08 (2006.01) C08L 89/00 (2006.01) G02B 1/00 (2006.01) G02C 7/04 (2006.01)**

[25] EN

[54] **A MATERIAL WITH HIGH OXYGEN PERMEABILITY BASED ON MARINE BIOLOGICAL SUBSTANCE, PREPARATION METHOD AND USE THEREOF**

[54] **MATERIAU A HAUTE PERMEABILITE A L'OXYGENE A BASE DE SUBSTANCES BIOLOGIQUES MARINES ET SON PROCEDE DE PREPARATION ET SON UTILISATION**

[72] WANG, BAOQUAN, CN
[72] LI, QING, CN
[73] QINGDAO CHUNGHAO TISSUE ENGINEERING CO., LTD., CN

[85] 2017-06-12
[86] 2015-05-29 (PCT/CN2015/080218)
[87] (WO2016/090863)
[30] CN (201410766381.4) 2014-12-12

[11] **2,970,918**
[13] C

[51] **Int.Cl. B29C 45/76 (2006.01) F21K 9/00 (2016.01) G02B 1/00 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR POTTING AN LED LUMINAIRE POTTED IN A POTTING COMPOUND, AND LED LUMINAIRE**

[54] **PROCEDE ET DISPOSITIF D'ENROBAGE DE LAMPE A LED DANS UNE MATIERE D'ENROBAGE ET LAMPE A LED**

[72] STICKLUS, JAN, DE
[72] KWASNITSCHKA, TOM, DE
[72] HOHER, PETER ADAM, DE
[73] GEOMAR HELMHOLTZ-ZENTRUM FUR OZEANFORSCHUNG KIEL, DE

[85] 2017-06-14
[86] 2015-12-09 (PCT/DE2015/100529)
[87] (WO2016/095901)
[30] DE (10 2014 118 671.0) 2014-12-15
[30] DE (10 2014 118 672.9) 2014-12-15

[11] **2,973,012**
[13] C

[51] **Int.Cl. A61B 5/0476 (2006.01) A61B 5/0478 (2006.01)**

[25] EN

[54] **WEARABLE APPARATUS FOR BRAIN SENSORS**

[54] **APPAREIL POUVANT ETRE PORTE POUR CAPTEURS CEREBRAUX**

[72] AIMONE, CHRISTOPHER ALLEN, CA
[72] COLEMAN, TREVOR, CA
[72] MACKENZIE, SAMUEL THOMAS, CA

[72] GARTEN, ARIEL STEPHANIE, CA
[73] INTERAXON INC., CA

[85] 2017-07-05
[86] 2015-01-06 (PCT/CA2015/000003)
[87] (WO2015/100499)
[30] US (61/924,020) 2014-01-06

[11] **2,973,352**
[13] C

[51] **Int.Cl. C07K 14/575 (2006.01) A61K 47/54 (2017.01) A61K 38/26 (2006.01) A61P 3/10 (2006.01) C07K 14/605 (2006.01) C07K 14/645 (2006.01)**

[25] EN

[54] **GIP AND GLP-1 CO-AGONIST COMPOUNDS**

[54] **COMPOSES CO-AGONISTES DE GIP ET DE GLP-1**

[72] ALSINA-FERNANDEZ, JORGE, US
[72] BOKVIST, BENGT KRISTER, US
[72] COSKUN, TAMER, US
[72] CUMMINS, ROBERT CHADWICK, US

[73] ELI LILLY AND COMPANY, US

[85] 2017-07-07
[86] 2016-01-05 (PCT/US2016/012124)
[87] (WO2016/111971)
[30] US (62/101,488) 2015-01-09

[11] **2,973,972**
[13] C

[51] **Int.Cl. G06F 17/00 (2019.01) G06Q 10/10 (2012.01) G06Q 40/02 (2012.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR GENERATING AN INTERACTION REQUEST**

[54] **SYSTEME ET METHODE DE GENERATION D'UNE REQUETE D'INTERACTION**

[72] TSERETOPOULOS, DEAN C.N., CA
[72] HARPER, GREGORY RICHARD, CA
[72] WALIA, SARAJIT SINGH, CA
[72] D'AGOSTINO, DINO PAUL, CA
[72] LEE, JOHN JONG-SUK, CA
[72] CHAN, PAUL MON-WAH, CA
[72] JETHWA, RAKESH THOMAS, CA
[72] MOON, TAE GYUN, CA
[73] THE TORONTO-DOMINION BANK, CA

[86] (2973972)
[87] (2973972)
[22] 2017-07-18
[30] US (15/282,727) 2016-09-30
[30] US (15/620,582) 2017-06-12
[30] US (15/620,632) 2017-06-12

[11] **2,976,610**
[13] C

[51] **Int.Cl. B42D 15/04 (2006.01) A63H 33/00 (2006.01)**

[25] EN

[54] **FERRIS WHEEL GREETING CARD**

[54] **CARTE DE SOUHAITS DOTEE D'UNE GRANDE ROUE**

[72] NELSON, GARY, US
[72] TALBOT, JOHN, US
[72] LARSON, SETH, US
[73] AMERICAN GREETINGS CORPORATION, US

[86] (2976610)
[87] (2976610)
[22] 2017-08-16
[30] US (15/615,701) 2017-06-06

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[11] **2,977,407**

[13] C

- [51] **Int.Cl. G01R 33/385 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR
MAGNETIC RESONANCE COIL
ARRANGEMENT**
[54] **SYSTEME ET PROCEDE POUR UN
AGENCEMENT DE BOBINE DE
RESONANCE MAGNETIQUE**
[72] BINDSEIL, GERON ANDRE, CA
[72] HARRIS, CHAD TYLER, CA
[72] HANDLER, WILLIAM BRADFIELD,
CA
[72] CHRONIK, BLAINE ALEXANDER,
CA
[73] SYNAPTIVE MEDICAL
(BARBADOS) INC., BB
[85] 2017-08-22
[86] 2015-02-23 (PCT/CA2015/000107)
[87] (WO2016/134437)

[11] **2,978,485**

[13] C

- [51] **Int.Cl. F16B 37/00 (2006.01) B64C
1/12 (2006.01) B64C 3/26 (2006.01)
B64D 45/02 (2006.01) F16B 5/01
(2006.01) F16B 5/02 (2006.01) F16B
43/00 (2006.01)**
[25] EN
[54] **FASTENER LOCKING MEMBERS**
[54] **ELEMENTS DE VERROUILLAGE
DE DISPOSITIF DE FIXATION**
[72] RIZZA, GREGORY, US
[72] HAYLOCK, LUKE, US
[72] PINHEIRO, RODRIGO, US
[72] MULAZIMOGLU, HASIM, US
[72] LIEBSCHER, ANDREAS, US
[72] KAMAL, MANISH, US
[73] ARCONIC INC., US
[85] 2017-08-31
[86] 2016-08-17 (PCT/US2016/047316)
[87] (WO2017/034875)
[30] US (62/210,677) 2015-08-27

[11] **2,978,532**

[13] C

- [51] **Int.Cl. F02D 45/00 (2006.01) F02D
41/22 (2006.01) F02D 41/34 (2006.01)**
[25] EN
[54] **INTERNAL COMBUSTION
ENGINE CONTROL DEVICE AND
INTERNAL COMBUSTION
ENGINE CONTROL METHOD**
[54] **DISPOSITIF DE COMMANDE
POUR MOTEUR A COMBUSTION
INTERNE ET PROCEDE DE
COMMANDE POUR MOTEUR A
COMBUSTION INTERNE**
[72] KASSAI, MASAHARU, JP
[72] YAMANO, KENTAROU, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2017-09-01
[86] 2015-03-04 (PCT/JP2015/056401)
[87] (WO2016/139784)

[11] **2,979,499**

[13] C

- [51] **Int.Cl. H01M 4/136 (2010.01)**
[25] EN
[54] **ACTIVE LITHIUM-ION CATHODE
MATERIAL WITH IMPROVED
PARTICLE SIZE DISTRIBUTION,
CATHODE USING THIS
MATERIAL, AND BATTERY
USING THIS CATHODE**
[54] **MATERIAU DE CATHODE
LITHIUM-ION ACTIF AYANT
UNE DISTRIBUTION DE TAILLE
DE PARTICULE AMELIOREE,
CATHODE EMPLOYANT CE
MATERIAU ET PILE
EMPLOYANT CETTE CATHODE**
[72] YAMAKA, RYUUTA, JP
[72] OYAMA, MASATAKA, JP
[73] SUMITOMO OSAKA CEMENT CO.,
LTD., JP
[86] (2979499)
[87] (2979499)
[22] 2017-09-19
[30] JP (2017-059179) 2017-03-24

[11] **2,980,180**

[13] C

- [51] **Int.Cl. A01D 41/12 (2006.01) A01D
41/06 (2006.01) A01D 57/00 (2006.01)**
[25] EN
[54] **WINDROW MERGER
ATTACHMENT**
[54] **FIXATION DE GROUPEMENT
D'ANDAINS**
[72] LOGGAN, AARON, US
[73] AGCO CORPORATION, US
[86] (2980180)
[87] (2980180)
[22] 2017-09-25
[30] US (62/442,443) 2016-11-15

[11] **2,981,276**

[13] C

- [51] **Int.Cl. E05D 15/16 (2006.01) E05D
15/24 (2006.01) E06B 3/44 (2006.01)
E06B 3/48 (2006.01)**
[25] EN
[54] **MOTOR-OPERABLE AND
VERTICALLY MOVABLE GATE**
[54] **CLOTURE MOTORISEE ET
DEPLACABLE VERTICALEMENT**
[72] REJC, GABRIJEL, DE
[73] REJC, GABRIJEL, DE
[85] 2017-09-29
[86] 2017-06-26 (PCT/EP2017/065623)
[87] (WO2018/001924)
[30] EP (16176550.8) 2016-06-28

[11] **2,982,954**

[13] C

- [51] **Int.Cl. G05D 23/01 (2006.01) E03C
1/02 (2006.01) F16K 17/00 (2006.01)
G05D 7/01 (2006.01)**
[25] EN
[54] **WATER TEMPERATURE
MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE
TEMPERATURE D'EAU**
[72] LOONG, MENG, SG
[73] JVL ENGINEERING PTE LTD, SG
[85] 2017-07-06
[86] 2015-11-13 (PCT/SG2015/050450)
[87] (WO2017/078615)
[30] SG (10201509125T) 2015-11-05

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[11] **2,984,354**
[13] C

[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 1/10 (2006.01) C12Q 1/68 (2018.01)**

[25] EN
[54] **MAIZE INBRED PH2TC9**
[54] **MAIS ENDOGAME PH2TC9**
[72] GROTE, EDWIN MICHAEL, US
[72] MICKELSON, SUZANNE MICHELLE, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (2984354)
[87] (2984354)
[22] 2017-10-31
[30] US (15/447,186) 2017-03-02

[11] **2,984,534**
[13] C

[51] **Int.Cl. B64D 33/08 (2006.01) B64C 27/12 (2006.01) B64C 27/22 (2006.01) B64C 39/06 (2006.01) B64D 35/00 (2006.01) F01M 5/00 (2006.01) F01P 5/10 (2006.01)**

[25] EN
[54] **ENGINE COOLING SYSTEMS FOR AIRCRAFT**
[54] **SYSTEMES DE REFROIDISSEMENT MOTEUR DESTINES A UN AERONEF**
[72] BRODEUR, NICHOLAS, US
[73] BELL HELICOPTER TEXTRON INC., US
[86] (2984534)
[87] (2984534)
[22] 2017-11-01
[30] US (15/384,495) 2016-12-20

[11] **2,986,640**
[13] C

[51] **Int.Cl. C07D 239/48 (2006.01) A61K 31/439 (2006.01) A61K 31/505 (2006.01) A61K 31/506 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01) C07D 405/12 (2006.01) C07D 453/02 (2006.01)**

[25] EN
[54] **HETEROARYL COMPOUNDS AND USES THEREOF**
[54] **COMPOSES HETERO-ARYLES ET LEURS UTILISATIONS**
[72] KLUGE, ARTHUR F., US
[72] PETTER, RUSSELL C., US
[72] TESTER, RICHLAND WAYNE, US
[72] QIAO, LIXIN, US
[72] NIU, DEQIANG, US
[72] WESTLIN, WILLIAM FREDERICK, US
[72] SINGH, JUSWINDER, US
[72] MAZDIYASNI, HORMOZ, US
[73] CELGENE CAR LLC, BM
[86] (2986640)
[87] (2986640)
[22] 2009-06-26
[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

[11] **2,986,883**
[13] C

[51] **Int.Cl. H02M 1/08 (2006.01) H02M 1/00 (2007.10)**

[25] EN
[54] **POWER CONVERSION DEVICE**
[54] **DISPOSITIF DE CONVERSION DE PUISSANCE**
[72] ZUSHI, YUSUKE, JP
[72] SUZUKI, TATSUHIRO, JP
[72] NUMAKURA, KEIICHIRO, JP
[72] SHIMOMURA, TAKU, JP
[72] HAYASHI, TETSUYA, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2017-11-22
[86] 2015-05-22 (PCT/JP2015/064743)
[87] (WO2016/189585)

[11] **2,988,555**
[13] C

[51] **Int.Cl. F02K 3/10 (2006.01) F23R 3/18 (2006.01)**

[25] EN
[54] **ENGINE AFT SECTION STRUCTURE**
[54] **STRUCTURE DE SECTION ARRIERE DE MOTEUR**
[72] TANAKA, SHINJI, JP
[72] TAKAHASHI, KATSUYOSHI, JP
[72] HOSOI, JUN, JP
[73] IHI CORPORATION, JP
[85] 2017-12-06
[86] 2015-06-16 (PCT/JP2015/067280)
[87] (WO2016/203540)

[11] **2,990,479**
[13] C

[51] **Int.Cl. A61B 17/22 (2006.01) A61F 2/00 (2006.01) A61M 25/02 (2006.01) A61M 25/10 (2013.01) A61F 2/958 (2013.01)**

[25] EN
[54] **SYSTEM AND METHOD FOR LOW-PROFILE OCCLUSION BALLOON CATHETER**
[54] **SYSTEME DE CATHETER D'OCCLUSION COMPRENANT UN CATHETER DE GONFLAGE ET UN BALLONNET D'OCCLUSION**
[72] FRANKLIN, CURTIS J., US
[72] KRUMMENACHER, TODD J., US
[72] REYNOLDS, JEREMY, US
[72] SPENCER, DAVID, US
[72] FISHER, LUKE WILLIAM, US
[73] PRYTIME MEDICAL DEVICES, INC., US
[85] 2017-12-20
[86] 2017-06-02 (PCT/US2017/035729)
[87] (WO2017/210584)
[30] US (62/344,699) 2016-06-02
[30] US (62/353,388) 2016-06-22
[30] US (62/375,472) 2016-08-16

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26 mars 2019**

[11] *2,990,653
[13] C

[51] **Int.Cl. A63G 7/00 (2006.01) A63G 21/04 (2006.01)**
[25] EN
[54] **AMUSEMENT RIDE WITH CONTROLLABLE HELICAL MOTION OF AN ECCENTRIC RIDER AROUND THE CENTRAL AXIS OF THE ROUTE OF THE RIDER**
[54] **MANEGE A MOUVEMENT HELICOIDAL CONTROLABLE D'UN PASSAGER EXCENTRIQUE AUTOUR DE L'AXE CENTRAL DU TRAJET DU PASSAGER**
[72] KIANI, ALI AK, CA
[73] KIANI, ALI AK, CA
[86] (2990653)
[87] (2990653)
[22] 2018-01-02

[11] *2,992,182
[13] C

[51] **Int.Cl. A63G 7/00 (2006.01) A63G 31/02 (2006.01)**
[25] EN
[54] **AMUSEMENT RIDE WITH CONTROLLABLE AND RACER MOTORCYCLE TO SIMULATE MOTORCYCLE RIDING**
[54] **MANEGE EQUIPE D'UNE MOTOCYCLETTE DE COURSE CONTROLABLE ET MOTOCYCLETTE DE COURSE POUR SIMULER LA CONDUITE D'UNE MOTOCYCLETTE**
[72] KIANI, ALI, CA
[73] KIANI, ALI, CA
[86] (2992182)
[87] (2992182)
[22] 2018-01-17

[11] 2,992,308
[13] C

[51] **Int.Cl. F16H 7/12 (2006.01) F16H 7/08 (2006.01)**
[25] EN
[54] **TENSIONER WITH SECONDARY DAMPING**
[54] **TENDEUR AVEC AMORTISSEMENT SECONDAIRE**
[72] WARD, PETER, US
[72] HARVEY, JOHN, US
[72] STEGELMANN, OLIVER, CA
[73] GATES CORPORATION, US
[85] 2018-01-11
[86] 2016-07-07 (PCT/US2016/041273)
[87] (WO2017/011259)
[30] US (14/797,559) 2015-07-13

[11] 2,994,454
[13] C

[51] **Int.Cl. B64D 11/00 (2006.01) B64D 43/00 (2006.01)**
[25] FR
[54] **DETECTION PROCESS FOR UNEXPECTED EVENT IN AN AIRCRAFT, AND AN AIRCRAFT PROCEDE DE DETECTION D'UN EVENEMENT IMPREVU DANS UN AERONEF, ET UN AERONEF**
[72] FONTAINE, LIONEL, FR
[72] FOURNEAU-PELLETIER, ROMAIN, FR
[72] BILLET-FOISSAC, EMILIE, FR
[73] AIRBUS HELICOPTERS, FR
[86] (2994454)
[87] (2994454)
[22] 2018-02-08
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[11] 3,000,882
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[25] EN
[54] **ALUMINIUM COMPOSITE MATERIAL FOR USE IN THERMAL FLUX-FREE JOINING METHODS AND METHOD FOR PRODUCING SAME**
[54] **MATERIAU COMPOSITE D'ALUMINIUM POUR APPLICATION DANS DES PROCEDES D'ASSEMBLAGE THERMIQUE SANS FLUX ET PROCEDE DE PRODUCTION**
[72] ECKHARD, KATHRIN, DE
[72] RICHTER, THORSTEN, DE
[72] JANSSEN, HARTMUT, DE
[72] EIGEN, NICO, DE
[72] GUSSGEN, OLAF, DE
[73] HYDRO ALUMINIUM ROLLED PRODUCTS GMBH, DE
[85] 2018-04-04
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[25] EN
[54] **ALUMINUM COMPOSITE MATERIAL FOR USE IN THERMAL FLUX-FREE JOINING METHODS AND METHOD FOR PRODUCING SAME**
[54] **MATERIAU COMPOSITE D'ALUMINIUM POUR APPLICATION DANS DES PROCEDES D'ASSEMBLAGE THERMIQUE SANS FLUX ET PROCEDE DE PRODUCTION**
[72] ECKHARD, KATHRIN, DE
[72] GUSSGEN, OLAF, DE
[72] RICHTER, THORSTEN, DE
[72] JANSSEN, HARTMUT, DE
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[73] HYDRO ALUMINIUM ROLLED PRODUCTS GMBH, DE
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[54] **FUEL CELL VEHICLE CONTROL METHOD AND FUEL CELL VEHICLE CONTROL APPARATUS**
[54] **METHODE DE COMMANDE D'UN VEHICULE A PILE A COMBUSTIBLE ET APPAREIL DE COMMANDE D'UN VEHICULE A PILE A COMBUSTIBLE**
[72] SETOGUCHI, HIDEAKI, JP
[72] KUMADA, MITSUNORI, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2018-04-05
[86] 2015-10-05 (PCT/JP2015/078244)
[87] (WO2017/060960)

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[25] EN
[54] **STRUCTURAL MEMBER AND VEHICLE**
[54] **ELEMENT STRUCTUREL ET VEHICULE**
[72] HIROSE, SATOSHI, JP
[72] ISHIMORI, YUICHI, JP
[72] FUKUCHI, HIROSHI, JP
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2018-04-06
[86] 2016-10-11 (PCT/JP2016/080113)
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[25] EN
[54] **EXHAUST COLLECTION BAG FOR CRYOGENIC TREATMENT**
[54] **SAC DE COLLECTE D'EFFLUENTS POUR TRAITEMENT CRYOGENIQUE**
[72] SYLLIAASEN, SCOTT, US
[72] COTE, RIC, US
[72] MALECKI, WILLIAM, US
[73] CHANNEL MEDSYSTEMS, INC., US
[85] 2018-04-06
[86] 2016-10-07 (PCT/US2016/055956)
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[30] US (62/239,139) 2015-10-08

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[25] EN
[54] **METHOD FOR PRODUCING COATING FILM**
[54] **PROCEDE DE FABRICATION DE FILM**
[72] AMARI, NAOMI, JP
[72] TOJO, TAKEHIKO, JP
[73] KAO CORPORATION, JP
[85] 2018-04-12
[86] 2016-10-17 (PCT/JP2016/080674)
[87] (WO2017/069079)
[30] JP (2015-205932) 2015-10-19

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[25] EN
[54] **METHOD FOR PRODUCING COATING FILM**
[54] **PROCEDE DE FABRICATION DE FILM**
[72] AMARI, NAOMI, JP
[72] TOJO, TAKEHIKO, JP
[72] ITO, MOTOAKI, JP
[73] KAO CORPORATION, JP
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[25] EN
[54] **AIRPLANE ENGINE BIRD STRIKE PROTECTION GUARD**
[54] **CAPOT DE PROTECTION CONTRE LES IMPACTS D'OISEAUX POUR MOTEUR D'AERONEF**
[72] BOATENG, WILLIAM BEKOE, US
[73] BOATENG, WILLIAM BEKOE, US
[85] 2018-05-04
[86] 2016-07-07 (PCT/US2016/041278)
[87] (WO2017/078805)
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[51] **Int.Cl. C09D 4/06 (2006.01) C09D 7/63 (2018.01) C09D 5/00 (2006.01) C09D 133/00 (2006.01)**
[25] EN
[54] **SECOND COMPONENT FOR A TWO-COMPONENT SPRAYABLE METHYL-METHACRYLATE BASED PAINT AND METHOD OF PRODUCING THEREOF**
[54] **DEUXIEME COMPOSANTE D'UNE PEINTURE A BASE DE METHYLE-METHACRYLATE PULVERISABLE A DEUX COMPOSANTES ET METHODE DE PRODUCTION ASSOCIEE**
[72] ASELSTYNE, ALEX, CA
[73] THE BETTER LINE INC., CA
[86] (3005828)
[87] (3005828)
[22] 2018-05-24

[11] **3,007,986**
[13] C
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[25] EN
[54] **ABRASIVE SAW CHAIN**
[54] **CHAINE DE SCIE ABRASIVE**
[72] GERLACH, TODD, US
[73] BLOUNT, INC., US
[85] 2018-06-08
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[25] EN

[54] **MOBILE TRANSFER STATION FOR FLOWABLE MATERIAL**

[54] **STATION MOBILE DE TRANSFERT POUR MATERIAU COULANT**

[72] OZINGA, JUSTIN A., US

[73] OZINGA READY MIX CONCRETE, INC., US

[85] 2018-06-11

[86] 2017-04-21 (PCT/US2017/000027)

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[13] C

[51] **Int.Cl. H01M 4/1391 (2010.01)**

[25] EN

[54] **METHOD OF PREPARING CATHODE FOR SECONDARY BATTERY**

[54] **METHODE DE PREPARATION D'UNE CATHODE DESTINEE A UNE BATTERIE SECONDAIRE**

[72] HO, KAM PIU, CN

[72] WANG, RANSHI, CN

[72] SHEN, PEIHUA, CN

[73] GRST INTERNATIONAL LIMITED, CN

[85] 2018-07-17

[86] 2018-01-05 (PCT/CN2018/071679)

[87] (3009357)

[30] US (15/404,227) 2017-01-12

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[13] C

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[25] EN

[54] **COMPOSITION AND METHOD TO FORM DISPLACEMENTS FOR USE IN METAL CASTING**

[54] **COMPOSITION ET PROCEDE SERVANT A FORMER DES DEPLACEMENTS DESTINES A ETRE UTILISES DANS LA FONDERIE DE METAUX**

[72] ROHRBACKER, DAVID A., US

[72] CHATWOOD, JON, US

[72] PALMER, WILLIAM, US

[73] DESTECH CORPORATION, US

[85] 2018-10-11

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[30] US (15/132,031) 2016-04-18

[11] **3,024,539**

[13] C

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[25] EN

[54] **METHOD OF PRODUCING PRESS-FORMED PRODUCT, AND PRESS-FORMED PRODUCT PRODUCTION LINE**

[54] **PROCEDE DE FABRICATION D'UN ARTICLE FORME A LA PRESSE, ET CHAINE DE FABRICATION**

[72] NAKAZAWA, YOSHIKI, JP

[72] NOMURA, NARUHIKO, JP

[72] SUZUKI, TOSHIYA, JP

[72] KUBO, MASAHIRO, JP

[72] ITO, YASUHIRO, JP

[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP

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[51] **Int.Cl. A47B 81/00 (2006.01) A45C 5/04 (2006.01) A47D 13/00 (2006.01) A47G 29/00 (2006.01)**
[25] EN
[54] **ROLL TOP TOY BOX**
[54] **COFFRE A JOUETS A DESSUS RETRACTABLE**
[72] KAZMIERCZAK, GEORGE, CA
[71] KAZMIERCZAK, ANNETTE, CA
[22] 2017-09-11
[41] 2019-03-11

[21] **2,978,784**
[13] A1
[51] **Int.Cl. A47G 27/02 (2006.01) A47G 33/00 (2006.01) G09F 19/22 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **PRAYER MAT / RUG WITH INTEGRATED SCREEN TO DISPLAY THE HOLY QURAN/ RELIGIOUS CONTENTS (EMAT)**
[54] **TAPIS DE PRIERE DOTE D'UN ECRAN INTEGRE AFFICHANT LE CORAN / CONTENU RELIGIEUX (EMAT)**
[72] ALSALLAMI, KHALED KAL, CA
[71] ALSALLAMI, KHALED KAL, CA
[22] 2017-09-11
[41] 2019-03-11

[21] **2,978,809**
[13] A1
[51] **Int.Cl. B60R 21/02 (2006.01) B60R 25/102 (2013.01)**
[25] EN
[54] **SAFETY DETECTION IN SEALED VEHICLE SPACES USING CAPACITIVE SENSORS OR THELIKE**
[54] **DETECTION DE SECURITE DANS LES ESPACES DE VEHICULE ETANCHE AU MOYEN DE DETECTEURS ADAPTATIFS OU SEMBLABLES**
[72] HONEY-JONES, DAVID, CA
[71] UNIVERSAL LIFE ALTERING SYSTEMS LTD., CA
[22] 2017-09-11
[41] 2019-03-11

[21] **2,978,831**
[13] A1
[51] **Int.Cl. G06F 21/57 (2013.01) G06F 11/30 (2006.01)**
[25] EN
[54] **AUTOMATED INFORMATION TECHNOLOGY SUBSTANTIVE TESTING OF SECURITY COMPLIANCE WITHIN A USER'S CONTEXT**
[54] **TEST DE TECHNOLOGIE DE L'INFORMATION SUBSTANTIF AUTOMATISE DE LA CONFORMITE DE SECURITE DANS UN CONTEXTE D'UTILISATEUR**
[72] NOLAN, EUGENE SEAN, AU
[71] INTROSPECTUS PTY LTD, AU
[22] 2017-09-12
[41] 2019-03-12

[21] **2,978,848**
[13] A1
[51] **Int.Cl. B63C 9/125 (2006.01) A41D 1/04 (2006.01) A41D 13/012 (2006.01) B63C 9/18 (2006.01)**
[25] EN
[54] **INFLATABLE SURVIVAL VEST**
[54] **VESTE DE SURVIE GONFLABLE**
[72] WHITE, FRANK, CA
[71] WHITE, FRANK, CA
[22] 2017-09-12
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[21] **2,978,856**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01) A01K 15/02 (2006.01)**
[25] EN
[54] **EVIDENCE-BASED QUALITY CONTROL PROCESS FOR DETECTION DOGS - K9- DETECTION MATRIX (K9-DM)**
[54] **PROCEDE DE CONTROLE DE LA QUALITE FONDE SUR LA PREUVE POUR LA DETECTION DE MATRICE DOGS-K9 (K9-DM)**
[72] LOOD, PETER N., CA
[72] SHIN, WILLIAM H., CA
[72] PERLMUTTER, SHAI, CA
[71] LOOD, PETER N., CA
[22] 2017-09-12
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[13] A1

[51] **Int.Cl. B42D 25/45 (2014.01) B42D 25/309 (2014.01) B42D 25/333 (2014.01) B42D 25/351 (2014.01) B42D 25/41 (2014.01)**

[25] EN

[54] **METHOD FOR MAKING WINDOW, EMBEDDED WATERMARK AND OTHER INTEGRATED SECURITY FEATURES IN A THERMOPLASTIC SECURITY DOCUMENT**

[54] **METHODE DE FABRICATION DE FENETRE, FILIGRANE INTEGRE ET AUTRES CARACTERISTIQUES DE SECURITE INTEGREES DANS UN DOCUMENT DE SECURITE THERMOPLASTIQUE**

[72] GAUDREAU, MARC, CA
[72] PATTERSON, IANTHE E.M., CA
[72] THURAILINGAM, THIVAHARAN, CA

[71] CANADIAN BANK NOTE COMPANY, LIMITED, CA

[22] 2017-09-11
[41] 2019-03-11

[21] **2,978,894**
[13] A1

[51] **Int.Cl. A41D 13/005 (2006.01) A41D 13/012 (2006.01) B63C 9/105 (2006.01) B63C 11/04 (2006.01)**

[25] EN

[54] **SUB-SEA DIVE SUIT HEATED WITH A WEARER'S BREATH**

[54] **VETEMENT DE PLONGEE SOUS-MARINE CHAUFFE PAR LE SOUFFLE DE L'UTILISATEUR**

[72] WHITE, FRANK, CA
[71] WHITE, FRANK, CA

[22] 2017-09-12
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[21] **2,978,896**
[13] A1

[51] **Int.Cl. A46B 5/02 (2006.01) A45D 34/04 (2006.01) A45D 40/26 (2006.01) A46B 15/00 (2006.01)**

[25] EN

[54] **DOUBLE SLAY OVAL BRUSH**

[54] **BROSSE OVALE A DOUBLE BATTANT**

[71] LA VANENI, CA

[22] 2017-09-12
[41] 2019-03-12

[21] **2,978,898**
[13] A1

[51] **Int.Cl. E05D 13/00 (2006.01) E05D 15/16 (2006.01) E06B 3/44 (2006.01)**

[25] EN

[54] **GARAGE DOOR NOISE REDUCTION ROLLER ASSEMBLY**

[54] **MECANISME DE ROULEAUX DE REDUCTION DU BRUIT D'UNE PORTE DE GARAGE**

[72] KELLEY, ROBERT A., US
[71] KELLEY, ROBERT A., US

[22] 2017-09-12
[41] 2019-03-12

[21] **2,978,901**
[13] A1

[51] **Int.Cl. E05D 11/08 (2006.01) E05D 3/02 (2006.01) E05D 15/38 (2006.01)**

[25] EN

[54] **GARAGE DOOR HINGE WITH NOISE REDUCTION INSERT**

[54] **CHARNIERE DE PORTE DE GARAGE EQUIPEE D'UNE INSERTION DE REDUCTION DE BRUIT**

[72] KELLEY, ROBERT A., US
[71] KELLEY, ROBERT A., US

[22] 2017-09-12
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[21] **2,978,912**
[13] A1

[51] **Int.Cl. E05C 7/04 (2006.01)**

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[54] **PANEL LOCK CONSTRUCT**

[54] **CONSTRUCTION DE VERROU DE PANNEAU**

[72] BOGDANOVICH, JAMIE, CA
[72] POLLOCK, JOEL, CA
[71] BOGDANOVICH, JAMIE, CA
[71] POLLOCK, JOEL, CA

[22] 2017-09-12
[41] 2019-03-12

[21] **2,978,938**
[13] A1

[51] **Int.Cl. E04B 1/94 (2006.01) C03C 13/06 (2006.01)**

[25] EN

[54] **IMPROVED SYSTEM AND METHODS FOR FIRE RESISTANT PANELS**

[54] **SYSTEMES ET METHODES AMELIORES DESTINES A DES PANNEAUX IGNIFUGES**

[72] KENNEDY, DAVID, CA
[71] MOD PANEL MANUFACTURING LTD., CA

[22] 2017-09-12
[41] 2019-03-12

[21] **2,978,974**
[13] A1

[51] **Int.Cl. B24B 7/18 (2006.01) E01C 19/22 (2006.01) E04F 21/20 (2006.01)**

[25] EN

[54] **MODULAR GRINDER VEHICLE**

[54] **VEHICULE BROYEUR MODULAIRE**

[72] GRAHAM, DAVID, CA
[71] GRAHAM, DAVID, CA

[22] 2017-09-11
[41] 2019-03-11

[21] **2,979,004**
[13] A1

[51] **Int.Cl. G01R 31/12 (2006.01) G01R 1/06 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR EVALUATING NON-CERAMIC INSULATORS WITH CONFORMAL PROBE**

[54] **APPAREIL ET METHODE D'EVALUATION D'ISOLANTS NON CERAMIQUES AU MOYEN D'UNE SONDRE CONFORME**

[72] PHILLIPS, ANDREW JOHN, US
[72] MAJOR, J. MARK, US
[72] LYNCH, ROBERT CARLTON, US
[72] HARREL, LESTER RAY, US
[71] ELECTRIC POWER RESEARCH INSTITUTE, INC., US

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[25] EN
[54] **SPRINKLER HEAD STABILIZER**
[54] **STABILISATEUR DE TETE DE GICLEUR**
[72] LABERGE, PAUL, CA
[71] LABERGE, PAUL, CA
[22] 2017-09-13
[41] 2019-03-13

[21] **2,979,017**
[13] A1

[51] **Int.Cl. F16M 13/02 (2006.01) A47G 23/02 (2006.01) A61G 5/10 (2006.01)**
[25] EN
[54] **CUP HOLDER**
[54] **PORTE-GOBELET**
[72] STIGAS, CHRIS, CA
[71] STIGAS, CHRIS, CA
[22] 2017-09-12
[41] 2019-03-12

[21] **2,979,118**
[13] A1

[51] **Int.Cl. G01N 27/82 (2006.01) G01M 17/013 (2006.01)**
[25] EN
[54] **METHOD OF AND APPARATUS FOR INSPECTING A FERROMAGNETIC OBJECT**
[54] **METHODE ET APPAREIL D'INSPECTION D'UN OBJET FERROMAGNETIQUE**
[72] BLUM, DIETER WOLFGANG, CA
[71] KAL TIRE, CA
[22] 2017-09-12
[41] 2019-03-12

[21] **2,979,133**
[13] A1

[51] **Int.Cl. E04F 13/07 (2006.01)**
[25] EN
[54] **DISTANCE SPACER FOR INSTALLATION OF CLADDING OVER EXTERIOR INSULATION LAYERS ON HOUSES AND OTHER BUILDINGS**
[54] **ESPACEUR DESTINE A L'INSTALLATION DE REVETEMENT SUR DES COUCHES D'ISOLANT EXTERIEUR DE MAISONS ET AUTRES IMMEUBLES**
[72] HEDGES, SCOTT A., US
[72] LA VARDERA, GREGORY, US
[71] HEDGES, SCOTT A., US
[71] LA VARDERA, GREGORY, US
[22] 2017-09-14
[41] 2019-03-13
[30] US (62558038) 2017-09-13

[21] **2,979,153**
[13] A1

[51] **Int.Cl. E03F 5/14 (2006.01) E02D 29/12 (2006.01) E03C 1/264 (2006.01)**
[25] EN
[54] **CATCH BASIN TRAP WITH FLEXIBLE OUTLET PIPE CONNECTOR**
[54] **TRAPPE DE PUISARD DOTEE D'UN RACCORD DE TUYAU DE SORTIE SOUPLE**
[72] RECCHIA, MARIO, CA
[71] DECAST LTD., CA
[22] 2017-09-14
[41] 2019-03-14

[21] **2,979,156**
[13] A1

[51] **Int.Cl. F25D 3/00 (2006.01) A47F 10/00 (2006.01)**
[25] FR
[54] **INSTRUCTION AND EXCHANGE SYSTEM FOR REUSABLE EXCHANGEABLE REFRIGERATED RIGID PLASTIC BLOCKS PREVIOUSLY REFRIGERATED AND ENABLING THE CONSERVATION OF FOOD**
[54] **SYSTEME DE CONSIGNE ET D'ECHANGE DE BLOCS DE PLASTIQUE RIGIDE REFRIGERANT REUTILISABLES ET ECHANGEABLES PREALABLEMENT REFRIGERE ET PERMETTANT LA CONSERVATION DES DENREES**
[72] OTIS, NANCY, CA
[71] OTIS, NANCY, CA
[22] 2017-09-14
[41] 2019-03-14

[21] **2,979,249**
[13] A1

[51] **Int.Cl. B62D 55/00 (2006.01) B62D 55/07 (2006.01)**
[25] EN
[54] **SNOWMOBILE HAVING A SNOW GUARD**
[54] **MOTONEIGE EQUIPEE D'UN PARE-NEIGE**
[72] TAPIO, JANNE, FI
[71] BRP FINLAND OY, FI
[22] 2017-09-15
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[51] **Int.Cl. H04L 9/30 (2006.01) G06Q 20/38 (2012.01) G06F 21/64 (2013.01) G06F 7/00 (2006.01)**

[25] EN

[54] **MANAGEMENT OF CRYPTOGRAPHICALLY SECURE EXCHANGES OF DATA USING PERMISSIONED DISTRIBUTED LEDGERS**

[54] **GESTION D'ÉCHANGES DE DONNÉES SÉCURISÉES DE MANIÈRE CRYPTOGRAPHIQUE AU MOYEN DE LIVRES DISTRIBUTÉS AVEC AUTORISATION**

[72] CHOW, ARTHUR CARROLL, CA

[72] DUNJIC, MILOS, CA

[72] HALDENBY, PERRY AARON JONES, CA

[72] LEE, JOHN JONG-SUK, CA

[72] NGUYEN, ANTHONY HAITUYEN, CA

[72] DOYLE, CASEY LYN, CA

[72] PATEL, HET ANAND, CA

[72] MCCANN, STEPHEN JOHN, CA

[71] THE TORONTO-DOMINION BANK, CA

[22] 2017-09-14

[41] 2019-03-14

[21] **2,979,261**
[13] A1

[51] **Int.Cl. B60D 1/60 (2006.01) B60D 1/58 (2006.01)**

[25] EN

[54] **SECURITY DEVICE FOR TRAILER HITCH**

[54] **DISPOSITIF DE SÉCURITÉ DESTINÉ À UN ATTELAGE DE REMORQUE**

[72] PARE, ANDRE, CA

[71] PARE, ANDRE, CA

[22] 2017-09-14

[41] 2019-03-14

[21] **2,979,272**
[13] A1

[51] **Int.Cl. E03C 1/04 (2006.01) F16K 11/00 (2006.01)**

[25] EN

[54] **TOP MOUNTING FAUCET ASSEMBLY**

[54] **APPAREIL DE ROBINET À INSTALLATION EN SURFACE**

[72] XIAO, YUEPING, CN

[72] CHANG, TACHUN, TW

[72] ZHOU, ZIQIANG, CN

[71] GLOBE UNION INDUSTRIAL CORP., TW

[22] 2017-09-15

[41] 2019-03-15

[21] **2,979,296**
[13] A1

[51] **Int.Cl. C12Q 1/6883 (2018.01) C12Q 1/6837 (2018.01) C12Q 1/686 (2018.01) C12Q 1/6876 (2018.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR DETECTING BOVINE SPONGIFORM ENCEPHALOPATHY IN CATTLE**

[54] **METHODES ET SYSTEMES DE DÉTECTION DE L'ENCEPHALOPATHIE SPONGIFORME BOVINE CHEZ LE BÉTAIL**

[72] BALKEMA-BUSCHMANN, ANNE, DE

[72] CHURCH, ROBERT B., CA

[72] GORDON, PAUL M. K., CA

[72] GROSCHUP, MARTIN H., DE

[72] SENSEN, CHRISTOPH W., CA

[72] SENSEN, MARIA, CA

[72] KANNANAYAKAL, DEEPTHI T. THOMAS, CA

[71] CNA DIAGNOSTICS INC., CA

[22] 2017-09-15

[41] 2019-03-15

[21] **2,979,349**
[13] A1

[51] **Int.Cl. A01G 9/24 (2006.01) A01G 9/14 (2006.01)**

[25] EN

[54] **SECURE GREENHOUSE**

[54] **SERRE SÉCURISÉE**

[72] ROBERTS, MICHAEL, CA

[71] ROBERTS, MICHAEL, CA

[22] 2017-09-14

[41] 2019-03-14

[21] **2,979,387**
[13] A1

[51] **Int.Cl. B60P 7/04 (2006.01)**

[25] EN

[54] **APPARATUS FOR COVERING A CONTAINER LOAD**

[54] **APPAREIL SERVANT À RECOUVRIR UN CHARGEMENT DE CONTENEUR**

[72] TEICHROB, GARY WAYNE, CA

[72] MASON, PATRICK SCOTT, CA

[72] MARTENS, ALAN ARTHUR, CA

[72] THIESSEN, KEVIN BRENT, CA

[72] BREZDEN, JAMES RYAN, CA

[72] YOUNIE, ROBERT DOUGLAS, CA

[72] HO, DENNIS KEITH, CA

[72] VAN KLEECK, BRENT DOUGLAS, CA

[72] STANDEVEN, KEVIN JAMES, CA

[71] TY-CROP MANUFACTURING LTD., CA

[22] 2017-09-14

[41] 2019-03-14

[21] **2,979,441**
[13] A1

[51] **Int.Cl. B65H 75/44 (2006.01) B65G 9/00 (2006.01) B66D 1/60 (2006.01) F21V 21/36 (2006.01) F21V 21/38 (2006.01) F21V 23/06 (2006.01) H02G 11/02 (2006.01)**

[25] EN

[54] **PAYLOAD SUSPENSION DEVICE**

[54] **DISPOSITIF DE SUSPENSION DE CHARGE**

[72] BISIKER, MALCOLM, CA

[71] BISIKER, MALCOLM, CA

[22] 2017-09-15

[41] 2019-03-15

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[21] **2,979,451**
[13] A1

[51] **Int.Cl. A61J 3/00 (2006.01) A61K 9/00 (2006.01)**
[25] EN
[54] **DIRECT PROBE SENSED TEMPERATURE METHOD FOR SPEED CHANGE FOR HEAT SENSITIVE PORTIONS OF A THERMOKINETICALLY MELT BLENDED BATCH**
[54] **METHODE DE CAPTAGE DIRECT DE LA TEMPERATURE A L'AIDE D'UNE SONDE SERVANT AU CHANGEMENT RAPIDE DES PORTIONS SENSIBLES A LA CHALEUR D'UN LOT MELANGE FONDU DE MANIERE THERMOCINETIQUE**
[72] BROUGH, CHRIS, US
[71] DISPERSOL TECHNOLOGIES, LLC, US
[22] 2017-09-15
[41] 2019-03-15

[21] **2,979,859**
[13] A1

[51] **Int.Cl. C09K 21/14 (2006.01) F21K 9/00 (2016.01) F21V 3/06 (2018.01) C08J 3/02 (2006.01) C08L 25/06 (2006.01) C08L 27/06 (2006.01) C08L 33/12 (2006.01) C08L 83/04 (2006.01) G02B 1/04 (2006.01)**
[25] EN
[54] **INHERENTLY FLAME RETARDANT COMPOUND TO DIFFUSE VISIBLE LIGHT FROM FIXTURES CONTAINING LIGHT EMITTING DIODES**
[54] **COMPOSE IGNIFUGE DE MANIERE INHERENTE SERVANT A DIFFUSER LA LUMIERE VISIBLE DES APPAREILS D'ECLAIRAGE CONTENANT DES DIODES ELECTROLUMINESCENTES**
[72] WU, JINPING, US
[72] LEE, SANG, US
[71] POLYONE CORPORATION, US
[22] 2017-09-21
[41] 2019-03-14
[30] US (15/705018) 2017-09-14

[21] **2,980,179**
[13] A1

[51] **Int.Cl. H01B 13/06 (2006.01) F04D 13/08 (2006.01) H01B 7/282 (2006.01) H01B 13/28 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ENHANCED MAGNET WIRE INSULATION**
[54] **SYSTEME ET METHODE D'ISOLATION AMELIOREE DE FIL AIMANTE**
[72] PARMETER, LARRY, US
[72] LEAMY, BRETT, US
[72] LUNK, DAVID, US
[72] JOHNSON, KEITH, US
[71] SUMMIT ESP, LLC, US
[22] 2017-09-22
[41] 2019-03-11
[30] US (15/701,164) 2017-09-11

[21] **2,989,275**
[13] A1

[51] **Int.Cl. C25C 7/02 (2006.01) C25C 1/08 (2006.01) C25C 1/10 (2006.01) C25C 1/12 (2006.01) C25C 1/16 (2006.01)**
[25] EN
[54] **COMPOSITE ANODE UNIT, ANODE PLATE AND METHODS FOR PREPARING THE SAME**
[54] **MODULE D'ANODE EN COMPOSITE, PLAQUE D'ANODE ET METHODES DE PREPARATION ASSOCIEE**
[72] GUO, ZHONGCHENG, CN
[72] HUANG, HUI, CN
[72] CHEN, BUMING, CN
[72] LI, XUELONG, CN
[72] ZHU, PANLONG, CN
[72] DONG, JIN, CN
[72] PAN, MINGXI, CN
[72] HUANG, FENG, CN
[72] HUANG, TAIXIANG, CN
[72] TAN, NING, CN
[72] HUANG, CHUTAO, CN
[71] KUNMING HENDERA SCIENCE AND TECHNOLOGY CO., LTD., CN
[71] KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY, CN
[71] JINNING HENDERA SCIENCE AND TECHNOLOGY CO., LTD., CN
[22] 2017-12-18
[41] 2019-03-11
[30] CN (201710812458.0) 2017-09-11

[21] **2,993,378**
[13] A1

[51] **Int.Cl. C07D 519/00 (2006.01) A61K 31/475 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **VINBLASTINE 20' AMIDES: SYNTHETIC ANALOGS THAT MAINTAIN OR IMPROVE POTENCY AND SIMULTANEOUSLY OVERCOME PGP-DERIVED EFFLUX AND RESISTANCE**
[54] **AMIDES DE VINBLASTINE 20' : ANALOGUES SYNTHETIQUES QUI MAINTIENNENT OU AMELIORENT LE POTENTIEL ET SURMONTENT SIMULTANEMENT L'EFFLUENCE ET LA RESISTANCE DERIVEES DE PGP**
[72] BOGER, DALE, US
[71] THE SCRIPPS RESEARCH INSTITUTE, US
[22] 2018-01-30
[41] 2019-03-15
[30] US (62/559295) 2017-09-15

[21] **2,993,587**
[13] A1

[51] **Int.Cl. E01B 35/12 (2006.01) E01B 35/00 (2006.01)**
[25] EN
[54] **TRACK LOADING TOOL**
[54] **OUTIL DE CHARGEMENT DE PISTE**
[72] FRITSCH, MATT, US
[72] OGORZALEK, JEREMY, US
[72] WATERWORTH, TOM, US
[72] SCHWERT, ERIC, US
[72] DECKER, ARNOLD, US
[72] JOHNSON, TYLER JEFFREY, US
[71] ACTUANT CORPORATION, US
[22] 2018-01-31
[41] 2019-03-14
[30] US (62/558,828) 2017-09-14

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[21] **2,997,141**
[13] A1

[51] **Int.Cl. H04L 29/02 (2006.01) H04L 12/24 (2006.01)**
[25] EN
[54] **CLUSTERING IN UNIFIED COMMUNICATION AND COLLABORATION SERVICES**
[54] **GROUPEMENT DANS LES SERVICES UNIFIES DE COMMUNICATION ET COLLABORATION**
[72] NGUYEN, HOANG LONG, US
[72] PAREKH, ASIM, US
[71] MITEL NETWORKS, INC., US
[22] 2018-03-01
[41] 2019-03-13
[30] US (15/703910) 2017-09-13

[21] **2,999,204**
[13] A1

[51] **Int.Cl. B29C 51/14 (2006.01)**
[25] EN
[54] **WEATHER RESISTANT THERMOFORMED ARTICLES**
[54] **ARTICLES THERMOFORMES RESISTANT AUX INTEMPERIES**
[72] SHORT, ERIC D., US
[71] PREMIER MATERIAL CONCEPTS LLC, US
[22] 2018-03-26
[41] 2019-03-11
[30] US (62/556,699) 2017-09-11
[30] US (15/910,171) 2018-03-02

[21] **3,004,225**
[13] A1

[51] **Int.Cl. B32B 3/28 (2006.01) B32B 3/08 (2006.01)**
[25] EN
[54] **A COMPOSITE SANDWICH PANEL WITH A SANDWICH AREA**
[54] **UN PANNEAU ETAGE COMPOSITE COMPORTANT UNE ZONE ETAGEE**
[72] FINK, AXEL, DE
[72] EINZMANN, CONSTANTIN, DE
[71] AIRBUS HELICOPTERS DEUTSCHLAND GMBH, DE
[22] 2018-05-07
[41] 2019-03-14
[30] EP (17400053.9) 2017-09-14

[21] **2,997,797**
[13] A1

[51] **Int.Cl. G06K 9/62 (2006.01) G06F 17/27 (2006.01)**
[25] EN
[54] **BILSTM-SIAMESE NETWORK BASED CLASSIFIER FOR IDENTIFYING TARGET CLASS OF QUERIES AND PROVIDING RESPONSES THEREOF**
[54] **CLASSIFICATEUR FONDE SUR UN RESEAU BILSTM-SIAMOIS SERVANT A L'IDENTIFICATION DE CLASSE CIBLE DE REQUETES ET LA FOURNITURE DE REPNSES ASSOCIEES**
[72] AGARWAL, PUNEET, IN
[72] KHURANA, PRERNA, IN
[72] SHROFF, GAUTAM, IN
[72] VIG, LOVEKESH, IN
[72] SRINIVASAN, ASHWIN, IN
[71] TATA CONSULTANCY SERVICES LIMITED, IN
[22] 2018-03-07
[41] 2019-03-11
[30] IN (201721032101) 2017-09-11

[21] **3,002,370**
[13] A1

[51] **Int.Cl. B65D 43/06 (2006.01)**
[25] EN
[54] **METHOD OF MANUFACTURING AN IMPROVED DISPOSABLE LID**
[54] **METHODE DE FABRICATION D'UN COUVERCLE JETABLE AMELIORE**
[72] SARNOFF, BRAD, US
[72] PATEL, RAJ, US
[71] HFA, INC., US
[22] 2018-04-23
[41] 2019-03-11
[30] US (15/700,569) 2017-09-11

[21] **3,005,912**
[13] A1

[51] **Int.Cl. G01D 21/02 (2006.01) B64D 43/00 (2006.01) B64D 45/00 (2006.01) B64D 47/02 (2006.01)**
[25] EN
[54] **CO-LOCATION OF AIRBONE ATMOSPHERIC PARTICULATE SENSING WITH AIRCRAFT LIGHTING**
[54] **COLOCALISATION DE DETECTION DE PARTICULE ATMOSPHERIQUE AEROPORTEE AU MOYEN DE L'ECLAIRAGE D'UN AERONEF**
[72] FAN, XIAO ZHU, US
[72] NORTH CUTT, BRETT GORDON, US
[72] HODGE, STANLEY ROBERT, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2018-05-22
[41] 2019-03-12
[30] US (62/557,570) 2017-09-12
[30] US (15/903,411) 2018-02-23

[21] **3,002,783**
[13] A1

[51] **Int.Cl. A47J 19/00 (2006.01)**
[25] FR
[54] **CENTRIFUGE FOR FRYER**
[54] **CENTRIFUGUEUSE A FRITURE**
[72] AUBIN, ALEXANDRE, CA
[71] AUBIN, ALEXANDRE, CA
[22] 2018-05-23
[41] 2019-03-11

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[21] **3,006,198**
[13] A1

[51] **Int.Cl. A01K 13/00 (2006.01) E04F 10/02 (2006.01)**
[25] EN
[54] **PORTABLE LIVESTOCK SUN SHADE**
[54] **PARE-SOLEIL PORTABLE DESTINE AU BETAIL**
[72] HARVEY, CHRISTOPHER, US
[72] FATHKE, DANIEL, US
[72] SHORMA, WILLIAM, US
[72] HEJNA, ANDREW, US
[71] RUSH COMPANY, INC., US
[22] 2018-05-25
[41] 2019-03-13
[30] US (62/557993) 2017-09-13
[30] US (15/894636) 2018-02-12

[21] **3,006,943**
[13] A1

[51] **Int.Cl. B65B 5/00 (2006.01) B65B 5/06 (2006.01) E05B 19/00 (2006.01)**
[25] EN
[54] **KEY BLANK STACK**
[54] **EMPILEMENT DE CLE BRUTE**
[72] PAGE, CHRISTOPHER DEAN, US
[72] PARKER, DEBORAH JOHNSON, US
[72] FISHER, ALLEN SHELTON, US
[71] KABA ILCO CORP., US
[22] 2018-05-31
[41] 2019-03-11
[30] US (62/556,655) 2017-09-11

[21] **3,007,800**
[13] A1

[51] **Int.Cl. F16M 3/00 (2006.01) B66C 1/66 (2006.01) B66C 23/78 (2006.01) E01C 9/08 (2006.01) E02D 27/44 (2006.01)**
[25] EN
[54] **CRANE MAT SYSTEM AND METHOD**
[54] **SYSTEME DE TABLIER DE GRUE ET METHODE**
[72] ANZOLA, GUSTAVO, US
[71] GREENFIELD PRODUCTS, LLC, US
[22] 2018-06-11
[41] 2019-03-15
[30] US (15/705,791) 2017-09-15

[21] **3,008,351**
[13] A1

[51] **Int.Cl. G08G 5/00 (2006.01) H04H 20/59 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REAL-TIME CLASSIFICATION OF NOTAMS MESSAGES**
[54] **SYSTEME ET METHODE DE CLASSEMENT DE MESSAGES NOTAM EN TEMPS REEL**
[72] IDUPUNUR, KRISHNA, US
[72] SRIVASTAV, AMIT, US
[72] KUSUMA, MURALI KRISHNA, US
[72] BUPATHI, SHIVARAMAKRISHNA, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2018-06-14
[41] 2019-03-14
[30] US (15/704,959) 2017-09-14

[21] **3,008,986**
[13] A1

[51] **Int.Cl. G05D 1/10 (2006.01) B64D 47/00 (2006.01)**
[25] EN
[54] **AUTOMATIC FLIGHT CONTROL SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE COMMANDE DE VOL AUTOMATIQUE**
[72] WYATT, IVAN SANDY, US
[72] MELENDEZ, LUIS VENTURA, US
[72] KOENIG, JOHN, US
[72] ENGELS, JARY, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2018-06-20
[41] 2019-03-11
[30] US (15/700,416) 2017-09-11

[21] **3,009,690**
[13] A1

[51] **Int.Cl. B29C 64/106 (2017.01) B33Y 40/00 (2015.01) B33Y 80/00 (2015.01) B32B 3/08 (2006.01)**
[25] EN
[54] **COMPOSITE STRUCTURES INCORPORATING ADDITIVE MANUFACTURED COMPONENTS**
[54] **STRUCTURES COMPOSITES INCORPORANT DES COMPOSANTES FABRIQUEES DE MANIERE ADDITIVE**
[72] RILEY, P. GRAVES H., US
[72] CAMPBELL, DANIEL S., US
[72] COTTRELL, DANIEL, US
[71] AURORA FLIGHT SCIENCES CORPORATION, US
[22] 2018-06-26
[41] 2019-03-13
[30] US (15/703,510) 2017-09-13

[21] **3,009,863**
[13] A1

[51] **Int.Cl. B62L 3/06 (2006.01) B62K 11/14 (2006.01) B62K 23/06 (2006.01)**
[25] EN
[54] **MOTORCYCLE CLUTCH HOLDING DEVICE**
[54] **DISPOSITIF DE RETENUE D'EMBRAYAGE DE MOTOCYCLETTE**
[72] OTT, DAVID, US
[72] ELWELL, JAMES P., US
[72] OTT, DIANE, US
[72] QUICK, TRENT, US
[72] WAGNER, JOHN, US
[72] ADAIR, PAUL THOMAS, US
[72] HARRISON, CHRIS, US
[71] OTT, DAVID, US
[22] 2018-06-27
[41] 2019-03-13
[30] US (15/703,618) 2017-09-13

[21] **3,009,959**
[13] A1

[51] **Int.Cl. H02J 9/02 (2006.01) B25F 5/00 (2006.01)**
[25] EN
[54] **POWER SUPPLY CONTINUITY SYSTEM**
[54] **SYSTEME DE CONTINUTE D'ALIMENTATION ELECTRIQUE**
[72] CRASS, MATTHEW M., US
[71] SNAP-ON INCORPORATED, US
[22] 2018-06-28
[41] 2019-03-13
[30] US (15/702,903) 2017-09-13

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[21] **3,010,367**
 [13] A1

[51] **Int.Cl. A01C 7/20 (2006.01)**
 [25] EN
 [54] **SYSTEM AND METHOD FOR SWITCHING BETWEEN SEED TYPES DURING A MULTI-VARIETY SEED PLANTING OPERATION**
 [54] **SYSTEMES ET METHODE DE CHANGEMENT DE TYPES DE SEMENCES PENDANT UNE OPERATION DE PLANTATION DE PLUSIEURS VARIETES DE SEMENCES**
 [72] SCHOENY, CHRISTOPHER, US
 [72] JOHNSON, CHAD M., US
 [71] CNH INDUSTRIAL AMERICA LLC, US
 [22] 2018-07-04
 [41] 2019-03-14
 [30] US (15/704,472) 2017-09-14

[21] **3,010,524**
 [13] A1

[51] **Int.Cl. B21D 28/10 (2006.01) B21D 28/26 (2006.01) B21D 31/02 (2006.01)**
 [25] EN
 [54] **TEXTURED SHEET METAL, AND PROCESS AND APPARATUS FOR PRODUCING TEXTURED SHEET METAL**
 [54] **FEUILLE METALLIQUE TEXTUREE, ET PROCEDE ET APPAREIL DE FABRICATION D'UNE FEUILLE METALLIQUE TEXTUREE**
 [72] ARBESMAN, RAY, CA
 [71] NUGRIPMETAL S.A.R.L., LU
 [22] 2018-07-05
 [41] 2019-03-13
 [30] US (15/703210) 2017-09-13

[21] **3,012,795**
 [13] A1

[51] **Int.Cl. A61M 1/00 (2006.01) A61B 90/00 (2016.01) A61B 17/00 (2006.01) A61J 1/05 (2006.01) A61J 1/14 (2006.01)**
 [25] EN
 [54] **BONE DUST TRAP**
 [54] **PIEGE DE POUSSIERE D'OS**
 [72] MOLCHANOV, RUSLAN, CA
 [72] MOLCHANOVA, IRYNA, CA
 [71] MOLCHANOV, RUSLAN, CA
 [71] MOLCHANOVA, IRYNA, CA
 [22] 2018-07-30
 [41] 2019-03-11

[21] **3,012,920**
 [13] A1

[51] **Int.Cl. F01D 25/20 (2006.01) F02C 7/06 (2006.01)**
 [25] EN
 [54] **TURBOMACHINE LUBRICATION UNIT METHOD OF MANUFACTURE**
 [54] **METHODE DE FABRICATION D'UN MODULE DE LUBRIFICATION D'UNE TURBOMACHINE**
 [72] CHENOUX, MATHIEU, BE
 [72] FELLIN, NICOLAS, BE
 [71] SAFRAN AERO BOOSTERS SA, BE
 [22] 2018-07-31
 [41] 2019-03-15
 [30] BE (2017/5656) 2017-09-15

[21] **3,013,001**
 [13] A1

[51] **Int.Cl. F17C 1/02 (2006.01) B64D 11/00 (2006.01) B64D 47/00 (2006.01) B65D 88/14 (2006.01) F16J 12/00 (2006.01) F17C 1/16 (2006.01)**
 [25] EN
 [54] **DESIGN AND MANUFACTURE OF A CONFORMABLE PRESSURE VESSEL**
 [54] **MODELE ET FABRICATION D'UN RECIPIENT A PRESSION ADAPTABLE**
 [72] ZHAO, WENPING, US
 [72] CHEN, SHIHEMN, US
 [72] PAPPALARDO, DANIEL J., US
 [71] GOODRICH CORPORATION, US
 [22] 2018-07-31
 [41] 2019-03-15
 [30] US (15/706,130) 2017-09-15

[21] **3,013,299**
 [13] A1

[51] **Int.Cl. F01D 9/04 (2006.01) F01D 17/16 (2006.01) F01D 25/16 (2006.01) F04D 29/56 (2006.01)**
 [25] EN
 [54] **AXIAL CASE RING TO MAXIMIZE THRUST BUSHING CONTACT AREA OF VARIABLE VANNE**
 [54] **BAGUE DE BOITIER AXIALE SERVANT A MAXIMISER LA ZONE DE CONTACT DE BAGUE D'APPUI D'UNE VANNE VARIABLE**
 [72] AKER, GRACE, US
 [72] ERTMAN, ALEX, US
 [72] ACKER, JONATHAN, US
 [71] ROLLS-ROYCE CORPORATION, US
 [22] 2018-08-03
 [41] 2019-03-14
 [30] US (15/704,898) 2017-09-14

[21] **3,013,389**
 [13] A1

[51] **Int.Cl. F01D 5/10 (2006.01) F01D 5/02 (2006.01) F01D 5/16 (2006.01) F01D 5/20 (2006.01) F01D 5/26 (2006.01)**
 [25] EN
 [54] **ROTOR WITH NON-UNIFORM BLADE TIP CLEARANCE**
 [54] **ROTOR A DEGAGEMENT DE POINTE D'AUBE NON UNIFORME**
 [72] VEITCH, THOMAS, CA
 [72] ABRARI, FARID, CA
 [72] ADIQUE, ERNEST, CA
 [72] FUDGE, DANIEL, CA
 [72] HEIKURINEN, KARI, CA
 [72] STONE, PAUL, CA
 [72] THERATIL, IGNATIUS, CA
 [72] TOWNSEND, PETER, CA
 [72] URAC, TIBOR, CA
 [71] PRATT & WHITNEY CANADA CORP., CA
 [22] 2018-08-03
 [41] 2019-03-13
 [30] US (15/703,472) 2017-09-13

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[21] **3,013,392**
[13] A1

[51] **Int.Cl. F01D 5/16 (2006.01) F01D 5/10 (2006.01) F04D 29/66 (2006.01)**
[25] EN
[54] **MISTUNED ROTOR FOR GAS TURBINE ENGINE**
[54] **ROTOR DESACCORDE DESTINE A UNE TURBINE A GAZ**
[72] VEITCH, THOMAS, CA
[72] ABRARI, FARID, CA
[72] ADIQUE, ERNEST, CA
[72] FUDGE, DANIEL, CA
[72] HEIKURINEN, KARI, CA
[72] STONE, PAUL, CA
[72] THERATIL, IGNATIUS, CA
[72] TOWNSEND, PETER, CA
[72] URAC, TIBOR, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2018-08-03
[41] 2019-03-15
[30] US (15/706,247) 2017-09-15

[21] **3,013,393**
[13] A1

[51] **Int.Cl. F01D 5/10 (2006.01) F01D 5/14 (2006.01) F01D 5/16 (2006.01)**
[25] EN
[54] **MISTUNED COMPRESSOR ROTOR WITH HUB SCOOPS**
[54] **ROTOR DE COMPRESSEUR DESACCORDE DOTE DE COUPELLES DE MOYEU**
[72] ANAND, KARAN, CA
[72] ABRARI, FARID, CA
[72] ADIQUE, ERNEST, CA
[72] AITCHISON, PAUL, CA
[72] FUDGE, DANIEL, CA
[72] HEIKURINEN, KARI, CA
[72] STONE, PAUL, CA
[72] URAC, TIBOR, CA
[72] VEITCH, THOMAS, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2018-08-03
[41] 2019-03-15
[30] US (15/706,311) 2017-09-15

[21] **3,014,227**
[13] A1

[51] **Int.Cl. F17C 5/04 (2006.01) B67D 7/04 (2010.01) B67D 7/80 (2010.01) B60S 5/02 (2006.01)**
[25] EN
[54] **GAS SUPPLY DEVICE AND METHOD FOR STARTING OPERATION OF GAS SUPPLY DEVICE**
[54] **DISPOSITIF D'APPROVISIONNEMENT DE GAZ ET METHODE DE DEMARRAGE DU FONCTIONNEMENT DU DISPOSITIF D'APPROVISIONNEMENT DE GAZ**
[72] FUJISAWA, AKITOSHI, JP
[72] NAGURA, KENJI, JP
[71] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBELCO STEEL, LTD.), JP
[22] 2018-08-15
[41] 2019-03-15
[30] JP (2017-177595) 2017-09-15

[21] **3,014,947**
[13] A1

[51] **Int.Cl. B65D 39/00 (2006.01) B65D 43/08 (2006.01)**
[25] EN
[54] **ANTI-ROTATION FEATURES FOR CONTAINERS AND CLOSURES**
[54] **FONCTIONNALITES ANTI-ROTATION DESTINEES A DES CONTENANTS ET DES FERMETURES**
[72] NAUMANN, TOBIAS, FR
[72] WITZ, JEAN-CHRISTOPHE, FR
[71] HUSKY INJECTION MOLDING SYSTEMS LTD., CA
[22] 2018-08-21
[41] 2019-03-13
[30] US (62557795) 2017-09-13

[21] **3,014,960**
[13] A1

[51] **Int.Cl. E06B 9/28 (2006.01) E06B 9/38 (2006.01)**
[25] EN
[54] **CONTROL SYSTEM FOR WINDOW SHUTTER**
[54] **MECANISME DE COMMANDE DE VOLET DE FENETRE**
[72] JAO, JUI-PIN, CN
[72] HSU, WEI-TING, CN
[72] HU, SHU-WEI, CN
[72] CHEN, LIN, CN
[72] NIEN, CHAO-HUNG, CN
[71] NIEN MADE ENTERPRISE CO., LTD, CN
[22] 2018-08-17
[41] 2019-03-11
[30] US (15/700,809) 2017-09-11

[21] **3,015,044**
[13] A1

[51] **Int.Cl. B60N 2/28 (2006.01)**
[25] EN
[54] **FOOT PROP FOR A CHILD SAFETY SEAT**
[54] **SUPPORT DE PIED DESTINE A UN SIEGE DE SECURITE POUR ENFANT**
[72] BOHM, MARTIN, DE
[72] HAAS, MARTIN, DE
[71] BRITAX ROMER KINDERSICHERHEIT GMBH, DE
[22] 2018-08-22
[41] 2019-03-14
[30] EP (17001534.1) 2017-09-14

[21] **3,015,180**
[13] A1

[51] **Int.Cl. A47K 11/12 (2006.01) B60R 15/04 (2006.01) B61D 35/00 (2006.01) B63B 29/14 (2006.01) B64D 11/02 (2006.01) E03D 13/00 (2006.01)**
[25] EN
[54] **WATERLESS URINAL AND METHOD THEREFOR**
[54] **URINOIR SANS EAU ET METHODE ASSOCIEE**
[72] MCINTOSH, DARREN C., US
[71] THE BOEING COMPANY, US
[22] 2018-08-23
[41] 2019-03-13
[30] US (15/702948) 2017-09-13

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[21] **3,015,383**
[13] A1

[51] **Int.Cl. G10K 11/175 (2006.01) F21K 9/00 (2016.01) E04B 1/84 (2006.01) F21V 15/00 (2015.01)**

[25] EN

[54] **MODULAR FIXTURE WITH INTEGRATED ACOUSTIC SOUND ABSORBING HOUSING**

[54] **APPAREIL MODULAIRE DOTE D'UN LOGEMENT ACOUSTIQUE ABSORBANT LE SON**

[72] CZECH, KEN, US

[72] BLAKELEY, MATTHEW ROBERT, US

[72] DESAI, KRUTIN S., US

[71] FOCAL POINT LLC, US

[22] 2018-08-27

[41] 2019-03-15

[30] US (62/559343) 2017-09-15

[30] US (15/973054) 2018-05-07

[21] **3,015,391**
[13] A1

[51] **Int.Cl. A61F 2/02 (2006.01) A61F 5/445 (2006.01) A61M 25/00 (2006.01) A61M 27/00 (2006.01)**

[25] EN

[54] **INTERNAL COLOSTOMY CATHETER**

[54] **CATHETER DE COLOSTOMIE INTERNE**

[72] AVVLN, SRINIVASA MURTHY ARAVALLI, IN

[71] COVIDIEN LP, US

[22] 2018-08-27

[41] 2019-03-13

[30] US (62/557,930) 2017-09-13

[30] US (16/042,381) 2018-07-23

[21] **3,015,428**
[13] A1

[51] **Int.Cl. F02C 9/28 (2006.01) F01D 21/14 (2006.01) F02C 7/22 (2006.01) F02C 9/26 (2006.01) F02C 9/44 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR DIRECTING FUEL FLOW TO AN ENGINE**

[54] **METHODE ET SYSTEME DE GESTION D'ORIENTATION DE FLUX DE CARBURANT VERS UN MOTEUR**

[72] HEBERT, JEREMIE, CA

[72] LAMARRE, SYLVAIN, CA

[72] DES ROCHES-DIONNE, NICOLAS, CA

[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2018-08-24

[41] 2019-03-11

[30] US (15/700,381) 2017-09-11

[21] **3,015,558**
[13] A1

[51] **Int.Cl. F16D 7/02 (2006.01) B64C 13/28 (2006.01)**

[25] EN

[54] **TORQUE TRANSMISSION DEVICE**

[54] **DISPOSITIF DE TRANSMISSION DE COUPLE**

[72] KRACKE, JEREMY, GB

[72] EGAN, JASON, GB

[71] GOODRICH ACTUATION SYSTEMS LIMITED, GB

[22] 2018-08-27

[41] 2019-03-14

[30] EP (17275141.4) 2017-09-14

[21] **3,015,819**
[13] A1

[51] **Int.Cl. G01R 31/04 (2006.01) G01R 31/34 (2006.01) H01R 39/46 (2006.01) H01R 41/00 (2006.01) H02K 13/14 (2006.01)**

[25] EN

[54] **A SPARK DETECTING APPARATUS FOR DEVICES USING ELECTRIC SLIDING CONTACT, A SPARK DETECTING METHOD FOR DEVICES USING ELECTRIC SLIDING CONTACT, A SLIDING ERROR DETECTING APPARATUS FOR DEVICES USING ELECTRIC SLIDING CONTACT, AND A SLIDING ERROR DETECTING METHODS FOR DEVICES USING ELECTRIC ...**

[54] **UN APPAREIL DE DETECTION D'ETINCELLE DESTINE A DES DISPOSITIFS EMPLOYANT UN CONTACT ELECTRIQUE COULISSANT, UNE METHODE DE DETECTION D'ETINCELLE DESTINEE AUX DISPOSITIFS EMPLOYANT UN CONTACT ELECTRIQUE COULISSANT, UNE METHODE DE REDUCTION D'ETINCELLE DESTINEE AUX DISPOSITIFS EMPLOYANT UN CONTACT ELECTRIQUE COULISSANT, UN APPAREIL DE DETECTION D'ERREUR DE ...**

[72] YANAGITA, NORIHITO, JP

[71] MITSUBISHI HITACHI POWER SYSTEMS, LTD., JP

[22] 2018-08-29

[41] 2019-03-13

[30] JP (2017-175578) 2017-09-13

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[21] **3,015,864**
[13] A1

[51] **Int.Cl. H01F 5/06 (2006.01) H01F 27/30 (2006.01) H01F 27/32 (2006.01) H02H 7/00 (2006.01) H02J 3/12 (2006.01) H02J 3/18 (2006.01)**

[25] EN

[54] **INDUCTOR ASSEMBLIES**

[54] **ASSEMBLAGES D'INDUCTEUR**

[72] KOSTAKIS, GRIGORIS, GR

[72] MARATHIAS, MEGAKLIS, GR

[72] XEPAPAS, FOTIS, GR

[72] BAKATSIAIS, KOSTAS, GR

[72] PEPPAS, GEORGE, GR

[72] POLITIS, ZAFIRIS G., GR

[71] RAYCAP IP DEVELOPMENT LTD, CY

[22] 2018-08-30

[41] 2019-03-12

[30] US (62/557289) 2017-09-12

[30] US (16/114287) 2018-08-28

[21] **3,015,886**
[13] A1

[51] **Int.Cl. B29C 64/264 (2017.01) B33Y 30/00 (2015.01) B33Y 40/00 (2015.01) B41J 2/01 (2006.01) C08J 3/28 (2006.01) C08J 5/04 (2006.01)**

[25] EN

[54] **FEEDSTOCK LINES FOR ADDITIVE MANUFACTURING OF AN OBJECT, AND SYSTEMS AND METHODS FOR CREATING FEEDSTOCK LINES**

[54] **CONDUITS DE MATIERES PREMIERES DESTINES A LA FABRICATION ADDITIVE D'UN OBJET, ET SYSTEMES ET METHODES DE CREATION DE CONDUITS DE MATIERES PREMIERES**

[72] WILENSKI, MARK STEWART, US

[72] KOZAR, MICHAEL PATRICK, US

[72] HARRISON, SAMUEL F., US

[72] EVANS, NICK SHADBEH, US

[72] TORRES, FARAON, US

[71] THE BOEING COMPANY, US

[22] 2018-08-29

[41] 2019-03-15

[30] US (15/706492) 2017-09-15

[30] US (15/706476) 2017-09-15

[21] **3,015,896**
[13] A1

[51] **Int.Cl. A61B 17/92 (2006.01) A61F 2/46 (2006.01)**

[25] EN

[54] **ORTHOPAEDIC SURGICAL INSTRUMENT EXTRACTION SYSTEM AND METHOD**

[54] **SYSTEME ET METHODE D'EXTRACTION D'UN INSTRUMENT CHIRURGICAL ORTHOPEDIQUE**

[72] GILSON, LINDSAY L., US

[72] WALCUTT, JEFFREY M., US

[72] WOGOMAN, THOMAS E., US

[72] DEFFENBAUGH, DAREN L., US

[71] DEPUY IRELAND UNLIMITED COMPANY, IE

[22] 2018-08-30

[41] 2019-03-14

[30] US (15/704,087) 2017-09-14

[21] **3,015,901**
[13] A1

[51] **Int.Cl. B28B 11/04 (2006.01) F01D 5/28 (2006.01)**

[25] EN

[54] **REPAIR METHODS FOR SILICON-BASED COMPONENTS**

[54] **METHODES DE REPARATION DESTINEES A DES COMPOSANTES A BASE DE SILICONE**

[72] MANEPALLI, SATYA KISHORE, IN

[72] ANTOLINO, NICHOLAS EDWARD, US

[72] LIPKIN, DON MARK, US

[72] SAHA, ATANU, IN

[71] GENERAL ELECTRIC COMPANY, US

[22] 2018-08-30

[41] 2019-03-14

[30] IN (201741032589) 2017-09-14

[21] **3,016,122**
[13] A1

[51] **Int.Cl. E21B 44/00 (2006.01) E21B 7/04 (2006.01)**

[25] EN

[54] **SYSTEMS, DEVICES, AND METHODS FOR GENERATING DRILLING WINDOWS**

[54] **SYSTEMES, DISPOSITIFS ET METHODES DE PRODUCTION DE FENETRES DE FORAGE**

[72] GILLAN, COLIN, US

[71] NABORS DRILLING TECHNOLOGIES USA, INC., US

[22] 2018-08-31

[41] 2019-03-11

[30] US (15/700845) 2017-09-11

[21] **3,016,393**
[13] A1

[51] **Int.Cl. F23D 14/46 (2006.01) A47J 37/07 (2006.01) F23D 14/10 (2006.01) F23D 14/58 (2006.01) F24C 3/08 (2006.01)**

[25] EN

[54] **BURNER TUBE AND VENTURI FOR GAS GRILL**

[54] **TUBE DE BRULEUR ET VENTURI DESTINES A UN GRILL AU GAZ**

[72] ALDEN, J. MICHAEL, US

[72] SHOEB, MOHAMMED, US

[72] SCHMESKI, KEVIN JAMES, US

[72] ALAVA, ISABEL, ES

[72] ALBIZURI, INIGO, ES

[72] MUGICA, JOSE IGNACIO, ES

[72] DIAZ, LUIS, ES

[71] WEBER-STEPHEN PRODUCTS LLC, US

[22] 2018-09-04

[41] 2019-03-12

[30] US (15/701,542) 2017-09-12

[21] **3,016,554**
[13] A1

[51] **Int.Cl. H02K 41/02 (2006.01) B65G 54/02 (2006.01) H02P 25/06 (2016.01)**

[25] EN

[54] **LONG STATOR LINEAR MOTOR**

[54] **MOTEUR LINEAIRE DE STATOR LONG**

[72] HOLZLEITNER, ALOIS, AT

[72] HOCK, MARTIN, AT

[72] BRUCKER, MICHAEL, AT

[71] B&R INDUSTRIAL AUTOMATION GMBH, AT

[22] 2018-09-05

[41] 2019-03-14

[30] EP (17191106.8) 2017-09-14

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[21] **3,016,647**
[13] A1

[51] **Int.Cl. F25J 1/02 (2006.01) F25J 5/00 (2006.01)**

[25] EN

[54] **MULTI-PRODUCT LIQUEFACTION METHOD AND SYSTEM**

[54] **METHODE ET SYSTEME DE LIQUEFACTION DE PLUSIEURS PRODUITS**

[72] BRUSSOL, LAURENT MARC, FR
[72] HOLZER, DAVID JOSEPH, FR
[72] VOVARD, SYLVAIN, FR
[72] SHNITSER, RUSSELL, US
[72] BROSTOW, ADAM ADRIAN, US
[72] ROBERTS, MARK JULIAN, US
[71] AIR PRODUCTS AND CHEMICALS, INC., US

[22] 2018-09-06
[41] 2019-03-13
[30] US (15/703,321) 2017-09-13

[21] **3,016,742**
[13] A1

[51] **Int.Cl. F01D 9/02 (2006.01) F01D 9/04 (2006.01) F01D 25/24 (2006.01)**

[25] EN

[54] **TURBINE NOZZLE HAVING AN ANGLED INNER BAND FLANGE**

[54] **BUSE DE TURBINE AYANT UNE BRIDE DE BANDE INTERNE INCLINEE**

[72] CZARNECKI, MICHAL, PL
[72] PACHOTA, PIOTR, PL
[72] KOWALCZYK, MICHAL, PL
[72] KRYSZTOPA, ADAM, PL
[71] GENERAL ELECTRIC COMPANY POLSKA SP Z O.O., PL

[22] 2018-09-06
[41] 2019-03-15
[30] EP (17461604.5) 2017-09-15

[21] **3,016,778**
[13] A1

[51] **Int.Cl. C07F 5/02 (2006.01) C09K 11/06 (2006.01) H01L 51/54 (2006.01)**

[25] EN

[54] **ORGANIC MOLECULES, IN PARTICULAR FOR USE IN OPTOELECTRONIC DEVICES**

[54] **MOLECULES ORGANIQUES, DESTINEES EN PARTICULIER AUX DISPOSITIFS OPTOELECTRONIQUES**

[72] BAUMANN, THOMAS; DR., DE
[72] THIRION, DAMIEN; DR., DE
[71] CYNORA GMBH, DE

[22] 2018-09-07
[41] 2019-03-14
[30] DE (10 2017 121 328.7) 2017-09-14

[21] **3,016,789**
[13] A1

[51] **Int.Cl. C07F 5/02 (2006.01) C09K 11/06 (2006.01) H01L 51/54 (2006.01)**

[25] EN

[54] **ORGANIC MOLECULES, IN PARTICULAR FOR USE IN OPTOELECTRONIC DEVICES**

[54] **MOLECULES ORGANIQUES, DESTINEES EN PARTICULIER AUX DISPOSITIFS OPTOELECTRONIQUES**

[72] DUCK, SEBASTIAN, DE
[71] CYNORA GMBH, DE

[22] 2018-09-07
[41] 2019-03-12
[30] DE (10 2017 121 106.3) 2017-09-12

[21] **3,016,790**
[13] A1

[51] **Int.Cl. A43B 17/14 (2006.01) B29D 35/12 (2010.01) A43B 13/02 (2006.01) A43B 17/00 (2006.01)**

[25] EN

[54] **CUSHIONS AND SHOE INSOLES COMPRISING ELASTOMERIC MATERIAL AND METHODS OF FORMING SAME**

[54] **COUSSINETS ET SEMELLES INTERIEURES DE CHAUSSURE COMPRENANT UN MATERIAU ELASTOMERE ET METHODES DE FORMAGE ASSOCIEES**

[72] PEARCE, TONY M., US
[72] PEARCE, TERRY V., US
[72] WHATCOTT, RUSSELL B., US
[72] MOON, SHAWN DAVID, US
[72] ACHARYA, DHYEEY, US
[71] PURPLE INNOVATION, LLC, US

[22] 2018-09-07
[41] 2019-03-11
[30] US (15/700,786) 2017-09-11

[21] **3,016,791**
[13] A1

[51] **Int.Cl. E03C 1/04 (2006.01) E03C 1/02 (2006.01) F16K 11/00 (2006.01)**

[25] EN

[54] **WATERWAY ASSEMBLY FOR A FAUCET**

[54] **MECANISME DE VOIE D'EAU POUR ROBINET**

[72] NELSON, ALFRED CHARLES, US
[72] DEVRIES, ADAM M., US
[71] DELTA FAUCET COMPANY, US

[22] 2018-09-07
[41] 2019-03-15
[30] US (62/559,396) 2017-09-15

[21] **3,016,831**
[13] A1

[51] **Int.Cl. A01D 41/12 (2006.01) A01D 34/04 (2006.01) A01F 12/30 (2006.01)**

[25] EN

[54] **CROP DEFLECTOR FOR A HARVESTING HEAD**

[54] **DEFLECTEUR DE RECOLTE DESTINE A UNE TETE DE RECOLTE**

[72] EYESTONE, JODY I., US
[72] FREEHILL, JUSTIN C., US
[71] DEERE & COMPANY, US

[22] 2018-09-07
[41] 2019-03-14
[30] US (62/558,410) 2017-09-14
[30] US (16/020,072) 2018-06-27

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[21] **3,016,945**
[13] A1

[51] **Int.Cl. C10G 1/04 (2006.01)**
[25] EN
[54] **FROTH WASHING PRIOR TO NAPHTHA DILUTION**
[54] **LAVAGE A LA MOUSSE AVANT LA DILUTION DE NAPHTHA**
[72] NG, YIN MING SAMSON, CA
[72] BHATTACHARYA, SUJIT, CA
[72] YEUNG, ALLAN W.K., CA
[71] SYNCRUDE CANADA LTD., CA
[22] 2018-09-06
[41] 2019-03-11
[30] US (62/556,928) 2017-09-11

[21] **3,016,950**
[13] A1

[51] **Int.Cl. H01Q 15/14 (2006.01) H01Q 1/38 (2006.01)**
[25] EN
[54] **POLARIZING REFLECTOR FOR MULTIPLE BEAM ANTENNAS**
[54] **REFLECTEUR POLARISANT DESTINE A DES ANTENNES MULTIFAISCEAUX**
[72] LEGAY, HERVE, FR
[72] GOUSSETIS, GEORGE, GB
[72] TANG, WENXING, GB
[72] BRESCIANI, DANIELE, FR
[72] CHINIARD, RENAUD, FR
[72] FONSECA, NELSON, NL
[71] THALES, FR
[22] 2018-09-10
[41] 2019-03-11
[30] EP (17306169.8) 2017-09-11

[21] **3,016,957**
[13] A1

[51] **Int.Cl. G07F 17/32 (2006.01) G06K 9/78 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR FACILITING WAGERING ON GAMES CONDUCTED ON AN INDEPENDENT VIDEO GAMING SYSTEM**
[54] **APPAREIL ET METHODES DE FACILITATION DES PARIS SUR DES JEUX MENES SUR UN SYSTEME DE JEU VIDEO INDEPENDANT**
[72] RIGGS, KEITH, US
[72] MEYER, STEVEN, US
[72] MCHUGH, JIM, US
[72] BUSSEY, TRAVIS, US
[72] JACOBS, LOREN, US
[71] EVERI GAMES, INC., US
[22] 2018-09-10
[41] 2019-03-13
[30] US (15/703,396) 2017-09-13

[21] **3,016,966**
[13] A1

[51] **Int.Cl. G01N 33/24 (2006.01)**
[25] FR
[54] **QUANTIFICATION PROCESS FOR PYRITIC SULPHUR AND ORGANIC SULPHUR IN A ROCK SAMPLE**
[54] **PROCEDE POUR LA QUANTIFICATION DU SOUFRE PYRITIQUE ET DU SOUFRE ORGANIQUE D'UN ECHANTILLON DE ROCHE**
[72] ABOUSSOU, ANABEL, FR
[72] LAMOUREUX-VAR, VIOLAINE, FR
[72] PILLOT, DANIEL, FR
[72] KOWALEWSKI, ISABELLE, FR
[72] DOLIGEZ, BRIGITTE, FR
[72] GARCIA, BRUNO, FR
[72] WAGNER, THOMAS, GB
[72] BUCKMAN, JAMES OLIVER, GB
[72] MARZ, CHRISTIAN, GB
[71] IFP ENERGIES NOUVELLES, FR
[22] 2018-09-07
[41] 2019-03-12
[30] FR (17 58 413) 2017-09-12

[21] **3,016,993**
[13] A1

[51] **Int.Cl. H04N 21/2365 (2011.01) H04N 21/2343 (2011.01) H04N 21/854 (2011.01) H04B 1/40 (2015.01) H04Q 1/00 (2006.01)**
[25] EN
[54] **CASCADED STANDARDIZED HOT-PLUGGABLE TRANSCEIVING UNITS PROVIDING A MULTVIEWER FUNCTIONALITY**
[54] **MODULE D'EMETTEUR-RECEPTEUR BRANCHABLE A CHAUD NORMALISE EN CASCADE FOURNISSANT UNE FONCTIONNALITE MULTIECRAN**
[72] LAVOIE, RENAUD, CA
[72] CARON, LOUIS, CA
[72] MARTEL, JOEL, CA
[72] TREMBLAY, DANIEL, CA
[71] EMBRIONIX DESIGN INC., CA
[22] 2018-09-10
[41] 2019-03-11
[30] US (62/556,531) 2017-09-11
[30] US (15/817,337) 2017-11-20

[21] **3,016,997**
[13] A1

[51] **Int.Cl. H04N 21/2343 (2011.01) H04N 21/2365 (2011.01) H04N 21/414 (2011.01) H04N 5/262 (2006.01)**
[25] EN
[54] **CASCADED STANDARDIZED HOT-PLUGGABLE TRANSCEIVING UNITS PROVIDING SCALING AND POSITIONING FUNCTIONALITIES**
[54] **MODULE D'EMETTEUR-RECEPTEUR BRANCHABLE A CHAUD NORMALISE EN CASCADE FOURNISSANT DES FONCTIONNALITES DE MISE A L'ECHELLE ET POSITIONNEMENT**
[72] LAVOIE, RENAUD, CA
[72] CARON, LOUIS, CA
[72] MARTEL, JOEL, CA
[72] TREMBLAY, DANIEL, CA
[71] EMBRIONIX DESIGN INC., CA
[22] 2018-09-10
[41] 2019-03-11
[30] US (62/556,531) 2017-09-11
[30] US (15/832,907) 2017-12-06

Demandes canadiennes mises à la disponibilité du public
10 mars 2019 au 16 mars 2019

[21] **3,017,002**
[13] A1

[51] **Int.Cl. C07F 5/02 (2006.01) C09K 11/06 (2006.01) H01L 51/54 (2006.01)**

[25] EN

[54] **ORGANIC MOLECULES, IN PARTICULAR FOR USE IN OPTOELECTRONIC DEVICES**

[54] **MOLECULES ORGANIQUES, DESTINEES EN PARTICULIER AUX DISPOSITIFS OPTOELECTRONIQUES**

[72] SEIFERMANN, STEFAN, DE

[71] CYNORA GMBH, DE

[22] 2018-09-10

[41] 2019-03-15

[30] DE (10 2017 121 521.2) 2017-09-15

[21] **3,017,004**
[13] A1

[51] **Int.Cl. A61L 2/18 (2006.01) A61B 90/70 (2016.01) A61B 1/12 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD TO REPEATEDLY FILL AND PURGE CHANNELS OF ENDOSCOPE**

[54] **APPAREIL ET METHODE DE REMPLISSAGE ET PURGE REPETES DE CANAUX D'ENDOSCOPE**

[72] YANG, SUNGWOOK, US

[71] ETHICON, INC., US

[22] 2018-09-10

[41] 2019-03-14

[30] US (15/704,276) 2017-09-14

[21] **3,017,005**
[13] A1

[51] **Int.Cl. B23K 26/064 (2014.01) B23K 26/06 (2014.01) B23K 26/073 (2006.01)**

[25] EN

[54] **LASER WELDING APPARATUS AND MANUFACTURING METHOD OF COMPONENT**

[54] **APPAREIL DE SOUDAGE AU LASER ET METHODE DE FABRICATION DE COMPOSANTE**

[72] YAMAGUCHI, KOJI, JP

[71] FUTABA INDUSTRIAL CO., LTD., JP

[22] 2018-09-10

[41] 2019-03-14

[30] JP (2017-176603) 2017-09-14

[21] **3,017,008**
[13] A1

[51] **Int.Cl. G06Q 10/00 (2012.01) G06Q 50/34 (2012.01) G07C 15/00 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR DISPENSING FUNDS IN A LOTTERY**

[54] **METHODE ET APPAREIL DE DISTRIBUTION DE FONDS DANS UNE LOTTERIE**

[72] POLLARD, DOUGLAS E., CA

[72] BETTCHER, NANCY, CA

[72] ROSCHUK, RICHARD B., CA

[72] CHHABRA, AMIT, CA

[71] POLLARD BANKNOTE LIMITED, CA

[22] 2018-09-10

[41] 2019-03-11

[30] US (62556871) 2017-09-11

[21] **3,017,010**
[13] A1

[51] **Int.Cl. C07F 5/02 (2006.01) C09K 11/06 (2006.01) H01L 51/54 (2006.01)**

[25] EN

[54] **ORGANIC MOLECULES, IN PARTICULAR FOR USE IN OPTOELECTRONIC DEVICES**

[54] **MOLECULES ORGANIQUES, DESTINEES EN PARTICULIER AUX DISPOSITIFS OPTOELECTRONIQUES**

[72] PARTHEY, MATTHIAS, DE

[72] BAUMANN, THOMAS, DE

[72] BUDZYNSKI, MATTHIAS, DE

[72] THIRION, DAMIEN, DE

[71] CYNORA GMBH, DE

[22] 2018-09-10

[41] 2019-03-15

[30] DE (10 2017 121 520.4) 2017-09-15

[21] **3,017,017**
[13] A1

[51] **Int.Cl. B65D 1/42 (2006.01) B65D 1/00 (2006.01) B65D 1/38 (2006.01)**

[25] EN

[54] **CONTAINER AND SUPPORT FRAME SYSTEM FOR BULK PRODUCTS**

[54] **SYSTEME DE CONTENANT ET CADRE DE SUPPORT DESTINE AUX PRODUITS EN VRAC**

[72] WITT, STEPHEN HUGH, CA

[71] STANPAC INC., CA

[22] 2018-09-10

[41] 2019-03-11

[30] US (62/556,683) 2017-09-11

[21] **3,017,018**
[13] A1

[51] **Int.Cl. F25B 49/02 (2006.01) F25B 5/02 (2006.01) F25B 40/00 (2006.01) F25B 40/02 (2006.01)**

[25] FR

[54] **SYSTEME DE REFRIGERATION EQUIPE D'UN CONTROLE COMBINE DE SURCHAUFFE ET SOUS-REFROIDISSEMENT**

[54] **REFRIGERATION SYSTEM WITH COMBINED SUPERHEAT AND SUBCOOLING CONTROL**

[72] KHALED, NASSIM, US

[72] HILL, MICHAEL, US

[71] HILL PHOENIX, INC., US

[22] 2018-09-11

[41] 2019-03-12

[30] US (62/557,478) 2017-09-12

[21] **3,017,047**
[13] A1

[51] **Int.Cl. B32B 13/06 (2006.01) E04B 1/94 (2006.01) E04C 2/02 (2006.01) E06B 5/16 (2006.01)**

[25] EN

[54] **FIRE-RETARDANT PANEL WITH LAYERS OR FRAME**

[54] **PANNEAU IGNIFUGE DOTE DE COUCHES OU D'UN CADRE**

[72] GLEN, STEPHEN, US

[72] HUNG, YU-WEI, US

[72] ALSADAH, HASHIM, US

[71] SEMCO LLC, US

[22] 2018-09-11

[41] 2019-03-13

[30] US (62/558,236) 2017-09-13

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[21] **3,017,049**
[13] A1

[51] **Int.Cl. F16L 29/04 (2006.01) B67D 7/06 (2010.01) F16L 37/36 (2006.01)**

[25] FR

[54] **CIRCUIT BREAKER AND HANDLING INSTALLATION FOR PRESSURIZED FLUID INCLUDING SUCH A CIRCUIT BREAKER**

[54] **COUPE-CIRCUIT ET INSTALLATION DE MANUTENTION DE FLUIDE SOUS PRESSION COMPRENANT UN TEL COUPLE-CIRCUIT**

[72] TIBERGHEN, ALAIN-CHRISTOPHE, FR

[72] PASTORE, OLIVIER, FR

[71] STAUBLI FAVERGES, FR

[22] 2018-09-10

[41] 2019-03-15

[30] FR (17 58 573) 2017-09-15

[21] **3,017,051**
[13] A1

[51] **Int.Cl. F16M 1/00 (2006.01) E04H 5/00 (2006.01) F16M 3/00 (2006.01) F16M 7/00 (2006.01)**

[25] EN

[54] **MOBILE PUMP HOUSE**

[54] **LOGEMENT DE POMPE MOBILE**

[72] HAIGHT, RICHARD, CA

[71] WEIR CANADA, INC., CA

[22] 2018-09-11

[41] 2019-03-11

[30] US (62/556819) 2017-09-11

[21] **3,017,052**
[13] A1

[51] **Int.Cl. H04L 29/02 (2006.01) G16Z 99/00 (2019.01) G06F 9/44 (2018.01) G06F 15/16 (2006.01) G06Q 30/00 (2012.01) H04M 3/523 (2006.01)**

[25] EN

[54] **DYNAMIC COMPUTING ENVIRONMENT ALLOCATION FOR CONTACT CENTER INTERACTION**

[54] **ATTRIBUTION D'ENVIRONNEMENT INFORMATIQUE DYNAMIQUE EN VUE D'INTERACTION DE CENTRE DE CONTACT**

[72] HARDY, LYLE, US

[72] DAVIS, EVAN, US

[72] FELLING, FOREST MITCHELL, US

[71] TELEPERFORMANCE SE, FR

[22] 2018-09-11

[41] 2019-03-13

[30] US (15/703,830) 2017-09-13

[21] **3,017,055**
[13] A1

[51] **Int.Cl. H04W 4/024 (2018.01) H04W 84/10 (2009.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR TRANSMITTING DYNAMIC CONTENT TO MOBILE DEVICES**

[54] **SYSTEME ET METHODE DE TRANSMISSION DU CONTENU DYNAMIQUE VERS DES DISPOSITIFS MOBILES**

[72] PODA, DANIEL, CA

[71] YOURHERE INC., CA

[22] 2018-09-11

[41] 2019-03-11

[30] US (62/556769) 2017-09-11

[21] **3,017,067**
[13] A1

[51] **Int.Cl. E03C 1/22 (2006.01) E03C 1/18 (2006.01)**

[25] EN

[54] **SINK AND DRAIN FOR SINK**

[54] **EVIER ET DRAIN D'EVIER**

[72] CHILDS, DANIEL KEATING, US

[72] DALY, SHAWN, US

[72] CHONG, JONATHAN CHEE YEEN, US

[72] LYNCH, ERIK, US

[72] ZUDIC, ROBERT, US

[72] WAAS, CHRISTOPHER, US

[71] ELKAY MANUFACTURING COMPANY, US

[22] 2018-09-11

[41] 2019-03-11

[30] US (15/700,928) 2017-09-11

[21] **3,017,078**
[13] A1

[51] **Int.Cl. B60R 13/01 (2006.01) B62D 33/02 (2006.01)**

[25] EN

[54] **VEHICLE BED LINER AND CARGO MANAGEMENT SYSTEM**

[54] **REVETEMENT DE PLATEFORME DE VEHICULE ET SYSTEME DE GESTION DE CHARGEMENT**

[72] BRIGGS, JEFFREY MARK, US

[72] MOSSBERG, JONATHAN ERIK, US

[71] BRIGGS, JEFFREY MARK, US

[71] MOSSBERG, JONATHAN ERIK, US

[22] 2018-09-11

[41] 2019-03-11

[30] US (62/556,620) 2017-09-11

[21] **3,017,082**
[13] A1

[51] **Int.Cl. A61K 36/45 (2006.01) A61K 35/741 (2015.01) A61K 35/745 (2015.01) A61K 35/747 (2015.01) A61K 31/555 (2006.01) A61K 33/06 (2006.01) A61K 36/82 (2006.01) A61K 36/87 (2006.01) A61P 1/00 (2006.01)**

[25] EN

[54] **ORAL AND INTESTINAL HEALTH PRODUCTS**

[54] **PRODUITS DE SANTE BUCCALE ET INTESTINALE**

[72] FINE, KENNETH DAVIN, US

[71] FINE, KENNETH DAVIN, US

[22] 2018-09-11

[41] 2019-03-11

[30] US (62/556,682) 2017-09-11

[30] US (16/126,858) 2018-09-10

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[21] **3,017,083**
[13] A1

[51] **Int.Cl. B23K 11/11 (2006.01) B23K 11/24 (2006.01)**
[25] EN
[54] **RESISTANCE WELDING METHOD AND RESISTANCE WELDING APPARATUS**
[54] **METHODE DE SOUDAGE PAR RESISTANCE ET APPAREIL DE SOUDAGE PAR RESISTANCE**
[72] WATANABE, SHINYA, JP
[72] SAITO, YASUHISA, JP
[72] HIRAYAMA, SHINYU, JP
[72] SAWAMURA, HIRONORI, JP
[72] NAGAYOSHI, SHOHO, JP
[72] TAN, XIHAO, JP
[72] WATANABE, SUMITOMO, JP
[72] MORITA, TAKAHIRO, JP
[72] SAITO, HITOSHI, JP
[71] HONDA MOTOR CO., LTD., JP
[22] 2018-09-11
[41] 2019-03-13
[30] JP (2017-175321) 2017-09-13

[21] **3,017,084**
[13] A1

[51] **Int.Cl. B61L 29/32 (2006.01)**
[25] EN
[54] **ADVANCED PREEMPTION USING THE WAYSIDE INSPECTOR AND WIRELESS MAGNETOMETER SENSORS**
[54] **PREEMPTION AVANCEE EMPLOYANT L'INSPECTION EN BORDURE ET DES CAPTEURS DE MAGNETOMETRE SANS FIL**
[72] TOSHACK, FREDERICK, CA
[71] SIEMENS CANADA LIMITED, CA
[22] 2018-09-11
[41] 2019-03-13
[30] US (15/703412) 2017-09-13

[21] **3,017,085**
[13] A1

[51] **Int.Cl. G06F 17/00 (2019.01) G06F 15/16 (2006.01)**
[25] EN
[54] **DATA MODELLING AND FLOW ENGINE FOR BUILDING AUTOMATED FLOWS WITHIN A CLOUD BASED DEVELOPMENTAL PLATFORM**
[54] **MODELISATION DE DONNEES ET MOTEUR DE FLUX DE DONNEES SERVANT AUX FLUX DE DONNEES A L'INTERIEUR D'UNE PLATEFORME DE DEVELOPPEMENT NUAGIQUE**
[72] NELSON, HARRY THOMAS, US
[72] TUCKER, CHRISTOPHER, US
[72] SARBORA, RUSSELL SAMUEL, US
[72] ZHANG, QIAN, US
[72] ALVARADO JIMENEZ, ALBERTO, US
[72] SOLAEGUI, JUELL, US
[72] SOLIS, CARL, US
[71] SERVICENOW, INC., US
[22] 2018-09-11
[41] 2019-03-12
[30] US (15/913,537) 2018-03-06
[30] US (15/815,476) 2017-11-16
[30] US (15/723,011) 2017-10-02
[30] US (62/557,427) 2017-09-12

[21] **3,017,090**
[13] A1

[51] **Int.Cl. B60D 1/58 (2006.01)**
[25] EN
[54] **ADJUSTABLE SAFETY CHAIN ATTACHMENT FOR TRAILERS**
[54] **FIXATION DE CHAINE DE SECURITE AJUSTABLE DESTINEE A DES REMORQUES**
[72] SMITH, FRED P., US
[71] SMITH, FRED P., US
[22] 2018-09-11
[41] 2019-03-11
[30] US (62/556,547) 2017-09-11

[21] **3,017,148**
[13] A1

[51] **Int.Cl. E04B 1/68 (2006.01)**
[25] EN
[54] **SEAL ASSEMBLY AND LIGHT WEIGHT EXTERIOR WALL SYSTEM USING SAME**
[54] **ASSEMBLAGE ETANCHE ET SYSTEME DE PAROI EXTERIEURE LEGERE EMPLOYANT LEDIT ASSEMBLAGE**
[72] STRICKLAND, MICHAEL R., CA
[71] INVENT TO BUILD INC., CA
[22] 2018-09-11
[41] 2019-03-11
[30] US (62/556,861) 2017-09-11
[30] US (62/648,754) 2018-03-27

[21] **3,017,150**
[13] A1

[51] **Int.Cl. F16D 1/04 (2006.01) E05F 15/603 (2015.01) B60J 5/04 (2006.01) F16C 3/12 (2006.01) F16D 1/08 (2006.01) F16H 21/18 (2006.01)**
[25] EN
[54] **ZERO LASH TORQUE TRANSFER JOINT**
[54] **JOINT DE TRANSFERT DE COUPLE A JEU ZERO**
[72] SCIULLI, MARK H., US
[72] KRAUSE, JEFFREY J., US
[72] BECKWITH, TIMOTHY J., US
[72] GRIEVE, THOMAS W., US
[72] DRABCZYK, JOHN J., US
[72] SINGLETON, WILLIAM A., US
[72] CARPENTER, DUSTIN, US
[72] SCIBETTA, CODY, US
[71] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
[22] 2018-09-12
[41] 2019-03-14
[30] US (15/704,555) 2017-09-14

[21] **3,017,159**
[13] A1

[51] **Int.Cl. E04F 11/18 (2006.01) F16B 5/02 (2006.01)**
[25] EN
[54] **HANDRAIL WALL MOUNT ADAPTER**
[54] **ADAPTATEUR DE FIXATION MURALE DE MAIN COURANTE**
[72] WARSHAW, WILLIAM KELL, CA
[71] 9220-6820 QUEBEC INC., CA
[22] 2018-09-12
[41] 2019-03-12
[30] US (62/557,506) 2017-09-12

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[21] **3,017,166**
[13] A1

[51] **Int.Cl. G06F 3/01 (2006.01) A61B 34/00 (2016.01) G06T 7/30 (2017.01)**

[25] EN

[54] **PATIENT FACE AS TOUCHPAD USER INTERFACE**

[54] **FACE DU PATIENT COMME INTERFACE UTILISATEUR D'ECRAN TACTILE**

[72] INGEL, MOSHE, IL

[72] INBAR, OHAD, IL

[72] ZOABI, AKRAM, IL

[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL

[22] 2018-09-11

[41] 2019-03-13

[30] US (15/703,418) 2017-09-13

[21] **3,017,171**
[13] A1

[51] **Int.Cl. A61B 5/044 (2006.01) A61B 34/10 (2016.01) G16H 50/20 (2018.01) A61B 5/0402 (2006.01) A61B 5/0432 (2006.01) A61B 5/0452 (2006.01)**

[25] EN

[54] **AUTOMATIC DISPLAY OF EARLIEST LAT POINT**

[54] **AFFICHEUR AUTOMATIQUE DU PLUS RECENT POINT LAT**

[72] KATZ, NATAN SHARON, IL

[72] COHEN, BENJAMIN, IL

[72] ZAR, LIOR, IL

[72] BERMAN, DROR, IL

[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL

[22] 2018-09-11

[41] 2019-03-12

[30] US (15/702,340) 2017-09-12

[21] **3,017,201**
[13] A1

[51] **Int.Cl. B44D 3/12 (2006.01) B05C 21/00 (2006.01) B65D 23/06 (2006.01)**

[25] EN

[54] **PAINT CAN GROOVE PROTECTOR**

[54] **PROTECTEUR DE GORGE DE CONTENANT DE PEINTURE**

[72] VAN BUUREN, FRANS X., CA

[71] VAN BUUREN, FRANS X., CA

[22] 2018-09-12

[41] 2019-03-12

[30] US (62/606,163) 2017-09-12

[21] **3,017,203**
[13] A1

[51] **Int.Cl. E21B 43/12 (2006.01) E21B 34/06 (2006.01) E21B 43/18 (2006.01)**

[25] EN

[54] **SYSTEM FOR GAS LIFT**

[54] **SYSTEME D'EXTRACTION AU GAZ**

[72] ARCHA, WILLIAM G., US

[71] LIBERTY LIFT SOLUTIONS, LLC, US

[22] 2018-09-12

[41] 2019-03-12

[30] US (62/557410) 2017-09-12

[21] **3,017,204**
[13] A1

[51] **Int.Cl. F03D 80/40 (2016.01) F03D 1/06 (2006.01)**

[25] EN

[54] **WIND TURBINE BLADE HAVING A COVER PLATE MASKING HOT-AIR EXHAUST FOR DE-ICING AND/OR ANTI-ICING**

[54] **PALE D'EOLIEENNE AYANT UNE PLAQUE DE REVETEMENT MASQUANT UNE SORTIE D'AIR CHAUD SERVANT A DEGLACER OU A EMPECHER L'ACCUMULATION DE GLACE**

[72] ENEVOLDSEN, PEDER BAY, DK

[72] FROELUND, LENNART, DK

[71] SIEMENS GAMESA RENEWABLE ENERGY A/S, DK

[22] 2018-09-12

[41] 2019-03-14

[30] EP (17191069.8) 2017-09-14

[21] **3,017,256**
[13] A1

[51] **Int.Cl. B62D 37/02 (2006.01) B62D 35/02 (2006.01)**

[25] EN

[54] **SIDE UNDERRIDE GUARD**

[54] **PROTECTEUR D'ENCASTREMENT LATERAL**

[72] KUNKEL, DAVID P., US

[72] BELCHER, BRIAN C., US

[72] EHRLICH, MARK, US

[72] WYLEZINSKI, ANDRZEJ, US

[71] WABASH NATIONAL, L.P., US

[22] 2018-09-13

[41] 2019-03-13

[30] US (62/557,977) 2017-09-13

[21] **3,017,258**
[13] A1

[51] **Int.Cl. B44D 3/12 (2006.01) A47J 47/18 (2006.01) B05C 21/00 (2006.01) B65D 1/34 (2006.01)**

[25] EN

[54] **ERGONOMIC CONTAINER WITH THUMB HOLE**

[54] **CONTENANT ERGONOMIQUE DOTE D'UN TROU POUR LE POUCE**

[72] BERGMAN, MARK W., US

[72] GIVEN, JEFFREY T., US

[72] LEYDEN, MATTHEW V., US

[72] WAFFENSMITH, JEFFREY B., US

[71] BERCOM INTERNATIONAL, LLC, US

[22] 2018-09-13

[41] 2019-03-14

[30] US (62/558480) 2017-09-14

[21] **3,017,283**
[13] A1

[51] **Int.Cl. E04B 1/343 (2006.01) B60P 3/34 (2006.01) E04B 7/16 (2006.01)**

[25] EN

[54] **TRANSPORTABLE EXPANDING SHELTER WITH UPWARDLY PIVOTING ROOF**

[54] **ABRI A RALLONGE TRANSPORTABLE DOTE D'UN TOIT PIVOTANT VERS LE HAUT**

[72] STRONG, MEAGAN JESSICA, CA

[71] EXPANDWELL HOMES INC., CA

[22] 2018-09-13

[41] 2019-03-14

[30] US (62/558,683) 2017-09-14

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[21] **3,017,297**
[13] A1

[51] **Int.Cl. H02H 9/04 (2006.01) H02B 1/01 (2006.01)**
[25] EN
[54] **BUS MOUNTED SURGE PROTECTION DEVICES**
[54] **DISPOSITIFS DE PROTECTION CONTRE LA SURTENSION INSTALLEES SUR LE BUS**
[72] COLBAUGH, PAUL ANTHONY, US
[72] COLCOMBE, THOMAS PERRY, US
[72] ELLIS, DANIEL LEE, US
[72] ORMAN, RICHARD ALAN, US
[72] RESNIK, DANIEL JOSEPH, US
[72] SEALE, SCOTT ANTHONY, US
[72] SKOCZLAS, JAMES NICHOLAS, US
[72] STATES, DAVID JOHN, US
[72] YOUNG, THOMAS MARK, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2018-09-13
[41] 2019-03-14
[30] US (62/558646) 2017-09-14
[30] US (16/114580) 2018-08-28

[21] **3,017,302**
[13] A1

[51] **Int.Cl. H02P 29/028 (2016.01) H02P 23/14 (2006.01) H02P 27/04 (2016.01)**
[25] EN
[54] **POWER-LOSS RIDETHROUGH SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE ANTI-PANNE SANS PERTE DE PUISSANCE**
[72] SEWELL, JAMES J., US
[71] UNICO, INC., US
[22] 2018-09-13
[41] 2019-03-14
[30] US (62/558,604) 2017-09-14
[30] US (16/122,494) 2018-09-05

[21] **3,017,305**
[13] A1

[51] **Int.Cl. H02K 41/02 (2006.01) B65G 23/23 (2006.01) B65G 54/02 (2006.01) G01V 3/10 (2006.01)**
[25] EN
[54] **IDENTIFICATION OF A SECONDARY PART DURING USE IN A LINEAR-MOTOR-BASED SYSTEM**
[54] **IDENTIFICATION D'UNE PARTIE SECONDAIRE PENDANT L'UTILISATION D'UN SYSTEME FONDE SUR UN MOTEUR LINEAIRE**
[72] HAMM, CARSTEN, DE
[72] SPINDLER, CARSTEN, DE
[72] WEDEL, BERND, DE
[71] SIEMENS AKTIENGESSELLSCHAFT, DE
[22] 2018-09-13
[41] 2019-03-15
[30] EP (17191295.9) 2017-09-15

[21] **3,017,309**
[13] A1

[51] **Int.Cl. F16L 55/07 (2006.01) A62C 35/68 (2006.01) F16K 24/00 (2006.01) F16L 55/09 (2006.01)**
[25] EN
[54] **VALVE SYSTEM AND METHOD FOR VENTING AND MEASURING A GAS CONTENT OF A FIRE SUPPRESSION SYSTEM**
[54] **SYSTEME DE SOUPEPE ET METHODE D'AERATION ET DE MESURE D'UNE TENEUR EN GAZ D'UN SYSTEME D'EXTINCTION INCENDIE**
[72] MCHUGH, GEORGE J., IV, US
[72] MCHUGH, JAMES P., US
[72] GLEESON, BENTLEY F., US
[71] AGF MANUFACTURING, INC., US
[22] 2018-09-13
[41] 2019-03-14
[30] US (15/704512) 2017-09-14

[21] **3,017,322**
[13] A1

[51] **Int.Cl. B60R 19/52 (2006.01)**
[25] EN
[54] **REMOVABLE GRILL COVER AND ATTACHMENT CLIP**
[54] **COUVRE-GRILL AMOVIBLE ET PINCE DE FIXATION**
[72] METTLER, DEAN EDWARD, US
[71] LUND, INC., US
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[41] 2019-03-14
[30] US (62/558,494) 2017-09-14

[21] **3,017,373**
[13] A1

[51] **Int.Cl. A47D 7/03 (2006.01)**
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[54] **MESH CRIB**
[54] **BERCEAU EN FILET**
[72] DACKS, RACHEL, US
[72] SCHAFFER, IAN, US
[72] VINCENT, DARRELL, US
[72] PATER, MARK, US
[71] BREATHABLEBABY, LLC, US
[22] 2018-09-13
[41] 2019-03-13
[30] US (62/557,867) 2017-09-13

[21] **3,017,376**
[13] A1

[51] **Int.Cl. G06F 17/00 (2019.01) G06F 3/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GRAPHICAL EXPLORATION OF FORENSIC DATA**
[54] **SYSTEMES ET METHODES D'EXPLORATION GRAPHIQUE DE DONNEES JUDICIAIRES**
[72] KORDASIEWICZ, ROMAN CZESLAW, CA
[72] MACKENZIE, MICHELLE ELIZABETH ALLIX, CA
[72] WINDOVER, JARED DANIEL, CA
[72] MCILVEEN, SAMANTHA JO, CA
[71] KORDASIEWICZ, ROMAN CZESLAW, CA
[71] MACKENZIE, MICHELLE ELIZABETH ALLIX, CA
[71] WINDOVER, JARED DANIEL, CA
[71] MCILVEEN, SAMANTHA JO, CA
[22] 2018-09-14
[41] 2019-03-15
[30] US (15/706,173) 2017-09-15

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[21] **3,017,380**
[13] A1

[51] **Int.Cl. A21D 13/33 (2017.01) A21D 13/45 (2017.01) A21B 3/13 (2006.01) A21B 5/02 (2006.01)**

[25] EN

[54] **WAFFLE AND BAKING MOLD FOR PRODUCING THE WAFFLE**

[54] **GAUFRE ET MOULE DE CUISSON SERVANT A PRODUIRE LA GAUFRE**

[72] OEXMANN, THOMAS, DE

[72] OEXMANN, MONIKA, DE

[71] OEXMANN GMBH & CO. KG, DE

[22] 2018-09-13

[41] 2019-03-13

[30] DE (10 2017 121 207.8) 2017-09-13

[21] **3,017,391**
[13] A1

[51] **Int.Cl. F16K 31/46 (2006.01) E03B 7/12 (2006.01) E03C 1/04 (2006.01) F16K 1/32 (2006.01) F16K 35/06 (2006.01)**

[25] EN

[54] **MODULAR TWO-PART SILLCOCK**

[54] **ROBINET EXTERIEUR MODULAIRE EN DEUX PARTIES**

[72] ISMERT, DOMINIC P., US

[71] ISMERT, DOMINIC P., US

[22] 2018-09-14

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[30] US (15/703,960) 2017-09-13

[21] **3,017,398**
[13] A1

[51] **Int.Cl. B62D 1/06 (2006.01) B63H 25/52 (2006.01) H01R 39/08 (2006.01)**

[25] EN

[54] **STEERING WHEEL POWER ASSEMBLY**

[54] **ENSEMBLE D'ALIMENTATION DE VOLANT DE DIRECTION**

[72] BAUER, JOSEPH C., US

[72] DONNILLON, TOM, US

[72] HARLEN, RILEY T., US

[71] SYMTEC, INC., US

[22] 2018-09-17

[41] 2019-03-15

[30] US (62/559,157) 2017-09-15

[21] **3,017,453**
[13] A1

[51] **Int.Cl. F23L 17/16 (2006.01) F04D 25/08 (2006.01) F23J 13/00 (2006.01) F23L 17/00 (2006.01) F23N 3/08 (2006.01)**

[25] EN

[54] **FLUE EXHAUST FAN WITH CONFIGURABLE OUTLET**

[54] **VENTILATEUR D'EVACUATION DE CHEMINEE DOTE D'UNE PRISE DE SORTIE CONFIGURABLE**

[72] SIMONS, CHARLES NASH, US

[71] EAST WEST MANUFACTURING LLC, US

[22] 2018-09-14

[41] 2019-03-15

[30] US (62/558,954) 2017-09-15

[30] US (16/129,056) 2018-09-12

[21] **3,017,472**
[13] A1

[51] **Int.Cl. F16M 13/04 (2006.01) A45F 5/02 (2006.01) B65G 7/12 (2006.01) B66C 1/12 (2006.01) A62B 35/00 (2006.01)**

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[54] **BUCKET SAFETY HARNESS**

[54] **HARNAIS DE SECURITE POUR SEAU**

[72] GAULIN, ADAM, CA

[71] GAULIN, ADAM, CA

[22] 2018-09-14

[41] 2019-03-14

[30] US (15704815) 2017-09-14

[21] **3,017,474**
[13] A1

[51] **Int.Cl. B61L 7/10 (2006.01) B61L 9/04 (2006.01)**

[25] EN

[54] **RAIL SIGNAL ARRANGEMENT FOR A RAIL SIGNALLING SYSTEM**

[54] **ARRANGEMENT DE SIGNAL DE RAIL DESTINE A UN SYSTEME DE SIGNALISATION DE RAIL**

[72] CONYNGHAM, KURT, GB

[71] UNIPART RAIL LIMITED, GB

[22] 2018-09-14

[41] 2019-03-14

[30] GB (1714832.1) 2017-09-14

[21] **3,017,581**
[13] A1

[51] **Int.Cl. A47D 15/00 (2006.01) A47C 29/00 (2006.01) A47D 7/00 (2006.01) A47D 13/06 (2006.01)**

[25] EN

[54] **CRIB LINER**

[54] **DOUBLURE INTERIEURE DE BERCEAU**

[72] MARTON, STEVEN, US

[72] KLOBUCHAR, SUSAN, US

[71] BREATHABLEBABY, LLC, US

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[41] 2019-03-15

[30] US (15/729,514) 2017-10-10

[30] US (62/559,117) 2017-09-15

[21] **3,017,595**
[13] A1

[51] **Int.Cl. G01N 33/483 (2006.01) C12Q 1/37 (2006.01)**

[25] EN

[54] **METHODS FOR EPITOPE MAPPING**

[54] **METHODE DE SCHEMATISATION D'EPITOPE**

[72] WILSON, DEREK JAMES, CA

[72] DENG, BIN, CA

[72] ZHU, SHAOLONG, CA

[71] WILSON, DEREK JAMES, CA

[71] DENG, BIN, CA

[71] ZHU, SHAOLONG, CA

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[30] US (62/559067) 2017-09-15

[21] **3,017,596**
[13] A1

[51] **Int.Cl. B61K 5/06 (2006.01)**

[25] EN

[54] **UNIVERSAL TRACK DERAILER ASSEMBLY**

[54] **DISPOSITIF DE DERAILLEUR UNIVERSEL**

[72] HERTEL, KEVIN D., US

[72] HERTEL, AUSTIN C., US

[71] WESTERN-CULLEN-HAYES, INC., US

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[41] 2019-03-14

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[21] **3,022,716**

[13] A1

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- [25] EN
- [54] **LINE CONTROL CIRCUIT CONFIGURATION**
- [54] **CONFIGURATION DE CIRCUIT DE COMMANDE DE LIGNE**
- [72] CAMPBELL, MORGAN MICHAEL, CA
- [72] ELKSNIS, YAN, CA
- [72] SHEN, DONG, CA
- [71] HATCH LTD., CA
- [22] 2018-10-31
- [41] 2019-03-12
- [30] US (62/579,489) 2017-10-31

[21] **3,026,919**

[13] A1

- [51] **Int.Cl. G01N 21/88 (2006.01) G01M 13/021 (2019.01)**
- [25] EN
- [54] **IMAGING SYSTEM FOR ASSESSING INTEGRITY OF METAL MOTIVE PARTS IN INDUSTRIAL PLANTS**
- [54] **SYSTEME D'IMAGERIE SERVANT A EVALUER L'INTEGRITE DE PIECES MOBILES METALLIQUES DANS LES INSTALLATIONS INDUSTRIELLES**
- [72] SHUMKA, JASON, CA
- [72] SHUMKA, THOMAS, CA
- [71] SHUMKA, JASON, CA
- [71] SHUMKA, THOMAS, CA
- [22] 2018-12-05
- [41] 2019-03-11

[21] **3,029,299**

[13] A1

- [51] **Int.Cl. E02D 31/08 (2006.01) E02D 27/01 (2006.01) E02D 27/32 (2006.01) E02D 27/34 (2006.01) E04F 15/18 (2006.01)**
- [25] EN
- [54] **VADIR BARRIER: A CONCRETE SLAB UNDERLAYMENT WITH ALL-IN-ONE VOID FORM, AIR BARRIER, DRAINAGE PLANE, INSULATION AND RADON PROTECTION**
- [54] **VADIR BARRIER : UNE SOUS-COUCHE DE DALLE DE BETON DOTE E D'UNE FORME DE VIDE TOUT-EN-UN, UNE BARRIERE D'AIR, UN PLAN DE DRAINAGE, UNE ISOLATION ET UNE PROTECTION CONTRE LE RADON**
- [72] KOWALCHUK, JONATHAN, CA
- [71] KOWALCHUK, JONATHAN, CA
- [22] 2019-01-08
- [41] 2019-03-13

[21] **3,029,487**

[13] A1

- [51] **Int.Cl. F21V 5/00 (2018.01) H01L 33/58 (2010.01) F21K 9/00 (2016.01) F21V 5/04 (2006.01) G02B 3/00 (2006.01)**
- [25] EN
- [54] **LIGHTING DEVICE WITH OPTICAL LENS FOR BEAM SHAPING AND ILLUMINATION LIGHT SOURCE MATRIX**
- [54] **APPAREIL D'ECLAIRAGE A LENTILLE OPTIQUE DESTINEE A FORMER UN FAISCEAU ET MATRICE DE SOURCE DE LUMIERE D'ECLAIRAGE**
- [72] MAO, AN, US
- [72] MALONE, GREGORY, US
- [72] KRASS, ROBERT M., US
- [72] RAMER, DAVID P., US
- [72] ROGERS, RASHMI KUMAR, US
- [72] PHIPPS, JAMES MICHAEL, US
- [72] LYONS, STEVE, US
- [71] ABL IP HOLDING LLC, US
- [22] 2019-01-09
- [41] 2019-03-14
- [30] US (15/868,624) 2018-01-11
- [30] US (15/914,619) 2018-03-07
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[21] **3,022,297**
[13] A1

[51] **Int.Cl. B65H 18/08 (2006.01) B65H 18/16 (2006.01) B65H 79/00 (2006.01) E02B 3/04 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR ROLLING UP A FLEXIBLE SHEET**

[54] **SYSTEME ET PROCEDE POUR ENROULER UNE PLAQUE SOUPLE**

[72] MOTZ, JAMES G., US

[72] MOTZ, MATTHEW J., US

[71] MOTZ ENTERPRISES, INC., US

[85] 2018-10-25

[86] 2017-04-26 (PCT/US2017/029617)

[87] (WO2017/189714)

[30] US (62/329,560) 2016-04-29

[21] **3,024,968**
[13] A1

[51] **Int.Cl. G02C 11/00 (2006.01) G02C 11/02 (2006.01) G09F 3/03 (2006.01)**

[25] EN

[54] **GLASSES, ANTI-COUNTERFEITING VERIFICATION METHOD FOR THE SAME, SYSTEM AND TERMINAL DEVICE**

[54] **LUNETTES, PROCEDE DE VERIFICATION ANTI-CONTREFAÇON POUR CELLES-CI, SYSTEME ET DISPOSITIF TERMINAL**

[72] CHEN, XINDONG, CN

[72] CHEN, XINCHUAN, CN

[71] GUANGDONG JINGTAI TECHNOLOGY CO., LTD., CN

[85] 2018-11-22

[86] 2018-01-16 (PCT/CN2018/072843)

[87] (3024968)

[30] CN (201721177535.1) 2017-09-14

[30] CN (201721178675.0) 2017-09-14

[21] **3,031,543**
[13] A1

[51] **Int.Cl. C08F 212/08 (2006.01) C08F 220/14 (2006.01)**

[25] EN

[54] **COMPOSITION COMPRISING A CROSS-LINKED POLYMER NETWORK COMPRISING PENDING LINKS AND CROSS-LINKS EXCHANGEABLE BY ALDEHYDE-IMINE AND/OR BY IMINE-IMINE EXCHANGE REACTIONS, PREPARATION PROCESS AND USE**

[54] **COMPOSITION COMPRENANT UN RESEAU POLYMERE RETICULE COMPRENANT DES LIAISONS PENDANTES ET DES LIAISONS RETICULAIRES ECHANGEABLES PAR DES REACTIONS D'ECHANGE ALDEHYDE-IMINE ET/OU IMINE-IMINE, PROCEDE DE PREPARATION ET UTILISATION**

[72] LEIBLER, LUDWIK, FR

[72] NICOLAY, RENAUD, FR

[72] ROTTGER, MAX, FR

[71] ECOLE SUPERIEURE DE PHYSIQUE ET DE CHIMIE INDUSTRIELLES DE LA VILLE DE PARIS, FR

[85] 2019-01-22

[86] 2016-08-17 (PCT/EP2016/069493)

[87] (WO2017/029315)

[30] FR (1557768) 2015-08-17

[21] **3,032,871**
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01)**

[25] EN

[54] **METHOD FOR DETERMINING CARBOHYDRATES STRUCTURE**

[54] **PROCEDE PERMETTANT DE DETERMINER UNE STRUCTURE DE GLUCIDES**

[72] HOFMANN, JOHANNA, DE

[72] HAHM, HEUNG SIK, US

[72] SEEBERGER, PETER, DE

[72] PAGEL, KEVIN, DE

[71] MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V., DE

[71] FREIE UNIVERSITAT BERLIN, DE

[85] 2019-02-04

[86] 2015-09-03 (PCT/EP2015/070195)

[87] (WO2017/036545)

[21] **3,035,431**
[13] A1

[51] **Int.Cl. B32B 3/06 (2006.01) B42D 15/00 (2006.01) G02B 5/22 (2006.01) G02C 7/10 (2006.01) G03B 21/56 (2006.01)**

[25] EN

[54] **OPTICAL DEVICE FOR ENHANCING HUMAN COLOR VISION**

[54] **DISPOSITIF OPTIQUE PERMETTANT D'AMELIORER LA PERCEPTION DES COULEURS PAR L'ŒIL HUMAIN**

[72] VALENTINE, KEENAN, US

[71] HUE.AI, LLC, US

[85] 2019-02-27

[86] 2017-08-30 (PCT/US2017/049395)

[87] (WO2018/045040)

[30] CN (201610758199.3) 2016-08-30

[30] CN (201620978769.5) 2016-08-30

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[30] CN (201610761687.X) 2016-08-30

[30] CN (201610761686.5) 2016-08-30

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[21] **3,035,568**
[13] A1

[51] **Int.Cl. B65D 30/20 (2006.01) B65D 33/10 (2006.01) B65D 33/12 (2006.01)**
[25] EN
[54] **SLIT-SCORE SECURITY PAPER SHOPPING BAG**
[54] **SAC A PROVISIONS EN PAPIER DE SECURITE A FENTES DECOUPEES**
[72] VEDER, JOHN T., US
[71] DURO HILEX POLY, LLC, US
[85] 2019-02-28
[86] 2017-08-31 (PCT/US2017/049678)
[87] (WO2018/045203)
[30] US (15/253,726) 2016-08-31

[21] **3,035,584**
[13] A1

[51] **Int.Cl. A61K 31/381 (2006.01) A61K 31/4188 (2006.01) C07D 235/26 (2006.01) C07D 495/04 (2006.01)**
[25] EN
[54] **MAGNESIUM BIOTINATE COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS DE BIOTINATE DE MAGNESIUM ET METHODES D'UTILISATION**
[72] KOMOROWSKI, JAMES R., US
[72] NELSON, DEANNA J., US
[71] JDS THERAPEUTICS, LLC, US
[85] 2019-02-28
[86] 2017-08-31 (PCT/US2017/049757)
[87] (WO2018/045244)
[30] US (62/382,438) 2016-09-01

[21] **3,035,596**
[13] A1

[51] **Int.Cl. G01N 27/404 (2006.01)**
[25] EN
[54] **ELECTROCHEMICAL GAS SENSOR WITH MULTIPLE GAS INLETS**
[54] **CAPTEUR DE GAZ ELECTROCHIMIQUE AVEC ENTrees DE GAZ MULTIPLES**
[72] DAVIS, BRIAN KEITH, US
[72] BROWN, MICHAEL ALVIN, US
[72] ZANELLA, MARK FLORI, SR., US
[71] MSA TECHNOLOGY, LLC, US
[85] 2019-02-28
[86] 2017-09-01 (PCT/US2017/049900)
[87] (WO2018/052743)
[30] US (62/395,499) 2016-09-16
[30] US (15/685,432) 2017-08-24

[21] **3,035,621**
[13] A1

[51] **Int.Cl. C08K 5/3492 (2006.01)**
[25] EN
[54] **ADDITIVE MIXTURE**
[54] **MELANGE D'ADDITION**
[72] HUBER, GREGOR, CH
[72] HERBST, HEINZ, DE
[71] BASF SE, DE
[85] 2019-03-01
[86] 2017-08-23 (PCT/EP2017/071234)
[87] (WO2018/046301)
[30] EP (16188393.9) 2016-09-12

[21] **3,035,623**
[13] A1

[51] **Int.Cl. G06F 21/32 (2013.01) H04W 12/06 (2009.01) G06Q 20/32 (2012.01) G06Q 20/40 (2012.01) G06Q 50/26 (2012.01) H04L 9/32 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **BI-DIRECTIONAL TRUST INDICATOR**
[54] **INDICATEUR DE CONFIANCE BIDIRECTIONNEL**
[72] KELTS, A. DAVID, US
[72] CANDELAS, GUSTAVO, US
[71] KELTS, A. DAVID, US
[71] CANDELAS, GUSTAVO, US
[85] 2019-02-28
[86] 2017-09-01 (PCT/US2017/049924)
[87] (WO2018/045326)
[30] US (62/382,688) 2016-09-01

[21] **3,035,624**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARATION OF 2-(6-NITROPYRIDIN-3-YL)-9H-DIPYRIDO[2,3-B;3',4'-D]PYRROLE**
[54] **PROCEDE DE PREPARATION DE 2-(6-NITROPYRIDIN-3-YL)-9H-DIPYRIDO [2,3-B; 3', 4'-D] PYRROLE**
[72] BARTELS, BJOERN, CH
[72] CUENI, PHILIPP, CH
[72] KOERNER, MATTHIAS, CH
[72] MURI, DIETER, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2019-03-01
[86] 2017-09-04 (PCT/EP2017/072062)
[87] (WO2018/046428)
[30] EP (16187960.6) 2016-09-09

[21] **3,035,628**
[13] A1

[51] **Int.Cl. A61K 38/46 (2006.01) A61K 38/48 (2006.01) A61K 48/00 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **METHODS AND VECTORS FOR TREATING CNS DISORDERS**
[54] **PROCEDES ET VECTEURS DESTINES AU TRAITEMENT DE TROUBLES DU SNC**
[72] HIGH, KATHERINE A., US
[72] DAVIDSON, BEVERLY L., US
[71] SPARK THERAPEUTICS, INC., US
[71] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US
[85] 2019-02-28
[86] 2017-09-01 (PCT/US2017/049959)
[87] (WO2018/045347)
[30] US (62/383,274) 2016-09-02

[21] **3,035,638**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **DEVICE WITH LIQUID FLOW RESTRICTION**
[54] **DISPOSITIF A LIMITATION D'ECOULEMENT DE LIQUIDE**
[72] JAIN, SIDDHARTHA, GB
[72] TIPTON, WADE, GB
[72] BARTON, RUPERT, GB
[72] HARRIS, WILLIAM, GB
[72] FRASER, RORY, GB
[71] NICOVENTURES HOLDINGS LIMITED, GB
[85] 2019-03-01
[86] 2017-09-11 (PCT/GB2017/052655)
[87] (WO2018/055334)
[30] GB (1616036.8) 2016-09-21

[21] **3,035,644**
[13] A1

[51] **Int.Cl. E21B 47/06 (2012.01)**
[25] EN
[54] **IMPROVEMENTS IN OR RELATING TO GEOTHERMAL POWER PLANTS**
[54] **PERFECTIONNEMENTS APPORTES OU SE RAPPORTANT A DES CENTRALES GEOTHERMIQUES**
[72] SANTARELLI, FREDERIC JOSEPH, NO
[71] GEOMECH ENGINEERING LTD, GB
[85] 2019-03-01
[86] 2017-09-04 (PCT/GB2017/052566)
[87] (WO2018/042201)
[30] GB (1615021.1) 2016-09-05

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[21] **3,035,645**
[13] A1

[51] **Int.Cl. A61N 5/10 (2006.01)**
[25] EN
[54] **RADIOTHERAPY SYSTEM PREVENTING RADIATION OF HEALTHY TISSUE**
[54] **SYSTEME DE RADIOTHERAPIE EMPECHANT LE RAYONNEMENT D'UN TISSU SAIN**

[72] KLEVEN, PER HAVARD, NO
[71] PH KLEVEN AS, NO
[85] 2019-03-01
[86] 2017-09-12 (PCT/IB2017/055487)
[87] (WO2018/047142)
[30] SE (1651223-8) 2016-09-12

[21] **3,035,646**
[13] A1

[51] **Int.Cl. B62D 55/28 (2006.01)**
[25] EN
[54] **TRANSVERSE BAR FOR TRACKS OF SNOW GROOMERS**
[54] **BARRE TRANSVERSALE POUR CHENILLES DE DAMEUSES**

[72] KIRCHMAIR, MARTIN, AT
[72] MAURER, GREGOR, IT
[71] PRINOTH S.P.A., IT
[85] 2019-03-01
[86] 2017-09-27 (PCT/IB2017/055908)
[87] (WO2018/060884)
[30] IT (102016000096899) 2016-09-27

[21] **3,035,647**
[13] A1

[51] **Int.Cl. G02B 21/00 (2006.01) G02F 1/33 (2006.01)**
[25] EN
[54] **METHOD FOR SCANNING ALONG A 3-DIMENSIONAL LINE AND METHOD FOR SCANNING A REGION OF INTEREST BY SCANNING A PLURALITY OF 3-DIMENSIONAL LINES**
[54] **PROCEDE DE BALAYAGE LE LONG D'UNE LIGNE TRIDIMENSIONNELLE ET PROCEDE DE BALAYAGE D'UNE REGION D'INTERET PAR BALAYAGE D'UNE PLURALITE DE LIGNES TRIDIMENSIONNELLES**

[72] ROZSA, BALAZS, HU
[72] KATONA, GERGELY, HU
[72] MAAK, PAL, HU
[72] VERESS, MATE, HU
[72] FEHER, ANDRAS, HU
[72] SZALAY, GERGELY, HU
[72] MATYAS, PETER, HU
[71] FEMTONICS KFT, HU
[85] 2019-03-01
[86] 2017-08-31 (PCT/HU2017/050035)
[87] (WO2018/042214)
[30] HU (P1600519) 2016-09-02

[21] **3,035,648**
[13] A1

[51] **Int.Cl. C08L 21/00 (2006.01) B60C 1/00 (2006.01) C08C 19/25 (2006.01) C08J 3/24 (2006.01) C08K 3/04 (2006.01) C08K 3/36 (2006.01) C08L 15/00 (2006.01)**
[25] EN
[54] **RUBBER COMPOSITIONS**
[54] **COMPOSITION DE CAOUTCHOUC**

[72] MAEDA, HIROMI, JP
[72] KODA, DAISUKE, JP
[72] KANBARA, HIROSHI, JP
[72] OHTA, SATOMI, JP
[71] KURARAY CO., LTD., JP
[85] 2019-03-01
[86] 2017-09-01 (PCT/JP2017/031560)
[87] (WO2018/043699)
[30] JP (2016-171605) 2016-09-02

[21] **3,035,649**
[13] A1

[51] **Int.Cl. A61F 5/41 (2006.01) A61N 1/04 (2006.01) A61N 7/00 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR TREATING ERECTILE DYSFUNCTION**
[54] **PROCEDES ET DISPOSITIFS DE TRAITEMENT D'UN TROUBLE DE L'ERECTION**

[72] LISCHINSKY, DANIEL, IL
[71] OHH- MED MEDICAL LTD., IL
[85] 2019-03-01
[86] 2017-08-21 (PCT/IL2017/050925)
[87] (WO2018/042418)
[30] US (62/383,415) 2016-09-03
[30] US (15/618,751) 2017-06-09

[21] **3,035,650**
[13] A1

[51] **Int.Cl. A61K 35/14 (2015.01) A61K 35/16 (2015.01) A61K 38/36 (2006.01) A61P 17/02 (2006.01)**
[25] EN
[54] **HUMAN BLOOD-DERIVED PRODUCTS HAVING DECREASED FIBRINOLYTIC ACTIVITY AND USES THEREOF IN HEMOSTATIC DISORDERS**
[54] **PRODUITS DERIVES DU SANG HUMAIN A ACTIVITE FIBRINOLYTIQUE REDUITE ET LEURS UTILISATIONS DANS DES TROUBLES HEMOSTATIQUES**

[72] HIJAZI, ABD ALRAUF, IL
[72] HIGAZI, MUHAMED, IL
[71] PLAS-FREE LTD, IL
[85] 2019-03-01
[86] 2017-08-31 (PCT/IL2017/050977)
[87] (WO2018/042438)
[30] US (62/382,344) 2016-09-01

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[21] **3,035,651**
[13] A1

[51] **Int.Cl. A61K 38/00 (2006.01) A61K 31/7088 (2006.01) A61K 35/76 (2015.01) A61K 48/00 (2006.01) A61P 27/02 (2006.01) C12N 15/09 (2006.01) C07K 14/195 (2006.01) C07K 14/705 (2006.01) C07K 19/00 (2006.01)**

[25] EN

[54] **AGENT FOR RESTORING VISUAL FUNCTION OR AGENT FOR PREVENTING DETERIORATION IN VISUAL FUNCTION**

[54] **AGENT POUR REGENERER LA FONCTION VISUELLE OU AGENT POUR EMPECHER LA DETERIORATION DE LA FONCTION VISUELLE**

[72] KURIHARA, TOSHIHIDE, JP
[72] KATADA, YUSAKU, JP
[72] KUNIMI, HIROMITSU, JP
[72] TSUBOTA, KAZUO, JP
[72] KANDORI, HIDEKI, JP
[71] KEIO UNIVERSITY, JP
[71] NAGOYA INSTITUTE OF TECHNOLOGY, JP

[85] 2019-03-01
[86] 2017-09-01 (PCT/JP2017/031579)
[87] (WO2018/043707)
[30] JP (2016-172149) 2016-09-02

[21] **3,035,652**
[13] A1

[51] **Int.Cl. B23K 35/30 (2006.01) B23K 35/362 (2006.01) B23K 35/368 (2006.01) C22C 38/00 (2006.01) C22C 38/08 (2006.01)**

[25] EN

[54] **WIRE FOR ELECTROSLAG WELDING, FLUX FOR ELECTROSLAG WELDING AND WELDED JOINT**

[54] **FIL POUR SOUDAGE ELECTRIQUE SOUS LAITIER, FLUX POUR SOUDAGE ELECTRIQUE SOUS LAITIER ET JOINT SOUDE**

[72] ISHIZAKI, KEITO, JP
[72] YUAN, YIMIN, JP
[72] NAKO, HIDENORI, JP
[72] SUGIMURA, TOMOKO, JP
[72] OKAZAKI, YOSHITOMI, JP
[71] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP

[85] 2019-03-01
[86] 2017-09-04 (PCT/JP2017/031694)
[87] (WO2018/051823)
[30] JP (2016-178802) 2016-09-13
[30] JP (2017-030282) 2017-02-21

[21] **3,035,653**
[13] A1

[51] **Int.Cl. A61K 47/64 (2017.01) A61K 47/54 (2017.01) A61P 35/00 (2006.01)**

[25] EN

[54] **PACLITAXEL-ALBUMIN-BINDING AGENT COMPOSITIONS AND METHODS FOR USING AND MAKING THE SAME**

[54] **COMPOSITIONS D'AGENTS DE LIAISON, DE PACLITAXEL ET D'ALBUMINE ET LEURS PROCEDES D'UTILISATION ET DE PRODUCTION**

[72] MARKOVIC, SVETOMIR N., US
[72] NEVALA, WENDY K., US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US

[85] 2019-03-01
[86] 2017-09-06 (PCT/US2017/050355)
[87] (WO2018/048958)
[30] US (62/384,119) 2016-09-06

[21] **3,035,654**
[13] A1

[51] **Int.Cl. C08L 21/00 (2006.01) B60C 1/00 (2006.01) C08C 19/25 (2006.01) C08K 3/04 (2006.01) C08K 3/36 (2006.01) C08L 15/00 (2006.01)**

[25] EN

[54] **RUBBER COMPOSITIONS**

[54] **COMPOSITION DE CAOUTCHOUC**

[72] MAEDA, HIROMI, JP
[72] KODA, DAISUKE, JP
[72] KANBARA, HIROSHI, JP
[72] OHTA, SATOMI, JP
[71] KURARAY CO., LTD., JP

[85] 2019-03-01
[86] 2017-09-01 (PCT/JP2017/031561)
[87] (WO2018/043700)
[30] JP (2016-171606) 2016-09-02

[21] **3,035,656**
[13] A1

[51] **Int.Cl. A61B 17/00 (2006.01) A61B 34/00 (2016.01) A61B 34/30 (2016.01) A61B 90/00 (2016.01)**

[25] EN

[54] **ROBOTIC SURGICAL SYSTEM**

[54] **SYSTEME CHIRURGICAL ROBOTISE**

[72] CANADY, JEROME, US
[72] CANADY, CHEFFREN, US
[72] ZHUANG, TAISEN, US
[72] YAN, FENG, US
[72] SHANGHAVI, ADITYA, US
[72] LIU, ZHANGSHI, US
[72] TABATABAI, DANIEL, US
[72] PIERCE, TANNER, US
[71] U.S. PATENT INNOVATIONS LLC, US

[85] 2019-03-01
[86] 2017-09-25 (PCT/US2017/053341)
[87] (WO2018/058079)
[30] US (62/399,332) 2016-09-23

[21] **3,035,657**
[13] A1

[51] **Int.Cl. B60R 25/00 (2013.01) E05B 83/00 (2014.01) E05B 83/16 (2014.01) E05B 83/24 (2014.01) B60R 25/10 (2013.01)**

[25] EN

[54] **WIRELESSLY CONTROLLED VEHICLE HOOD LATCH LOCK SYSTEM**

[54] **SYSTEME DE BLOCAGE DE VERROU DE CAPOT DE VEHICULE A COMMANDE SANS FIL**

[72] TIEMAN, CRAIG A., US
[71] BLUE ECLIPSE, LLC, US

[85] 2019-03-01
[86] 2017-09-07 (PCT/US2017/050434)
[87] (WO2018/049002)
[30] US (62/385,229) 2016-09-08

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[21] **3,035,658**
[13] A1

[51] **Int.Cl. H04N 21/236 (2011.01) H04H 20/59 (2009.01) H04H 60/98 (2009.01) H04N 21/235 (2011.01) H04N 21/434 (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] NG, SHEAU, US

[72] DESHPANDE, SACHIN G., US

[72] SEGALL, CHRISTOPHER ANDREW, US

[71] SHARP KABUSHIKI KAISHA, JP

[85] 2019-03-01

[86] 2017-09-04 (PCT/JP2017/031835)

[87] (WO2018/047779)

[30] US (62/385,738) 2016-09-09

[30] US (62/405,201) 2016-10-06

[30] US (62/420,468) 2016-11-10

[30] US (62/427,134) 2016-11-28

[30] US (62/461,156) 2017-02-20

[21] **3,035,659**
[13] A1

[51] **Int.Cl. A61K 47/61 (2017.01) C08B 37/00 (2006.01)**

[25] EN

[54] **SULFATED GLYCOSAMINOGLYCAN BIOMATERIALS AS PROTEOGLYCAN MIMICS**

[54] **BIOMATERIAUX A BASE DE GLYCOSAMINOGLYCANES SULFATES UTILISES EN TANT QUE MIMETIQUES DE PROTEOGLYCANES**

[72] JOZEFIAK, THOMAS, H., US

[71] GLYCOLOGIX, LLC, US

[85] 2019-03-01

[86] 2017-09-15 (PCT/US2017/051799)

[87] (WO2018/053276)

[30] US (62/395,805) 2016-09-16

[21] **3,035,660**
[13] A1

[51] **Int.Cl. C12N 5/0789 (2010.01) C12N 15/85 (2006.01)**

[25] EN

[54] **IMMUNE CELLS DERIVED FROM INDUCED PLURIPOTENT STEM CELL**

[54] **CELLULES IMMUNITAIRES DERIVEES DE CELLULES SOUCHES PLURIPOTENTES INDUITES**

[72] VO, LINDA THUY, US

[72] DALEY, GEORGE Q., US

[71] THE CHILDREN'S MEDICAL CENTER CORPORATION, US

[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US

[85] 2019-03-01

[86] 2017-09-06 (PCT/US2017/050167)

[87] (WO2018/048828)

[30] US (62/383,984) 2016-09-06

[21] **3,035,663**
[13] A1

[51] **Int.Cl. G06F 12/14 (2006.01)**

[25] EN

[54] **SECURE ELEMENT INSTALLATION AND PROVISIONING**

[54] **INSTALLATION ET APPROVISIONNEMENT D'ELEMENTS SECURISES**

[72] KEKICHEFF, MARC, US

[72] PIRZADEH, KIUSHAN, US

[72] CHEN, YUEXI, US

[71] VISA INTERNATIONAL SERVICE ASSOCIATION, US

[85] 2019-03-01

[86] 2017-10-02 (PCT/US2017/054729)

[87] (WO2018/064661)

[30] US (15/277,618) 2016-09-27

[21] **3,035,665**
[13] A1

[51] **Int.Cl. A61L 9/12 (2006.01) A61L 9/013 (2006.01)**

[25] EN

[54] **DIFFUSING APPARATUS AND METHODS**

[54] **APPAREIL DE DIFFUSION ET PROCEDES**

[72] PITCHER, STEPHEN N., US

[71] SPDI HOLDINGS, INC., US

[85] 2019-03-01

[86] 2017-10-06 (PCT/US2017/055643)

[87] (WO2018/068007)

[30] US (15/287,733) 2016-10-06

[30] US (15/727,238) 2017-10-06

[21] **3,035,666**
[13] A1

[51] **Int.Cl. G06Q 10/00 (2012.01)**

[25] EN

[54] **MANAGED EMV KERNEL FOR FASTER PROCESSING**

[54] **NOYAU EMV GERE POUR UN TRAITEMENT PLUS RAPIDE**

[72] WALL, JONATHAN, US

[72] FAVERO, ROSS, US

[72] GLASS, ERIC NELSON, US

[71] INDEX SYSTEMS, LLC, US

[85] 2019-03-01

[86] 2017-09-08 (PCT/US2017/050633)

[87] (WO2018/049126)

[30] US (62/385,165) 2016-09-08

[21] **3,035,667**
[13] A1

[51] **Int.Cl. C09K 3/18 (2006.01) C09K 3/00 (2006.01)**

[25] EN

[54] **MELTING AGENT AND SUBSTRATE MATRICES**

[54] **AGENT DE FUSION ET MATRICES DE SUBSTRAT**

[72] SCHERRER, LAWRENCE C., US

[71] SCHERRER, LAWRENCE C., US

[85] 2019-03-01

[86] 2017-09-29 (PCT/US2017/054246)

[87] (WO2018/064450)

[30] US (62/401,625) 2016-09-29

[30] US (62/463,791) 2017-02-27

[21] **3,035,668**
[13] A1

[51] **Int.Cl. A23L 29/20 (2016.01) B65D 25/38 (2006.01) B65D 47/34 (2006.01)**

[25] EN

[54] **STORAGE AND DELIVERY SYSTEM**

[54] **SYSTEME DE STOCKAGE ET DE DISTRIBUTION**

[72] TRISTRAM, MICHAEL, AU

[72] TRISTRAM, IAN, AU

[72] MOSSEL, BRENDA, AU

[72] SKARSHEWSKI, PETER, AU

[71] TRISCO ICAP PTY LTD, AU

[85] 2019-03-04

[86] 2017-09-06 (PCT/AU2017/050966)

[87] (WO2018/045419)

[30] AU (2016903574) 2016-09-06

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[21] **3,035,672**
[13] A1

[51] **Int.Cl. C02F 1/467 (2006.01) C02F 1/28 (2006.01) C02F 1/42 (2006.01)**
[25] EN
[54] **USE OF ELECTROCHEMICAL OXIDATION FOR TREATMENT OF PER-AND POLYFLUOROALKYL SUBSTANCES (PFAS) IN WASTE GENERATED FROM SORBENT AND RESIN REGENERATION PROCESSES**
[54] **UTILISATION D'OXYDATION ELECTROCHIMIQUE POUR LE TRAITEMENT DE SUBSTANCES PER- ET POLYFLUOROALKYLE (PFAS) DANS DES DECHETS GENERES A PARTIR DE PROCEDES DE REGENERATION DE SORBANT ET DE RESINE**
[72] CHIANG, DORA (SHEAU-YUN), US
[71] AECOM (DELAWARE CORPORATION), US
[85] 2019-03-01
[86] 2017-09-12 (PCT/US2017/051204)
[87] (WO2018/097875)
[30] US (62/393,389) 2016-09-12

[21] **3,035,673**
[13] A1

[51] **Int.Cl. B30B 9/00 (2006.01)**
[25] EN
[54] **MULTI-SHAFT LAMINATED SPIRAL SOLID-LIQUID SEPARATOR WITH PENDULUM MOTION**
[54] **SEPARATEUR SOLIDE-LIQUIDE EN SPIRALE STRATIFIE A ARBRES MULTIPLES AVEC MOUVEMENT PENDULAIRE**
[72] WU, YUNPING, CN
[71] WU, YUNPING, CN
[85] 2019-03-04
[86] 2017-04-21 (PCT/CN2017/081348)
[87] (WO2018/191929)

[21] **3,035,675**
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION CONTAINING MTOR INHIBITOR FOR TREATING MACULAR DEGENERATION**
[54] **COMPOSITION PHARMACEUTIQUE CONTENANT UN INHIBITEUR DE MTOR POUR LE TRAITEMENT DE LA DEGENERESCENCE MACULAIRE**
[72] LEE, YOUNG-ILL, KR
[72] LEE, STEVEN HYUN SEUNG, KR
[72] PARK, TAE KWANN, KR
[71] CUROGENE LIFE SCIENCES CO., LTD, KR
[71] SOONCHUNHYANG UNIVERSITY INDUSTRY ACADEMY COOPERATION FOUNDATION, KR
[85] 2019-03-01
[86] 2017-03-17 (PCT/KR2017/002943)
[87] (WO2018/048046)
[30] KR (10-2016-0116310) 2016-09-09
[30] KR (10-2017-0033986) 2017-03-17

[21] **3,035,677**
[13] A1

[51] **Int.Cl. B62D 11/12 (2006.01) B62D 11/02 (2006.01) F16H 48/06 (2006.01) F16H 48/20 (2012.01)**
[25] EN
[54] **CONTINUOUSLY VARIABLE TRANSMISSION STEERING MECHANISM OF TRACKED VEHICLE**
[54] **MECANISME DE DIRECTION DE TRANSMISSION A VARIATION CONTINUE DE VEHICULE CHENILLE**
[72] FU, JIANGBIAO, CN
[72] LIU, FULIN, CN
[72] CHEN, BIJIAN, CN
[71] FU, JIANGBIAO, CN
[71] LIU, FULIN, CN
[71] CHEN, BIJIAN, CN
[85] 2019-03-04
[86] 2017-06-27 (PCT/CN2017/090158)
[87] (WO2018/045791)
[30] CN (201610812411.X) 2016-09-09

[21] **3,035,679**
[13] A1

[51] **Int.Cl. B28B 17/00 (2006.01) B29C 35/08 (2006.01) B29C 41/08 (2006.01) B29C 43/02 (2006.01) B29C 67/06 (2017.01) B29C 70/64 (2006.01) B41J 2/22 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING ADDITIVE MANUFACTURING**
[54] **SYSTEMES ET PROCEDES POUR REGULER LA FABRICATION ADDITIVE**
[72] TYLER, KENNETH, US
[72] STOCKETT, RYAN, US
[72] BUDGE, TREVOR, US
[72] ALFSON, BLAKE L., US
[72] COAD, JOSIAH D., US
[71] CC3D LLC, US
[85] 2019-03-01
[86] 2017-08-18 (PCT/US2017/047493)
[87] (WO2018/048604)
[30] US (62/383,801) 2016-09-06
[30] US (62/417,709) 2016-11-04
[30] US (62/449,899) 2017-01-24
[30] US (62/459,398) 2017-02-15
[30] US (62/526,448) 2017-06-29
[30] US (15/655,355) 2017-07-20
[30] US (15/655,528) 2017-07-20
[30] US (15/655,549) 2017-07-20
[30] US (15/655,589) 2017-07-20
[30] US (15/655,622) 2017-07-20
[30] US (15/655,637) 2017-07-20
[30] US (15/655,424) 2017-07-20

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[21] **3,035,680**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61P 31/16 (2006.01) C07D 403/04 (2006.01)**

[25] EN

[54] **ANTI-INFLUENZA VIRUS PYRIMIDINE DERIVATIVES**

[54] **DERIVE DE PYRIMIDINE DU VIRUS DE LA GRIPPE**

[72] XIONG, JIAN, CN
[72] LONG, CHAOFENG, CN
[72] WANG, JINGJING, CN
[72] CHEN, XIAOXIN, CN
[72] CHEN, KEVIN X., CN
[72] XIE, CHENG, CN
[72] LI, PENG, CN
[72] PENG, XUANJIA, CN
[72] LI, JIAN, CN
[72] CHEN, SHUHUI, CN
[71] GUANGDONG RAYNOVENT BIOTECH CO., LTD., CN

[85] 2019-03-04
[86] 2017-09-05 (PCT/CN2017/100461)
[87] (WO2018/041263)
[30] CN (201610804101.3) 2016-09-05
[30] CN (201611238759.9) 2016-12-28

[21] **3,035,681**
[13] A1

[51] **Int.Cl. C07K 16/00 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C12N 15/13 (2006.01)**

[25] EN

[54] **HETERODIMERIC IMMUNOGLOBULIN CONSTRUCTS AND PREPARATION METHODS THEREOF**

[54] **CONSTRUCTIONS D'IMMUNOGLOBULINES HETERODIMERIQUES ET LEURS PROCEDES DE PREPARATION**

[72] LIU, JIAWANG, CN
[72] SONG, NANMENG, CN
[72] YANG, DONGGE, CN
[72] YANG, YAPING, CN
[72] KIM, MAENGSUP, CN
[71] BEIJING HANMI PHARMACEUTICAL CO., LTD., CN

[85] 2019-03-04
[86] 2017-09-28 (PCT/CN2017/104044)
[87] (WO2018/059502)
[30] CN (201610863814.7) 2016-09-29

[21] **3,035,682**
[13] A1

[51] **Int.Cl. C01F 11/30 (2006.01) C01D 3/26 (2006.01) C05D 1/02 (2006.01) C05D 3/00 (2006.01) C05G 3/00 (2006.01)**

[25] EN

[54] **PROCEDURE FOR THE MANUFACTURE OF POTASSIUM CHLORIDE GRANULATE**

[54] **PROCEDE DE PRODUCTION DE GRANULES DE CHLORURE DE POTASSIUM**

[72] BAUCKE, GUIDO, DE
[72] DIETRICH, ARMIN, DE
[72] DRESSEL, STEFAN, DE
[72] KOPF, SEBASTIAN, DE
[72] MEISSNER, PAUL, DE
[72] WALCZYK, WOLFGANG, DE
[72] WALDMANN, LUDGER, DE
[71] K+S AKTIENGESSELLSCHAFT, DE

[85] 2019-03-04
[86] 2017-08-22 (PCT/DE2017/000259)
[87] (WO2018/041287)
[30] DE (10 2016 010 586.0) 2016-09-02

[21] **3,035,684**
[13] A1

[51] **Int.Cl. G01T 1/22 (2006.01) G01D 5/12 (2006.01) G01T 1/20 (2006.01) G01T 1/204 (2006.01) G08C 23/00 (2006.01)**

[25] EN

[54] **DETECTION APPARATUS AND METHOD**

[54] **APPAREIL ET PROCEDE DE DETECTION**

[72] SUR, BHASKAR, CA
[72] LI, GANG, CA
[72] BENTOUMI, GHAOUTI, CA
[72] LI, LIQIAN, CA
[71] ATOMIC ENERGY OF CANADA LIMITED / ENERGIE ATOMIQUE DU CANADA LIMITEE, CA

[85] 2019-03-04
[86] 2017-09-07 (PCT/CA2017/051048)
[87] (WO2018/045461)
[30] US (62/384,369) 2016-09-07

[21] **3,035,686**
[13] A1

[51] **Int.Cl. A61K 31/519 (2006.01) A61P 31/04 (2006.01) C07D 487/04 (2006.01)**

[25] EN

[54] **NEW USE OF TRIAZOLO(4,5-D)PYRIMIDINE DERIVATIVES FOR PREVENTION AND TREATMENT OF BACTERIAL INFECTION**

[54] **NOUVELLE UTILISATION DE DERIVES DE TRIAZOLO (4,5-D) PYRIMIDINE POUR LA PREVENTION ET LE TRAITEMENT D'UNE INFECTION BACTERIENNE**

[72] OURY, CECILE, BE
[72] LANCELLOTTI, PATRIZIO, BE
[71] UNIVERSITE DE LIEGE, BE

[85] 2019-03-04
[86] 2017-07-25 (PCT/EP2017/068811)
[87] (WO2018/046174)
[30] EP (16188201.4) 2016-09-09

[21] **3,035,688**
[13] A1

[51] **Int.Cl. A01K 31/06 (2006.01) A01K 31/10 (2006.01) F16B 2/10 (2006.01)**

[25] EN

[54] **POULTRY HOUSING SYSTEM CONNECTOR**

[54] **RACCORD DE SYSTEME DE LOGEMENT DE VOLAILLE**

[72] WINTER, ARNO, DE
[72] FRAHLING, HENRICK, DE
[71] FARMER AUTOMATIC GMBH & CO. KG, DE

[85] 2019-03-04
[86] 2017-08-25 (PCT/EP2017/071446)
[87] (WO2018/046318)
[30] GB (1615169.8) 2016-09-07

[21] **3,035,691**
[13] A1

[51] **Int.Cl. A47C 27/08 (2006.01)**

[25] EN

[54] **AIR CHAMBER VENT/INFLATION ELEMENT**

[54] **ELEMENT DE GONFLAGE/PRISE D'AIR DE CHAMBRE A AIR**

[72] PINNE, DARREN ROBERT, US
[71] CASCADE DESIGNS, INC., US

[85] 2019-03-01
[86] 2017-08-29 (PCT/US2017/049154)
[87] (WO2018/044911)
[30] US (62/382,729) 2016-09-01

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[21] **3,035,692**
[13] A1

[51] **Int.Cl. A47J 37/07 (2006.01)**
[25] EN
[54] **DISPOSABLE GRILL AND METHOD OF MANUFACTURING A DISPOSABLE GRILL**
[54] **GRILL JETABLE ET PROCEDE DE FABRICATION D'UN GRILL JETABLE**
[72] BROGGER, CARSTEN NYGAARD, DK
[71] NOVO FUTURA IVS, DK
[85] 2019-03-04
[86] 2016-09-02 (PCT/DK2016/050293)
[87] (WO2018/041312)

[21] **3,035,695**
[13] A1

[51] **Int.Cl. B22F 3/105 (2006.01) B29C 64/153 (2017.01) B28B 1/00 (2006.01)**
[25] EN
[54] **METHOD FOR REMOVING FILLING MATERIAL FROM A CAVITY PRESENT IN A COMPONENT AND APPARATUS FOR PERFORMING SAID METHOD**
[54] **PROCEDE POUR EVACUER UN MATERIAU DE REMPLISSAGE D'UN ESPACE CREUX DANS UNE PIECE STRUCTURALE ET APPAREIL POUR LA REALISATION DE CE PROCEDE**
[72] KIENER, CHRISTOPH, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2019-03-04
[86] 2017-08-30 (PCT/EP2017/071776)
[87] (WO2018/046373)
[30] DE (10 2016 216 839.8) 2016-09-06

[21] **3,035,696**
[13] A1

[51] **Int.Cl. B22F 1/02 (2006.01) B33Y 70/00 (2015.01) B22F 3/105 (2006.01) B22F 5/00 (2006.01)**
[25] EN
[54] **METHOD FOR GENERATING A COMPONENT BY A POWDER-BED-BASED ADDITIVE MANUFACTURING METHOD AND POWDER FOR USE IN SUCH A METHOD**
[54] **PROCEDE POUR PRODUIRE UN ELEMENT STRUCTURAL AU MOYEN D'UN PROCEDE DE FABRICATION ADDITIVE SUR LIT DE POUDRE ET POUDRE POUR UTILISER UN TEL PROCEDE**
[72] BRUNHUBER, CHRISTIAN, DE
[72] SCHAFFER, MARTIN, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2019-03-04
[86] 2017-08-30 (PCT/EP2017/071725)
[87] (WO2018/046361)
[30] DE (10 2016 216 859.2) 2016-09-06

[21] **3,035,697**
[13] A1

[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/397 (2006.01) A61K 31/4025 (2006.01) A61K 31/415 (2006.01) A61K 31/4155 (2006.01) A61K 31/4178 (2006.01) A61K 31/426 (2006.01) A61K 31/4409 (2006.01) A61K 31/4439 (2006.01) A61K 31/454 (2006.01) A61K 31/4725 (2006.01) A61K 31/496 (2006.01) A61K 31/505 (2006.01) A61K 31/5377 (2006.01) A61K 31/541 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 37/04 (2006.01) C07C 211/06 (2006.01) C07C 211/08 (2006.01) C07C 211/26 (2006.01) C07C 211/29 (2006.01) C07C 211/35 (2006.01) C07C 235/74 (2006.01) C07C 237/08 (2006.01) C07D 205/04 (2006.01) C07D 207/12 (2006.01) C07D 207/14 (2006.01) C07D 211/22 (2006.01) C07D 211/46 (2006.01) C07D 211/58 (2006.01) C07D 211/60 (2006.01) C07D 211/66 (2006.01) C07D 213/38 (2006.01) C07D 213/42 (2006.01) C07D 213/55 (2006.01) C07D 213/85 (2006.01) C07D 231/12 (2006.01) C07D 239/26 (2006.01) C07D 277/28 (2006.01) C07D 401/04 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 405/06 (2006.01) C07D 405/12 (2006.01) C07D 417/12 (2006.01)**

[25] EN
[54] **BIARYL COMPOUNDS USEFUL AS IMMUNOMODULATORS**
[54] **COMPOSES BIARYLES UTILES EN TANT QU'IMMUNOMODULATEURS**
[72] YEUNG, KAP-SUN, US
[72] GRANT-YOUNG, KATHARINE A., US
[72] ZHU, JULIANG, US
[72] SAULNIER, MARK G., US
[72] FRENNESSON, DAVID B., US
[72] LANGLEY, DAVID R., US
[72] HEWAWASAM, PIYASENA, US
[72] WANG, TAO, US
[72] ZHANG, ZHONGXING, US
[72] MENG, ZHAOXING, US
[72] SUN, LI-QIANG, US
[72] MULL, ERIC, US
[72] SCOLA, PAUL MICHAEL, US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2019-03-01
[86] 2017-08-30 (PCT/US2017/049252)
[87] (WO2018/044963)
[30] US (62/382,480) 2016-09-01
[30] US (15/689,115) 2017-08-29

[21] **3,035,698**
[13] A1

[51] **Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/6844 (2018.01) C12Q 1/6869 (2018.01) C12N 15/10 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **NORMALIZATION OF NGS LIBRARY CONCENTRATION**
[54] **NORMALISATION DE CONCENTRATION DE BANQUE NGS**
[72] MAKAROV, VLADIMIR, US
[72] CHUPRETA, SERGEY, US
[71] SWIFT BIOSCIENCES, INC., US
[85] 2019-03-01
[86] 2017-09-06 (PCT/US2017/050354)
[87] (WO2018/048957)
[30] US (62/384,118) 2016-09-06

PCT Applications Entering the National Phase

[21] **3,035,699**
[13] A1

[51] **Int.Cl. G01S 13/06 (2006.01) G01S 13/75 (2006.01) A63B 24/00 (2006.01) A63B 71/06 (2006.01) G06K 7/10 (2006.01)**

[25] EN

[54] **METHOD, APPARATUS AND COMPUTER PROGRAM FOR DETERMINING INFORMATION ON A POSITION OF AN OBJECT, THE OBJECT EMITTING A MAGNETIC FIELD**

[54] **PROCEDE, APPAREIL ET PROGRAMME INFORMATIQUE POUR DETERMINER DES INFORMATIONS SUR UNE POSITION D'UN OBJET, L'OBJET EMETTANT UN CHAMP MAGNETIQUE**

[72] PSIUK, RAFAEL, DE
[72] HARTMANN, MARKUS, DE
[72] DRAGER, TOBIAS, DE
[72] ESKILDSEN, JORN, DK
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE

[85] 2019-03-04
[86] 2017-08-31 (PCT/EP2017/071930)
[87] (WO2018/077514)
[30] DE (10 2016 120 246.0) 2016-10-24

[21] **3,035,701**
[13] A1

[51] **Int.Cl. C12N 5/0786 (2010.01)**

[25] EN

[54] **CELL THERAPY WITH POLARIZED MACROPHAGES FOR TISSUE REGENERATION**

[54] **THERAPIE CELLULAIRE UTILISANT DES MACROPHAGES POLARISES POUR LA REGENERATION TISSULAIRE**

[72] HOTTER CORRIPIO, MARIA GEORGINA, ES
[72] SOLA MARTINEZ, ANA MARIA, ES
[72] MARTIN CORDERO, JORGE VICENTE, ES
[72] GARCIA DE LA RIVA MESTRE, PABLO, ES
[72] DOMINGUEZ SANCHEZ, RUBEN, ES
[72] SANCHEZ MORENO, JAIME, ES
[72] GINESTA BUCH, XAVIER, ES
[72] RODRIGUEZ GARCIA, ANNA, ES
[72] CASTILLO GARCIA, ADRIAN, ES
[71] XCELL MEDICAL SOLUTIONS, S.L., ES

[85] 2019-03-04
[86] 2017-09-25 (PCT/EP2017/074209)
[87] (WO2018/055153)
[30] EP (16382443.6) 2016-09-23

[21] **3,035,703**
[13] A1

[51] **Int.Cl. A61M 11/00 (2006.01) A61M 15/00 (2006.01)**

[25] EN

[54] **ATOMISER, IN PARTICULAR INHALER, FOR ATOMISING A LIQUID ACTIVE AGENT TO FORM AN AEROSOL AND A CORRESPONDING METHOD**

[54] **PULVERISATEUR, EN PARTICULIER INHALATEUR, POUR PULVERISER UN PRINCIPE ACTIF LIQUIDE EN UN AEROSOL ET PROCEDE CORRESPONDANT**

[72] BARTELS, FRANK, DE
[72] RAWERT, JURGEN, DE
[71] SOFTHALE NV, BE

[85] 2019-03-04
[86] 2017-09-29 (PCT/EP2017/074775)
[87] (WO2018/060425)
[30] DE (10 2016 118 654.6) 2016-09-30

[21] **3,035,706**
[13] A1

[51] **Int.Cl. A61B 17/221 (2006.01) A61B 17/3207 (2006.01) A61B 90/00 (2016.01) A61B 17/22 (2006.01)**

[25] EN

[54] **A CLOT RETRIEVAL DEVICE FOR REMOVING OCCLUSIVE CLOT FROM A BLOOD VESSEL**

[54] **DISPOSITIF DE RETRAIT DE CAILLOT POUR RETIRER UN CAILLOT OCCLUSIF D'UN VAISSEAU SANGUIN**

[72] VALE, DAVID, IE
[72] CASEY, BRENDAN, IE
[72] FAHY, BRIAN, IE
[72] BRADY, EAMON, IE
[72] HOLIAN, MAEVE, IE
[72] KING, DANIEL, IE
[72] GILVARRY, MICHAEL, IE
[72] O'GORMAN, JACQUELINE, IE
[71] NEURAVI LIMITED, IE

[85] 2019-03-04
[86] 2017-09-01 (PCT/EP2017/072030)
[87] (WO2018/046408)
[30] US (62/383,905) 2016-09-06

[21] **3,035,707**
[13] A1

[51] **Int.Cl. B63B 35/79 (2006.01) B60P 3/10 (2006.01) B63B 49/00 (2006.01) B63H 11/107 (2006.01) G01C 21/20 (2006.01) G08G 3/00 (2006.01)**

[25] EN

[54] **CRAFT FOR USE ON A BODY OF WATER AND TRANSPORT AND CONTROL SYSTEM THEREFORE**

[54] **EMBARCATION DESTINEE A ETRE UTILISEE SUR L'EAU ET SYSTEME DE TRANSPORT ET DE COMMANDE ASSOCIE**

[72] LOMAX, STUART, GB
[71] BOD-JET GLOBAL LIMITED, GB

[85] 2019-03-04
[86] 2016-10-07 (PCT/GB2016/053128)
[87] (WO2017/060723)
[30] GB (1517678.7) 2015-10-07
[30] GB (1520156.9) 2015-11-16
[30] GB (1520157.7) 2015-11-16
[30] GB (1520846.5) 2015-11-26

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[21] **3,035,708**
[13] A1

[51] **Int.Cl. F03D 1/06 (2006.01)**
[25] EN
[54] **METHOD AND EQUIPMENT FOR REPAIRING THE ROOTS OF WIND TURBINE BLADES**
[54] **PROCEDE ET DISPOSITIF DE REPARATION DE RACINES DE PALES D'EOLIENNES**
[72] GARCIA DE LA PENA RAZQUIN, EMMANUEL, ES
[71] EMPRENDING BUSINESS, ES
[85] 2019-03-04
[86] 2016-09-05 (PCT/ES2016/070622)
[87] (WO2018/042063)

[21] **3,035,711**
[13] A1

[51] **Int.Cl. A61K 35/745 (2015.01) A61P 29/00 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **PROBIOTIC BACTERIAL STRAINS BELONGING TO THE GENUS BIFIDOBACTERIUM AND PROBIOTIC CELL EXTRACTS (PCES) THEREOF HAVING IMMUNOSTIMULATING PROPERTIES**
[54] **SOUCHES BACTERIENNES PROBIOTIQUES APPARTENANT AU GENRE BIFIDOBACTERIUM ET EXTRAITS DE CELLULES PROBIOTIQUES (PCE) DE CELLES-CI AYANT DES PROPRIETES IMMUNOSTIMULANTES**
[72] MOGNA, GIOVANNI, IT
[71] BIOIMMUNIZER SA, CH
[85] 2019-03-04
[86] 2017-09-08 (PCT/IB2017/055423)
[87] (WO2018/047106)
[30] IT (102016000091033) 2016-09-08

[21] **3,035,712**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **8-(AZETIDIN-1-YL)-[1,2,4]TRIAZOLO[1,5-A]PYRIDINYL COMPOUNDS, COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSES DE 8-(AZETIDIN-1-YL)-[1,2,4]TRIAZOLO[1,5-A]PYRIDINYLE, COMPOSITIONS ET PROCEDES D'UTILISATION DE CEUX-CI**
[72] GOODACRE, SIMON CHARLES, GB
[72] ZAK, MARK, US
[72] ROMERO, F. ANTHONY, US
[72] CHENG, YUN-XING, CN
[72] CHENG, LIMIN, CN
[72] HUA, RONGBAO, CN
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2019-03-04
[86] 2017-09-02 (PCT/EP2017/072034)
[87] (WO2018/046409)
[30] CN (PCT/CN2016/098215) 2016-09-06

[21] **3,035,714**
[13] A1

[51] **Int.Cl. D03D 11/00 (2006.01) D21F 1/10 (2006.01)**
[25] EN
[54] **INDUSTRIAL TWO-LAYERED FABRIC**
[54] **TISSU INDUSTRIEL A DEUX COUCHES**
[72] UEDA, IKUO, JP
[72] HASHIGUCHI, TEPPEI, JP
[71] NIPPON FILCON CO., LTD, JP
[85] 2019-03-04
[86] 2016-09-06 (PCT/JP2016/076075)
[87] (WO2018/047217)

[21] **3,035,715**
[13] A1

[51] **Int.Cl. A61M 25/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR LOCALIZED INTRAVASCULAR THERAPY**
[54] **PROCEDE ET DISPOSITIF DE THERAPIE INTRAVASCULAIRE LOCALISEE**
[72] SCHNEIDERMAN, JACOB, IL
[72] COHEN, MOSHIK, IL
[71] SCHNEIDERMAN, JACOB, IL
[71] COHEN, MOSHIK, IL
[85] 2019-03-04
[86] 2017-09-05 (PCT/IL2017/050998)
[87] (WO2018/042446)
[30] US (62/383,511) 2016-09-05

[21] **3,035,716**
[13] A1

[51] **Int.Cl. E21B 43/013 (2006.01) F16L 1/16 (2006.01) F16L 11/133 (2006.01)**
[25] EN
[54] **UMBILICAL METHOD**
[54] **PROCEDE DE POSE D'OMBILICAL**
[72] STENEVIK, KARL ATLE, NO
[71] EQUINOR ENERGY AS, NO
[85] 2019-03-04
[86] 2017-08-31 (PCT/NO2017/050215)
[87] (WO2018/044177)
[30] GB (1615015.3) 2016-09-05

[21] **3,035,719**
[13] A1

[51] **Int.Cl. B60W 30/09 (2012.01) B60R 21/00 (2006.01) B60W 30/06 (2006.01) B60W 40/02 (2006.01)**
[25] EN
[54] **OBSTACLE DETERMINATION METHOD, PARKING SUPPORT METHOD, DISPATCH SUPPORT METHOD, AND OBSTACLE DETERMINATION DEVICE**
[54] **PROCEDE DE DETERMINATION D'OBSTACLE, PROCEDE D'AIDE AU STATIONNEMENT, PROCEDE D'AIDE A L'EXPEDITION ET DISPOSITIF DE DETERMINATION D'OBSTACLE**
[72] SUZUKI, YASUHIRO, JP
[72] HAYAKAWA, YASUHISA, JP
[72] TANIGUCHI, YOHEI, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2019-03-04
[86] 2016-09-06 (PCT/JP2016/076119)
[87] (WO2018/047223)

PCT Applications Entering the National Phase

[21] **3,035,723**
[13] A1

[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01)**

[25] EN

[54] **DEGLYCOSYLATED ANTIBODY SPECIFICALLY BINDING TO CLEC14A AND USES THEREOF**

[54] **ANTICORPS DEGLYCOSYLE SE LIANT SPECIFIQUEMENT A CLEC14A ET SES UTILISATIONS**

[72] LEE, SUKMOOK, KR
[72] KIM, TAEK-KEUN, KR
[72] KIM, MI RA, KR
[72] JANG, JI HYE, KR
[71] WOORI TECHNOLOGIES CORPORATION, KR
[85] 2019-03-04
[86] 2017-09-08 (PCT/KR2017/009851)
[87] (WO2018/048234)
[30] KR (10-2016-0115577) 2016-09-08

[21] **3,035,724**
[13] A1

[51] **Int.Cl. B65D 1/02 (2006.01) B65D 1/44 (2006.01)**

[25] EN

[54] **SYNTHETIC RESIN CONTAINER RECIPIENT EN RESINE SYNTHETIQUE**

[72] USAMI, TETSURO, JP
[72] ASARI, TSUTOMU, JP
[71] YOSHINO KOGYOSHO CO., LTD., JP
[85] 2019-03-04
[86] 2017-07-04 (PCT/JP2017/024489)
[87] (WO2018/055872)
[30] JP (2016-185615) 2016-09-23

[21] **3,035,725**
[13] A1

[51] **Int.Cl. C10G 47/02 (2006.01) C10G 47/14 (2006.01)**

[25] EN

[54] **PROCESS FOR ACTIVATION AND OPERATION OF A HYDROCARBON UPGRADING CATALYST**

[54] **PROCEDE D'ACTIVATION ET DE FONCTIONNEMENT D'UN CATALYSEUR DE VALORISATION D'HYDROCARBURES**

[72] NEMAC, LARRY, US
[71] BP P.L.C., GB
[85] 2019-03-04
[86] 2017-09-04 (PCT/EP2017/072130)
[87] (WO2018/046449)
[30] US (62/383694) 2016-09-06

[21] **3,035,727**
[13] A1

[51] **Int.Cl. A63B 71/06 (2006.01)**

[25] EN

[54] **APPARATUS, SYSTEMS, AND METHODS FOR SIGNAL LOCALIZATION AND DIFFERENTIATION**

[54] **APPAREIL, SYSTEMES, ET PROCEDES DE LOCALISATION ET DE DIFFERENCIATION DE SIGNAUX**

[72] NESEMEIER, FREDERICK, US
[72] NESEMEIER, GARY, US
[72] WILLIAMS, DAVID, US
[71] NESEMEIER, FREDERICK, US
[71] NESEMEIER, GARY, US
[71] WILLIAMS, DAVID, US
[85] 2019-03-04
[86] 2016-04-04 (PCT/US2016/025907)
[87] (WO2017/039758)
[30] US (14/846,776) 2015-09-06

[21] **3,035,729**
[13] A1

[51] **Int.Cl. C08G 18/02 (2006.01) C08G 59/02 (2006.01) C08G 59/18 (2006.01) C08K 7/16 (2006.01) C08L 75/02 (2006.01) C08L 75/04 (2006.01) C09D 175/02 (2006.01) C09D 175/04 (2006.01)**

[25] EN

[54] **POLYMERIC COMPOSITION COMPRISING SPHERICAL AGGREGATE AND METHOD OF USE THEREOF**

[54] **COMPOSITION POLYMERE COMPRENANT UN AGREGAT SPHERIQUE ET SON PROCEDE D'UTILISATION**

[72] WERST, NATHAN E., US
[71] THE WILLAMETTE VALLEY COMPANY, US
[85] 2019-03-01
[86] 2017-08-30 (PCT/US2017/049258)
[87] (WO2018/044965)
[30] US (62/382,827) 2016-09-02

[21] **3,035,730**
[13] A1

[51] **Int.Cl. G06F 9/455 (2018.01) E21B 41/00 (2006.01)**

[25] EN

[54] **SELECTIVE DIFFUSION INCLUSION FOR A RESERVOIR SIMULATION FOR HYDROCARBON RECOVERY**

[54] **INCLUSION DE DIFFUSION SELECTIVE POUR UNE SIMULATION DE RESERVOIR POUR UNE RECUPERATION D'HYDROCARBURES**

[72] MOHEBBINIA, SAEDEH, US
[72] WONG, TERRY WAYNE, US
[71] LANDMARK GRAPHICS CORPORATION, US
[85] 2019-03-04
[86] 2017-08-02 (PCT/US2017/045071)
[87] (WO2018/089059)
[30] US (62/419,257) 2016-11-08
[30] US (62/419,230) 2016-11-08

Demandes PCT entrant en phase nationale

[21] **3,035,732**
[13] A1

[51] **Int.Cl. B01D 35/147 (2006.01) B01D 29/11 (2006.01) B01D 29/13 (2006.01) B01D 35/30 (2006.01)**

[25] EN

[54] **FILTER ELEMENT LOCKING MECHANISM FOR CLEAN SERVICE**

[54] **MECANISME DE VERROUILLAGE D'ELEMENT DE FILTRE POUR SERVICE PROPRE**

[72] MORRIS, BRYANT A., US

[72] RIES, JEFFREY R., US

[72] BENNETT, TIMOTHY J., US

[71] CATERPILLAR, INC., US

[85] 2019-03-04

[86] 2017-07-25 (PCT/US2017/043696)

[87] (WO2018/048513)

[30] US (15/258,280) 2016-09-07

[21] **3,035,733**
[13] A1

[51] **Int.Cl. G06F 9/455 (2018.01) E21B 41/00 (2006.01)**

[25] EN

[54] **DIFFUSION FLUX INCLUSION FOR A RESERVOIR SIMULATION FOR HYDROCARBON RECOVERY**

[54] **INCLUSION DU FLUX DE DIFFUSION POUR UNE SIMULATION DE RESERVOIR EN VUE DE LA RECUPERATION D'HYDROCARBURES**

[72] MOHEBBINIA, SAEDEH, US

[72] WONG, TERRY WAYNE, US

[71] LANDMARK GRAPHICS CORPORATION, US

[85] 2019-03-04

[86] 2017-08-02 (PCT/US2017/045104)

[87] (WO2018/089060)

[30] US (62/419,230) 2016-11-08

[30] US (62/419,257) 2016-11-08

[21] **3,035,735**
[13] A1

[51] **Int.Cl. B60G 21/055 (2006.01) B60G 21/04 (2006.01) F16J 3/04 (2006.01) F16J 15/52 (2006.01)**

[25] EN

[54] **STABILIZER AND ASSEMBLING METHOD THEREFOR**

[54] **STABILISATEUR ET SON PROCEDE D'ASSEMBLAGE**

[72] OHMURA, SHUJI, JP

[72] KURODA, SHIGERU, JP

[71] NHK SPRING CO., LTD., JP

[85] 2019-03-04

[86] 2017-08-07 (PCT/JP2017/028546)

[87] (WO2018/043044)

[30] JP (2016-172571) 2016-09-05

[21] **3,035,736**
[13] A1

[51] **Int.Cl. C02F 1/50 (2006.01)**

[25] EN

[54] **REDUCTION OF DISINFECTION BYPRODUCT FORMATION IN DRINKING WATER**

[54] **REDUCTION DE LA FORMATION DE SOUS-PRODUITS DE DESINFECTION DANS DE L'EAU POTABLE**

[72] AU, KWOK-KEUNG, US

[72] GARIBI, ALBERTO, US

[72] BLOCK, PHILIP, US

[71] PEROXYCHEM LLC, US

[85] 2019-03-01

[86] 2017-08-30 (PCT/US2017/049389)

[87] (WO2018/045035)

[30] US (62/383,009) 2016-09-02

[21] **3,035,737**
[13] A1

[51] **Int.Cl. B62D 55/084 (2006.01)**

[25] EN

[54] **SLIDER FOR TRACK ASSEMBLY OF MACHINE**

[54] **PIECE COULISSANTE POUR ENSEMBLE CHENILLE DE MACHINE**

[72] DUMITRU, MIRCEA, US

[71] CATERPILLAR INC., US

[85] 2019-03-04

[86] 2017-08-04 (PCT/US2017/045459)

[87] (WO2018/048537)

[30] US (15/259,527) 2016-09-08

[21] **3,035,738**
[13] A1

[51] **Int.Cl. D04H 1/4218 (2012.01) D04H 1/544 (2012.01) D04H 1/546 (2012.01)**

[25] EN

[54] **A CORROSION-RESISTANT NON-WOVEN FOR PIPE LINER PULTRUSION APPLICATIONS**

[54] **NON TISSE RESISTANT A LA CORROSION POUR DES APPLICATIONS DE PULTRUSION DE REVETEMENT DE TUYAU**

[72] WU, JIANHUI, US

[72] SPOO, KEVIN, US

[72] PESSELL, JEFF, US

[71] OCV INTELLECTUAL CAPITAL, LLC, US

[85] 2019-03-04

[86] 2017-08-31 (PCT/US2017/049557)

[87] (WO2018/128649)

[30] US (62/383,665) 2016-09-06

[21] **3,035,739**
[13] A1

[51] **Int.Cl. B29C 45/76 (2006.01) B29C 45/73 (2006.01)**

[25] EN

[54] **INJECTION MOLDING SYSTEM WITH USER-ADJUSTABLE VARIABLES**

[54] **SYSTEME DE MOULAGE PAR INJECTION A VARIABLES AJUSTABLES PAR L'UTILISATEUR**

[72] ALTONEN, GENE MICHAEL, US

[72] BURNS, BRIAN MATTHEW, US

[72] HANSON, H. KENNETH, III, US

[71] IMFLUX INC., US

[85] 2019-03-01

[86] 2017-08-31 (PCT/US2017/049561)

[87] (WO2018/045143)

[30] US (62/382,325) 2016-09-01

PCT Applications Entering the National Phase

[21] **3,035,740**
[13] A1

[51] **Int.Cl. C01G 53/10 (2006.01) C01G 51/10 (2006.01) C22B 3/38 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING SOLUTIONS CONTAINING NICKEL OR COBALT**
[54] **PROCEDE DE PRODUCTION DE SOLUTIONS CONTENANT DU NICKEL OU DU COBALT**
[72] OHARA, HIDEKI, JP
[72] TAN, TOSHIROU, JP
[72] TAKANO, MASATOSHI, JP
[72] ASANO, SATOSHI, JP
[72] KOBAYASHI, HIROSHI, JP
[71] SUMITOMO METAL MINING CO., LTD., JP
[85] 2019-03-04
[86] 2017-09-01 (PCT/JP2017/031569)
[87] (WO2018/043703)
[30] JP (2016-172877) 2016-09-05

[21] **3,035,741**
[13] A1

[51] **Int.Cl. B29C 45/76 (2006.01) B29C 45/77 (2006.01)**
[25] EN
[54] **INJECTION MOLDING SYSTEM WITH DISCRETELY-ADJUSTABLE VARIABLE CONTROL**
[54] **SYSTEME DE MOULAGE PAR INJECTION A COMMANDE VARIABLE REGLABLE DE MANIERE DISCRETE**
[72] ALTONEN, GENE MICHAEL, US
[72] BURNS, BRIAN MATTHEW, US
[72] HANSON, H. KENNETH, III, US
[71] IMFLUX INC., US
[85] 2019-03-01
[86] 2017-08-31 (PCT/US2017/049632)
[87] (WO2018/045180)
[30] US (62/382,335) 2016-09-01

[21] **3,035,742**
[13] A1

[51] **Int.Cl. F16K 15/06 (2006.01) B65D 88/70 (2006.01) F16K 21/00 (2006.01) F16K 24/00 (2006.01) F16K 24/06 (2006.01) F16K 31/00 (2006.01) F16K 31/12 (2006.01) F16K 31/122 (2006.01) F16K 31/383 (2006.01)**
[25] EN
[54] **SANITARY HIGH PRESSURE AERATOR VALVE ASSEMBLY**
[54] **ENSEMBLE SOUPAPE D'AERATEUR SANITAIRE A HAUTE PRESSION**
[72] TIFFANY, HENRY D., US
[72] ROSE, PAUL S., US
[72] HALL, AARON G., US
[72] SMITH, DANIEL S., US
[71] CONTROL CONCEPTS, INC., US
[85] 2019-03-04
[86] 2017-08-06 (PCT/US2017/045653)
[87] (WO2018/048542)
[30] US (15/261,634) 2016-09-09
[30] US (15/603,329) 2017-05-23

[21] **3,035,743**
[13] A1

[51] **Int.Cl. B01L 3/02 (2006.01) B82Y 5/00 (2011.01) G01N 27/62 (2006.01) G01N 30/72 (2006.01) H01J 49/00 (2006.01) H01J 49/04 (2006.01) H01J 49/26 (2006.01)**
[25] EN
[54] **COLLECTION PROBE AND METHODS FOR THE USE THEREOF**
[54] **SONDE DE COLLECTE ET SON PROCEDE D'UTILISATION**
[72] EBERLIN, LIVIA SCHIAVINATO, US
[72] MILNER, THOMAS, US
[72] ZHANG, JIALING, US
[72] LIN, JOHN, US
[72] RECTOR, JOHN, US
[72] KATTA, NITESH, US
[72] ZAHEDIVASH, AYDIN, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2019-03-01
[86] 2017-08-31 (PCT/US2017/049689)
[87] (WO2018/045208)
[30] US (62/383,234) 2016-09-02
[30] US (62/411,321) 2016-10-21
[30] US (62/462,524) 2017-02-23

[21] **3,035,744**
[13] A1

[51] **Int.Cl. B60J 11/04 (2006.01)**
[25] EN
[54] **PROTECTION TARP FOR MOTOR VEHICLES**
[54] **HOUSSE DE PROTECTION POUR AUTOMOBILES**
[72] ESQUEU VINOLES, DAVID, ES
[72] PUJULA CUSTOJA, ELISENDA, ES
[71] ESQUEU VINOLES, DAVID, ES
[71] PUJULA CUSTOJA, ELISENDA, ES
[85] 2019-03-04
[86] 2017-07-25 (PCT/ES2017/070535)
[87] (WO2018/046782)
[30] ES (U201631092) 2016-09-06

[21] **3,035,745**
[13] A1

[51] **Int.Cl. G02B 6/38 (2006.01)**
[25] EN
[54] **OPTICAL FIBER CONNECTIVITY SYSTEM INCLUDING MODULES AND INTERCONNECTION CABLES**
[54] **SYSTEME DE CONNECTIVITE DE FIBRE OPTIQUE COMPRENANT DES MODULES ET DES CABLES D'INTERCONNEXION**
[72] BILLMAN, BRADLEY SCOTT, US
[71] COMMSCOPE TECHNOLOGIES LLC, US
[85] 2019-03-01
[86] 2017-08-31 (PCT/US2017/049736)
[87] (WO2018/045234)
[30] US (62/383,227) 2016-09-02
[30] US (62/506,598) 2017-05-15

[21] **3,035,746**
[13] A1

[51] **Int.Cl. C09D 133/06 (2006.01) C08G 63/12 (2006.01) C09D 167/00 (2006.01)**
[25] EN
[54] **ALKYD POLYMER COMPOSITIONS AND PRODUCT FORMULATIONS FORMED THEREFROM**
[54] **COMPOSITIONS POLYMERES ALKYDES ET FORMULATIONS DE PRODUIT FORMEES A PARTIR DE CES DERNIERES**
[72] KIM, KYN-JUN, US
[71] ARKEMA INC., US
[85] 2019-03-04
[86] 2017-08-25 (PCT/US2017/048546)
[87] (WO2018/048638)
[30] US (62/384,239) 2016-09-07

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[21] **3,035,750**
[13] A1

[51] **Int.Cl. G01N 21/65 (2006.01) G01N 21/25 (2006.01)**
[25] EN
[54] **AMINE DETECTION USING SURFACE ENHANCED RAMAN SPECTROSCOPY WITH FUNCTIONALIZED NANOPARTICLES**
[54] **DETECTION D'AMINE A L'AIDE DE LA SPECTROSCOPIE RAMAN EXALTEE DE SURFACE AVEC DES NANOPARTICULES FONCTIONNALISEES**
[72] SURESH, RADHIKA, US
[72] MURUGESAN, SANKARAN, US
[72] KHABASHESKU, VALERY N., US
[72] VENTURA, DARRYL, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2019-03-04
[86] 2017-09-08 (PCT/US2017/050600)
[87] (WO2018/049105)
[30] US (62/384,779) 2016-09-08

[21] **3,035,751**
[13] A1

[51] **Int.Cl. F41H 3/02 (2006.01) F41H 1/02 (2006.01)**
[25] EN
[54] **COLORED MULTILAYERED COMPOSITE FABRICS**
[54] **TISSUS COMPOSITES MULTICOUCHES COLORES**
[72] WAGNER, LORI L., US
[72] ARVIDSON, BRIAN DUANE, US
[72] DAVIS, GREGORY A., US
[72] ARDIFF, HENRY GERARD, US
[71] HONEYWELL INTERNATIONAL INC., US
[85] 2019-03-04
[86] 2017-09-05 (PCT/US2017/050021)
[87] (WO2018/048771)
[30] US (62/384,437) 2016-09-07
[30] US (15/679,428) 2017-08-17

[21] **3,035,752**
[13] A1

[51] **Int.Cl. F03B 13/12 (2006.01) F03B 13/14 (2006.01) F03B 13/16 (2006.01) F03B 13/18 (2006.01) F03B 13/20 (2006.01)**
[25] EN
[54] **SEGMENTED CONCRETE HULL FOR WAVE ENERGY CONVERTERS AND METHOD OF CONSTRUCTING**
[54] **COQUE EN BETON SEGMENTEE POUR CONVERTISSEURS D'ENERGIE HOULOMOTRICE ET PROCEDE DE CONSTRUCTION**
[72] VISELLI, ANTHONY M., US
[72] DAGHER, HABIB J., US
[71] UNIVERSITY OF MAINE SYSTEM BOARD OF TRUSTEES, US
[85] 2019-03-04
[86] 2017-09-05 (PCT/US2017/050045)
[87] (WO2018/045368)
[30] US (62/382,899) 2016-09-02

[21] **3,035,754**
[13] A1

[51] **Int.Cl. E21B 44/04 (2006.01) E21B 17/042 (2006.01) E21B 47/12 (2012.01)**
[25] EN
[54] **REAL TIME UNTORQUING AND OVER-TORQUING OF DRILL STRING CONNECTIONS**
[54] **DETECTION EN TEMPS REEL DU DESSERRAGE ET DU SERRAGE EXCESSIF DE RACCORDS DE TRAIN DE TIGES DE FORAGE**
[72] FORSTNER, INGO, US
[72] SCHOENBORN, KAI, US
[72] RODERS, INGO, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2019-03-04
[86] 2017-09-05 (PCT/US2017/050061)
[87] (WO2018/048793)
[30] US (15/257,215) 2016-09-06

[21] **3,035,756**
[13] A1

[51] **Int.Cl. C09D 5/02 (2006.01)**
[25] EN
[54] **ACOUSTICALLY TRANSPARENT COATING**
[54] **REVETEMENT ACOUSTIQUEMENT TRANSPARENT**
[72] BURY, RAFAEL, US
[72] LI, DONGHONG, US
[72] HULKA, SAMUEL D., US
[71] USG INTERIORS, LLC, US
[85] 2019-03-04
[86] 2017-09-06 (PCT/US2017/050225)
[87] (WO2018/048865)
[30] US (15/258,159) 2016-09-07

[21] **3,035,757**
[13] A1

[51] **Int.Cl. A61K 31/436 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **MIF INHIBITORS AND METHODS OF USE THEREOF**
[54] **INHIBITEURS DE MIF ET LEURS METHODES D'UTILISATION**
[72] DAWSON, TED M., US
[72] DAWSON, VALINA L., US
[72] WANG, YINGFEI, US
[72] PARK, HYEJIN, US
[72] LIU, JUN, US
[72] PENG, HANJING, US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2019-03-01
[86] 2017-08-31 (PCT/US2017/049778)
[87] (WO2018/045250)
[30] US (62/383,209) 2016-09-02

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[21] **3,035,758**
[13] A1

[51] **Int.Cl. G05D 1/10 (2006.01) B64C 39/02 (2006.01)**

[25] EN

[54] **GEOGRAPHIC AREA MONITORING SYSTEMS AND METHODS UTILIZING COMPUTATIONAL SHARING ACROSS MULTIPLE UNMANNED VEHICLES**

[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE DE ZONE GEOGRAPHIQUE METTANT EN OEUVRE LE PARTAGE INFORMATIQUE ENTRE DES VEHICULES SANS PILOTE MULTIPLES**

[72] CANTRELL, ROBERT L., US
[72] THOMPSON, JOHN P., US
[72] WINKLE, DAVID C., US
[72] ATCHLEY, MICHAEL D., US
[72] HIGH, DONALD R., US
[72] MATTINGLY, TODD D., US
[72] MCHALE, BRIAN G., GB
[72] O'BRIEN, JOHN J., US
[72] SIMON, JOHN F., US
[72] JONES, NATHAN G., US
[72] TAYLOR, ROBERT C., US
[71] WALMART APOLLO, LLC, US
[85] 2019-03-04
[86] 2017-09-08 (PCT/US2017/050671)
[87] (WO2018/057315)
[30] US (62/385,381) 2016-09-09

[21] **3,035,759**
[13] A1

[51] **Int.Cl. A61K 39/12 (2006.01) A61P 31/18 (2006.01)**

[25] EN

[54] **METHODS FOR INDUCING AN IMMUNE RESPONSE AGAINST HUMAN IMMUNODEFICIENCY VIRUS INFECTION IN SUBJECTS UNDERGOING ANTIRETROVIRAL TREATMENT**

[54] **PROCEDES POUR INDUIRE UNE REPNSE IMMUNITAIRE CONTRE UNE INFECTION PAR LE VIRUS DE L'IMMUNODEFICIENCE HUMAINE CHEZ DES SUJETS SUBISSANT UN TRAITEMENT ANTIRETROVIRAL**

[72] TOMAKA, FRANK, US
[72] PAU, MARIA GRAZIA, NL
[72] SCHUITEMAKER, JOHANNA, NL
[72] BAROUCH, DAN, US
[72] ANANWORANICH, JINTANAT, US
[72] ROBB, MERLIN, US
[72] MICHAEL, NELSON L., US
[72] KIM, JEROME, US
[71] JANSSEN VACCINES & PREVENTION B.V., NL
[71] BETH ISRAEL DEACONES MEDICAL CENTER, INC., US
[71] HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, INC., US
[71] THE GOVERNMENT OF THE UNITED STATES, AS REPRESENTED BY THE SECRETARY OF THE ARMY, US
[85] 2019-03-01
[86] 2017-09-01 (PCT/US2017/049817)
[87] (WO2018/045267)
[30] US (62/383,140) 2016-09-02

[21] **3,035,760**
[13] A1

[51] **Int.Cl. C25D 13/16 (2006.01) H01M 4/485 (2010.01) H01M 4/505 (2010.01) H01M 4/525 (2010.01) H01M 4/587 (2010.01) H01M 10/0525 (2010.01) C25D 15/00 (2006.01) H01M 4/04 (2006.01) H01M 4/58 (2010.01) H01M 4/62 (2006.01)**

[25] EN

[54] **METHODS OF COATING AN ELECTRICALLY CONDUCTIVE SUBSTRATE AND RELATED ELECTRODEPOSITABLE COMPOSITIONS INCLUDING GRAPHENIC CARBON PARTICLES**

[54] **PROCEDES DE REVETEMENT D'UN SUBSTRAT ELECTRO-CONDUCTEUR ET COMPOSITIONS APRES A L'ELECTRODEPOSITON CONTENANT DES PARTICULES DE CARBONE GRAPHENIQUE**

[72] DAUGHENBAUGH, RANDY E., US
[72] VANIER, NOEL R., US
[72] HELLRING, STUART D., US
[72] HUNG, CHENG-HUNG, US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2019-03-04
[86] 2017-09-08 (PCT/US2017/050676)
[87] (WO2018/049158)
[30] US (15/259,092) 2016-09-08

[21] **3,035,761**
[13] A1

[51] **Int.Cl. A61B 3/10 (2006.01) A61B 3/00 (2006.01) A61B 3/103 (2006.01) A61B 3/107 (2006.01)**

[25] EN

[54] **OPTICAL MEASUREMENT SYSTEMS AND PROCESSES WITH WAVEFRONT ABERROMETER HAVING VARIABLE FOCAL LENGTH LENS**

[54] **SYSTEMES ET PROCEDES DE MESURE OPTIQUE AVEC ABERROMETRE DE FRONT D'ONDE AYANT UNE LENTILLE DE LONGUEUR FOCALE VARIABLE**

[72] NEAL, DANIEL R., US
[72] COPLAND, RICHARD J., US
[71] AMO WAVEFRONT SCIENCES, LLC, US
[85] 2019-03-04
[86] 2017-09-06 (PCT/US2017/050352)
[87] (WO2018/048955)
[30] US (62/384,090) 2016-09-06

Demandes PCT entrant en phase nationale

[21] **3,035,762**
[13] A1

[51] **Int.Cl. G05D 1/00 (2006.01) G08G 5/00 (2006.01)**
[25] EN
[54] **GEOGRAPHIC AREA MONITORING SYSTEMS AND METHODS THAT BALANCE POWER USAGE BETWEEN MULTIPLE UNMANNED VEHICLES**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE DE ZONE GEOGRAPHIQUE QUI EQUILIBRENT L'UTILISATION DE PUISSANCE ENTRE DE MULTIPLES VEHICULES SANS PILOTE**
[72] CANTRELL, ROBERT L., US
[72] THOMPSON, JOHN P., US
[72] WINKLE, DAVID C., US
[72] ATCHLEY, MICHAEL D., US
[72] HIGH, DONALD R., US
[72] MATTINGLY, TODD D., US
[72] MCHALE, BRIAN G., GB
[72] O'BRIEN, JOHN J., US
[72] SIMON, JOHN F., US
[72] JONES, NATHAN G., US
[72] TAYLOR, ROBERT C., US
[71] WALMART APOLLO, LLC, US
[85] 2019-03-04
[86] 2017-09-08 (PCT/US2017/050664)
[87] (WO2018/049148)
[30] US (62/385,474) 2016-09-09

[21] **3,035,763**
[13] A1

[51] **Int.Cl. G06K 9/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF OTOSCOPY IMAGE ANALYSIS TO DIAGNOSE EAR PATHOLOGY**
[54] **SYSTEME ET PROCEDE D'ANALYSE D'IMAGE D'OTOSCOPIE POUR DIAGNOSTIQUER UNE PATHOLOGIE DE L'OREILLE**
[72] SENARAS, CAGLAR, US
[72] MOBERLY, AARON CHRISTOPHER, US
[72] TENKOS, THEODOROS, US
[72] ESSIG, GARTH FREDRIC, JR., US
[72] ELMARAGHY, CHARLES ALBERT, US
[72] TAJ-SCHAAL, NAZHAT FATIMA, US
[72] YU, LIANBO, US
[72] GURCAN, METIN NAFI, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[85] 2019-03-01
[86] 2017-09-01 (PCT/US2017/049822)
[87] (WO2018/045269)
[30] US (62/382,914) 2016-09-02

[21] **3,035,764**
[13] A1

[51] **Int.Cl. F28D 1/00 (2006.01) F02K 9/64 (2006.01) F28D 7/00 (2006.01) F28D 7/10 (2006.01) F28D 7/16 (2006.01)**
[25] EN
[54] **STRUCTURAL HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR STRUCTUREL**
[72] ADRIANY, KYLE, US
[72] BAYAT, ELYCE, US
[72] PEDERSEN, RYAN, US
[72] TRAN, ANTHONY, US
[71] ADDITIVE ROCKET CORPORATION, US
[85] 2019-03-01
[86] 2017-09-01 (PCT/US2017/049927)
[87] (WO2018/045327)
[30] US (62/382,722) 2016-09-01

[21] **3,035,765**
[13] A1

[51] **Int.Cl. E05F 15/00 (2015.01) H04H 40/00 (2009.01) E05F 15/77 (2015.01) E05F 15/78 (2015.01) E01F 13/04 (2006.01) G05B 19/418 (2006.01) G05D 3/00 (2006.01) G07C 9/00 (2006.01)**
[25] EN
[54] **LOCATION AWARE BARRIER OPERATION**
[54] **ACTIONNEMENT DE BARRIERE SENSIBLE A LA POSITION**
[72] BODURKA, ALEX, US
[72] CATE, CASPARUS, US
[72] KARASEK, MARK L., US
[71] THE CHAMBERLAIN GROUP, INC., US
[85] 2019-03-04
[86] 2017-09-18 (PCT/US2017/052042)
[87] (WO2018/053416)
[30] US (62/396,589) 2016-09-19

[21] **3,035,767**
[13] A1

[51] **Int.Cl. F02C 7/12 (2006.01) F02C 7/16 (2006.01) F02C 7/18 (2006.01)**
[25] EN
[54] **ADDITIVE MANUFACTURED COMBUSTION ENGINE**
[54] **MOTEUR A COMBUSTION PRODUIT PAR IMPRESSION 3D**
[72] ADRIANY, KYLE, US
[72] KIEATIWONG, ANDY, US
[72] TRAN, ANTHONY, US
[72] BAYAT, ELYCE, US
[72] KNIGHT, MICHAEL, US
[72] LOPEZ, NICHOLAS, US
[72] GARRETT, NICHOLAS, US
[72] PEDERSEN, RYAN, US
[71] ADDITIVE ROCKET CORPORATION, US
[85] 2019-03-01
[86] 2017-09-01 (PCT/US2017/049963)
[87] (WO2018/045351)
[30] US (62/382,722) 2016-09-01
[30] US (62/385,123) 2016-09-08
[30] US (62/385,122) 2016-09-08

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[21] **3,035,768**
[13] A1

[51] **Int.Cl. G01M 3/18 (2006.01) G01M 3/24 (2006.01) G01M 3/28 (2006.01) G01M 5/00 (2006.01)**

[25] EN

[54] **ELECTRIC FIELD EXPANSION SYSTEM FOR LOW VOLTAGE CONDUCTIVITY INSPECTION**

[54] **SYSTEME D'EXPANSION DE CHAMP ELECTRIQUE POUR UNE INSPECTION DE CONDUCTIVITE BASSE TENSION**

[72] HANSEN, CHARLES A., US
[72] GRABOWSKI, MARK, US
[72] PETERS, CORY, US
[71] ELECTRO SCAN, INC., US
[85] 2019-03-04
[86] 2017-09-19 (PCT/US2017/052160)
[87] (WO2018/053466)
[30] US (62/396,676) 2016-09-19

[21] **3,035,769**
[13] A1

[51] **Int.Cl. B01J 2/00 (2006.01) A01N 25/12 (2006.01)**

[25] EN

[54] **PARTICULATE COMPOSITIONS AND METHODS OF USE**

[54] **COMPOSITIONS PARTICULAIRES ET PROCEDES D'UTILISATION**

[72] GOERTZ, HARVEY M., US
[71] GOERTZ, HARVEY M., US
[85] 2019-03-01
[86] 2017-09-02 (PCT/US2017/049988)
[87] (WO2018/045365)
[30] US (62/383,325) 2016-09-02

[21] **3,035,770**
[13] A1

[51] **Int.Cl. A61K 38/17 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) C07K 14/47 (2006.01) G01N 33/48 (2006.01)**

[25] EN

[54] **NNIF AND NNIF-RELATED PEPTIDES AND RELATED METHODS**

[54] **NNIF ET PEPTIDES APPARENTES A NNIF ET METHODES ASSOCIEES**

[72] YOST, CHRISTIAN CON, US
[72] ZIMMERMAN, GUY A., US
[72] WEYRICH, ANDREW S., US
[72] SCHIFFMAN, JOSHUA, US
[71] THE UNIVERSITY OF UTAH RESEARCH FOUNDATION, US
[85] 2019-03-01
[86] 2017-09-05 (PCT/US2017/050072)
[87] (WO2018/045371)
[30] US (62/383,243) 2016-09-02
[30] US (62/492,019) 2017-04-28

[21] **3,035,771**
[13] A1

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

[25] EN

[54] **GEOGRAPHIC AREA MONITORING SYSTEMS AND METHODS THROUGH INTERCHANGING TOOL SYSTEMS BETWEEN UNMANNED VEHICLES**

[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE DE ZONE GEOGRAPHIQUE PAR ECHANGE DE SYSTEMES D'OUTILS ENTRE VEHICULES SANS PILOTE**

[72] CANTRELL, ROBERT L., US
[72] THOMPSON, JOHN P., US
[72] WINKLE, DAVID C., US
[72] ATCHLEY, MICHAEL D., US
[72] HIGH, DONALD R., US
[72] MATTINGLY, TODD D., US
[72] MCHALE, BRIAN G., GB
[72] O'BRIEN, JOHN J., US
[72] SIMON, JOHN F., US
[72] JONES, NATHAN G., US
[72] TAYLOR, ROBERT C., US
[71] WALMART APOLLO, LLC, US
[85] 2019-03-04
[86] 2017-09-08 (PCT/US2017/050720)
[87] (WO2018/049186)
[30] US (62/385,390) 2016-09-09

[21] **3,035,772**
[13] A1

[51] **Int.Cl. E02F 3/96 (2006.01) E02F 3/08 (2006.01) E02F 3/14 (2006.01) E02F 3/40 (2006.01) E02F 3/42 (2006.01) A46B 7/00 (2006.01) E01H 1/02 (2006.01)**

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[54] **UTILITY WHISKER BROOM**

[54] **BALAI A BARBES UTILITAIRE**

[72] SLABY, MICHAL, CZ
[72] JELINEK, VACLAV J., US
[72] VOUGHT, MICHAEL L., US
[71] CLARK EQUIPMENT COMPANY, US
[85] 2019-03-01
[86] 2017-09-05 (PCT/US2017/050080)
[87] (WO2018/045375)
[30] US (62/383,095) 2016-09-02
[30] US (62/393,917) 2016-09-13

[21] **3,035,774**
[13] A1

[51] **Int.Cl. A61K 31/573 (2006.01) A61K 9/00 (2006.01)**

[25] EN

[54] **TREATMENT OF RESTENOSIS USING TEMSIROLIMUS**

[54] **TRAITEMENT DE LA RESTENOSE PAR LE TEMSIROLIMUS**

[72] SEWARD, KIRK PATRICK, US
[71] MERCATOR MEDSYSTEMS, INC., US
[85] 2019-03-04
[86] 2017-09-21 (PCT/US2017/052790)
[87] (WO2018/057788)
[30] US (62/398,471) 2016-09-22

[21] **3,035,777**
[13] A1

[51] **Int.Cl. B65G 65/42 (2006.01) B65D 88/12 (2006.01) B65D 88/30 (2006.01) B65D 88/32 (2006.01) B65G 15/08 (2006.01) B65G 47/19 (2006.01)**

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[54] **CONVEYOR SLED ASSEMBLY**

[54] **ENSEMBLE TRAINEAU TRANSPORTEUR**

[72] D'AGOSTINO, MARK JOHN, US
[72] D'AGOSTINO, SCOTT JOSEPH, US
[72] MC EVER, CHAD MICHAEL, US
[72] FISHER, MARC KEVIN, US
[71] PROPPANT EXPRESS SOLUTIONS, LLC, US
[85] 2019-03-04
[86] 2017-09-13 (PCT/US2017/051306)
[87] (WO2018/052961)
[30] US (15/264,352) 2016-09-13

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[21] **3,035,779**
[13] A1

[51] **Int.Cl. C10G 31/08 (2006.01) C10G 17/00 (2006.01) C10G 21/06 (2006.01) C10G 33/00 (2006.01)**

[25] EN

[54] **REMOVING CONTAMINANTS FROM CRUDE OIL**

[54] **ELIMINATION DE CONTAMINANTS DU PETROLE BRUT**

[72] ZHOU, CHENGXIANG, US

[72] WEI, MING, US

[72] ENGLISH, JASON, US

[72] HACKETT, CRAIG, US

[71] BP CORPORATION NORTH AMERICA INC., US

[85] 2019-03-04

[86] 2017-09-13 (PCT/US2017/051340)

[87] (WO2018/057367)

[30] US (62/398,043) 2016-09-22

[21] **3,035,780**
[13] A1

[51] **Int.Cl. A61L 29/04 (2006.01)**

[25] EN

[54] **ENHANCING BOND STRENGTH OF MEDICAL DEVICES**

[54] **AMELIORATION DE LA FORCE DE LIAISON DE DISPOSITIFS MEDICAUX**

[72] ZHANG, JIANBIN, US

[72] HERMEL-DAVIDOCK, THERESA, US

[72] COUGHLIN, EDWARD BRYAN, US

[72] DATASHVILI, TEA, US

[71] BECTON, DICKINSON AND COMPANY, US

[85] 2019-03-04

[86] 2017-09-22 (PCT/US2017/052925)

[87] (WO2018/057867)

[30] US (62/399,740) 2016-09-26

[30] US (15/711,646) 2017-09-21

[21] **3,035,782**
[13] A1

[51] **Int.Cl. A61B 17/12 (2006.01) A61F 9/00 (2006.01) A61M 1/36 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR TREATING AN EYE USING RETROGRADE BLOOD FLOW**

[54] **SYSTEMES ET PROCEDES POUR TRAITER UN ŒIL A L'AIDE D'UN FLUX SANGUIN RETROGRADE**

[72] CALHOUN, MICHAEL, US

[72] FRANCO, JEFF, US

[71] J.D. FRANCO & CO., LLC, US

[85] 2019-03-04

[86] 2017-09-14 (PCT/US2017/051551)

[87] (WO2018/053121)

[30] US (62/395,294) 2016-09-15

[30] US (62/396,091) 2016-09-16

[21] **3,035,783**
[13] A1

[51] **Int.Cl. B65D 75/30 (2006.01) B65D 27/14 (2006.01) B65D 33/18 (2006.01) B65D 33/20 (2006.01) B65D 33/24 (2006.01) B65D 75/54 (2006.01)**

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[54] **RESEALABLE PACKING LIST POUCH**

[54] **POCHE DE LISTE D'EMBALLAGE REFERMABLE**

[72] ZHOU, YONGQUAN, US

[71] FEDERAL EXPRESS CORPORATION, US

[85] 2019-03-01

[86] 2017-08-29 (PCT/US2017/049153)

[87] (WO2018/044910)

[30] US (15/254,937) 2016-09-01

[21] **3,035,784**
[13] A1

[51] **Int.Cl. A23L 2/60 (2006.01) A23L 27/30 (2016.01) A23G 3/00 (2006.01) C07H 1/00 (2006.01) C07H 5/02 (2006.01) C07K 5/075 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR IMPROVING TASTE OF NON-NUTRITIVE SWEETENERS**

[54] **COMPOSITIONS ET PROCEDES D'AMELIORATION DE GOUT D'EDULCORANTS NON NUTRITIFS**

[72] BROWNE, DAMIAN, US

[72] JOHNSON, WINSOME, US

[71] PEPSICO, INC., US

[85] 2019-03-04

[86] 2017-09-14 (PCT/US2017/051570)

[87] (WO2018/053135)

[30] US (62/395,476) 2016-09-16

[21] **3,035,786**
[13] A1

[51] **Int.Cl. C22C 38/12 (2006.01) C21D 8/02 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C23C 2/06 (2006.01) C23C 2/12 (2006.01) C23C 2/40 (2006.01)**

[25] EN

[54] **HIGH STRENGTH AND HIGH FORMABILITY COLD-ROLLED AND HEAT-TREATED STEEL SHEET AND MANUFACTURING METHOD**

[54] **TOLE D'ACIER A HAUTE RESISTANCE ET A HAUTE FORMABILITE TRAITEE THERMIQUEMENT ET LAMINEE A FROID AINSI QUE SON PROCEDE DE FABRICATION**

[72] MAGAR, CORALIE, FR

[72] ZHU, KANGYING, FR

[72] PERLADE, ASTRID, FR

[71] ARCELORMITTAL, LU

[85] 2019-03-04

[86] 2017-09-15 (PCT/EP2017/073337)

[87] (WO2018/054787)

[30] IB (PCT/IB2016/001349) 2016-09-22

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[13] A1

[51] **Int.Cl. F21V 8/00 (2006.01) G02B 27/22 (2018.01)**

[25] EN

[54] **MODE-SELECTABLE BACKLIGHT, METHOD, AND DISPLAY EMPLOYING DIRECTIONAL SCATTERING FEATURES**

[54] **RETROECLAIRAGE A MODE SELECTIONNABLE, PROCEDE ET DISPOSITIF D’AFFICHAGE UTILISANT DES CARACTERISTIQUES DE DIFFUSION DIRECTIONNELLE**

[72] FATTAL, DAVID A., US
[72] MA, MING, US
[72] LI, XUEJIAN, US
[71] LEIA INC., US
[85] 2019-03-04
[86] 2017-09-28 (PCT/US2017/054148)
[87] (WO2018/067381)
[30] US (62/404,751) 2016-10-05

[21] **3,035,788**
[13] A1

[51] **Int.Cl. G02B 21/00 (2006.01) G02B 3/06 (2006.01)**

[25] EN

[54] **TILTED ILLUMINATION SYSTEMS FOR FLUORESCENCE MICROSCOPES**

[54] **SYSTEMES D’ECLAIRAGE INCLINE DESTINES A DES MICROSCOPES A FLUORESCENCE**

[72] MADDOX, PAUL SAMUEL, US
[72] FADERO, TANNER CHRISTIAN, US
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[85] 2019-03-04
[86] 2017-09-11 (PCT/US2017/050914)
[87] (WO2018/049306)
[30] US (62/385,460) 2016-09-09

[21] **3,035,789**
[13] A1

[51] **Int.Cl. G01B 21/08 (2006.01) G01K 7/18 (2006.01) G01K 13/02 (2006.01) G01N 17/00 (2006.01)**

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[54] **DEPOSIT MONITOR**

[54] **MONITEUR DE DEPOT**

[72] CHATTORAJ, MITA, US
[72] MURCIA, MICHAEL J., US
[72] MUKHERJEE, ASEET, US
[71] ECOLAB USA INC., US
[85] 2019-03-04
[86] 2017-09-12 (PCT/US2017/051108)
[87] (WO2018/049377)
[30] US (15/262,807) 2016-09-12

[21] **3,035,790**
[13] A1

[51] **Int.Cl. A47C 13/00 (2006.01) A47C 1/124 (2006.01)**

[25] EN

[54] **EXPANDABLE SEATING FURNITURE**

[54] **MEUBLE D’ASSISE EXTENSIBLE**

[72] CHIRIAC, DANIEL, CA
[71] CHIRIAC, DANIEL, CA
[85] 2019-03-04
[86] 2016-09-08 (PCT/CA2016/051057)
[87] (WO2017/041172)
[30] US (62/215,177) 2015-09-08

[21] **3,035,792**
[13] A1

[51] **Int.Cl. E21B 43/12 (2006.01) F04B 47/02 (2006.01) F04B 53/12 (2006.01) F16J 1/00 (2006.01) F16K 1/00 (2006.01)**

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[54] **DOWNHOLE PUMP WITH CONTROLLED TRAVELING VALVE**

[54] **POMPE DE FOND DE TROU A SOUPEPE DE DEPLACEMENT COMMANDEE**

[72] MICHEL, WILLIAM, FR
[71] VLP LIFT SYSTEMS, LLC, US
[85] 2019-03-04
[86] 2017-09-12 (PCT/US2017/051067)
[87] (WO2018/049364)
[30] US (15/262,313) 2016-09-12

[21] **3,035,793**
[13] A1

[51] **Int.Cl. H04N 7/12 (2006.01) H04H 20/78 (2009.01) H04H 60/96 (2009.01) H04N 21/21 (2011.01) H04Q 11/00 (2006.01)**

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[54] **AN ARRANGEMENT FOR CATV NETWORK SEGMENTATION**

[54] **CONFIGURATION DE SEGMENTATION DE RESEAU CATV**

[72] MAKI, KARI, FI
[72] LEPPANEN, OLLI, FI
[72] FAGERLUND, PERTTU, FI
[71] TELESTE OYJ, FI
[85] 2019-03-04
[86] 2016-09-14 (PCT/FI2016/050638)
[87] (WO2018/050949)

[21] **3,035,795**
[13] A1

[51] **Int.Cl. A61B 5/024 (2006.01) A61B 5/00 (2006.01) A61B 5/11 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR LABELING SLEEP STATES**

[54] **PROCEDES ET SYSTEMES DE MARQUAGE D’ETATS DE SOMMEIL**

[72] HENEGHAN, CONOR JOSEPH, US
[72] ARNOLD, JACOB ANTONY, US
[72] BEATTIE, ZACHARY TODD, US
[72] PANTELOPOULOS, ALEXANDROS A., US
[72] RUSSELL, ALLISON MAYA, US
[72] FOECKLER, PHILIP, US
[72] TUCKER, ADRIENNE MASON, US
[72] LOPEZ, DELISA, US
[72] LAFON, BELEN, US
[72] GHOREYSHI, ATIYEH, US
[71] FITBIT, INC., US
[85] 2019-03-04
[86] 2017-09-06 (PCT/US2017/050344)
[87] (WO2018/048951)
[30] US (62/384,188) 2016-09-06
[30] US (15/438,643) 2017-02-21

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[13] A1

[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **ASPECTS OF NEW RADIO PDCCH DESIGN**
[54] **ASPECTS D'UNE CONCEPTION DE PDCCH DE NOUVELLE RADIO**
[72] SUN, JING, US
[72] CHEN, WANSHI, US
[72] JI, TINGFANG, US
[72] LUO, TAO, US
[72] LEE, HEECHOON, US
[72] XU, HAO, US
[72] GAAL, PETER, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-03-04
[86] 2017-09-29 (PCT/US2017/054463)
[87] (WO2018/064555)
[30] US (62/402,748) 2016-09-30
[30] US (15/718,914) 2017-09-28

[21] **3,035,799**
[13] A1

[51] **Int.Cl. F21V 8/00 (2006.01) G02B 27/22 (2018.01) G02B 27/42 (2006.01)**
[25] EN
[54] **TRANSPARENT DISPLAY AND METHOD**
[54] **ECRAN D'AFFICHAGE TRANSPARENT ET PROCEDE**
[72] FATTAL, DAVID A., US
[71] LEIA INC., US
[85] 2019-03-04
[86] 2017-10-04 (PCT/US2017/055178)
[87] (WO2018/067725)
[30] US (62/404,747) 2016-10-05

[21] **3,035,801**
[13] A1

[51] **Int.Cl. F21V 8/00 (2006.01) G02F 1/1335 (2006.01)**
[25] EN
[54] **POLARIZED BACKLIGHT AND BACKLIT DISPLAY USING THE SAME**
[54] **RETROECLAIRAGE POLARISE ET DISPOSITIF D'AFFICHAGE RETRO-ECLAIRE L'UTILISANT**
[72] FATTAL, DAVID A., US
[72] MA, MING, US
[72] LI, XUEJIAN, US
[71] LEIA INC., US
[85] 2019-03-04
[86] 2017-10-04 (PCT/US2017/055212)
[87] (WO2018/067752)
[30] US (62/404,750) 2016-10-05

[21] **3,035,802**
[13] A1

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[25] EN
[54] **METHOD FOR COOLING THE ROTOR OF AN ELECTRIC GENERATOR**
[54] **PROCEDE DE REFROIDISSEMENT DU ROTOR D'UN GENERATEUR ELECTRIQUE**
[72] NEUMAYER, FRITZ, AT
[72] CONTRERAS ESPADA, JESUS, CH
[71] ANDRITZ HYDRO GMBH, AT
[85] 2019-03-05
[86] 2017-08-10 (PCT/EP2017/070273)
[87] (WO2018/046219)
[30] AT (A50788/2016) 2016-09-06

[21] **3,035,803**
[13] A1

[51] **Int.Cl. A61L 27/44 (2006.01) C01F 11/18 (2006.01) C08J 3/12 (2006.01) C08J 3/20 (2006.01) C08L 67/02 (2006.01) C08L 67/04 (2006.01) C09C 1/00 (2006.01) C09C 1/02 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING AN IMPLANT USING A CALCIUM CARBONATE-CONTAINING COMPOSITE POWDER COMPRISING MICROSTRUCTURED PARTICLES**
[54] **PROCEDE DE FABRICATION D'UN IMPLANT AU MOYEN D'UNE POUDRE COMPOSITE A PARTICULES MICROSTRUCTUREES CONTENANT DU CARBONATE DE CALCIUM**
[72] REINAUER, FRANK, DE
[72] LUGER, SIEGMUND, DE
[72] VUCAK, MARIJAN, DE
[71] KARL LEIBINGER MEDIZINTECHNIK GMBH & CO. KG, DE
[85] 2019-03-05
[86] 2017-08-17 (PCT/EP2017/070827)
[87] (WO2018/046269)
[30] EP (16187904.4) 2016-09-08

[21] **3,035,805**
[13] A1

[51] **Int.Cl. G08B 13/19 (2006.01) G08B 19/00 (2006.01)**
[25] EN
[54] **MONITORING DEVICE**
[54] **DISPOSITIF DE SURVEILLANCE**
[72] MYSELL, ROBIN MARCUS, AU
[71] ATF SERVICES PTY LTD, AU
[85] 2019-03-01
[86] 2017-09-08 (PCT/AU2017/050987)
[87] (WO2018/045434)
[30] AU (2016903638) 2016-09-09

[21] **3,035,806**
[13] A1

[51] **Int.Cl. A61K 38/43 (2006.01) A61K 38/44 (2006.01) A61K 39/39 (2006.01) A61P 35/04 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **LYSINE SPECIFIC HISTONE DEMETHYLASE-1 INHIBITORS AND USES THEREFOR**
[54] **INHIBITEURS DE L'HISTONE DEMETHYLASE-1 SPECIFIQUES DE LA LYSINE ET LEURS UTILISATIONS**
[72] RAO, SUDHA, AU
[72] MILBURN, PETER, AU
[71] UNIVERSITY OF CANBERRA, AU
[85] 2019-03-05
[86] 2017-09-07 (PCT/AU2017/050969)
[87] (WO2018/045422)
[30] AU (2016903602) 2016-09-07

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[13] A1

[51] **Int.Cl. A61K 38/18 (2006.01) A61K 38/20 (2006.01) A61K 51/08 (2006.01) A61P 25/02 (2006.01)**
[25] EN
[54] **IRRADIATION TREATMENT OF NEUROLOGICAL SENSATIONS BY PHOTOABLATION**
[54] **TRAITEMENT D'IRRADIATION DE SENSATIONS NEUROLOGIQUES PAR PHOTOABLATION**
[72] HEPPENSTALL, PAUL, IT
[72] DHANDAPANI, RAHUL, IN
[72] PORTULANO, CARLA, IT
[71] EUROPEAN MOLECULAR BIOLOGY LABORATORY, DE
[85] 2019-03-01
[86] 2017-09-01 (PCT/EP2017/072014)
[87] (WO2018/042018)
[30] EP (16187087.8) 2016-09-02
[30] EP (17178123.0) 2017-06-27

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[21] **3,035,808**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01) C12N 15/09 (2006.01)**
[25] EN
[54] **METHODS OF DETECTING LENTIVIRUS**
[54] **METHODES DE DETECTION DE LENTIVIRUS**
[72] SUZUKI, KAZUO, AU
[71] ST VINCENT'S HOSPITAL SYDNEY LIMITED, AU
[85] 2019-03-05
[86] 2017-09-07 (PCT/AU2017/050974)
[87] (WO2018/045425)
[30] AU (2016903599) 2016-09-07

[21] **3,035,809**
[13] A1

[51] **Int.Cl. A61F 5/14 (2006.01) A43B 7/14 (2006.01)**
[25] EN
[54] **AN ORTHOTIC PRODUCT**
[54] **PRODUIT ORTHETIQUE**
[72] EVERSON, DAN, AU
[71] KINETIC ORTHOTICS PTY LTD, AU
[85] 2019-03-05
[86] 2017-09-06 (PCT/AU2017/000187)
[87] (WO2018/045411)
[30] AU (2016903571) 2016-09-06

[21] **3,035,810**
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) C12N 5/074 (2010.01) C07H 21/02 (2006.01) C12N 15/63 (2006.01) C12N 15/86 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **DETECTION OF GENE LOCI WITH CRISPR ARRAYED REPEATS AND/OR POLYCHROMATIC SINGLE GUIDE RIBONUCLEIC ACIDS**
[54] **DETECTION DE LOCI DE GENES COMPRENANT DES REPETITIONS MATRICIELLES DE CRISPR ET/OU DES ACIDES RIBONUCLEIQUES MONO-GUIDES POLYCHROMATIQUES**

[72] PEDERSON, THORU, US
[72] MA, HANHUI, US
[72] LI-CHUNG, TU, US
[72] NASERI, ARDALAN, US
[72] XU, ZUOSHANG, US
[72] HUISMAN, MAXIMILAAN, US
[72] YANG, CHUNXING, US
[72] ZHANG, SHAOJIE, US
[71] UNIVERSITY OF MASSACHUSETTS, US
[85] 2019-03-01
[86] 2016-09-01 (PCT/US2016/049945)
[87] (WO2017/040813)
[30] US (62/213,351) 2015-09-02
[30] US (62/276,568) 2016-01-08
[30] US (62/277,216) 2016-01-11

[21] **3,035,811**
[13] A1

[51] **Int.Cl. F16P 1/00 (2006.01) B60J 1/00 (2006.01) E02F 9/00 (2006.01)**
[25] EN
[54] **MULTI-LAYER PROTECTIVE WINDOW SYSTEM FOR NON-MILITARY HEAVY EQUIPMENT AND METHOD FOR FABRICATING SAME**
[54] **SYSTEME DE FENETRE DE PROTECTION MULTICOUCHE POUR EQUIPEMENT LOURD NON MILITAIRE ET SON PROCEDE DE FABRICATION**
[72] COOPER, JONATHAN CRAIG, CA
[71] TIGERCAT INDUSTRIES INC., CA
[85] 2019-03-05
[86] 2017-10-12 (PCT/CA2017/051212)
[87] (WO2018/068141)
[30] US (62/407,220) 2016-10-12

[21] **3,035,812**
[13] A1

[51] **Int.Cl. C07D 311/78 (2006.01) B01J 8/02 (2006.01) C07C 39/17 (2006.01) C07D 311/80 (2006.01)**
[25] EN
[54] **WATERLESS DECARBOXYLATION**
[54] **DECARBOXYLATION SANS EAU**
[72] LINDSAY, SHANEL A., US
[71] ARDENT LLC, US
[85] 2019-03-01
[86] 2016-09-01 (PCT/US2016/049974)
[87] (WO2017/040836)
[30] US (62/213,968) 2015-09-03

[21] **3,035,814**
[13] A1

[51] **Int.Cl. A61K 35/52 (2015.01) A61P 31/12 (2006.01)**
[25] EN
[54] **TOPICAL ANTIVIRAL COMPOSITIONS**
[54] **COMPOSITIONS ANTIVIRALES TOPIQUES**
[72] KONOWALCHUK, THOMAS W., US
[71] TOPICAL REMEDY, LLC, US
[85] 2019-03-01
[86] 2016-09-01 (PCT/US2016/049982)
[87] (WO2017/040844)
[30] US (62/214,038) 2015-09-03

[21] **3,035,815**
[13] A1

[51] **Int.Cl. E21B 17/01 (2006.01) E21B 17/10 (2006.01) F16L 57/06 (2006.01)**
[25] EN
[54] **MARINE INSTALLATION**
[54] **INSTALLATION EN MER**
[72] KRISTOFFERSEN, STEINAR, NO
[71] EQUINOR ENERGY AS, NO
[85] 2019-03-01
[86] 2017-07-05 (PCT/NO2017/050183)
[87] (WO2018/044174)
[30] GB (1614811.6) 2016-09-01

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[21] **3,035,818**
[13] A1

[51] **Int.Cl. H01J 49/00 (2006.01) H01J 49/06 (2006.01)**
[25] EN
[54] **A DEVICE TO MANIPULATE IONS OF SAME OR DIFFERENT POLARITIES**
[54] **DISPOSITIF DE MANIPULATION D'IONS DE POLARITES IDENTIQUES OU DIFFERENTES**
[72] IBRAHIM, YEHIA M., US
[72] SMITH, RICHARD D., US
[71] BATTELLE MEMORIAL INSTITUTE, US
[85] 2019-03-01
[86] 2017-06-28 (PCT/US2017/039770)
[87] (WO2018/048494)
[30] US (15/260,046) 2016-09-08

[21] **3,035,820**
[13] A1

[51] **Int.Cl. B66C 23/78 (2006.01) B65D 19/22 (2006.01) B65D 19/38 (2006.01) B66B 23/00 (2006.01) B66C 6/00 (2006.01) B66C 23/72 (2006.01)**
[25] EN
[54] **SECUREMENT FOR CRAWLER CRANES AND SYSTEM AND METHOD FOR USE OF SAME**
[54] **FIXATION DESTINEE A DES GRUES A CHENILLES ET SYSTEME ET PROCEDE D'UTILISATION DE CELLE-CI**
[72] WIETHORN, JIM, US
[71] WIETHORN, JIM, US
[85] 2019-03-01
[86] 2017-05-12 (PCT/US2017/032471)
[87] (WO2017/197302)
[30] US (62/335,577) 2016-05-12

[21] **3,035,821**
[13] A1

[51] **Int.Cl. B29C 64/209 (2017.01) B29C 64/227 (2017.01) B29C 64/25 (2017.01) B29C 64/30 (2017.01)**
[25] EN
[54] **ADDITIVE MANUFACTURING SYSTEM HAVING VIBRATING NOZZLE**
[54] **SYSTEME DE FABRICATION ADDITIVE COMPRENANT UNE BUSE VIBRANTE**
[72] TYLER, KENNETH LYLE, US
[72] BUDGE, TREVOR, US
[71] CC3D LLC, US
[85] 2019-03-01
[86] 2017-08-10 (PCT/US2017/046316)
[87] (WO2018/084908)
[30] US (62/417,709) 2016-11-04
[30] US (15/618,066) 2017-06-08

[21] **3,035,822**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/485 (2006.01) A61P 25/04 (2006.01)**
[25] EN
[54] **TRANSDERMAL DRUG DELIVERY DEVICE FOR DELIVERING OPIOIDS**
[54] **DISPOSITIF D'ADMINISTRATION TRANSDERMIQUE DE MEDICAMENT POUR ADMINISTRER DES OPIOIDES**
[72] STILES, PETE A., US
[72] HOOTEN, W. MICHAEL, US
[72] SULLIVAN, MARK DANIEL, US
[72] RUANE, PATRICK H., US
[72] MATLY, DAVID J., US
[72] KAUR, NAVDEEP, US
[72] ARORA, ANUBHAV, US
[72] PAMNANI, RAVINDER D., US
[71] CHRONO THERAPEUTICS INC., US
[85] 2019-03-01
[86] 2017-09-28 (PCT/US2017/054093)
[87] (WO2018/064377)
[30] US (62/401,043) 2016-09-28

[21] **3,035,823**
[13] A1

[51] **Int.Cl. H04L 29/06 (2006.01) H04L 29/08 (2006.01) H04L 29/12 (2006.01)**
[25] EN
[54] **MALWARE DETECTION FOR PROXY SERVER NETWORKS**
[54] **DETECTION DE LOGICIEL MALVEILLANT POUR RESEAUX DE SERVEURS MANDATAIRES**
[72] MARTINI, PAUL MICHAEL, US
[71] IBOSS, INC., US
[85] 2019-03-01
[86] 2017-09-01 (PCT/US2017/049949)
[87] (WO2018/045338)
[30] US (15/256,418) 2016-09-02

[21] **3,035,825**
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **LOW PROFILE HEART VALVE AND DELIVERY SYSTEM**
[54] **VALVULE CARDIAQUE A PROFIL BAS ET SYSTEME DE POSE**
[72] LI, TIANZHU, CN
[72] MA, JIANXIANG, CN
[72] MENG, LEI, CN
[71] SINO MEDICAL SCIENCES TECHNOLOGY INC., CN
[85] 2019-03-05
[86] 2017-12-04 (PCT/CN2017/114381)
[87] (WO2018/099484)
[30] US (62/429,680) 2016-12-02

[21] **3,035,826**
[13] A1

[51] **Int.Cl. E04C 1/40 (2006.01) E04C 3/29 (2006.01)**
[25] FR
[54] **METHOD FOR ASSEMBLING BUILDING ELEMENTS AND BUILDING THUS PRODUCED**
[54] **PROCEDE D'ASSEMBLAGE D'ELEMENTS DE CONSTRUCTION ET CONSTRUCTION AINSI REALISEE**
[72] VAN WILLIGEN, WILLEM ARNOLD, FR
[71] VAN WILLIGEN, WILLEM ARNOLD, FR
[85] 2019-03-04
[86] 2017-08-28 (PCT/FR2017/052285)
[87] (WO2018/046819)
[30] FR (1601314) 2016-09-06

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[21] **3,035,827**
[13] A1

[51] **Int.Cl. H01H 3/20 (2006.01) A47L 9/16 (2006.01) A47L 9/28 (2006.01) A47L 11/20 (2006.01) A47L 11/40 (2006.01) H01H 9/26 (2006.01) H01H 13/12 (2006.01) H01H 13/14 (2006.01) H01H 13/68 (2006.01) H01H 13/72 (2006.01) H01H 25/04 (2006.01)**

[25] EN

[54] **MULTIFUNCTION SWITCH FOR USE WITH CLEANING DEVICE AND/OR OTHER POWERED DEVICES**

[54] **COMMUTATEUR MULTIFONCTION DESTINE A ETRE UTILISE AVEC UN DISPOSITIF DE NETTOYAGE ET/OU D'AUTRES DISPOSITIFS SOUS TENSION**

[72] COTTRELL, LEE, US

[71] SHARKNINJA OPERATING LLC, US

[85] 2019-03-01

[86] 2017-09-05 (PCT/US2017/050095)

[87] (WO2018/045380)

[30] US (62/383,087) 2016-09-02

[21] **3,035,828**
[13] A1

[51] **Int.Cl. A47L 9/00 (2006.01) A47L 7/00 (2006.01) A47L 9/24 (2006.01)**

[25] EN

[54] **A HOSE CLIP ARRANGEMENT FOR USE WITH CLEANING DEVICE AND/OR OTHER DEVICES**

[54] **AGENCEMENT D'ATTACHE DE TUYAU DESTINE A ETRE UTILISE AVEC UN DISPOSITIF DE NETTOYAGE ET/OU D'AUTRES DISPOSITIFS**

[72] COTTRELL, LEE, US

[72] SU, MINGSHUN, CN

[71] SHARKNINJA OPERATING LLC, US

[85] 2019-03-01

[86] 2017-09-05 (PCT/US2017/050096)

[87] (WO2018/045381)

[30] US (62/383,075) 2016-09-02

[21] **3,035,829**
[13] A1

[51] **Int.Cl. C12M 1/00 (2006.01) C12M 3/06 (2006.01)**

[25] EN

[54] **PERFUSION BIOREACTOR BAG ASSEMBLIES**

[54] **ENSEMBLES DE POCHE DE BIOREACTEUR DE PERFUSION**

[72] BEAUCHESNE, PASCAL, US

[72] VALBURG, CHRIS DUNCAN, US

[71] JUNO THERAPEUTICS, INC., US

[85] 2019-03-01

[86] 2017-09-12 (PCT/US2017/051228)

[87] (WO2018/049420)

[30] US (62/393,583) 2016-09-12

[21] **3,035,830**
[13] A1

[51] **Int.Cl. A61K 38/39 (2006.01) A61K 9/10 (2006.01) A61K 38/22 (2006.01) A61K 47/10 (2017.01) A61K 47/14 (2017.01) A61K 47/18 (2017.01) A61K 47/36 (2006.01) A61P 17/02 (2006.01)**

[25] EN

[54] **TOPICAL ERYTHROPOIETIN FORMULATIONS AND METHODS FOR IMPROVING WOUND HEALING WITH AND COSMETIC USE OF THE FORMULATIONS**

[54] **FORMULATIONS TOPIQUES D'ERYTHROPOIETINE ET PROCEDES D'AMELIORATION DE LA CICATRISATION DE PLAIES AVEC CES FORMULATIONS ET UTILISATION COSMETIQUE DE CELLES-CI**

[72] HAMED, SAHER, IL

[71] REMEDOR BIOMED LTD., IL

[85] 2019-03-04

[86] 2016-09-01 (PCT/IB2016/055247)

[87] (WO2017/037655)

[30] US (62/214,618) 2015-09-04

[21] **3,035,831**
[13] A1

[51] **Int.Cl. E21B 43/26 (2006.01) C09K 8/62 (2006.01) C09K 8/80 (2006.01) E21B 43/267 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR DISTRIBUTION OF A PROPPANT**

[54] **PROCEDE ET SYSTEME DE DISTRIBUTION D'AGENT DE SOUTÈNEMENT**

[72] MARTYSEVICH, VLADIMIR NIKOLAYEVICH, US

[72] NGUYEN, PHILIP D., US

[72] SHAHRI, MEHDI A., US

[72] OGLE, JAMES W., US

[72] DUSTERHOFT, RONALD GLEN, US

[72] HAMPTON, JESSE CLAY, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2019-03-04

[86] 2016-11-10 (PCT/US2016/061398)

[87] (WO2018/089009)

[21] **3,035,832**
[13] A1

[51] **Int.Cl. A61K 31/00 (2006.01) A61K 31/137 (2006.01) A61K 31/5375 (2006.01) A61P 25/08 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR TREATING SEIZURE DISORDERS**

[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE TROUBLES EPILEPTIQUES**

[72] MARTIN, PARTHENA, US

[72] BOYD, BROOKS M., US

[72] GAMMAITONI, ARNOLD, US

[72] GALER, BRADLEY S., US

[72] FARFEL, GAIL, US

[71] ZOGENIX INTERNATIONAL LIMITED, GB

[85] 2019-03-04

[86] 2017-09-29 (PCT/GB2017/052934)

[87] (WO2018/060732)

[30] US (62/402,881) 2016-09-30

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[21] **3,035,833**
[13] A1

[51] **Int.Cl. G06F 21/10 (2013.01) G06K 19/077 (2006.01) G07G 1/00 (2006.01) H04L 12/28 (2006.01)**

[25] FR

[54] **DEVICE FOR ASSOCIATING AT LEAST ONE PHYSICAL SUPPORT WITH A MEANS FOR STORING DIGITAL DATA**

[54] **DISPOSITIF D'ASSOCIATION D'AU MOINS UN SUPPORT PHYSIQUE AVEC UN MOYEN DE STOCKAGE DE DONNEES NUMERIQUES**

[72] COUSSONNET, LAURENT, FR

[72] RANC, EMMANUEL, FR

[71] REVIVE SAS, FR

[85] 2019-03-04

[86] 2017-09-04 (PCT/FR2017/052337)

[87] (WO2018/046829)

[30] FR (1601327) 2016-09-08

[21] **3,035,836**
[13] A1

[51] **Int.Cl. A61F 13/00 (2006.01) A61F 13/02 (2006.01) A61F 13/84 (2006.01)**

[25] EN

[54] **INDICATOR DRESSING AND METHOD FOR INDICATING A CONTAMINATION, IN PARTICULAR OF A WOUND**

[54] **ELEMENT INDICATEUR A APPLIQUER ET PROCEDE POUR INDIQUER LE NIVEAU DE PROLIFERATION DES GERMES, NOTAMMENT DANS UNE PLAIE**

[72] GERDES, GERD, CH

[72] WEBER, JEREMIE, AT

[72] PREYSCH, MARC, CH

[71] SEFAR AG, CH

[85] 2019-03-05

[86] 2017-08-17 (PCT/EP2017/070835)

[87] (WO2018/046270)

[30] EP (16187791.5) 2016-09-08

[21] **3,035,838**
[13] A1

[51] **Int.Cl. H05K 7/20 (2006.01) F24F 13/02 (2006.01)**

[25] EN

[54] **COOLING SYSTEMS FOR DEVICES ARRANGED IN ROWS**

[54] **SYSTEMES DE REFROIDISSEMENT POUR DES DISPOSITIFS AGENCES EN RANGEES**

[72] SLOAN, PHILIP, US

[72] KAUFMANN, NICHOLAS L., US

[72] GEBKE, KEVIN J., US

[72] HEIM, FRANK, US

[71] RITE-HITE HOLDING CORPORATION, US

[85] 2019-03-04

[86] 2017-09-05 (PCT/US2017/050092)

[87] (WO2018/048804)

[30] US (15/261,280) 2016-09-09

[21] **3,035,834**
[13] A1

[51] **Int.Cl. E21B 33/13 (2006.01) E21B 33/134 (2006.01)**

[25] EN

[54] **TOP-DOWN SQUEEZE SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE DE COMPRESSION DE HAUT EN BAS**

[72] STROHLA, NICHOLAS LEE, US

[72] GRAY, MATTHEW RYAN, US

[72] MOELLER, DANIEL KEITH, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2019-03-04

[86] 2016-11-15 (PCT/US2016/061988)

[87] (WO2018/093347)

[21] **3,035,837**
[13] A1

[51] **Int.Cl. A21B 1/26 (2006.01) A21B 1/48 (2006.01)**

[25] FR

[54] **COOKING MODULE FOR A LINEAR TUNNEL OVEN FOR BAKERY PRODUCTS, PASTRIES AND THE LIKE, AND LINEAR TUNNEL OVEN COMPRISING AT LEAST ONE SUCH MODULE**

[54] **MODULE DE CUISSON DE FOUR TUNNEL LINEAIRE POUR PRODUITS DE BOULANGERIE, VIENNOISERIE ET SIMILAIRES ET FOUR TUNNEL LINEAIRE COMPORTANT AU MOINS UN TEL MODULE**

[72] SERGENT, OLIVIER, FR

[71] MECATHERM, FR

[85] 2019-03-04

[86] 2017-09-14 (PCT/FR2017/052459)

[87] (WO2018/051027)

[30] FR (1658550) 2016-09-14

[21] **3,035,839**
[13] A1

[51] **Int.Cl. C07K 14/435 (2006.01) D01D 5/00 (2006.01) D01F 4/00 (2006.01)**

[25] EN

[54] **LONG UNIFORM RECOMBINANT PROTEIN FIBERS**

[54] **FIBRES DE PROTEINES RECOMBINANTES UNIFORMES LONGUES**

[72] WRAY, LINDSAY, US

[72] PERELMAN, LOREN, US

[72] KITTLESON, JOSHUA, US

[72] BRESLAUER, DAVID, US

[71] BOLT THREADS, INC., US

[85] 2019-03-04

[86] 2017-09-14 (PCT/US2017/051668)

[87] (WO2018/053204)

[30] US (62/394,683) 2016-09-14

[21] **3,035,835**
[13] A1

[51] **Int.Cl. A61K 9/127 (2006.01) A61K 47/69 (2017.01) A61K 31/7068 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **CYTOTOXIC PARTICLES**

[54] **PARTICULES CYTOTOXIQUES**

[72] BARDEN, JULIAN ALEXANDER, AU

[72] GONG, XIAOJUAN, AU

[72] MOGHADDAM, MINOO J., AU

[71] BIOSCEPTRE (UK) LIMITED, GB

[85] 2019-03-04

[86] 2017-08-18 (PCT/AU2017/050885)

[87] (WO2018/071959)

[30] AU (2016904292) 2016-10-21

[21] **3,035,840**
[13] A1

[51] **Int.Cl. A61B 17/56 (2006.01) A61B 17/04 (2006.01)**

[25] EN

[54] **ORTHOPAEDIC BONE ANCHOR AND SUSPENSION DEVICE**

[54] **DISPOSITIF D'ANCRAGE ET DE SUSPENSION OSSEUX ORTHOPEDIQUE**

[72] SCHULZ, CHRISTOPH, DE

[71] SCHULZ, CHRISTOPH, DE

[85] 2019-03-05

[86] 2017-09-11 (PCT/EP2017/072722)

[87] (WO2018/050589)

[30] DE (10 2016 117 490.4) 2016-09-16

[21] **3,035,840**
[13] A1

[51] **Int.Cl. A61B 17/56 (2006.01) A61B 17/04 (2006.01)**

[25] EN

[54] **ORTHOPAEDIC BONE ANCHOR AND SUSPENSION DEVICE**

[54] **DISPOSITIF D'ANCRAGE ET DE SUSPENSION OSSEUX ORTHOPEDIQUE**

[72] SCHULZ, CHRISTOPH, DE

[71] SCHULZ, CHRISTOPH, DE

[85] 2019-03-05

[86] 2017-09-11 (PCT/EP2017/072722)

[87] (WO2018/050589)

[30] DE (10 2016 117 490.4) 2016-09-16

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[21] **3,035,841**
[13] A1

[51] **Int.Cl. A23L 2/02 (2006.01) A23L 2/78 (2006.01)**
[25] EN
[54] **DEACIDIFIED CRANBERRY JUICE AND METHOD FOR THE PRODUCTION THEREOF**
[54] **JUS DE CANNEBERGE DESACIDIFIE ET PROCEDE DE PREPARATION DE CE DERNIER**
[72] REYNAUD, ERIC, LU
[72] DUVAL, CHARLES, FR
[72] BAUDOIN, STANISLAS, FR
[72] MEURISSE, JACQUES, FR
[71] WEST INVEST S.A., LU
[85] 2019-03-01
[86] 2017-09-19 (PCT/EP2017/073641)
[87] (WO2018/054904)
[30] FR (16/58802) 2016-09-20

[21] **3,035,842**
[13] A1

[51] **Int.Cl. B62D 1/00 (2006.01) B62D 5/04 (2006.01) G05D 1/02 (2006.01)**
[25] EN
[54] **AN ACTUATOR FOR TURNING A STEERING WHEEL IN AUTOMATIC STEERING SYSTEMS**
[54] **ACTIONNEUR PERMETTANT DE TOURNER UN VOLANT DE DIRECTION DANS DES SYSTEMES DE DIRECTION AUTOMATIQUE**
[72] JOUGHIN, ALAN ROBERT, US
[71] AGJUNCTION LLC, US
[85] 2019-03-04
[86] 2017-10-16 (PCT/US2017/056770)
[87] (WO2018/075397)
[30] US (62/409,210) 2016-10-17

[21] **3,035,843**
[13] A1

[51] **Int.Cl. F03D 17/00 (2016.01)**
[25] EN
[54] **METHOD AND DEVICE FOR DETERMINING LOADS ON A WIND TURBINE TOWER**
[54] **PROCEDE ET DISPOSITIF POUR DETERMINER DES SOLLICITATIONS EXERCEES SUR UN MAT D'EOLIENNE**
[72] MULLER, MATHIAS, DE
[72] SIEVERS, CHRISTIAN, DE
[72] SCHAUSS, THOMAS, DE
[71] FOS4X GMBH, DE
[85] 2019-03-05
[86] 2017-09-11 (PCT/EP2017/072751)
[87] (WO2018/050596)
[30] DE (10 2016 117 191.3) 2016-09-13

[21] **3,035,844**
[13] A1

[51] **Int.Cl. E05B 63/08 (2006.01)**
[25] EN
[54] **MULTIFUNCTION HUB CORE FOR MORTISE LOCK AND METHOD OF ASSEMBLY**
[54] **NOYAU DE MOYEU MULTIFONCTION POUR SERRURE A MORTAISER ET PROCEDE D'ASSEMBLAGE**
[72] GUMA, JARRETT, US
[72] PALMIERI, ERIC, US
[71] CORBIN RUSSWIN, INC., US
[85] 2019-03-04
[86] 2017-10-20 (PCT/US2017/057578)
[87] (WO2018/075883)
[30] US (62/411,098) 2016-10-21
[30] US (15/787,872) 2017-10-19

[21] **3,035,845**
[13] A1

[51] **Int.Cl. A24D 1/02 (2006.01) A24D 3/02 (2006.01) A24D 3/06 (2006.01)**
[25] EN
[54] **SMOKING ARTICLE WITH LIQUID-FILLED DIRECTIONAL CAPSULE**
[54] **ARTICLE A FUMER AVEC CAPSULE DIRECTIONNELLE REMPLIE DE LIQUIDE**
[72] KIDO, YUICHIRO, JP
[72] FUJITA, NORITOSHI, JP
[72] ONO, HIROYOSHI, LU
[71] JT INTERNATIONAL SA, CH
[85] 2019-03-05
[86] 2017-10-30 (PCT/EP2017/077819)
[87] (WO2018/078169)
[30] EP (16196644.5) 2016-10-31

[21] **3,035,846**
[13] A1

[51] **Int.Cl. E21B 47/12 (2012.01)**
[25] EN
[54] **DOWNHOLE COMPLETION SYSTEM**
[54] **SYSTEME DE COMPLETION DE FOND DE TROU**
[72] VASQUES, RICARDO REVES, DK
[71] WELLTEC OILFIELD SOLUTIONS AG, CH
[85] 2019-03-05
[86] 2017-09-29 (PCT/EP2017/074762)
[87] (WO2018/060416)
[30] EP (16191998.0) 2016-09-30
[30] EP (16193459.1) 2016-10-12

[21] **3,035,847**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **METHOD FOR DETECTING BACTERIA**
[54] **PROCEDE DE DETECTION DE BACTERIES**
[72] MOCK, GRAHAM, GB
[71] GFC DIAGNOSTICS LTD., GB
[85] 2019-03-05
[86] 2017-09-11 (PCT/EP2017/072785)
[87] (WO2018/046741)
[30] GB (1615466.8) 2016-09-12

[21] **3,035,848**
[13] A1

[51] **Int.Cl. H04L 9/32 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **CONTROLLED, SECURE EXCHANGE OF PRIVACY SENSITIVE DATA UNITS**
[54] **ECHANGE SECURISE ET SURVEILLE D'UNITES DE SENSIBLE**
[72] BERKVENS-MATTHIJSSE, SVEN, NL
[71] ZD EXPLOITATIE B.V., NL
[85] 2019-03-01
[86] 2016-11-11 (PCT/NL2016/050787)
[87] (WO2017/082731)
[30] NL (2015772) 2015-11-11

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[21] **3,035,849**
[13] A1

[51] **Int.Cl. F17C 5/04 (2006.01)**
[25] EN
[54] **FACILITY, METHOD FOR STORING AND LIQUEFYING A LIQUEFIED GAS AND ASSOCIATED TRANSPORT VEHICLE**

[54] **INSTALLATION, PROCEDE POUR STOCKER ET RELIQUEFIER UN GAZ LIQUEFIE ET VEHICULE DE TRANSPORT ASSOCIE**

[72] BERNHARDT, JEAN-MARC, FR
[72] DURAND, FABIEN, FR
[72] GONDRAND, CECILE, FR
[72] GRABIE, VERONIQUE, FR
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR

[85] 2019-03-05
[86] 2017-07-19 (PCT/FR2017/051964)
[87] (WO2018/046809)
[30] FR (1658258) 2016-09-06

[21] **3,035,850**
[13] A1

[51] **Int.Cl. A61K 38/28 (2006.01) A61P 3/10 (2006.01) C07K 14/62 (2006.01)**
[25] EN
[54] **PROINSULIN DERIVATIVES**
[54] **DERIVES DE PRO-INSULINE**

[72] GATOS, DIMITRIOS, GR
[72] ANASTASIOU, ALEXANDRA, GR
[72] BARLOS, KLEOMENIS, GR
[71] CHEMICAL & BIOPHARMACEUTICAL LABORATORIES OF PATRAS S.A., GR

[85] 2019-03-05
[86] 2017-09-05 (PCT/IB2017/055336)
[87] (WO2018/047062)
[30] GR (20160100458) 2016-09-06

[21] **3,035,851**
[13] A1

[51] **Int.Cl. E03F 5/02 (2006.01) E03F 3/04 (2006.01) F16L 41/03 (2006.01)**
[25] EN
[54] **AN ARRANGEMENT FOR A SEWERAGE SYSTEM COMPRISING A FRENCH DRAIN**

[54] **AGENCEMENT POUR UN RESEAU D'EGOUT COMPRENANT UN DRAIN A PIERRES SECHES**

[72] KINNUNEN, PETTERI, FI
[71] HYBRID SYSTEM OU, EE

[85] 2019-03-05
[86] 2017-08-29 (PCT/EP2017/071623)
[87] (WO2018/046348)
[30] FI (20165660) 2016-09-06

[21] **3,035,852**
[13] A1

[51] **Int.Cl. A61K 31/5377 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **AN OXAZINE DERIVATIVE FOR USE IN THE TREATMENT OR PREVENTION OF CEREBRAL AMYLOID ANGIOPATHY**

[54] **DERIVE D'OXAZINE POUR UTILISATION DANS LE TRAITEMENT OU LA PREVENTION DE L'ANGIOPATHIE AMYLOIDE CEREBRALE**

[72] LOPEZ-LOPEZ, CRISTINA, CH
[72] NEUMANN, ULF, CH
[72] SHIMSHEK, DERYA, CH
[71] NOVARTIS AG, CH

[85] 2019-03-05
[86] 2017-10-11 (PCT/IB2017/056281)
[87] (WO2018/069843)
[30] EP (16193770.1) 2016-10-13

[21] **3,035,853**
[13] A1

[51] **Int.Cl. C07K 1/22 (2006.01)**
[25] EN
[54] **METHODS FOR PURIFYING ANTIBODIES**

[54] **PROCEDES DE PURIFICATION D'ANTICORPS**

[72] DUMETZ, ANDRE C., US
[72] GOKLEN, KENT E., US
[72] LEVY, NICHOLAS E., US
[72] MOLEK, JESSICA RACHEL, US
[72] THOMSON, ANDREW S., US
[72] YANCEY, KENNETH G., US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB

[85] 2019-03-05
[86] 2017-09-06 (PCT/IB2017/055374)
[87] (WO2018/047080)
[30] US (62/384,240) 2016-09-07

[21] **3,035,855**
[13] A1

[51] **Int.Cl. B65D 75/58 (2006.01) B65D 47/10 (2006.01)**
[25] EN
[54] **NOZZLE**
[54] **BUSE**

[72] NICHOLLS, DARREN, GB
[72] WILSON, SIMON, GB
[71] LAVAZZA PROFESSIONAL NORTH AMERICA, LLC, US

[85] 2019-03-05
[86] 2017-09-06 (PCT/GB2017/052597)
[87] (WO2018/046914)
[30] GB (1615069.0) 2016-09-06

[21] **3,035,856**
[13] A1

[51] **Int.Cl. G08G 1/16 (2006.01)**
[25] EN
[54] **VEHICLE TRAVEL CONTROL METHOD AND VEHICLE TRAVEL CONTROL DEVICE**

[54] **PROCEDE DE COMMANDE DE DEPLACEMENT DE VEHICULE ET DISPOSITIF DE COMMANDE DE DEPLACEMENT DE VEHICULE**

[72] FUKUSHIGE, TAKASHI, JP
[72] TANGE, SATOSHI, JP
[71] NISSAN MOTOR CO., LTD., JP

[85] 2019-03-05
[86] 2016-09-05 (PCT/JP2016/076036)
[87] (WO2018/042671)

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[21] **3,035,858**
[13] A1

[51] **Int.Cl. D03D 11/00 (2006.01) D21F 1/10 (2006.01)**
[25] EN
[54] **INDUSTRIAL TWO-LAYERED FABRIC**
[54] **TISSU INDUSTRIEL A DEUX COUCHES**
[72] UEDA, IKUO, JP
[72] HASHIGUCHI, TEPPEI, JP
[71] NIPPON FILCON CO., LTD, JP
[85] 2019-03-05
[86] 2016-09-06 (PCT/JP2016/076093)
[87] (WO2018/047219)

[21] **3,035,859**
[13] A1

[51] **Int.Cl. C12N 9/26 (2006.01)**
[25] EN
[54] **ACID-ALPHA GLUCOSIDASE VARIANTS AND USES THEREOF**
[54] **VARIANTS D'ACIDE ALPHA-GLUCOSIDASE ET LEURS UTILISATIONS**
[72] MINGOZZI, FEDERICO, FR
[72] RONZITTI, GIUSEPPE, FR
[72] KOEBERL, DWIGHT D., US
[72] HAN, SANG-OH, US
[71] GENETHON, FR
[71] SORBONNE UNIVERSITE, FR
[71] DUKE UNIVERSITY, US
[85] 2019-03-05
[86] 2017-09-12 (PCT/EP2017/072942)
[87] (WO2018/046772)
[30] EP (16306148.4) 2016-09-12

[21] **3,035,860**
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4709 (2006.01) A61P 35/00 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **PYRIDINE COMPOUND**
[54] **COMPOSE DE PYRIDINE**
[72] INAGAKI, HIROAKI, JP
[72] SHIBATA, YOSHIHIRO, JP
[72] NAMIKI, HIDENORI, JP
[72] KAGEJI, HIDEAKI, JP
[72] NAKAYAMA, KIYOSHI, JP
[72] KANETA, YASUYUKI, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
[85] 2019-03-05
[86] 2017-09-28 (PCT/GB2017/052913)
[87] (WO2018/060714)
[30] JP (2016-191725) 2016-09-29

[21] **3,035,861**
[13] A1

[51] **Int.Cl. C08G 83/00 (2006.01) G01N 33/487 (2006.01)**
[25] EN
[54] **ION PUMP WITH HYPERBRANCHED POLYMERS**
[54] **POMPE IONIQUE A POLYMERES HYPERRAMIFIES**
[72] GABRIELSSON, ROGER, SE
[72] SANDBERG, MATS, SE
[72] BERGGREN, MAGNUS, SE
[72] SIMON, DANIEL, SE
[72] POXSON, DAVID J., SE
[72] ABRAHAMSSON, TOBIAS FREDDIE, SE
[71] OBOE IPR AB, SE
[85] 2019-03-05
[86] 2017-09-05 (PCT/EP2017/072169)
[87] (WO2018/042046)
[30] SE (1651192-5) 2016-09-05

[21] **3,035,863**
[13] A1

[51] **Int.Cl. A61G 7/12 (2006.01)**
[25] EN
[54] **ASSISTIVE TOOL FOR TRANSFER ASSISTANCE, STANDING ASSISTANCE, ETC.**
[54] **OUTIL D'ASSISTANCE POUR AIDE AU TRANSFERT, UNE AIDE A LA STATION DEBOUT, ETC.**
[72] UEDA, TAKEJI, JP
[71] ENERGYFRONT INC, JP
[85] 2019-03-05
[86] 2016-10-26 (PCT/JP2016/081724)
[87] (WO2018/055779)
[30] JP (2016-185259) 2016-09-23

[21] **3,035,864**
[13] A1

[51] **Int.Cl. E21B 41/00 (2006.01) F15B 13/02 (2006.01) F15B 13/044 (2006.01)**
[25] EN
[54] **ELECTRO-HYDRAULIC SYSTEM WITH A SINGLE CONTROL LINE**
[54] **SYSTEME ELECTRO-HYDRAULIQUE A CONDUITE DE COMMANDE UNIQUE**
[72] DAVE, JALPAN PIYUSH, SG
[72] JAMES, PAUL G., US
[72] ASTHANA, PRANAY, US
[72] BALASUBRAMANIAN, ASWIN, US
[72] ZHENG, QUANLING, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-03-05
[86] 2016-10-06 (PCT/US2016/055689)
[87] (WO2018/067153)

[21] **3,035,865**
[13] A1

[51] **Int.Cl. A61B 18/14 (2006.01) A61N 7/02 (2006.01) A61B 18/00 (2006.01) A61N 1/05 (2006.01) A61N 7/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR PREVENTING AND TREATING A VASOSPASM**
[54] **DISPOSITIF ET PROCEDE POUR LA PREVENTION ET LE TRAITEMENT D'UN VASOSPASME**
[72] HENKES, HANS, DE
[72] HANNES, RALF, DE
[72] MONSTADT, HERMANN, DE
[71] PHENOX GMBH, DE
[85] 2019-03-05
[86] 2017-09-07 (PCT/EP2017/072451)
[87] (WO2018/046592)
[30] DE (10 2016 116 871.8) 2016-09-08

[21] **3,035,867**
[13] A1

[51] **Int.Cl. E21B 43/25 (2006.01) C09K 8/80 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **METHODS FOR IMPROVING CHANNEL FORMATION**
[54] **PROCEDES D'AMELIORATION DE FORMATION DE CANAL**
[72] SINGH, DIPTI, US
[72] INYANG, UBONG, US
[72] NGUYEN, PHILIP D., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-03-05
[86] 2016-10-20 (PCT/US2016/057786)
[87] (WO2018/075038)

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[21] **3,035,868**
[13] A1

[51] **Int.Cl. C12N 9/26 (2006.01)**
[25] EN
[54] **ACID-ALPHA GLUCOSIDASE VARIANTS AND USES THEREOF**
[54] **VARIANTS DE L'ACIDE ALPHA-GLUCOSIDASE ET LEURS UTILISATIONS**

[72] MINGOZZI, FEDERICO, FR
[72] RONZITTI, GIUSEPPE, FR
[71] GENETHON, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] UNIVERSITE D'EVRY VAL D'ESSONNE, FR
[85] 2019-03-05
[86] 2017-09-12 (PCT/EP2017/072944)
[87] (WO2018/046774)
[30] EP (16306150.0) 2016-09-12
[30] EP (16306187.2) 2016-09-16

[21] **3,035,869**
[13] A1

[51] **Int.Cl. G01F 1/64 (2006.01) G01N 17/02 (2006.01) G01N 27/26 (2006.01) G01N 27/28 (2006.01) G01N 33/20 (2019.01) H01M 6/20 (2006.01) H01M 10/48 (2006.01)**

[25] EN
[54] **ELECTROCHEMICAL DETECTION OF CORROSION AND CORROSION RATES OF METAL IN MOLTEN SALTS AT HIGH TEMPERATURES**
[54] **DETECTION ELECTROCHIMIQUE DE CORROSION ET DE TAUX DE CORROSION DU METAL DANS DES SELS FONDUS A DES TEMPERATURES ELEVEES**

[72] GERVASIO, DOMINIC, US
[72] ELSENTRIECY, HASSAN, US
[71] ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, US
[85] 2019-03-05
[86] 2016-11-21 (PCT/US2016/063179)
[87] (WO2018/048461)
[30] US (62/384,028) 2016-09-06

[21] **3,035,870**
[13] A1

[51] **Int.Cl. B60W 30/06 (2006.01) B60R 21/00 (2006.01) G05D 1/00 (2006.01)**
[25] EN
[54] **PARKING ASSISTANCE METHOD AND PARKING ASSISTANCE DEVICE**
[54] **PROCEDE ET DISPOSITIF D'ASSISTANCE AU STATIONNEMENT**

[72] TANIGUCHI, YOHEI, JP
[72] HAYAKAWA, YASUHISA, JP
[72] SUZUKI, YASUHIRO, JP
[72] YAMAGUCHI, ICHIRO, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2019-03-05
[86] 2016-09-06 (PCT/JP2016/076169)
[87] (WO2018/047231)

[21] **3,035,871**
[13] A1

[51] **Int.Cl. F03D 7/02 (2006.01) F03D 7/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR MONITORING A STATUS OF AT LEAST ONE WIND TURBINE AND COMPUTER PROGRAM PRODUCT**
[54] **PROCEDE ET DISPOSITIF POUR SURVEILLER UN ETAT D'AU MOINS UNE EOLIENNE ET PRODUIT-PROGRAMME D'ORDINATEUR**

[72] MULLER, MATHIAS, DE
[72] SCHAUSS, THOMAS, DE
[71] FOS4X GMBH, DE
[85] 2019-03-05
[86] 2017-09-13 (PCT/EP2017/073026)
[87] (WO2018/050697)
[30] DE (10 2016 117 190.5) 2016-09-13

[21] **3,035,873**
[13] A1

[51] **Int.Cl. C10L 3/10 (2006.01)**
[25] EN
[54] **PRETREATMENT OF NATURAL GAS PRIOR TO LIQUEFACTION**
[54] **PRETRAITEMENT DE GAZ NATUREL AVANT LIQUEFACTION**

[72] GASKIN, THOMAS K., US
[72] YAMIN, FEREIDOUN, US
[72] GUVELIOGLU, GALIP, US
[72] PALACIOS, VANESSA, US
[71] LUMMUS TECHNOLOGY INC., US
[85] 2019-03-05
[86] 2017-04-06 (PCT/US2017/026464)
[87] (WO2018/048478)
[30] US (15/257,100) 2016-09-06

[21] **3,035,874**
[13] A1

[51] **Int.Cl. G01N 27/26 (2006.01) G01N 27/327 (2006.01) G01N 27/416 (2006.01)**
[25] EN
[54] **DETECTION REAGENTS AND ELECTRODE ARRANGEMENTS FOR MULTI-ANALYTE DIAGNOSTIC TEST ELEMENTS, AS WELL AS METHODS OF USING THE SAME**
[54] **REACTIFS DE DETECTION ET AGENCEMENTS D'ELECTRODES POUR ELEMENTS DE TEST DE DIAGNOSTIC MULTI-ANALYTES, AINSI QUE LEURS PROCEDES D'UTILISATION**

[72] BUCK, HARVEY, US
[72] BEATY, TERRY A., US
[72] DUVALL, STACY HUNT, US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2019-03-05
[86] 2017-08-16 (PCT/US2017/047048)
[87] (WO2018/067235)
[30] US (62/404,258) 2016-10-05

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[21] **3,035,875**
[13] A1

[51] **Int.Cl. A61K 31/702 (2006.01) A61K 31/7028 (2006.01) A61K 31/704 (2006.01) A61K 31/7056 (2006.01) A61K 31/726 (2006.01) A61K 31/727 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) A61P 9/10 (2006.01)**

[25] EN

[54] **COMPOUNDS FOR TREATMENT OF LIPOPROTEIN METABOLISM DISORDERS**

[54] **COMPOSES DESTINES AU TRAITEMENT DE TROUBLES DU METABOLISME DES LIPOPROTEINES**

[72] GUSTAFSEN, CAMILLA, DK

[72] MADSEN, SONDERGAARD PEDER, DK

[72] PEDERSEN, GLERUP SIMON, DK

[71] AARHUS UNIVERSITET, DK

[85] 2019-03-05

[86] 2017-09-20 (PCT/EP2017/073747)

[87] (WO2018/054959)

[30] DK (PA 2016 70733) 2016-09-20

[21] **3,035,879**
[13] A1

[51] **Int.Cl. B60W 30/06 (2006.01)**

[25] EN

[54] **DISPATCH SUPPORT METHOD AND DEVICE**

[54] **PROCEDE ET DISPOSITIF DE SUPPORT DE REPARTITION**

[72] SUZUKI, YASUHIRO, JP

[72] HAYAKAWA, YASUHISA, JP

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

[85] 2019-03-05

[86] 2016-09-06 (PCT/JP2016/076118)

[87] (WO2018/047222)

[21] **3,035,881**
[13] A1

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

[25] EN

[54] **METHOD OF COLLECTING CELL-FREE DNA**

[54] **PROCEDE DE RECUPERATION D'ADN ACELLULAIRE**

[72] NAKAGAWA, MAI, JP

[72] SEKIGUCHI, SHOTA, JP

[72] SUDO, HIROKO, JP

[71] TORAY INDUSTRIES, INC., JP

[85] 2019-03-05

[86] 2017-09-13 (PCT/JP2017/033011)

[87] (WO2018/052011)

[30] JP (2016-179451) 2016-09-14

[21] **3,035,882**
[13] A1

[51] **Int.Cl. A61K 31/787 (2006.01) C12N 15/113 (2010.01) A61K 31/196 (2006.01) A61K 31/496 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) A61K 31/7008 (2006.01) A61K 45/00 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 43/00 (2006.01) C07D 239/94 (2006.01) C07D 401/04 (2006.01) C07D 403/06 (2006.01)**

[25] EN

[54] **RUNX INHIBITOR**

[54] **INHIBITEUR DE RUNX**

[72] SUGIYAMA, HIROSHI, JP

[72] KAMIKUBO, YASUHIKO, JP

[71] KYOTO UNIVERSITY, JP

[85] 2019-03-05

[86] 2017-07-21 (PCT/JP2017/026578)

[87] (WO2018/021200)

[30] JP (2016-150560) 2016-07-29

[30] JP (2016-234399) 2016-12-01

[30] JP (2017-072380) 2017-03-31

[21] **3,035,884**
[13] A1

[51] **Int.Cl. G01N 21/57 (2006.01) G01B 11/16 (2006.01)**

[25] EN

[54] **DISTRIBUTED FIBRE OPTIC SENSOR**

[54] **PROCEDE A FIBRE OPTIQUE DISTRIBUE**

[72] BUROV, VLADIMIR NIKOLAEVICH, RU

[72] SEMENYUGA, VYACHESLAV VLADIMIROVICH, RU

[72] ZENKINA, YANA VLADIMIROVNA, RU

[72] ZAKHAROV, DMITRIY BORISOVICH, RU

[72] PEREDERIY, VYACHESLAV IVANOVICH, RU

[72] YAKOVLEV, VADIM ANATOL'YEVICH, RU

[71] LIMITED LIABILITY COMPANY "TST ENGINEERING", RU

[85] 2019-03-05

[86] 2017-08-25 (PCT/RU2017/000621)

[87] (WO2018/048327)

[30] RU (2016135839) 2016-09-06

[21] **3,035,885**
[13] A1

[51] **Int.Cl. B60G 21/055 (2006.01)**

[25] EN

[54] **STABILIZER MANUFACTURING METHOD, AND JOINT STRUCTURE FOR STABILIZER LINK**

[54] **PROCEDE DE FABRICATION DE STABILISATEUR ET STRUCTURE DE JOINT POUR LIAISON DE STABILISATEUR**

[72] KURODA, SHIGERU, JP

[72] OHMURA, SHUJI, JP

[71] NHK SPRING CO., LTD., JP

[85] 2019-03-05

[86] 2017-08-23 (PCT/JP2017/030140)

[87] (WO2018/043248)

[30] JP (2016-172572) 2016-09-05

[30] JP (2017-109235) 2017-06-01

[21] **3,035,887**
[13] A1

[51] **Int.Cl. C02F 1/32 (2006.01)**

[25] EN

[54] **WATER PURIFICATION CARTRIDGE**

[54] **CARTOUCHE DE PURIFICATION D'EAU**

[72] DHIMAN, RAJEEV, US

[72] MAZZONI, JUSTIN M., US

[72] GRIFFIN, MICHAEL E., US

[72] PATEL, HEMANG R., US

[71] 3M INNOVATIVE PROPERTIES COMPANY, US

[85] 2019-03-05

[86] 2017-08-28 (PCT/US2017/048859)

[87] (WO2018/048654)

[30] US (62/384,905) 2016-09-08

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[21] **3,035,889**
[13] A1

[51] **Int.Cl. G06Q 20/20 (2012.01) G06Q 20/32 (2012.01) G07G 1/00 (2006.01) G07G 1/14 (2006.01)**

[25] EN

[54] **SELF-CHECKOUT SYSTEM FOR BYPASSING IN-STORE CHECKOUT**

[54] **SYSTEME DE CAISSE EN LIBRE SERVICE POUR CONTOURNER UNE CAISSE EN MAGASIN**

[72] FERRERI, ARNAUD NICOLAS, US

[72] TURLAY, EMMANUEL JEAN YVES, US

[72] KHAITAN, ASHU, US

[72] LEUNG, DENISE HOI SHUEN, US

[72] BARNUM, ELIZABETH RUTH, US

[72] LEE, MOSES YUNG KYU, US

[72] SCHWANTES, DAVID, US

[71] MAPLEBEAR, INC. (DBA INSTACART), US

[85] 2019-03-05

[86] 2017-09-05 (PCT/US2017/050114)

[87] (WO2018/048808)

[30] US (15/258,942) 2016-09-07

[21] **3,035,893**
[13] A1

[51] **Int.Cl. A61K 8/9789 (2017.01) A61Q 19/08 (2006.01)**

[25] EN

[54] **AQUEOUS EXTRACT OF PRUNUS PERSICA AND PROCESS FOR PREPARING THE SAME**

[54] **EXTRAIT AQUEUX DE PRUNUS PERSICA ET PROCEDE DE PREPARATION DE CE DERNIER**

[72] PERNODET, NADINE, US

[72] LAYMAN, DAWN, US

[72] BOTTO, JEAN-MARIE, FR

[72] OGER, ELODIE, FR

[72] LE MESTR, AUDREY, FR

[72] IMBERT, ISABELLE, FR

[72] DOMLOGE, NOUHA, FR

[71] ISP INVESTMENTS LLC, US

[71] ELC MANAGEMENT LLC, US

[85] 2019-03-05

[86] 2017-09-06 (PCT/US2017/050223)

[87] (WO2018/048864)

[30] US (62/384,436) 2016-09-07

[21] **3,035,894**
[13] A1

[51] **Int.Cl. A61B 17/80 (2006.01)**

[25] EN

[54] **VARIABLE ANGLE BONE PLATE**

[54] **PLAQUE D'OSTEOSYNTHESE A ANGLE VARIABLE**

[72] LOPEZ, ERASMO A., US

[72] SNYDER, KRISTINA, US

[71] DEPUY SYNTHES PRODUCTS, INC., US

[85] 2019-03-05

[86] 2017-08-29 (PCT/US2017/049047)

[87] (WO2018/048667)

[30] US (62/385,092) 2016-09-08

[30] US (15/260,694) 2016-09-09

[21] **3,035,896**
[13] A1

[51] **Int.Cl. C12N 15/82 (2006.01) C07K 14/195 (2006.01)**

[25] EN

[54] **PESTICIDAL GENES AND METHODS OF USE**

[54] **GENES PESTICIDES ET LEURS PROCEDES D'UTILISATION**

[72] PARKS, JESSICA, US

[72] ROBERTS, KIRA BULAZEL, US

[72] THAYER, REBECCA E., US

[71] AGBIOME, INC., US

[85] 2019-03-05

[86] 2017-09-06 (PCT/US2017/050298)

[87] (WO2018/048915)

[30] US (62/383,773) 2016-09-06

[30] US (62/385,441) 2016-09-09

[30] US (62/448,410) 2017-01-20

[30] US (62/477,036) 2017-03-27

[21] **3,035,897**
[13] A1

[51] **Int.Cl. C07C 217/58 (2006.01) C07C 215/50 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS OF USE OF GAMMA-KETOALDEHYDE SCAVENGERS FOR TREATING, PREVENTING OR IMPROVING NONALCOHOLIC FATTY LIVER DISEASE (NAFLD), NASH, ALD OR CONDITIONS RELATED TOTHE LIVER**

[54] **COMPOSITIONS ET PROCEDES D'UTILISATION DE CAPTEURS DE GAMMA-CETOALDEHYDE POUR LE TRAITEMENT, LA PREVENTION OU L'AMELIORATION DE LA MALADIE DU FOIE GRAS NON ALCOOLIQUE (NAFLD), DE NASH, DE L'ALD OU D'ETATS ASSOCIES AU FOIE**

[72] RATHMACHER, JOHN, US

[72] ABUMRAD, NAJI, US

[72] FLYNN, CHARLES, US

[71] METABOLIC TECHNOLOGIES, INC., US

[85] 2019-03-05

[86] 2017-09-06 (PCT/US2017/050317)

[87] (WO2018/048932)

[30] US (62/383,895) 2016-09-06

[30] US (62/410,133) 2016-10-19

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[21] **3,035,898**
[13] A1

[51] **Int.Cl. C11D 3/43 (2006.01) C11D 17/04 (2006.01)**
[25] EN
[54] **CLEANING COMPOSITION, METHOD OF MAKING AND USE THEREOF**
[54] **COMPOSITION DE NETTOYAGE, SON PROCÉDE DE FABRICATION ET SON UTILISATION**
[72] HAWKINS, WALTER, US
[72] REYNOLDS, SHARON W., US
[72] LILLARD, JAMES W., JR., US
[72] HE, QING, US
[72] JONES, HARRY MICHAEL, US
[71] MOREHOUSE SCHOOL OF MEDICINE, US
[71] DEVMAR PRODUCTS, LLC, US
[71] INNOVATIVE ENVIRONMENTAL COMPANIES, US
[85] 2019-03-05
[86] 2017-09-06 (PCT/US2017/050337)
[87] (WO2018/048947)
[30] US (62/495,274) 2016-09-08
[30] US (15/696,480) 2017-09-06

[21] **3,035,901**
[13] A1

[51] **Int.Cl. H01H 3/04 (2006.01) H01H 3/06 (2006.01) H01H 3/08 (2006.01) H01H 3/10 (2006.01) H01H 3/20 (2006.01) H01H 9/02 (2006.01) H01H 9/04 (2006.01) H01H 9/20 (2006.01) H01H 9/22 (2006.01) H01H 19/06 (2006.01) H01H 19/635 (2006.01) H01H 71/52 (2006.01) H01H 71/56 (2006.01)**
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[54] **ACTUATOR ASSEMBLY FOR ELECTRICAL SWITCHES HOUSED IN AN ENCLOSURE**
[54] **ENSEMBLE ACTIONNEUR POUR COMMUTATEURS ELECTRIQUES LOGES DANS UNE ENCEINTE**
[72] TAAFFE, STEVEN JOHN, US
[72] BORZILLO, ANTHONY DALE, US
[72] MADDUX, STEVEN HOWARD, US
[71] HUBBELL INCORPORATED, US
[85] 2019-03-05
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[87] (WO2018/048878)
[30] US (15/259,332) 2016-09-08

[21] **3,035,902**
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[51] **Int.Cl. C04B 26/26 (2006.01) B32B 11/02 (2006.01) C04B 14/04 (2006.01) C04B 14/24 (2006.01) C08L 95/00 (2006.01) C09D 195/00 (2006.01) D06N 5/00 (2006.01) E04D 5/06 (2006.01)**
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[54] **LIGHTWEIGHT FILLER FOR WATERPROOFING BITUMEN MEMBRANES**
[54] **CHARGE LEGERE POUR MEMBRANES DE BITUME D'IMPERMEABILISATION**
[72] RUINART DE BRIMONT, MATHIAS, SE
[72] HORNIG, ANDREAS, DE
[72] JENSEN, EIRIK S., DK
[72] OLSEN, JOHN EJURUP, DK
[71] ICOPAL APS, DK
[85] 2019-03-05
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[54] **SPORTS TRAINING BALL WITH ENHANCED GRIPPING SURFACE**
[54] **BALLE D'ENTRAINEMENT SPORTIF AVEC SURFACE DE PREHENSION AMELIOREE**
[72] GUMP, LAURA, US
[71] SWAX LAX LLC, US
[85] 2019-03-05
[86] 2017-09-07 (PCT/US2017/050402)
[87] (WO2018/048983)
[30] PK (540/2016) 2016-09-07
[30] US (62/446,137) 2017-01-13
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[25] EN
[54] **ROTARY BORING MINING MACHINE INERTIAL STEERING SYSTEM**
[54] **SYSTEME DE DIRECTION INERTIELLE DE MACHINE D'EXPLOITATION MINIÈRE A FORAGE ROTATIF**
[72] TIVAS, ROY W., US
[72] RASMUSSEN, ERIK, US
[71] THE MOSAIC COMPANY, US
[85] 2019-03-05
[86] 2017-09-08 (PCT/US2017/050703)
[87] (WO2018/049177)
[30] US (62/385,550) 2016-09-09

[21] **3,035,905**
[13] A1

[51] **Int.Cl. E03D 5/10 (2006.01)**
[25] EN
[54] **PLUMBING CONTROL SYSTEM, METHOD, AND APPARATUS FOR PREVENTING REPEATED USE OF AN APPLIANCE WITH FEEDBACK**
[54] **SYSTEME, PROCÉDE ET APPAREIL DE COMMANDE DE PLOMBERIE POUR EMPECHER L'UTILISATION REPETEE D'UN DISPOSITIF AVEC RETROACTION**
[72] ALLARD, ROCK R., III, US
[71] SDB IP HOLDINGS, LLC, US
[85] 2019-03-05
[86] 2017-09-07 (PCT/US2017/050410)
[87] (WO2018/048990)
[30] US (15/259,723) 2016-09-08

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[54] **IMMUNOTHERAPY FOR POLYOMAVIRUSES**

[54] **IMMUNOTHERAPIE CONTRE LES POLYOMAVIRUS**

[72] KHANNA, RAJIV, AU

[72] THOMAS, GEORGE ROBIN AMBALATHINGAL, AU

[72] AFTAB, BLAKE TOLU, AU

[71] ATARA BIOTHERAPEUTICS, INC., US

[71] THE COUNCIL OF THE QUEENSLAND INSTITUTE OF MEDICAL RESEARCH, AU

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[51] **Int.Cl. G06F 11/07 (2006.01) G06F 11/30 (2006.01)**

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[54] **APPARATUS AND METHOD FOR MONITORING A FIELD**

[54] **SYSTEME ET PROCEDE DE SURVEILLANCE D'UN CHAMP**

[72] CANTRELL, ROBERT L., US

[72] THOMPSON, JOHN P., US

[72] WINKLE, DAVID C., US

[72] ATCHLEY, MICHAEL D., US

[72] HIGH, DONALD R., US

[72] MATTINGLY, TODD D., US

[72] O'BRIEN, JOHN J., US

[72] SIMON, JOHN F., US

[72] JONES, NATHAN G., US

[72] TAYLOR, ROBERT C., US

[71] WALMART APOLLO, LLC, US

[85] 2019-03-05

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[87] (WO2018/048782)

[30] US (62/385,827) 2016-09-09

[21] **3,035,908**
[13] A1

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[54] **DRILLING GEOMECHANICS SALT CREEP MONITORING**

[54] **SURVEILLANCE DE FLUAGE DE SEL GEOMECHANIQUE DE FORAGE**

[72] CASTAGNOLI, JOAO PAULO, MX

[72] MONTESINOS, CYRILLE, FR

[72] MUNOZ SANCHEZ, DIEGO ARMANDO, MX

[71] SCHLUMBERGER CANADA LIMITED, CA

[85] 2019-03-05

[86] 2017-09-07 (PCT/US2017/050523)

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[13] A1

[51] **Int.Cl. C12N 15/09 (2006.01) C12N 15/11 (2006.01) C12N 15/63 (2006.01) C12N 15/90 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR MODULATING GENE EXPRESSION**

[54] **METHODES ET COMPOSITIONS POUR MODULER L'EXPRESSION GENIQUE**

[72] LANDE, LAURA GABRIELA, US

[72] BERRY, DAVID ARTHUR, US

[72] KARNIK, RAHUL, US

[71] FLAGSHIP PIONEERING, INC., US

[85] 2019-03-05

[86] 2017-09-07 (PCT/US2017/050553)

[87] (WO2018/049073)

[30] US (62/384,603) 2016-09-07

[30] US (62/416,501) 2016-11-02

[30] US (62/439,327) 2016-12-27

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[25] EN

[54] **VARIABLE PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) SIGNALING AND TRANSMISSION**

[54] **SIGNALISATION ET TRANSMISSION DE CANAL DE COMMANDE DE LIAISON MONTANTE PHYSIQUE VARIABLE (PUCCH)**

[72] JOHN WILSON, MAKESH PRAVIN, US

[72] LUO, TAO, US

[72] NAGARAJA, SUMEETH, US

[72] AKKARAKARAN, SONY, US

[71] QUALCOMM INCORPORATED, US

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[54] **BIOSYNTHETIC HEPARIN**

[54] **HEPARINE BIOSYNTHETIQUE**

[72] DOUAISSI, MARC, US

[72] GROVER, NAVDEEP, US

[72] DATTA, PAYEL, US

[72] PASKALEVA, ELENA, US

[72] LIN, LEI, US

[72] BRODFUEHRER, PAUL, US

[72] SIMMONS, TREVOR J., US

[72] ONISHI, AKIHIRO, US

[72] HIRAKANE, MAKOTO, US

[72] FU, LI, US

[72] LI, KEVIN, US

[72] LINHARDT, ROBERT J., US

[72] DORDICK, JONATHAN, US

[72] MORI, DAISUKE, US

[71] RENSSELAER POLYTECHNIC INSTITUTE, US

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[25] EN

[54] **COLD ATMOSPHERIC PLASMA TREATMENT OF ACTINIC KERATOSIS AND NON-MELANOMA SKIN CANCER**

[54] **TRAITEMENT PAR PLASMA FROID ATMOSPHERIQUE DE LA KERATOSE ACTINIQUE ET DU CANCER CUTANE NON MELANOCYTAIRE**

[72] WIRTZ, MICHELLE, DE

[71] WIRTZ, MICHELLE, DE

[85] 2019-03-05

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[87] (WO2018/069549)

[30] US (62/408,765) 2016-10-15

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[13] A1

[51] **Int.Cl. G06K 9/20 (2006.01) G05D 11/00 (2006.01)**

[25] EN

[54] **INTEGRATED FIELD PHENOTYPING AND MANAGEMENT PLATFORM FOR CROP DEVELOPMENT AND PRECISION AGRICULTURE**

[54] **PLATEFORME DE GESTION ET DE PHENOTYPAGE DE CHAMP INTEGRE POUR UN DEVELOPPEMENT DE CULTURE ET UNE AGRICULTURE DE PRECISION**

[72] SHAKOOR, NADIA, US

[72] MOCKLER, TODD C., US

[72] KEZELE, WILLIAM FRANCIS, US

[71] DONALD DANFORTH PLANT SCIENCE CENTER, US

[85] 2019-03-05

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[54] **FLEXIBLE CIRCUIT WITH REDUNDANT CONNECTION POINTS FOR ULTRASOUND ARRAY**

[54] **CIRCUIT SOUPLE AVEC POINTS DE LIAISON REDONDANTS POUR RESEAU D'ULTRASONS**

[72] KOSKI, KELLY JAMES, US

[72] WETZSTEIN, JOEL DEAN, US

[72] NIEMINEN, GREG, US

[71] ECHONOUS, INC., US

[85] 2019-03-05

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[21] **3,035,916**
[13] A1

[51] **Int.Cl. F16H 19/00 (2006.01) G05G 1/08 (2006.01) G05G 5/03 (2009.01) F16H 35/00 (2006.01)**

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[54] **GEARED INTERFACE HAVING NON-LINEAR FEEDBACK**

[54] **INTERFACE A ENGRENAGES A RETROACTION NON LINEAIRE**

[72] BRUBAKER, CHRISTOPHER L., US

[71] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US

[85] 2019-03-05

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[51] **Int.Cl. G07D 7/187 (2016.01) G07D 7/12 (2016.01)**

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[54] **METHOD AND DEVICE FOR DETECTING COLOR FADING ON A VALUE DOCUMENT, IN PARTICULAR A BANKNOTE, AND VALUE-DOCUMENT PROCESSING SYSTEM**

[54] **PROCEDE ET DISPOSITIF DE DETECTION DEGRADATIONS DE COULEURS SUR UN DOCUMENT DE VALEUR, EN PARTICULIER UN BILLET DE BANQUE, AINSI QUE SYSTEME DE TRAITEMENT DE DOCUMENTS DE VALEUR**

[72] SU, SHANCHUAN, DE

[72] HOLL, NORBERT, DE

[71] GIESECKE+DEVRIENT CURRENCY TECHNOLOGY GMBH, DE

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[86] 2017-09-13 (PCT/EP2017/001091)

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[30] DE (10 2016 011 417.7) 2016-09-22

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[25] EN

[54] **SURFACE MODIFYING AGENT FORMULATION**

[54] **FORMULATION D'AGENT DE MODIFICATION DE SURFACE**

[72] CLAUSI, ROBERT N., CA

[72] DILORETO, SALVATORE ANTHONY, CA

[71] CLAUSI, ROBERT N., CA

[71] DILORETO, SALVATORE ANTHONY, CA

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[54] **VEHICLE TO VEHICLE COMMUNICATIONS DEVICE AND METHODS FOR RECREATIONAL VEHICLES**
[54] **DISPOSITIF DE COMMUNICATION DE VEHICULE A VEHICULE ET PROCEDES POUR DES VEHICULES DE LOISIRS**
[72] POST, BENJAMIN L., US
[72] KROSSCHELL, BRIAN D., US
[72] BETCHER, BENJAMIN J., US
[71] POLARIS INDUSTRIES INC., US
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[54] **SYSTEMES ET PROCEDES D'AUTHENTIFICATION DE DISPOSITIF**
[72] ELLINGSON, JOHN, US
[72] OTTOSON, THOMAS CHARLES, US
[71] INFOSCI, LLC, US
[85] 2019-03-05
[86] 2017-09-08 (PCT/US2017/050614)
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[54] **SELF-THICKENING LATEX FOR WATERBORNE SYSTEMS AND RELATED METHODS**
[54] **LATEX AUTO-EPAISSISSANT POUR SYSTEMES A L'EAU ET PROCEDES ASSOCIES**
[72] ZHOU, LICHANG, US
[72] SIDDIQUI, ADNAN, US
[72] JAMASBI, HOMAYOUN, US
[72] WILSON, DAVID JAMES, FR
[72] DUFILS, PIERRE-EMMANUEL, FR
[72] CHEN, TIFFANY, US
[72] TREZZI, FABIO, FR
[71] RHODIA OPERATIONS, FR
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[51] **Int.Cl. H04N 5/359 (2011.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR HIGH DYNAMIC RANGE DIGITAL DOUBLE SAMPLING**
[54] **SYSTEME ET PROCEDE D'ECHANTILLONNAGE DOUBLE NUMERIQUE A PLAGE DYNAMIQUE ELEVEE**
[72] ROTTE, JEROEN, LU
[72] VISSER, RIC, LU
[72] VAN DEN HEIJKANT, JUUL JOSEPHUS JOHANNES, LU
[71] GVBB HOLDINGS, S.A.R.L., LU
[85] 2019-03-06
[86] 2017-09-05 (PCT/EP2017/072196)
[87] (WO2018/046478)
[30] US (62/384,970) 2016-09-08
[30] US (15/693,034) 2017-08-31

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[13] A1

[51] **Int.Cl. H04L 12/18 (2006.01) H04N 21/43 (2011.01) H04L 12/927 (2013.01) H04L 29/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PERFORMING LOSSLESS SWITCHING IN A REDUNDANT MULTICAST NETWORK**
[54] **SYSTEME ET PROCEDE PERMETTANT D'EFFECTUER UNE COMMUTATION SANS PERTE DANS UN RESEAU DE MULTIDIFFUSION REDONDANT**
[72] BUCHANAN, LEE, LU
[72] MARTEL, STEPHANE, LU
[71] GVBB HOLDINGS, S.A.R.L., LU
[85] 2019-03-06
[86] 2017-09-06 (PCT/EP2017/072387)
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[30] US (15/695,827) 2017-09-05

[21] **3,035,924**
[13] A1

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[25] EN
[54] **DIFFERENTIAL DIGITAL DOUBLE SAMPLING METHOD AND CMOS IMAGE SENSOR FOR PERFORMING SAME**
[54] **PROCEDE D'ECHANTILLONNAGE DOUBLE NUMERIQUE DIFFERENTIEL ET CAPTEUR D'IMAGE CMOS POUR LA MISE EN OEUVRE DE CE PROCEDE**
[72] VAN DEN HEIJKANT, JUUL JOSEPHUS JOHANNES, LU
[72] ROTTE, JEROEN, LU
[72] CENTEN, PETRUS GIJSBERTUS, LU
[71] GVBB HOLDINGS, S.A.R.L., LU
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[13] A1

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[54] **SYSTEM AND METHOD FOR SCALABLE PHYSICAL LAYER FLOW OF PACKETIZED MEDIA STREAMS**

[54] **SYSTEME ET PROCEDE DESTINES A UN FLUX DE COUCHE PHYSIQUE EXTENSIBLE DE FLUX MULTIMEDIAS EN PAQUETS**

[72] MARTEL, STEPHANE, LU
[72] MEYER, CHARLES S., LU
[71] GVBB HOLDINGS, S.A.R.L., LU
[85] 2019-03-06
[86] 2017-09-08 (PCT/EP2017/072663)
[87] (WO2018/046703)
[30] US (62/385,205) 2016-09-08
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[21] **3,035,928**
[13] A1

[51] **Int.Cl. H02K 7/075 (2006.01) B60G 17/0195 (2006.01) H02K 7/12 (2006.01) H02K 16/04 (2006.01) H02K 21/24 (2006.01)**

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[54] **MULTI-BAR LINKAGE ELECTRIC DRIVE SYSTEM**

[54] **SYSTEME D'ENTRAINEMENT ELECTRIQUE A ARTICULATION A BARRES MULTIPLES**

[72] HUNTER, IAN W., US
[72] FOFONOFF, TIMOTHY A., US
[72] MADDEN, PETER G., US
[72] LJUBICIC, DEAN, US
[71] NUCLEUS SCIENTIFIC, INC., US
[85] 2019-03-05
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[30] US (62/393,982) 2016-09-13
[30] US (62/512,469) 2017-05-30

[21] **3,035,929**
[13] A1

[51] **Int.Cl. H04W 4/02 (2018.01) G06Q 40/08 (2012.01) G06F 17/16 (2006.01) G06F 17/18 (2006.01)**

[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING MOBILE DEVICE MOVEMENT WITHIN A VEHICLE USING ACCELEROMETER DATA**

[54] **SYSTEMES ET PROCEDES DE DETECTION DE MOUVEMENT DE DISPOSITIF MOBILE A L'INTERIEUR D'UN VEHICULE A L'AIDE DE DONNEES D'ACCELEROMETRE**

[72] MUKHTAR, YASIR, US
[72] NAGPAL, VARUN, US
[72] SNYDER, JARED S., US
[72] WALSH, CONNOR, US
[71] ARITY INTERNATIONAL LIMITED, GB
[85] 2019-03-05
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[21] **3,035,930**
[13] A1

[51] **Int.Cl. E05B 47/06 (2006.01) E05B 13/00 (2006.01) E05C 17/56 (2006.01)**

[25] EN
[54] **HANDLE DEVICE**

[54] **DISPOSITIF POIGNEE**

[72] WENNBERG, RIKARD, SE
[71] ASSA ABLOY OPENING SOLUTIONS SWEDEN AB, SE
[85] 2019-03-06
[86] 2017-09-21 (PCT/EP2017/073905)
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[30] EP (16190410.7) 2016-09-23

[21] **3,035,931**
[13] A1

[51] **Int.Cl. C12N 5/02 (2006.01) C12N 5/0775 (2010.01) A61K 31/726 (2006.01) A61K 31/737 (2006.01) A61K 35/12 (2015.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01) A61P 37/00 (2006.01)**

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[54] **CELL EXPANSION METHODS AND THERAPEUTIC COMPOSITIONS**

[54] **PROCEDES D'EXPANSION DE CELLULES ET COMPOSITIONS THERAPEUTIQUES**

[72] BANERJEE, BALARKA, AU
[72] MORGAN, CHARLOTTE, AU
[72] VESEY, GRAHAM, AU
[72] PACKER, NICOLLE HANNAH, AU
[71] CELL IDEAS PTY LTD, AU
[85] 2019-03-06
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[30] AU (2015903658) 2015-09-08

[21] **3,035,932**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/28 (2006.01)**

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[72] HARDING, FIONA A., US
[72] SAMAYOA, JOSUE, US
[71] ABBVIE BIOTHERAPEUTICS INC., US
[85] 2019-03-05
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[87] (WO2018/053106)
[30] US (62/394,314) 2016-09-14

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[21] **3,035,933**
[13] A1

[51] **Int.Cl. E04B 2/74 (2006.01) E04B 2/82 (2006.01)**
[25] EN
[54] **SYSTEM FOR THE PARTITION OF SPACES**
[54] **SYSTEME DE PARTITION D'ESPACES**
[72] DANESI, SILVIO, IT
[72] SACCHI, MAURIZIO, IT
[71] DANESI, SILVIO, IT
[71] SACCHI, MAURIZIO, IT
[85] 2019-03-06
[86] 2017-09-14 (PCT/IB2017/055545)
[87] (WO2018/051253)
[30] IT (102016000093079) 2016-09-15
[30] IT (102016000093081) 2016-09-15

[21] **3,035,934**
[13] A1

[51] **Int.Cl. G08G 5/00 (2006.01) G05D 1/06 (2006.01) G08G 5/02 (2006.01)**
[25] EN
[54] **AUTOMATIC ARMING OF AIRCRAFT STEEP APPROACH FUNCTION**
[54] **ARMEMENT AUTOMATIQUE D'UNE FONCTION D'APPROCHE A FORTE PENTE D'UN AERONEF**
[72] REIST, DAVID, CA
[72] MOISAN, ALAIN, CA
[71] BOMBARDIER INC., CA
[85] 2019-03-06
[86] 2017-08-31 (PCT/IB2017/055244)
[87] (WO2018/047042)
[30] US (62/385,421) 2016-09-09

[21] **3,035,935**
[13] A1

[51] **Int.Cl. C01F 11/18 (2006.01) A61L 27/00 (2006.01) B01J 2/00 (2006.01) C08J 3/12 (2006.01) C08J 3/20 (2006.01) C08L 67/04 (2006.01) C09C 1/00 (2006.01) C09C 1/02 (2006.01)**
[25] EN
[54] **COMPOSITE POWDER CONTAINING CALCIUM CARBONATE AND HAVING MICROSTRUCTURED PARTICLES HAVING INHIBITORY CALCIUM CARBONATE**
[54] **POUDRE COMPOSITE A PARTICULES MICROSTRUCTUREES CONTENANT DU CARBONATE DE CALCIUM INHIBITEUR**
[72] VUCAK, MARIJAN, DE
[71] SCHAEFER KALK GMBH & CO. KG, DE
[85] 2019-03-06
[86] 2017-09-07 (PCT/EP2017/072409)
[87] (WO2018/046571)
[30] EP (16001953.5) 2016-09-08

[21] **3,035,937**
[13] A1

[51] **Int.Cl. C01F 11/18 (2006.01) A61L 27/00 (2006.01) B01J 2/00 (2006.01) C08J 3/12 (2006.01) C08J 3/20 (2006.01) C08L 67/04 (2006.01) C09C 1/00 (2006.01) C09C 1/02 (2006.01)**
[25] EN
[54] **COMPOSITE POWDER CONTAINING CALCIUM CARBONATE AND HAVING MICROSTRUCTURED PARTICLES**
[54] **POUDRE COMPOSITE A PARTICULES MICROSTRUCTUREES CONTENANT DU CARBONATE DE CALCIUM**
[72] VUCAK, MARIJAN, DE
[71] SCHAEFER KALK GMBH & CO. KG, DE
[85] 2019-03-06
[86] 2017-09-07 (PCT/EP2017/072412)
[87] (WO2018/046572)
[30] EP (16001954.3) 2016-09-08

[21] **3,035,938**
[13] A1

[51] **Int.Cl. H04N 5/365 (2011.01)**
[25] EN
[54] **BRIGHTNESS CORRECTION OF A PIXEL ARRAY IN AN IMAGE SENSOR**
[54] **CORRECTION DE LUMINOSITE D'UNE MATRICE DE PIXELS DANS UN CAPTEUR D'IMAGES**
[72] ROTTE, JEROEN, LU
[72] VISSER, RIK, LU
[71] GVBB HOLDINGS, S.A.R.L., LU
[85] 2019-03-06
[86] 2017-09-07 (PCT/EP2017/072447)
[87] (WO2018/046589)
[30] US (62/385,153) 2016-09-08
[30] US (15/693,295) 2017-08-31

[21] **3,035,940**
[13] A1

[51] **Int.Cl. C02F 11/14 (2019.01)**
[25] EN
[54] **TREATMENT OF SLUDGES AND FLOCCULANTS USING INSOLUBLE MINERAL COLLOIDAL SUSPENSIONS**
[54] **TRAITEMENT DE BOUES ET FLOCCULANTS UTILISANT DES SUSPENSIONS COLLOIDALES MINERALES INSOLUBLES**
[72] EYSTER, PERRY, US
[72] WEBER, CHRISTOPHER D., US
[71] HERITAGE RESEARCH GROUP, LLC, US
[85] 2019-03-05
[86] 2017-09-26 (PCT/US2017/053465)
[87] (WO2018/058115)
[30] US (62/399,899) 2016-09-26

[21] **3,035,942**
[13] A1

[51] **Int.Cl. H04N 5/202 (2006.01) H04N 5/235 (2006.01)**
[25] EN
[54] **HIGH DYNAMIC RANGE PROCESSING**
[54] **TRAITEMENT DE GRANDE GAMME DYNAMIQUE**
[72] ROTTE, JEROEN, LU
[72] SNOECK-HENKEMANS, DIRK, LU
[72] CENTEN, PETRUS GJISBERTUS, LU
[71] GVBB HOLDINGS, S.A.R.L., LU
[85] 2019-03-06
[86] 2017-09-07 (PCT/EP2017/072502)
[87] (WO2018/046614)
[30] US (62/384,606) 2016-09-07
[30] US (15/697,187) 2017-09-06

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[21] **3,035,943**
[13] A1

[51] **Int.Cl. A61K 31/05 (2006.01) A61K 31/122 (2006.01) A61K 31/352 (2006.01) A61P 3/00 (2006.01) A61P 17/00 (2006.01) A61P 25/00 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) C07C 39/38 (2006.01) C07C 43/23 (2006.01) C07C 50/20 (2006.01) C07C 69/017 (2006.01) C07D 311/92 (2006.01)**

[25] EN

[54] **MEDICINAL USE OF SERRULATANE DITERPENES**

[54] **UTILISATION MEDICALE DE DITERPENES DE SERRULATANE**

[72] DUKE, COLIN CHARLES, AU

[72] DUKE, RUJEE KYOKAJEE, AU

[72] TRAN, VAN HOAN, AU

[71] THE UNIVERSITY OF SYDNEY, AU

[85] 2019-03-05

[86] 2017-09-07 (PCT/AU2017/050972)

[87] (WO2018/045424)

[30] AU (2016903585) 2016-09-07

[21] **3,035,944**
[13] A1

[51] **Int.Cl. B62D 7/14 (2006.01) B62D 7/22 (2006.01)**

[25] EN

[54] **STEERING CENTERING/DAMPING MECHANISM FOR A STEERABLE HEAVY-DUTY VEHICLE AXLE/SUSPENSION SYSTEM**

[54] **MECANISME DE CENTRAGE/D'AMORTISSEMENT DE DIRECTION POUR SYSTEME D'ESSIEU/DE SUSPENSION DE VEHICULE UTILITAIRE LOURD ET ORIENTABLE**

[72] WESTNEDGE, ANDREW J., US

[72] GUNTERMANN, JAMES A., US

[71] HENDRICKSON USA, L.L.C., US

[85] 2019-03-05

[86] 2017-10-04 (PCT/US2017/055063)

[87] (WO2018/067652)

[30] US (62/403,863) 2016-10-04

[21] **3,035,946**
[13] A1

[51] **Int.Cl. H04N 5/357 (2011.01) H04N 5/343 (2011.01) H04N 5/347 (2011.01) H04N 5/3745 (2011.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DYNAMIC PIXEL MANAGEMENT OF A CROSS PIXEL INTERCONNECTED CMOS IMAGE SENSOR**

[54] **SYSTEME ET PROCEDE DE GESTION DYNAMIQUE DE PIXELS D'UN CAPTEUR D'IMAGE CMOS INTERCONNECTE A PIXELS CROISES**

[72] CENTEN, PETRUS GJSBERTUS, LU

[72] ROTTE, JEROEN, LU

[72] VAN DEN HEIJKANT, JUUL JOSEPHUS JOHANNES, LU

[72] VAN REE, RUDOLF, LU

[71] GVBB HOLDINGS, S.A.R.L., LU

[85] 2019-03-06

[86] 2017-09-08 (PCT/EP2017/072630)

[87] (WO2018/046688)

[30] US (62/385,204) 2016-09-08

[30] US (62/385,027) 2016-09-08

[30] US (15/362,023) 2016-11-28

[30] US (15/697,349) 2017-09-06

[21] **3,035,950**
[13] A1

[51] **Int.Cl. A47B 43/00 (2006.01) A47B 47/00 (2006.01)**

[25] EN

[54] **FOLDABLE CABINET**

[54] **ARMOIRE PLIABLE**

[72] KAGAN, ISHAY, IL

[71] KETER PLASTIC LTD., IL

[85] 2019-03-06

[86] 2017-09-17 (PCT/IL2017/051049)

[87] (WO2018/065976)

[30] IL (248226) 2016-10-06

[21] **3,035,951**
[13] A1

[51] **Int.Cl. A61K 9/08 (2006.01) A61K 38/26 (2006.01) A61K 47/02 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01) A61K 47/26 (2006.01) A61P 3/10 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL PREPARATION CONTAINING POLYETHYLENE GLYCOL LOXENATIDE AND PREPARATION METHOD THEREOF**

[54] **PREPARATION PHARMACEUTIQUE CONTENANT DU POLYETHYLENE GLYCOL LOXENATIDE ET SON PROCEDE DE PREPARATION**

[72] DONG, LI, CN

[72] WANG, GE, CN

[72] HU, DI, CN

[72] SUN, YUNDONG, CN

[72] YUAN, HENGLI, CN

[71] JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., CN

[85] 2019-03-06

[86] 2017-10-16 (PCT/CN2017/106355)

[87] (WO2018/068770)

[30] CN (201610900107.0) 2016-10-14

[21] **3,035,953**
[13] A1

[51] **Int.Cl. B29C 43/12 (2006.01) B29C 43/14 (2006.01) B29C 43/32 (2006.01)**

[25] EN

[54] **METHOD FOR MOLDING COMPOSITE MATERIAL AND JIG FOR MOLDING COMPOSITE MATERIAL**

[54] **PROCEDE DE MOULAGE D'UN MATERIAU COMPOSITE ET GABARIT POUR LE MOULAGE D'UN MATERIAU COMPOSITE**

[72] TOKUTOMI, HIROSHI, JP

[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP

[85] 2019-03-06

[86] 2017-09-06 (PCT/JP2017/032140)

[87] (WO2018/047869)

[30] JP (2016-174714) 2016-09-07

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[21] **3,035,954**
[13] A1

[51] **Int.Cl. A61B 5/0408 (2006.01) A61B 5/04 (2006.01) A61B 5/0404 (2006.01) A61B 5/0478 (2006.01)**

[25] EN

[54] **BIOSIGNAL DETECTION GARMENT**

[54] **SOUS-VETEMENT DE DETECTION DE BIOSIGNAL**

[72] OTSUKA, AZUKI, JP

[72] ISHIKAWA, EMIKO, JP

[72] MURAKAMI, YASUHARU, JP

[72] ISHIHARA, TAKAKO, JP

[72] TAKAGAHARA, KAZUHIKO, JP

[72] FUJII, KOUJI, JP

[71] TORAY INDUSTRIES, INC., JP

[85] 2019-03-06

[86] 2017-09-05 (PCT/JP2017/031934)

[87] (WO2018/047814)

[30] JP (2016-174290) 2016-09-07

[21] **3,035,955**
[13] A1

[51] **Int.Cl. A61M 1/14 (2006.01) A61M 1/16 (2006.01) A61M 1/36 (2006.01)**

[25] EN

[54] **INDIVIDUAL DIFFERENCE INFORMATION MANAGEMENT SYSTEM IN DIALYSIS TREATMENT**

[54] **SYSTEME DE GESTION D'INFORMATIONS CONCERNANT DES DIFFERENCES ENTRE LES INDIVIDUS DANS UN TRAITEMENT DE DIALYSE**

[72] URAKABE, NOBUCHIKA, JP

[71] KABUSHIKI KAISYA ADVANCE, JP

[85] 2019-03-06

[86] 2017-09-08 (PCT/JP2017/032551)

[87] (WO2018/047956)

[30] JP (2016-175295) 2016-09-08

[21] **3,035,957**
[13] A1

[51] **Int.Cl. C08G 83/00 (2006.01) C08G 18/08 (2006.01) C08G 18/18 (2006.01) C08G 18/80 (2006.01) C08L 101/00 (2006.01) C08L 101/02 (2006.01) C09D 5/02 (2006.01) C09D 5/14 (2006.01) C09D 201/00 (2006.01) C09D 201/02 (2006.01) D06M 15/564 (2006.01)**

[25] EN

[54] **ANTIMICROBIAL SURFACTANTS AND WATER BORNE COATINGS COMPRISING THE SAME**

[54] **TENSIOACTIFS ANTIMICROBIENS ET REVETEMENTS A BASE D'EAU LES COMPRENANT**

[72] FIETEN, BRAM, NL

[72] WESSELS, JAN, NL

[72] BROOKHUIS, RAINIER ANTONIUS HERMANUS, NL

[72] VAN WIJHE, MARIE LOUISE, NL

[72] LOONTJENS, JACOBUS ANTONIUS, NL

[72] ZHAO, PEI, NL

[72] BUSSCHER, HENDRIK JAN, NL

[72] VAN DER MEI, HENDERINA CATHARINA, NL

[72] WESSEL, STEFAN WOUTER, NL

[72] MECOZZI, FRANCESCO, NL

[72] DRIESSE, MARIANNE, NL

[71] VAN WIJHE BEHEER B.V., NL

[85] 2019-03-06

[86] 2017-09-07 (PCT/NL2017/050587)

[87] (WO2018/048302)

[30] NL (2017429) 2016-09-07

[21] **3,035,958**
[13] A1

[51] **Int.Cl. C07K 14/575 (2006.01) A61K 38/22 (2006.01) A61P 5/48 (2006.01)**

[25] EN

[54] **AMYLIN ANALOGUES**

[54] **ANALOGUES D'AMYLINE**

[72] MATHIESEN, JESPER MOSOLFF, DK

[72] GIEHM, LISE, DK

[72] MUNCH, HENRIK KOFOED, DK

[72] VILLADSEN, JESPER SKOVBORG, DK

[72] HAMPRECHT, DIETER WOLFGANG, DE

[72] HEIMRIETHER, ALEXANDER, DE

[72] FOSSATI, GIACOMO, DE

[71] ZEALAND PHARMA A/S, DK

[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE

[85] 2019-03-06

[86] 2017-09-11 (PCT/EP2017/072718)

[87] (WO2018/046719)

[30] EP (16188024.0) 2016-09-09

[21] **3,035,959**
[13] A1

[51] **Int.Cl. B63B 21/00 (2006.01)**

[25] EN

[54] **HYDRAULIC MOORING CABLE HOLDING DEVICE, SYSTEM AND METHOD**

[54] **DISPOSITIF, SYSTEME ET PROCEDE DE RETENUE DE CABLE D'AMARRAGE HYDRAULIQUE**

[72] VAN DER BURG, GERRIT, NL

[71] SHORETENSION HOLDING B.V., NL

[85] 2019-03-06

[86] 2017-09-07 (PCT/NL2017/050588)

[87] (WO2018/048303)

[30] NL (2017431) 2016-09-07

[21] **3,035,960**
[13] A1

[51] **Int.Cl. G05F 1/56 (2006.01) H02H 9/00 (2006.01) H02M 3/156 (2006.01)**

[25] EN

[54] **CHARGE MANAGEMENT SYSTEM**

[54] **SYSTEME DE GESTION DE CHARGE**

[72] LINDSAY, BRUCE J., US

[71] RAYTHEON COMPANY, US

[85] 2019-03-06

[86] 2017-05-02 (PCT/US2017/030502)

[87] (WO2018/052489)

[30] US (15/266,531) 2016-09-15

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[21] **3,035,961**
[13] A1

[51] **Int.Cl. H01B 7/295 (2006.01) C09K 21/02 (2006.01) C09K 21/08 (2006.01)**

[25] EN

[54] **FLAME RETARDANT POLYMERIC COMPOSITION**

[54] **COMPOSITION DE POLYMERE RETARDATEUR DE FLAMME**

[72] MUNDRA, MANISH, US

[72] CHAUDHARY, BHARAT I., US

[72] GHOSH-DASTIDAR, ABHIJIT, US

[72] DREUX, PETER C., US

[71] DOW GLOBAL TECHNOLOGIES LLC, US

[85] 2019-03-06

[86] 2017-09-08 (PCT/US2017/050615)

[87] (WO2018/049117)

[30] US (62/384,907) 2016-09-08

[21] **3,035,962**
[13] A1

[51] **Int.Cl. H01Q 3/02 (2006.01) F16M 11/02 (2006.01) H01Q 1/28 (2006.01)**

[25] EN

[54] **ANTENNA POSITIONING MECHANISM**

[54] **MECANISME DE POSITIONNEMENT D'ANTENNE**

[72] PALMIERI, FRED WILLIAM, US

[71] RAYTHEON COMPANY, US

[85] 2019-03-06

[86] 2017-05-02 (PCT/US2017/030519)

[87] (WO2018/052490)

[30] US (15/265,289) 2016-09-14

[21] **3,035,963**
[13] A1

[51] **Int.Cl. G05B 19/418 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PRODUCING PRODUCTS BASED UPON DEMAND**

[54] **SYSTEME ET PROCEDE DE PRODUCTION DE PRODUITS SUR LA BASE DE LA DEMANDE**

[72] BURKHARD, RYAN ANDREW, US

[72] MOORE, NATHAN E., US

[72] FIKES, ELIZABETH MARIE, US

[72] ROYCE, DANIEL RICHARD, US

[72] BALLMAN, KYLE CHRISTOPHER, US

[72] TYSEN, JULIE ELIZABETH, US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2019-03-06

[86] 2017-09-08 (PCT/US2017/050626)

[87] (WO2018/049121)

[30] US (62/385,314) 2016-09-09

[21] **3,035,964**
[13] A1

[51] **Int.Cl. G01N 15/08 (2006.01) G01N 1/22 (2006.01) G01N 7/10 (2006.01) G01N 9/26 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR REMOTE MONITORING OF SOLID CONTAMINANT IN FLUIDS**

[54] **SYSTEME ET PROCEDE DE SURVEILLANCE A DISTANCE D'UN CONTAMINANT SOLIDE DANS DES FLUIDES**

[72] BURNS, JACK D., US

[72] JEANE, STEPHEN G., US

[72] STEVENS, JEREMY M., US

[71] PECOFACET (US), INC., US

[85] 2019-03-06

[86] 2017-09-01 (PCT/US2017/049835)

[87] (WO2018/048739)

[30] US (15/260,087) 2016-09-08

[21] **3,035,965**
[13] A1

[51] **Int.Cl. B65B 59/00 (2006.01) B65B 65/00 (2006.01) B65G 54/02 (2006.01) B67C 7/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR SIMULTANEOUSLY FILLING CONTAINERS WITH DIFFERENT FLUENT COMPOSITIONS**

[54] **SYSTEME ET PROCEDE DE REMPLISSAGE SIMULTANE DE RECIPIENTS AVEC DIFFERENTES COMPOSITIONS FLUIDES**

[72] BURKHARD, RYAN ANDREW, US

[72] MOORE, NATHAN E., US

[72] FIKES, ELIZABETH MARIE, US

[72] ROYCE, DANIEL RICHARD, US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2019-03-06

[86] 2017-09-08 (PCT/US2017/050631)

[87] (WO2018/049125)

[30] US (62/385,299) 2016-09-09

[21] **3,035,966**
[13] A1

[51] **Int.Cl. A61K 31/444 (2006.01) A61P 39/04 (2006.01)**

[25] EN

[54] **FORMULATIONS OF HYDROXYPYRIDONATE ACTINIDE/LANTHANIDE DECORPORATION AGENTS**

[54] **FORMULATIONS D'AGENTS DE DECORPORATION D'HYDROXYPYRIDONATE D'ACTINIDE/LANTHANIDE**

[72] ABERGEL, REBECCA J., US

[72] CHOI, TAYLOR A., US

[72] RAYMOND, KENNETH N., US

[72] SHUH, DAVID K., US

[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[85] 2019-03-06

[86] 2017-09-05 (PCT/US2017/050121)

[87] (WO2018/048812)

[30] US (62/384,087) 2016-09-06

[21] **3,035,967**
[13] A1

[51] **Int.Cl. B28B 7/16 (2006.01) B26F 1/08 (2006.01) B28B 11/12 (2006.01) B28B 19/00 (2006.01) B32B 13/14 (2006.01) E04C 2/04 (2006.01) B32B 38/04 (2006.01)**

[25] EN

[54] **GYPSUM BOARD WITH PERFORATED COVER SHEET AND SYSTEM AND METHOD FOR MANUFACTURING SAME**

[54] **PLAQUE DE PLATRE PRESENTANT UNE FEUILLE DE RECOUVREMENT PERFOREE ET SYSTEME ET PROCEDE POUR PRODUIRE CETTE DERNIERE**

[72] SHUBERT, DALE M., US

[72] SCHENCK, RONALD E., US

[72] ROWLAND, THOMAS GREGORY, US

[72] WILLI, JOHN MATTHEW, US

[71] UNITED STATES GYPSUM COMPANY, US

[85] 2019-03-06

[86] 2017-09-08 (PCT/US2017/050587)

[87] (WO2018/049093)

[30] US (62/385,062) 2016-09-08

[30] US (15/473,303) 2017-03-29

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[21] **3,035,968**
[13] A1

[51] **Int.Cl. G06Q 20/02 (2012.01) G06Q 20/22 (2012.01) G06Q 20/32 (2012.01)**

[25] EN

[54] **PROCESSING A MOBILE PAYLOAD**

[54] **TRAITEMENT D'UNE CHARGE UTILE DE MOBILE**

[72] PAULIN, ALAN, US
[72] WESTEN, PETER, US
[72] WELCH, SHAWN, US
[72] FEDERMAN, DANIEL, US
[72] GERSHUNOVSKY, MICHAEL, US
[72] OMOJOLA, AYOKUNLE, US
[71] SQUARE, INC., US
[85] 2019-03-06
[86] 2017-09-08 (PCT/US2017/050719)
[87] (WO2018/049185)
[30] US (62/393,504) 2016-09-12
[30] US (15/282,933) 2016-09-30
[30] US (15/282,833) 2016-09-30
[30] US (15/282,922) 2016-09-30

[21] **3,035,969**
[13] A1

[51] **Int.Cl. C01B 7/03 (2006.01) C01D 5/02 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING POTASSIUM SULFATE FROM POTASSIUM CHLORIDE AND SULFURIC ACID**

[54] **PROCEDE DE PRODUCTION DE SULFATE DE POTASSIUM A PARTIR DE CHLORURE DE POTASSIUM ET D'ACIDE SULFURIQUE**

[72] BESSENET, SEBASTIEN, US
[72] LE FLAMMEC, DIDIER, FR
[71] VEOLIA WATER TECHNOLOGIES, INC., US
[85] 2019-03-06
[86] 2017-09-06 (PCT/US2017/050156)
[87] (WO2018/052767)
[30] US (62/393,934) 2016-09-13

[21] **3,035,970**
[13] A1

[51] **Int.Cl. B64C 1/14 (2006.01) B64C 3/24 (2006.01) B64C 3/38 (2006.01) B64C 3/40 (2006.01) B64C 19/02 (2006.01) B64C 39/02 (2006.01) G01C 5/00 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR UNMANNED FLIGHT**

[54] **APPAREIL ET PROCEDE POUR VOL SANS PILOTE**

[72] CANTRELL, ROBERT L., US
[72] THOMPSON, JOHN P., US
[72] WINKLE, DAVID C., US
[72] ATCHLEY, MICHAEL D., US
[72] HIGH, DONALD R., US
[72] MATTINGLY, TODD D., US
[72] O'BRIEN, JOHN J., US
[72] SIMON, JOHN F., US
[71] WALMART APOLLO, LLC, US
[85] 2019-03-06
[86] 2017-09-06 (PCT/US2017/050216)
[87] (WO2018/048858)
[30] US (62/385,823) 2016-09-09

[21] **3,035,971**
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/454 (2006.01) C12Q 1/68 (2018.01)**

[25] EN

[54] **NONSELECTIVE METABOTROPIC GLUTAMATE RECEPTOR ACTIVATORS FOR TREATMENT OF ANOREXIA NERVOSA AND BINGE EATING DISORDER**

[54] **ACTIVATEURS NON SELECTIFS DU RECEPTEUR METABOTROPIQUE DU GLUTAMATE POUR LE TRAITEMENT DE L'ANOREXIE MENTALE ET DU TROUBLE DE LA FRENESIE ALIMENTAIRE**

[72] HAKONARSON, HAKON, US
[72] KAO, CHARLLY, US
[71] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US
[85] 2019-03-06
[86] 2017-09-06 (PCT/US2017/050228)
[87] (WO2018/048868)
[30] US (62/384,686) 2016-09-07

[21] **3,035,972**
[13] A1

[51] **Int.Cl. A61K 31/198 (2006.01) A61P 5/50 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF INSULIN RESISTANCE**

[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE LA RESISTANCE A L'INSULINE**

[72] MERALI, SALIM, US
[72] BARRERO, CARLOS A., US
[72] CHILDERS, WAYNE E., US
[72] MORTON, GEORGE C., US
[71] TEMPLE UNIVERSITY - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
[85] 2019-03-06
[86] 2017-09-07 (PCT/US2017/050462)
[87] (WO2018/049019)
[30] US (62/384,390) 2016-09-07

[21] **3,035,973**
[13] A1

[51] **Int.Cl. H04W 72/04 (2009.01)**

[25] EN

[54] **MULTI-CHANNEL SETUP MECHANISMS AND WAVEFORM DESIGNS FOR MILLIMETER WAVE (MMW) SYSTEMS**

[54] **MECANISMES DE REGLAGE DE CANAUX MULTIPLES ET CONCEPTIONS DE FORME D'ONDE POUR DES SYSTEMES A ONDES MILLIMETRIQUES (MMW)**

[72] LOU, HANQING, US
[72] SAHIN, ALPHAN, US
[72] OTERI, OGHENEKOME, US
[72] YANG, RUI, US
[71] INTERDIGITAL PATENT HOLDINGS, INC., US
[85] 2019-03-06
[86] 2017-09-08 (PCT/US2017/050772)
[87] (WO2018/049224)
[30] US (62/384,994) 2016-09-08

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[21] **3,035,974**
[13] A1

[51] **Int.Cl. B65D 88/12 (2006.01) B65D 88/00 (2006.01) B65D 88/30 (2006.01) B65D 88/32 (2006.01)**

[25] EN

[54] **INTERMODAL STORAGE AND TRANSPORTATION CONTAINER**

[54] **CONTENEUR DE STOCKAGE ET DE TRANSPORT UNIVERSEL**

[72] D'AGOSTINO, MARK JOHN, US

[72] D'AGOSTINO, SCOTT JOSEPH, US

[72] GUSEK, RONALD WILLIAM, US

[72] FISHER, MARC KEVIN, US

[71] PROPPANT EXPRESS SOLUTIONS, LLC, US

[85] 2019-03-06

[86] 2017-09-13 (PCT/US2017/051330)

[87] (WO2018/052980)

[30] US (15/264,328) 2016-09-13

[21] **3,035,975**
[13] A1

[51] **Int.Cl. E04B 1/94 (2006.01) E04B 2/74 (2006.01) E04F 13/08 (2006.01) E04F 17/00 (2006.01)**

[25] EN

[54] **SHAFTWALL SYSTEM USING FOLDED PANELS, AND PANEL SYSTEME D'ARBRE DE TRANSMISSION UTILISANT DES PANNEAUX PLIES, ET PANNEAU**

[72] ULLETT, JAMES M., US

[72] PUNATI, NAVEEN, US

[71] UNITED STATES GYPSUM COMPANY, US

[85] 2019-03-06

[86] 2017-09-08 (PCT/US2017/050576)

[87] (WO2018/049088)

[30] US (62/385,613) 2016-09-09

[30] US (15/653,283) 2017-07-18

[21] **3,035,976**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 45/06 (2006.01) C07D 311/36 (2006.01) C07D 405/06 (2006.01) C07D 413/08 (2006.01) C07D 413/10 (2006.01) C07D 413/14 (2006.01) C07D 473/34 (2006.01) C07D 473/38 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **COMBINATION OF AN ANTI-CD20 ANTIBODY, PI3 KINASE-DELTA INHIBITOR, AND ANTI-PD-1 OR ANTI-PD-L1 ANTIBODY FOR TREATING HEMATOLOGICAL CANCERS**

[54] **COMBINAISON D'UN ANTICORPS ANTI-CD20, D'UN INHIBITEUR DE PI3 KINASE-DELTA ET D'UN ANTICORPS ANTI-PD-1 OU ANTI-PD-L1 POUR LE TRAITEMENT DE CANCERS HEMATOLOGIQUES**

[72] WEISS, MICHAEL S., US

[72] MISKIN, HARI P., US

[72] SPORTELLI, PETER, US

[71] TG THERAPEUTICS, INC., US

[71] LABORATOIRE FRANCAIS DU FRACTIONNEMENT ET DES BIOTECHNOLOGIES, FR

[71] RHIZEN PHARMACEUTICALS SA, CH

[85] 2019-03-06

[86] 2017-09-08 (PCT/US2017/050825)

[87] (WO2018/049263)

[30] US (62/385,723) 2016-09-09

[21] **3,035,977**
[13] A1

[51] **Int.Cl. A61F 9/008 (2006.01) A61B 3/107 (2006.01)**

[25] EN

[54] **EYE TISSUE MEASUREMENTS**

[54] **MESURES DE TISSU OCULAIRE**

[72] MALEK TABRIZI, ALIREZA, US

[72] LIU, HARVEY I., US

[72] FU, HONG, US

[71] AMO DEVELOPMENT, LLC, US

[85] 2019-03-06

[86] 2017-09-08 (PCT/US2017/050827)

[87] (WO2018/049265)

[30] US (62/385,167) 2016-09-08

[21] **3,035,978**
[13] A1

[51] **Int.Cl. B60P 3/00 (2006.01) B60P 3/14 (2006.01) G01N 23/22 (2018.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR ANALYZING CORE USING X-RAY FLUORESCENCE**

[54] **SYSTEMES ET PROCEDES D'ANALYSE DE CAROTTE PAR FLUORESCENCE X**

[72] KANCK, PETER, AU

[72] ZAWADZKI, RY, AU

[71] BLY IP, INC., US

[85] 2019-03-06

[86] 2017-09-09 (PCT/US2017/050849)

[87] (WO2018/049281)

[30] US (62/385,641) 2016-09-09

[21] **3,035,979**
[13] A1

[51] **Int.Cl. C11D 1/00 (2006.01) C11D 3/00 (2006.01) C11D 17/06 (2006.01)**

[25] EN

[54] **DETERGENT COMPOSITION IN THE FORM OF A SHEET**

[54] **COMPOSITION DETERGENTE SE PRESENTANT SOUS FORME DE FEUILLE**

[72] ASTETE BOETTCHER, ROBERTO, CL

[71] SOLUBAG SPA, CL

[85] 2019-03-05

[86] 2017-09-05 (PCT/CL2017/000028)

[87] (WO2018/045478)

[30] CL (2241-2016) 2016-09-06

[21] **3,035,980**
[13] A1

[51] **Int.Cl. A23L 2/00 (2006.01) A23L 27/00 (2016.01) A23L 27/21 (2016.01) A23L 33/175 (2016.01) A23L 2/10 (2006.01) A23L 2/56 (2006.01) A23L 2/60 (2006.01) A23L 2/68 (2006.01)**

[25] EN

[54] **FLAVORED BEVERAGES**

[54] **BOISSONS AROMATISEES**

[72] MARSHALL-HILL, GEOFF, GB

[72] BLANCHER, GUILLAUME JEAN RAYMOND, US

[72] CASTO, ALLISON PATRICIA, US

[72] LINCH, STEPHANIE ANN SANDER, US

[71] GIVAUDAN SA, CH

[85] 2019-03-05

[86] 2017-09-13 (PCT/EP2017/072975)

[87] (WO2018/050673)

[30] US (15/267,127) 2016-09-15

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[21] **3,035,981**
[13] A1

[51] **Int.Cl. C12N 15/80 (2006.01)**
[25] EN
[54] **METHOD FOR SELECTIVE CARBON SOURCE-INDEPENDENT EXPRESSION OF PROTEIN-ENCODING SEQUENCES IN A FILAMENTOUS FUNGUS CELL**
[54] **METHODE D'EXPRESSION SELECTIVE INDEPENDANTE DE LA SOURCE DE CARBONE DE SEQUENCES DE CODAGE DE PROTEINES DANS UNE CELLULE FILAMENTEUX**
[72] GAMAUF, CHRISTIAN, DE
[72] SCHIRRMACHER, GEORG, DE
[72] SEIBOTH, BERNHARD, AT
[72] KUBICEK, CHRISTIAN P., AT
[72] BISCHOF, ROBERT, AT
[71] CLARIANT INTERNATIONAL LTD, CH
[85] 2019-03-05
[86] 2017-09-19 (PCT/EP2017/073681)
[87] (WO2018/054924)
[30] EP (16189598.2) 2016-09-20

[21] **3,035,982**
[13] A1

[51] **Int.Cl. B22F 3/105 (2006.01) B29C 64/153 (2017.01) B29C 67/00 (2017.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A PART OF ELECTROCONDUCTIVE MATERIAL BY ADDITIVE MANUFACTURING**
[54] **PROCEDE DE FABRICATION D'UNE PIECE EN MATERIAU ELECTROCONDUCTEUR PAR FABRICATION ADDITIVE**
[72] LAURENSAN, FREDERIC, FR
[71] SAFRAN, FR
[85] 2019-03-05
[86] 2017-09-07 (PCT/FR2017/052385)
[87] (WO2018/046862)
[30] FR (1658344) 2016-09-08

[21] **3,035,983**
[13] A1

[51] **Int.Cl. H01B 1/06 (2006.01) H01M 8/0239 (2016.01) H01M 8/1039 (2016.01) C08J 5/22 (2006.01) C25B 13/08 (2006.01) H01B 1/12 (2006.01) H01M 8/18 (2006.01)**
[25] EN
[54] **POLYMER ELECTROLYTE MEMBRANE AND METHOD FOR PRODUCING THE SAME**
[54] **MEMBRANE ELECTROLYTIQUE POLYMERE SOLIDE ET SON PROCEDE DE FABRICATION**
[72] INOUE, YUICHI, JP
[72] ISHII, TAKUMI, JP
[71] ASAHI KASEI KABUSHIKI KAISHA, JP
[85] 2019-03-05
[86] 2017-09-07 (PCT/JP2017/032367)
[87] (WO2018/047925)
[30] JP (2016-175772) 2016-09-08

[21] **3,035,984**
[13] A1

[51] **Int.Cl. G01N 37/00 (2006.01) H04W 84/10 (2009.01) H04W 4/38 (2018.01) H04W 4/80 (2018.01) F04B 53/00 (2006.01) F17D 5/00 (2006.01)**
[25] EN
[54] **LIQUID DETECTION DEVICE WITH WIRELESS COMMUNICATOR**
[54] **DISPOSITIF DE DETECTION DE LIQUIDE AVEC DISPOSITIF DE COMMUNICATION SANS FIL**
[72] GRUMSTRUP, BRUCE F., US
[71] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2019-03-05
[86] 2017-09-01 (PCT/US2017/049803)
[87] (WO2018/048732)
[30] US (15/258,075) 2016-09-07

[21] **3,035,985**
[13] A1

[51] **Int.Cl. C08G 18/76 (2006.01) C08G 18/16 (2006.01) C08G 18/18 (2006.01) C08G 18/20 (2006.01) C08G 18/40 (2006.01) C08G 18/48 (2006.01) C08G 18/63 (2006.01)**
[25] EN
[54] **POLYURETHANE FOAMS HAVING SUFFICIENT HARDNESS AND GOOD FLEXIBILITY**
[54] **MOUSSES DE POLYURETHANE AYANT UNE DURETE SUFFISANTE ET UNE BONNE FLEXIBILITE**
[72] ELEN, RAF, BE
[72] VAN ESSCHE, LUC, BE
[71] HUNTSMAN INTERNATIONAL LLC, US
[85] 2019-03-05
[86] 2017-08-22 (PCT/EP2017/071116)
[87] (WO2018/054633)
[30] EP (16190348.9) 2016-09-23

[21] **3,035,986**
[13] A1

[51] **Int.Cl. E02D 17/13 (2006.01) E02D 7/22 (2006.01) E02D 17/00 (2006.01)**
[25] EN
[54] **METHOD AND CONSTRUCTION APPARATUS FOR WORKING THE SOIL**
[54] **PROCEDE ET MACHINE DE CONSTRUCTION POUR LE TRAVAIL DU SOL**
[72] DAUBNER, MARCUS, DE
[71] BAUER SPEZIALTIEFBAU GMBH, DE
[85] 2019-03-06
[86] 2017-06-28 (PCT/EP2017/065982)
[87] (WO2018/054566)
[30] EP (16189878.8) 2016-09-21

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[21] **3,035,987**
[13] A1

[51] **Int.Cl. G01N 33/49 (2006.01) G01N 11/14 (2006.01)**
[25] EN
[54] **MEASURING DEVICE FOR VISCOMETRIC ANALYSIS ON A BIOLOGICAL FLUID**
[54] **DISPOSITIF DE MESURE POUR ANALYSE VISCOMETRIQUE SUR UN FLUIDE BIOLOGIQUE**
[72] RANUCCI, MARCO, IT
[72] NAPOLITANO, FRANCESCO, IT
[72] SCORZIELLO, FRANCO, IT
[71] VISCOP S.R.L., IT
[85] 2019-03-06
[86] 2017-09-06 (PCT/IB2017/055359)
[87] (WO2018/047070)
[30] IT (102016000090231) 2016-09-06

[21] **3,035,988**
[13] A1

[51] **Int.Cl. B65B 13/02 (2006.01) B65B 17/02 (2006.01) B65B 27/04 (2006.01)**
[25] EN
[54] **PLANT FOR APPLYING STRAPS TO A GROUP OF CONTAINERS SUCH AS BOTTLES OR THE LIKE**
[54] **UNITE D'APPLICATION DE SANGLES SUR UN GROUPE DE RECIPIENTS TELS QUE DES BOUTEILLES OU ANALOGUES**
[72] RIBI, LEON, CH
[71] RIBI LIMITED, GB
[85] 2019-03-06
[86] 2016-10-07 (PCT/IB2016/056013)
[87] (WO2018/065810)

[21] **3,035,989**
[13] A1

[51] **Int.Cl. C07C 319/06 (2006.01) A61K 31/16 (2006.01) A61P 35/00 (2006.01) C07C 319/12 (2006.01) C07C 321/04 (2006.01)**
[25] EN
[54] **AMINO MERCAPTAN COMPOUND AND PREPARATION METHOD THEREFOR AND USE THEREOF IN PROTECTION AGAINST RADIATION**
[54] **COMPOSE AMINOMERCAPTAN, SON PROCEDE DE PREPARATION ET SON UTILISATION DANS LA PROTECTION CONTRE LE RAYONNEMENT**
[72] TIAN, HONGQI, CN
[72] CHENG, YING, CN
[72] ZHANG, QIANRU, CN
[72] ZHU, ZHIMEI, CN
[72] WANG, YUEYING, CN
[71] INST OF RADIATION MEDICINE CHINESE ACAD OF MEDICAL SCIENCES, CN
[85] 2019-03-05
[86] 2017-09-01 (PCT/CN2017/100158)
[87] (WO2018/041245)
[30] CN (201610802313.8) 2016-09-05

[21] **3,035,990**
[13] A1

[51] **Int.Cl. B60F 1/04 (2006.01)**
[25] EN
[54] **RAILWAY TRACTION VEHICLE WITH VARIABLE TRACTION**
[54] **VEHICULE DE TRACTION FERROVIAIRE A TRACTION VARIABLE**
[72] KROLS, DIRK, BE
[71] RENTALOC BESLOTEN VENNOOTSCHAP MET BEPERKTE AANSPRAKELIJKHEID, BE
[85] 2019-03-06
[86] 2017-09-12 (PCT/BE2017/000040)
[87] (WO2018/049488)
[30] BE (2016/5693) 2016-09-13

[21] **3,035,992**
[13] A1

[51] **Int.Cl. G01F 15/08 (2006.01) G01F 1/74 (2006.01)**
[25] EN
[54] **GAS SEPARATOR AND APPARATUS FOR MEASURING FLOW OF ONE OR MORE COMPONENTS OF A MULTIPHASE MEDIUM, ESPECIALLY A NATURAL GAS-WATER MIXTURE**
[54] **SEPARATEUR DE GAZ ET DISPOSITIF PERMETTANT DE DETERMINER UN DEBIT D'UN OU DE PLUSIEURS COMPOSANTS D'UN MILIEU POLYPHASE, EN PARTICULIER D'UN MELANGE DE GAZ NATUREL ET D'EAU**
[72] HOROBA, GUIDO, DE
[72] ZEISLMEIER, HELMUT, DE
[72] DRAHM, WOLFGANG, DE
[72] HOCKER, RAINER, DE
[71] ENDRESS+HAUSER FLOWTEC AG, CH
[85] 2019-03-06
[86] 2017-08-23 (PCT/EP2017/071222)
[87] (WO2018/046299)
[30] DE (10 2016 116 989.7) 2016-09-09

[21] **3,035,998**
[13] A1

[51] **Int.Cl. A47J 43/046 (2006.01) A47J 43/07 (2006.01)**
[25] EN
[54] **FOOD PROCESSOR**
[54] **ROBOT MENAGER**
[72] FAN, QIAN, CN
[72] ZENG, XIANGHE, CN
[72] XU, JIANFEI, CN
[71] GUANGDONG MIDEA CONSUMER ELECTRICS MANUFACTURING CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2019-03-06
[86] 2016-11-29 (PCT/CN2016/107801)
[87] (WO2018/076435)
[30] CN (201610968428.4) 2016-10-28
[30] CN (201621186043.4) 2016-10-28
[30] CN (201610971493.2) 2016-10-28
[30] CN (201621195265.2) 2016-10-28

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[21] **3,036,001**
[13] A1

[51] **Int.Cl. F21V 21/28 (2006.01) A61B 90/30 (2016.01) F21V 21/40 (2006.01) F21V 23/04 (2006.01)**

[25] EN

[54] **SURGICAL LIGHT HAVING MEANS FOR MEASURING DISTANCE**

[54] **SCIALYTIQUE COMPRENANT DES MOYENS DE MESURE DE DISTANCE**

[72] STROLIN, JOACHIM, DE

[71] KARL LEIBINGER MEDIZINTECHNIK GMBH & CO. KG, DE

[85] 2019-03-06

[86] 2017-08-29 (PCT/EP2017/071593)

[87] (WO2018/046339)

[30] DE (10 2016 117 067.4) 2016-09-12

[21] **3,036,002**
[13] A1

[51] **Int.Cl. A47J 43/046 (2006.01) A47J 43/07 (2006.01)**

[25] EN

[54] **FOOD PROCESSOR**

[54] **ROBOT MENAGER**

[72] FAN, QIAN, CN

[72] ZENG, XIANGHE, CN

[72] XU, JIANFEI, CN

[71] GUANGDONG MIDEA CONSUMER ELECTRICS MANUFACTURING CO., LTD., CN

[71] MIDEA GROUP CO., LTD., CN

[85] 2019-03-06

[86] 2016-11-29 (PCT/CN2016/107802)

[87] (WO2018/076436)

[30] CN (201610973069.1) 2016-10-28

[30] CN (201621197386.0) 2016-10-28

[30] CN (201610963076.3) 2016-10-28

[30] CN (201621189881.7) 2016-10-28

[21] **3,036,004**
[13] A1

[51] **Int.Cl. A61F 9/007 (2006.01) A61M 1/00 (2006.01)**

[25] EN

[54] **SYSTEM FOR PERFORMING A PHACOEMULSIFICATION**

[54] **SYSTEME POUR REALISER UNE PHACO-EMULSIFICATION**

[72] KERKHOFF, FRANCISCUS THEODORUS, NL

[72] KLOMP, MANFRED, NL

[71] FRITZ RUCK OPHTHALMOLOGISCHE SYSTEME GMBH, DE

[85] 2019-03-06

[86] 2017-09-01 (PCT/EP2017/071938)

[87] (WO2018/050451)

[30] EP (16188792.2) 2016-09-14

[21] **3,036,006**
[13] A1

[51] **Int.Cl. H04W 4/00 (2018.01) H04W 4/02 (2018.01) H04W 4/06 (2009.01) H04W 72/00 (2009.01) G06Q 20/32 (2012.01) G06Q 30/02 (2012.01)**

[25] EN

[54] **PROXIMITY DETECTION UTILISING LOCATION BEACONS**

[54] **DETECTION DE PROXIMITE UTILISANT DES BALISES DE LOCALISATION**

[72] TYERS, MARK, GB

[71] COVENTRY UNIVERSITY, GB

[85] 2019-03-06

[86] 2017-09-05 (PCT/GB2017/052571)

[87] (WO2018/046902)

[30] GB (1615271.2) 2016-09-08

[21] **3,036,007**
[13] A1

[51] **Int.Cl. G06F 21/56 (2013.01)**

[25] EN

[54] **METHOD FOR IDENTIFYING AND REMOVING MALICIOUS SOFTWARE**

[54] **PROCEDE D'IDENTIFICATION ET D'ELIMINATION DE LOGICIELS MALVEILLANTS**

[72] LOVELACE, AARON FORD, US

[72] THOMPSON, CIARAN SEOIRSE, US

[72] MARKOWITZ, STEVEN MICHAEL, US

[71] BEESTRIPE LLC, US

[85] 2019-03-06

[86] 2017-06-16 (PCT/IB2017/053606)

[87] (WO2017/216774)

[30] US (62/350,963) 2016-06-16

[21] **3,036,011**
[13] A1

[51] **Int.Cl. A61K 47/14 (2017.01) A61K 9/08 (2006.01) A61K 31/4166 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION COMPRISING AN ANDROGEN RECEPTOR INHIBITOR**

[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT UN INHIBITEUR DU RECEPTEUR DES ANDROGENES**

[72] PATEL, NILESHKUMAR BHIKHABHAI, IN

[72] GURJAR, LALCHAND DATARAM, IN

[72] MANDAL, JAYANTA KUMAR, IN

[71] FTF PHARMA PRIVATE LIMITED, IN

[85] 2019-03-06

[86] 2017-08-14 (PCT/IB2017/054945)

[87] (WO2018/037310)

[30] IN (201621028407) 2016-08-20

[21] **3,036,018**
[13] A1

[51] **Int.Cl. C07D 231/14 (2006.01) A01N 43/56 (2006.01) A01P 3/00 (2006.01)**

[25] EN

[54] **IMIDE COMPOUND AND USE THEREOF**

[54] **COMPOSE IMIDE ET UTILISATION DE CELUI-CI**

[72] TANIMOTO, MASAYA, JP

[72] DOTA, KOICHIRO, JP

[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP

[85] 2019-03-06

[86] 2017-08-29 (PCT/JP2017/030861)

[87] (WO2018/047670)

[30] JP (2016-174381) 2016-09-07

[30] JP (2016-229797) 2016-11-28

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[21] **3,036,027**
[13] A1

[51] **Int.Cl. B60W 20/17 (2016.01) B60K 6/485 (2007.10) B60W 10/08 (2006.01)**
[25] EN
[54] **CONTROL METHOD AND CONTROL DEVICE FOR HYBRID VEHICLE**
[54] **PROCEDE DE COMMANDE ET DISPOSITIF DE COMMANDE DE VEHICULE HYBRIDE**
[72] KONDO, SHINPEI, JP
[72] IENAKA, YUSUKE, JP
[72] KANEKO, HIROTAKA, JP
[72] ITO, TOMOHIRO, JP
[72] SATOU, YUUSUKE, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2019-03-06
[86] 2016-09-06 (PCT/JP2016/076133)
[87] (WO2018/047224)

[21] **3,036,033**
[13] A1

[51] **Int.Cl. H04L 27/20 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR RECEIVING TD-ALTBLOC SIGNAL**
[54] **PROCEDE ET APPAREIL DE RECEPTION DE SIGNAL TD-ALTBLOC**
[72] TANG, ZUPING, CN
[72] WEI, JIAOLONG, CN
[72] XIAO, XUAN, CN
[72] LI, TIAN, CN
[71] HUAZHONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, CN
[85] 2019-03-06
[86] 2017-01-19 (PCT/CN2017/071719)
[87] (WO2018/103186)
[30] CN (2016111241975) 2016-12-08

[21] **3,036,034**
[13] A1

[51] **Int.Cl. F41A 9/61 (2006.01) F41A 17/46 (2006.01)**
[25] EN
[54] **SAFETY MECHANISM FOR FIREARMS**
[54] **MECANISME DE SECURITE POUR ARMES A FEU**
[72] BIRAN, DANIEL, IL
[72] KOTZER, OMER, IL
[71] CLIPFORT, LTD., IL
[85] 2019-03-06
[86] 2017-09-07 (PCT/IB2017/055382)
[87] (WO2018/047086)
[30] US (15/258,276) 2016-09-07

[21] **3,036,035**
[13] A1

[51] **Int.Cl. C07F 19/00 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING SILYL PHOSPHINE COMPOUND AND SILYL PHOSPHINE COMPOUND**
[54] **PROCEDE DE FABRICATION D'UN COMPOSE DE PHOSPHINE SILYLE ET COMPOSE DE SILYLE-PHOSPHINE**
[72] TAKUBO, YOSUKE, JP
[72] TAMURA, KEN, JP
[71] NIPPON CHEMICAL INDUSTRIAL CO., LTD., JP
[85] 2019-03-06
[86] 2017-09-19 (PCT/JP2017/033724)
[87] (WO2018/061869)
[30] JP (2016-191858) 2016-09-29

[21] **3,036,037**
[13] A1

[51] **Int.Cl. B61L 23/04 (2006.01) B61L 15/00 (2006.01)**
[25] EN
[54] **A RAILWAY TRACK CONDITION MONITORING SYSTEM FOR DETECTING A PARTIAL OR COMPLETE DISRUPTION OF A RAIL OF THE RAILWAY TRACK**
[54] **SYSTEME DE SURVEILLANCE DE L'ETAT DES VOIES FERREES PERMETTANT DE DETECTER UNE INTERRUPTION PARTIELLE OU COMPLETE D'UN RAIL DE LA VOIE FERREE**
[72] LANG, DOMINIK, NO
[71] WAVETRAIN SYSTEMS AS, NO
[85] 2019-03-06
[86] 2017-09-06 (PCT/NO2017/050218)
[87] (WO2018/048308)
[30] NO (20161424) 2016-09-07

[21] **3,036,039**
[13] A1

[51] **Int.Cl. B29B 17/02 (2006.01) B29B 17/04 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING POLYOLEFIN RECYCLATES**
[54] **PROCEDE DE PRODUCTION DE PRODUITS DE RECYCLAGE DE POLYOLEFINE**
[72] HEYDE, MICHAEL, DE
[72] WIETHOFF, STEFAN, DE
[72] SCHWARZ-HILGENFELD, INES, DE
[72] BORCHERS, BRYAN-CODY, DE
[72] RABANIZADA, NABILA, DE
[72] RAMSEL, ANNA, DE
[71] DER GRUNE PUNKT - DUALES SYSTEM DEUTSCHLAND GMBH, DE
[85] 2019-03-06
[86] 2017-09-07 (PCT/EP2017/072420)
[87] (WO2018/046578)
[30] DE (10 2016 116 742.8) 2016-09-07

[21] **3,036,041**
[13] A1

[51] **Int.Cl. A61K 31/19 (2006.01) A61K 36/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING ACIDIC EXTRACTS OF MASTIC GUM AND USES THEREOF FOR TREATING OPTIC NEUROPATHY**
[54] **COMPOSITIONS COMPRENANT DES EXTRAITS ACIDES DE GOMME DE MASTIC ET LEURS UTILISATIONS POUR TRAITER UNE NEUROPATHIE OPTIQUE**
[72] HAZAN, ZADIK, IL
[72] LUCASSEN, ANDRE C.B., IL
[72] ADAMSKY, KONSTANTIN, IL
[71] REGENERA PHARMA LTD., IL
[85] 2019-03-06
[86] 2017-09-07 (PCT/IL2017/051008)
[87] (WO2018/047176)
[30] US (62/384,718) 2016-09-08

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[21] **3,036,051**
[13] A1

[51] **Int.Cl. G01N 21/64 (2006.01) G01N 33/50 (2006.01) G01N 33/533 (2006.01)**

[25] EN

[54] **NANODIAMOND PARTICLES AND RELATED DEVICES AND METHODS**

[54] **PARTICULES DE NANODIAMANT, DISPOSITIFS ET PROCEDES ASSOCIES**

[72] FEUERSTEIN, GIORA Z., US

[72] STERNBERG, MARK E., US

[71] DEBINA DIAGNOSTICS, INC., US

[85] 2019-03-06

[86] 2017-09-06 (PCT/US2017/050257)

[87] (WO2018/048887)

[30] US (62/383,657) 2016-09-06

[30] US (62/522,036) 2017-06-19

[21] **3,036,053**
[13] A1

[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/53 (2006.01)**

[25] EN

[54] **TABLET COMPOSITIONS**

[54] **COMPOSITIONS DE COMPRIMES**

[72] BHAT, SREENIVAS S., US

[72] BURNSIDE, SCOTT, US

[72] PARIKH, DARSHAN, US

[72] GU, CHONG-HUI, US

[72] ALTAF, SYED, US

[71] CELGENE CORPORATION, US

[71] AGIOS PHARMACEUTICALS, INC., US

[85] 2019-03-06

[86] 2017-09-06 (PCT/US2017/050202)

[87] (WO2018/048847)

[30] US (62/384,643) 2016-09-07

[30] US (62/535,162) 2017-07-20

[21] **3,036,054**
[13] A1

[51] **Int.Cl. H01L 27/18 (2006.01) H01L 23/00 (2006.01) H01L 25/065 (2006.01)**

[25] EN

[54] **REDUCING LOSS IN STACKED QUANTUM DEVICES**

[54] **REDUCTION DE LA PERTE DANS DES DISPOSITIFS QUANTIQUES EMPILES**

[72] WHITE, THEODORE CHARLES, US

[71] GOOGLE LLC, US

[85] 2019-03-06

[86] 2016-09-13 (PCT/US2016/051510)

[87] (WO2018/052399)

[21] **3,036,055**
[13] A1

[51] **Int.Cl. E05B 17/10 (2006.01) E05B 41/00 (2006.01)**

[25] EN

[54] **BORED LOCK OCCUPANCY INDICATOR**

[54] **INDICATEUR D'OCCUPATION DE SERRURE ENCASTREE**

[72] VOELKER, CHRISTINE E., US

[71] SARGENT MANUFACTURING COMPANY, US

[85] 2019-03-06

[86] 2017-09-07 (PCT/US2017/050477)

[87] (WO2018/049028)

[30] US (62/384,570) 2016-09-07

[21] **3,036,057**
[13] A1

[51] **Int.Cl. H05B 37/02 (2006.01) F21V 29/00 (2015.01) G05B 11/01 (2006.01)**

[25] EN

[54] **INTELLIGENT LIGHTING CONTROL SYSTEM TEMPERATURE CONTROL APPARATUSES, SYSTEMS, AND METHODS**

[54] **APPAREILS, SYSTEMES ET PROCEDES DE REGULATION DE LA TEMPERATURE D'UN SYSTEME DE COMMANDE D'ECLAIRAGE INTELLIGENT**

[72] LARK, WILLIAM, JR., US

[72] CHARLTON, ERIK ALLEN, US

[71] NOON HOME, INC., US

[85] 2019-03-06

[86] 2017-09-06 (PCT/US2017/050266)

[87] (WO2018/048893)

[30] US (62/383,755) 2016-09-06

[21] **3,036,058**
[13] A1

[51] **Int.Cl. H01J 49/04 (2006.01) G01N 33/00 (2006.01) H01J 49/16 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR ANALYSING A CHEMICAL COMPOSITION OF AEROSOL PARTICLES**

[54] **APPAREIL ET PROCEDE D'ANALYSE DE COMPOSITION CHIMIQUE DE PARTICULES D'AEROSOL**

[72] LOPEZ-HILFIKER, FELIPE, CH

[72] GONIN, MARC, CH

[72] CUBISON, MIKE, CH

[71] TOFWERK AG, CH

[85] 2019-03-06

[86] 2017-09-07 (PCT/EP2017/072510)

[87] (WO2018/046619)

[30] EP (PCT/EP2016/071120) 2016-09-07

[21] **3,036,061**
[13] A1

[51] **Int.Cl. H05B 37/02 (2006.01) G05B 11/01 (2006.01)**

[25] EN

[54] **INTELLIGENT LIGHTING CONTROL SYSTEM AUTOMATED ADJUSTMENT APPARATUSES, SYSTEMS, AND METHODS**

[54] **APPAREILS, SYSTEMES ET PROCEDES DE REGLAGE AUTOMATISE DE SYSTEME DE COMMANDE D'ECLAIRAGE INTELLIGENT**

[72] CHARLTON, ERIK ALLEN, US

[72] LARK, WILLIAM, JR., US

[72] CHEUNG, ANN CLAIRE LIM CHI, US

[71] NOON HOME, INC., US

[85] 2019-03-06

[86] 2017-09-06 (PCT/US2017/050268)

[87] (WO2018/048894)

[30] US (62/383,735) 2016-09-06

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[21] **3,036,062**
[13] A1

[51] **Int.Cl. A61K 31/4439 (2006.01) A61P 19/00 (2006.01) A61P 35/00 (2006.01) C07D 401/12 (2006.01)**

[25] EN

[54] **USES OF A LYSYL OXIDASE-LIKE 2 INHIBITOR**

[54] **UTILISATIONS D'UN INHIBITEUR D'HOMOLOGUE 2 DE LYSYL-OXYDASE**

[72] BAIN, GRETCHEN, US
[72] EVANS, JILLIAN FRANCES, US
[72] MACKENNA, DEIDRE A., US
[72] HUTCHINSON, JOHN HOWARD, US
[71] PHARMAKEA, INC., US
[85] 2019-03-05
[86] 2017-09-06 (PCT/US2017/050331)
[87] (WO2018/048942)
[30] US (62/384,542) 2016-09-07
[30] US (62/509,460) 2017-05-22

[21] **3,036,064**
[13] A1

[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/4439 (2006.01)**

[25] EN

[54] **CRYSTALLINE FORMS OF A LYSYL OXIDASE-LIKE 2 INHIBITOR AND METHODS OF MAKING**

[54] **FORMES CRISTALLINES D'UN INHIBITEUR DE LYSYL OXYDASE DE TYPE 2 ET LEURS PROCEDES DE FABRICATION**

[72] LONERGAN, DAVID, US
[72] HOLME, KEVIN ROSS, US
[72] ROWBOTTOM, MARTIN W., US
[71] PHARMAKEA, INC., US
[85] 2019-03-05
[86] 2017-09-06 (PCT/US2017/050332)
[87] (WO2018/048943)
[30] US (62/384,596) 2016-09-07

[21] **3,036,065**
[13] A1

[51] **Int.Cl. A01N 43/90 (2006.01) A01N 43/80 (2006.01)**

[25] EN

[54] **CRYSTALLINE FORMS OF THERAPEUTIC COMPOUNDS AND USES THEREOF**

[54] **FORMES CRISTALLINES DE COMPOSES THERAPEUTIQUES ET LEURS UTILISATIONS**

[72] NGUYEN, MINH NGOC, US
[72] ONG, WINSTON ZAPANTA, US
[71] KALA PHARMACEUTICALS, INC., US
[85] 2019-03-06
[86] 2017-09-01 (PCT/US2017/049914)
[87] (WO2018/048746)
[30] US (62/385,148) 2016-09-08

[21] **3,036,066**
[13] A1

[51] **Int.Cl. C02F 1/463 (2006.01) C02F 1/467 (2006.01)**

[25] EN

[54] **DEVICE AND PROCESS FOR ELECTROCOAGULATION**

[54] **DISPOSITIF ET PROCEDE D'ELECTROCOAGULATION**

[72] UNGER, KYLE, US
[72] TANDUKAR, MADAN, US
[72] ENDLER, PAUL, US
[71] HOGANAS AB (PUBL), SE
[85] 2019-03-06
[86] 2017-09-08 (PCT/EP2017/072549)
[87] (WO2018/046641)
[30] US (62/385,697) 2016-09-09
[30] EP (16194603.3) 2016-10-19

[21] **3,036,067**
[13] A1

[51] **Int.Cl. G06N 3/04 (2006.01)**

[25] EN

[54] **GENERATING AUDIO USING NEURAL NETWORKS**

[54] **GENERATION D'AUDIO A L'AIDE DE RESEAUX NEURONAUX**

[72] VAN DEN OORD, AARON GERARD ANTONIUS, GB
[72] DIELEMAN, SANDER ETIENNE LEA, GB
[72] KALCHBRENNER, NAL EMMERICH, GB
[72] SIMONYAN, KAREN, GB
[72] VINYALS, ORIOL, GB
[71] DEEPMIND TECHNOLOGIES LIMITED, GB
[85] 2019-03-06
[86] 2017-09-06 (PCT/US2017/050320)
[87] (WO2018/048934)
[30] US (62/384,115) 2016-09-06

[21] **3,036,068**
[13] A1

[51] **Int.Cl. A61K 31/27 (2006.01) A61K 45/06 (2006.01) C07C 275/60 (2006.01)**

[25] EN

[54] **FORMULATIONS OF (R)-2-AMINO-3-PHENYLPROPYL CARBAMATE**

[54] **FORMULATIONS DE (R)-2-AMINO-3-PHENYLPROPYL-CARBAMATE**

[72] ALLPHIN, CLARK PATRICK, US
[72] WALSH, EDWIN GERARD, IE
[71] JAZZ PHARMACEUTICALS INTERNATIONAL III LIMITED, BM
[85] 2019-03-06
[86] 2017-09-06 (PCT/US2017/050221)
[87] (WO2018/048862)
[30] US (62/383,818) 2016-09-06
[30] US (15/695,913) 2017-09-05

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[21] **3,036,069**
[13] A1

[51] **Int.Cl. F16J 15/06 (2006.01) F16J 15/00 (2006.01) F16J 15/02 (2006.01) F16J 15/10 (2006.01)**

[25] EN

[54] **SEALANT HAVING FIREWORTHY PROPERTIES FOR USE WITH AIRCRAFT PARTS**

[54] **MATERIAU D'ETANCHEITE POSSEDANT DES PROPRIETES DE RESISTANCE AU FEU DESTINE A ETRE UTILISE AVEC DES PIECES D'AERONEF**

[72] SIBELLO, PETER, US
[72] BUSBY, JEFF, US
[72] KNIGHT, CHAD, US
[72] BOOMER, KENT, US
[72] BOYD, MATT, US
[71] THE PATENT WELL LLC, US
[85] 2019-03-06
[86] 2017-09-06 (PCT/US2017/050336)
[87] (WO2018/048946)
[30] US (62/383,889) 2016-09-06

[21] **3,036,070**
[13] A1

[51] **Int.Cl. G02B 6/44 (2006.01) G02B 6/38 (2006.01)**

[25] EN

[54] **FIBER OPTIC SPLITTER TERMINAL FOR A DISTRIBUTED-SPLIT FIBER OPTIC DISTRIBUTION NETWORK**

[54] **TERMINAL DE DIVISEUR A FIBRE OPTIQUE POUR UN RESEAU DE DISTRIBUTION A FIBRE OPTIQUE A DIVISION REPARTIE**

[72] BURKETT, ALAN DUNCAN, US
[72] DE JESUS, LEYDYS DENISS, US
[72] HENLEY, JOSHUA DAVID, US
[72] LANDRUM, TRAMPUS LEE, US
[72] OZUNA, ANDREA MARIE, US
[72] WILLIAMS, ANTHONY LYNN, US
[71] CORNING RESEARCH AND DEVELOPMENT CORPORATION, US
[85] 2019-03-06
[86] 2017-09-05 (PCT/US2017/050090)
[87] (WO2018/048803)
[30] US (62/383,756) 2016-09-06

[21] **3,036,071**
[13] A1

[51] **Int.Cl. A61K 31/27 (2006.01) A61P 3/04 (2006.01) A61P 25/00 (2006.01) C07C 275/60 (2006.01)**

[25] EN

[54] **SOLVATE FORM OF (R)-2-AMINO-3-PHENYLPROPYL CARBAMATE**

[54] **FORME SOLVATE DE (R)-2-AMINO-3-PHENYLPROPYL CARBAMATE**

[72] NELSON, JENNIFER LEIGH, US
[72] HURLEY, FIONN, IE
[71] JAZZ PHARMACEUTICALS INTERNATIONAL III LIMITED, BM
[71] SK BIOPHARMACEUTICALS, CO., LTD., KR
[85] 2019-03-06
[86] 2017-09-06 (PCT/US2017/050233)
[87] (WO2018/048871)
[30] US (62/383,822) 2016-09-06

[21] **3,036,072**
[13] A1

[51] **Int.Cl. C12M 3/00 (2006.01) A01N 63/00 (2006.01) C05F 11/08 (2006.01) C07K 17/00 (2006.01) C12M 1/34 (2006.01)**

[25] EN

[54] **DISTRIBUTED SYSTEMS FOR THE EFFICIENT PRODUCTION AND USE OF MICROBE-BASED COMPOSITIONS**

[54] **SYSTEMES DISTRIBUES POUR LA PRODUCTION ET L'UTILISATION EFFICACES DE COMPOSITIONS A BASE DE MICROBES**

[72] FARMER, SEAN, US
[72] ZORNER, PAUL S., US
[72] ALIBEK, KEN, US
[72] ADAMS, KENT, US
[72] DIXON, TYLER, US
[71] LOCUS IP COMPANY, LLC, US
[85] 2019-03-06
[86] 2017-09-08 (PCT/US2017/050711)
[87] (WO2018/049182)
[30] US (62/385,057) 2016-09-08

[21] **3,036,073**
[13] A1

[51] **Int.Cl. F16J 15/10 (2006.01) H01M 8/0271 (2016.01) B29C 45/16 (2006.01)**

[25] EN

[54] **GASKET AND METHOD FOR MANUFACTURING SAME**

[54] **JOINT D'ETANCHEITE ET SON PROCEDE DE FABRICATION**

[72] SHIRAKAWA, SOHEI, JP
[72] YUI, HAJIME, JP
[72] HORIMOTO, TAKAYUKI, JP
[72] SASO, HIDETOSHI, JP
[71] NOK CORPORATION, JP
[85] 2019-03-06
[86] 2017-09-21 (PCT/JP2017/034102)
[87] (WO2018/079143)
[30] JP (2016-210340) 2016-10-27
[30] JP (2016-210341) 2016-10-27

[21] **3,036,074**
[13] A1

[51] **Int.Cl. B65G 23/23 (2006.01) G01G 19/03 (2006.01)**

[25] EN

[54] **WEIGH-IN-MOTION SCALE SYSTEM AND METHOD FOR LINEAR SYNCHRONOUS MOTOR CONVEYOR**

[54] **SYSTEME ET PROCEDE DE BALANCE DE PESEE EN MARCHE DESTINES A UN TRANSPORTEUR A MOTEUR SYNCHRONE LINEAIRE**

[72] LYMAN, CHRISTOPHER ROBERT, US
[72] GRANITZ, MICHAEL, US
[72] ROYCE, DANIEL RICHARD, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-03-06
[86] 2017-09-08 (PCT/US2017/050597)
[87] (WO2018/049102)
[30] US (62/385,293) 2016-09-09

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[21] **3,036,075**
[13] A1

[51] **Int.Cl. C22B 9/00 (2006.01) C22B 9/05 (2006.01) C22B 11/02 (2006.01)**

[25] EN

[54] **PROCESS FOR THE PRODUCTION OF A PGM-ENRICHED ALLOY**

[54] **PROCEDE DE PRODUCTION D'UN ALLIAGE ENRICHI EN METAUX DU GROUPE DU PLATINE**

[72] STOFFNER, FELIX, US

[72] HOBBS, CHRIS, US

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

[71] HERAEUS PRECIOUS METALS NORTH AMERICA LLC., US

[85] 2019-03-06

[86] 2017-09-29 (PCT/US2017/054370)

[87] (WO2018/093470)

[30] US (15/355,971) 2016-11-18

[21] **3,036,076**
[13] A1

[51] **Int.Cl. G06Q 30/06 (2012.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR PRODUCING CUSTOMIZED PRODUCTS INTERMIXED WITH MASS PRODUCED PRODUCTS**

[54] **SYSTEMES ET PROCEDES DE PRODUCTION DE PRODUITS PERSONNALISES MELANGES AVEC DES PRODUITS PRODUITS EN MASSE**

[72] BURKHARD, RYAN ANDREW, US

[72] MOORE, NATHAN E., US

[72] CAPECI, SCOTT WILLIAM, US

[72] CACCIATORE, JUSTIN THOMAS, US

[72] ROYCE, DANIEL RICHARD, US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2019-03-06

[86] 2017-09-08 (PCT/US2017/050627)

[87] (WO2018/049122)

[30] US (62/385,293) 2016-09-09

[21] **3,036,077**
[13] A1

[51] **Int.Cl. A47F 3/00 (2006.01) G06Q 10/08 (2012.01) A47F 5/00 (2006.01) A47F 11/06 (2006.01) A47F 11/10 (2006.01) G06K 19/07 (2006.01)**

[25] EN

[54] **DYNAMIC PROJECTION SYSTEM**

[54] **SYSTEME DE PROJECTION DYNAMIQUE**

[72] JONES, MATTHEW ALLEN, US

[72] VASGAARD, AARON JAMES, US

[72] JONES, NICHOLAUS ADAM, US

[72] TAYLOR, ROBERT JAMES, US

[71] WALMART APOLLO, LLC, US

[85] 2019-03-06

[86] 2017-09-11 (PCT/US2017/050900)

[87] (WO2018/052831)

[30] US (62/395,005) 2016-09-15

[21] **3,036,078**
[13] A1

[51] **Int.Cl. A01B 49/06 (2006.01) A01B 15/18 (2006.01) A01B 49/04 (2006.01) A01C 5/06 (2006.01) A01C 5/08 (2006.01) A01C 7/06 (2006.01) A01C 15/00 (2006.01)**

[25] EN

[54] **SYSTEMS, METHODS, AND APPARATUS FOR AGRICULTURAL MATERIAL APPLICATION**

[54] **SYSTEMES, PROCEDES ET APPAREIL POUR L'APPLICATION DE MATIERE AGRICOLE**

[72] HODEL, JEREMY, US

[72] URBANIAK, DOUG, US

[71] PRECISION PLANTING LLC, US

[85] 2019-03-06

[86] 2017-09-15 (PCT/US2017/051792)

[87] (WO2018/053274)

[30] US (62/395,840) 2016-09-16

[30] US (62/423,724) 2016-11-17

[30] US (62/436,935) 2016-12-20

[30] US (62/447,810) 2017-01-18

[30] US (62/526,201) 2017-06-28

[21] **3,036,079**
[13] A1

[51] **Int.Cl. A61K 31/519 (2006.01) A61K 31/4162 (2006.01) C07D 339/04 (2006.01)**

[25] EN

[54] **1,2-DITHIOLANE COMPOUNDS USEFUL IN NEUROPROTECTION, AUTOIMMUNE AND CANCER DISEASES AND CONDITIONS**

[54] **COMPOSES 1,2-DITHIOLANE UTILES DANS LA NEUROPROTECTION, LES MALADIES ET LES ETATS AUTO-IMMUNS ET CANCEREUX**

[72] MANSOUR, TAREK S., US

[72] EVANS, COLLEN E., US

[71] SABILA BIOSCIENCES LLC, US

[85] 2019-03-06

[86] 2017-09-08 (PCT/US2017/050634)

[87] (WO2018/049127)

[30] US (62/384,813) 2016-09-08

[21] **3,036,080**
[13] A1

[51] **Int.Cl. B65B 51/10 (2006.01) B26D 7/00 (2006.01) B26F 1/38 (2006.01) B26F 1/40 (2006.01) B29C 51/42 (2006.01) B29C 65/18 (2006.01) B29C 65/30 (2006.01)**

[25] EN

[54] **DUAL PURPOSE SEAL HEAD ASSEMBLY, TRAY SEALING SYSTEM, AND METHOD THEREFOR**

[54] **ENSEMBLE TETE DE SCELLAGE A DOUBLE USAGE, SYSTEME DE SCELLAGE A PLATEAUX, ET PROCEDE ASSOCIE**

[72] HARRISON, WILLIAM, US

[72] JONES, ANDREW, US

[72] LILES, GARY, US

[72] ALEXANDER, DAVID, US

[71] ROSS INDUSTRIES, INC., US

[85] 2019-03-06

[86] 2017-10-31 (PCT/US2017/059193)

[87] (WO2018/081773)

[30] US (62/414,925) 2016-10-31

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[21] **3,036,081**
[13] A1

[51] **Int.Cl. G05D 1/00 (2006.01)**
[25] EN
[54] **LIGHT MEASUREMENT USING AN AUTONOMOUS VEHICLE**
[54] **MESURE DE LUMIERE AU MOYEN D'UN VEHICULE AUTONOME**
[72] ONASCH, TORSTEN, DE
[72] SPERO, DORIAN JACK, US
[71] OSRAM SYLVANIA INC., US
[71] SITECO BELEUCHTUNGSTECHNIK GMBH, DE
[85] 2019-03-06
[86] 2017-09-15 (PCT/US2017/051932)
[87] (WO2018/053370)
[30] US (62/395,311) 2016-09-15
[30] US (15/705,106) 2017-09-14

[21] **3,036,082**
[13] A1

[51] **Int.Cl. C22C 21/10 (2006.01)**
[25] EN
[54] **HIGH ZINC ALUMINUM ALLOY PRODUCTS**
[54] **PRODUITS D'ALLIAGE D'ALUMINIUM A TENEUR ELEVEE EN ZINC**
[72] UNAL, ALI, US
[72] NEWMAN, JOHN, US
[72] TOMES, DAVID, US
[72] WYATT-MAIR, GAVIN, US
[71] ARCONIC INC., US
[85] 2019-03-06
[86] 2017-11-28 (PCT/US2017/063481)
[87] (WO2018/118350)
[30] US (62/437,489) 2016-12-21

[21] **3,036,083**
[13] A1

[51] **Int.Cl. G02B 6/38 (2006.01)**
[25] EN
[54] **OPTICAL FIBER ADAPTERS AND CONNECTORS HAVING WAVELENGTH FILTERING COMPONENTS**
[54] **ADAPTATEURS DE FIBRE OPTIQUE ET CONNECTEURS AYANT DES COMPOSANTS DE FILTRAGE DE LONGUEUR D'ONDE**
[72] LIU, BIN, US
[72] PRESCOTT, SCOTT, US
[72] EDDY, DALE, US
[72] SCHOLTEN, MICHAEL, US
[71] AFL TELECOMMUNICATIONS LLC, US
[85] 2019-03-06
[86] 2017-09-18 (PCT/US2017/052066)
[87] (WO2018/063841)
[30] US (62/400,146) 2016-09-27

[21] **3,036,084**
[13] A1

[51] **Int.Cl. A61B 18/00 (2006.01) A61B 17/32 (2006.01) A61B 18/04 (2006.01) A61B 18/08 (2006.01)**
[25] EN
[54] **MONOPOLAR ELECTROSURGERY BLADE AND ELECTROSURGERY BLADE ASSEMBLY**
[54] **LAME D'ELECTROCHIRURGIE UNIPOLAIRE ET ENSEMBLE DE LAMES D'ELECTROCHIRURGIE**
[72] COSMESCU, IOAN, US
[71] I.C. MEDICAL, INC., US
[85] 2019-03-06
[86] 2017-09-05 (PCT/US2017/050138)
[87] (WO2018/048817)
[30] US (62/383,851) 2016-09-06

[21] **3,036,086**
[13] A1

[51] **Int.Cl. B05B 1/02 (2006.01) C01B 32/22 (2017.01) C01B 32/25 (2017.01) C01B 33/38 (2006.01) C08K 9/06 (2006.01)**
[25] EN
[54] **CONTINUOUS PRODUCTION OF EXFOLIATED 2D LAYERED MATERIALS BY COMPRESSIVE FLOW**
[54] **PRODUCTION CONTINUE DE MATERIAUX 2D EXFOLIES EN COUCHES PAR ECOULEMENT PAR COMPRESSION**
[72] KANER, RICHARD B., US
[72] NGUYEN, EMILY PHUONG NAM, AU
[72] RIZVI, SYED REZA, CA
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2019-03-06
[86] 2017-09-27 (PCT/US2017/053691)
[87] (WO2018/064152)
[30] US (62/402,591) 2016-09-30

[21] **3,036,087**
[13] A1

[51] **Int.Cl. B25B 11/00 (2006.01) B65G 21/20 (2006.01)**
[25] EN
[54] **VACUUM HOLDER WITH EXTENSIBLE SKIRT GASKET**
[54] **SUPPORT A VIDE AVEC JOINT DE JUPE EXTENSIBLE**
[72] LYMAN, CHRISTOPHER ROBERT, US
[72] ORNDORFF, JASON MATTHEW, US
[72] SHEN, MARCUS, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-03-06
[86] 2017-09-08 (PCT/US2017/050579)
[87] (WO2018/049090)
[30] US (62/385,324) 2016-09-09

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[13] A1

[51] **Int.Cl. E06B 3/26 (2006.01) E06B 3/263 (2006.01)**
[25] EN
[54] **KNURLING APPARATUS AND METHODS FOR ARCHITECTURAL ASSEMBLIES**
[54] **APPAREIL DE MOLETAGE ET PROCEDES POUR ENSEMBLES ARCHITECTURAUX**
[72] MARINACK, MARTIN C., US
[72] CROWLEY, MARK, US
[72] KUMAR, SNEH, US
[72] CHILKO, MICHAEL, US
[72] HOOPER, BILL, US
[72] BARBULESCU, ION-HORATIU, US
[72] SERRANO, DERYCK, US
[71] ARCONIC INC., US
[85] 2019-03-06
[86] 2017-12-08 (PCT/US2017/065267)
[87] (WO2018/107002)
[30] US (62/432,015) 2016-12-09

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[13] A1

[51] **Int.Cl. A61K 38/10 (2006.01) A61K 31/18 (2006.01) A61K 31/473 (2006.01) A61K 31/4985 (2006.01) A61K 31/505 (2006.01) A61K 31/517 (2006.01) A61K 31/58 (2006.01) A61P 13/08 (2006.01)**
[25] EN
[54] **METHOD OF AMELIORATING OR PREVENTING THE WORSENING OR THE PROGRESSION OF SYMPTOMS OF BPH**
[54] **PROCEDE D'AMELIORATION OU DE PREVENTION DE L'AGGRAVATION OU DE LA PROGRESSION DE SYMPTOMES DE HBP**
[72] AVERBACK, PAUL, BS
[71] NYMOX CORPORATION, US
[85] 2019-03-07
[86] 2017-08-29 (PCT/IB2017/055187)
[87] (WO2018/047036)
[30] US (15/258,786) 2016-09-07

[21] **3,036,090**
[13] A1

[51] **Int.Cl. G01N 33/92 (2006.01)**
[25] EN
[54] **USE OF RECOMBINANT LYMPHOCYTE ACTIVATION GENE-3**
[54] **UTILISATION D'UN GENE 3 RECOMBINE D'ACTIVATION DES LYMPHOCYTES EN TANT QU'AGENT THERAPEUTIQUE D'ACCOMPAGNEMENT DESTINE A DES PATIENTS A RISQUE POUR UNE MALADIE CARDIOVASCULAIRE ET D'AUTRES MALADIES INFLAMMATOIRES CHRONIQUES**
[72] RODRIGUEZ OQUENDO, ANNABELLE, US
[71] RODRIGUEZ OQUENDO, ANNABELLE, US
[85] 2019-03-06
[86] 2017-09-12 (PCT/US2017/051210)
[87] (WO2018/049410)
[30] US (15/262,618) 2016-09-12

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[13] A1

[51] **Int.Cl. C25C 7/02 (2006.01) B23K 9/00 (2006.01) B23K 35/24 (2006.01) C25C 1/12 (2006.01) C25C 7/06 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN HANGER BARS**
[54] **AMELIORATIONS APPORTEES A DES BARRES DE SUSPENSION**
[72] ASLIN, NIGEL, AU
[72] ERIKSSON, PER OLA, AU
[71] GLENCCORE TECHNOLOGY PTY LIMITED, AU
[85] 2019-03-07
[86] 2016-09-09 (PCT/AU2016/050849)
[87] (WO2018/045407)

[21] **3,036,092**
[13] A1

[51] **Int.Cl. B01J 8/02 (2006.01) B01J 8/00 (2006.01) C11B 9/00 (2006.01)**
[25] EN
[54] **METHODS FOR THE CONTINUOUS ALKOXYLATION AND DERIVATIZATION OF TERPENES**
[54] **PROCEDES D'ALCOXYLATION CONTINUE ET DE DERIVATION DE TERPENES**
[72] YANG, YONGHUA, US
[72] SALAM, TANIA, US
[72] FOLEY, PATRICK, US
[71] P2 SCIENCE, INC., US
[85] 2019-03-07
[86] 2017-09-08 (PCT/US2017/050808)
[87] (WO2018/049252)
[30] US (62/384,939) 2016-09-08

[21] **3,036,093**
[13] A1

[51] **Int.Cl. C12N 15/11 (2006.01) A61K 38/00 (2006.01) C07H 21/04 (2006.01) C12N 15/00 (2006.01)**
[25] EN
[54] **DELIVERY OF NUCLEIC ACIDS, PROTEINS, AND SMALL MOLECULES IN VITREOUS VESICULAR BODIES**
[54] **ADMINISTRATION D'ACIDES NUCLEIQUES, DE PROTEINES ET DE PETITES MOLECULES DANS DES CORPS VESICULAIRES VITREUX**
[72] PENA, JOHN TG, US
[72] GUPTA, MRINALI PATEL, US
[72] D'AMICO, DONALD J., US
[71] CORNELL UNIVERSITY, US
[85] 2019-03-07
[86] 2017-09-09 (PCT/US2017/050854)
[87] (WO2018/049284)
[30] US (62/385,711) 2016-09-09

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[51] **Int.Cl. A01C 1/00 (2006.01) A01C 1/04 (2006.01) A01G 31/00 (2018.01) A01G 31/02 (2006.01) A01G 31/04 (2006.01) A01G 31/06 (2006.01) E02B 3/04 (2006.01)**
[25] EN
[54] **SEED QUILTS**
[54] **MATELAS DE SEMENCES**
[72] RICHMAN, CAMILLE, US
[72] GOODMAN, DANIEL, US
[71] HAMAMA, INC., US
[85] 2019-03-06
[86] 2017-09-12 (PCT/US2017/051233)
[87] (WO2018/049425)
[30] US (62/393,566) 2016-09-12
[30] US (62/401,861) 2016-09-29
[30] US (62/424,383) 2016-11-18
[30] US (62/426,498) 2016-11-26
[30] US (62/517,176) 2017-06-09

[21] **3,036,095**
[13] A1
[51] **Int.Cl. A61K 38/48 (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) A61K 47/34 (2017.01)**
[25] EN
[54] **STABILIZED NON-PROTEIN CLOSTRIDIAL TOXIN COMPOSITIONS**
[54] **COMPOSITIONS DE TOXINES CLOSTRIDIALES NON PROTEIQUES STABILISEES**
[72] ABIAD, MAURICE, US
[72] DANI, BHAS, US
[72] SHALAEV, EVGENYI, US
[71] ALLERGAN, INC., US
[85] 2019-03-06
[86] 2017-09-13 (PCT/US2017/051394)
[87] (WO2018/053021)
[30] US (62/394,009) 2016-09-13

[21] **3,036,096**
[13] A1
[51] **Int.Cl. B65D 1/02 (2006.01)**
[25] EN
[54] **SYNTHETIC RESIN CONTAINER RECIPIENT EN RESINE SYNTHETIQUE**
[72] USAMI, TETSURO, JP
[71] YOSHINO KOGYOSHO CO., LTD., JP
[85] 2019-03-07
[86] 2017-07-04 (PCT/JP2017/024534)
[87] (WO2018/061379)
[30] JP (2016-194934) 2016-09-30

[21] **3,036,097**
[13] A1
[51] **Int.Cl. A61B 3/02 (2006.01) A61B 3/00 (2006.01) A61B 3/028 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR VISION TESTING**
[54] **SYSTEMES ET PROCEDES POUR TEST DE VISION**
[72] TANG, DAVID, FR
[72] MOINARD, BRUNO, FR
[72] ROUSSEAU, DAMIEN, FR
[72] MOLINARO, ANDREA, FR
[71] ESSILOR INTERNATIONAL, FR
[85] 2019-03-06
[86] 2017-03-24 (PCT/EP2017/057132)
[87] (WO2018/050297)
[30] US (62/394,515) 2016-09-14

[21] **3,036,098**
[13] A1
[51] **Int.Cl. F16K 31/18 (2006.01) B67D 7/00 (2010.01) B67D 7/36 (2010.01) B60K 15/03 (2006.01)**
[25] EN
[54] **TANK LEVEL SENSOR**
[54] **CAPTEUR DE NIVEAU DE RESERVOIR**
[72] DRAGOMIRESCU, EMIL-DAN, RO
[72] PEATTIE, ADAM, AU
[71] WALNAB PTY LTD, AU
[85] 2019-03-07
[86] 2017-09-22 (PCT/AU2017/051039)
[87] (WO2018/053598)
[30] AU (2016903857) 2016-09-23

[21] **3,036,099**
[13] A1
[51] **Int.Cl. B65D 6/26 (2006.01) B65D 6/22 (2006.01) F16C 11/04 (2006.01)**
[25] EN
[54] **WALL LATCHING SYSTEM**
[54] **SYSTEME DE VERROUILLAGE DE PAROIS**
[72] WILCOX, DONALD E., US
[71] ARENA PACKAGING, LLC, US
[85] 2019-03-06
[86] 2017-09-14 (PCT/US2017/051539)
[87] (WO2018/053112)
[30] US (15/266,683) 2016-09-15

[21] **3,036,100**
[13] A1
[51] **Int.Cl. H05H 6/00 (2006.01)**
[25] EN
[54] **TRANSITION RADIATION LIGHT SOURCES**
[54] **SOURCES DE LUMIERE A RAYONNEMENT DE TRANSITION**
[72] JORDAN, KEVIN C., US
[72] DUSHATINSKI, THOMAS G., US
[72] SMITH, MICHAEL W., US
[72] STEVENS, JONATHAN C., US
[72] WHITNEY, R. ROY, US
[71] BNNT, LLC, US
[71] JEFFERSON SCIENCE ASSOCIATES, LLC, US
[85] 2019-03-05
[86] 2017-09-06 (PCT/US2017/050287)
[87] (WO2018/048906)
[30] US (62/383,853) 2016-09-06
[30] US (62/397,050) 2016-09-20
[30] US (62/398,941) 2016-09-23
[30] US (62/427,506) 2016-11-29

[21] **3,036,101**
[13] A1
[51] **Int.Cl. F24F 13/068 (2006.01) F24F 13/075 (2006.01) F24F 13/08 (2006.01)**
[25] EN
[54] **CEILING SYSTEM WITH AIR MOVEMENT**
[54] **SYSTEME DE PLAFOND A DEPLACEMENT D'AIR**
[72] FRANTZ, WILLIAM H., US
[71] ARMSTRONG WORLD INDUSTRIES, INC., US
[85] 2019-03-06
[86] 2017-09-14 (PCT/US2017/051571)
[87] (WO2018/053136)
[30] US (62/395,035) 2016-09-15

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[21] **3,036,102**
[13] A1

[51] **Int.Cl. E04C 2/04 (2006.01) B32B 13/04 (2006.01) E04B 1/94 (2006.01) E04F 13/072 (2006.01)**

[25] EN

[54] **GYPSUM-BASED BUILDING MATERIAL WITH MAGNETIC LAYER, MAGNETIC JOINT MATERIAL, METHOD FOR FABRICATING GYPSUM-BASED BUILDING MATERIAL WITH MAGNETIC LAYER**

[54] **MATERIAU DE CONSTRUCTION EN GYPSE AYANT UNE COUCHE MAGNETIQUE, MATERIAU DE TRAITEMENT DE JOINT MAGNETIQUE, ET PROCEDE DE PRODUCTION DE MATERIAU DE CONSTRUCTION EN GYPSE AYANT UNECOUCHE MAGNETIQUE**

[72] WATANABE, KEN, JP

[72] SHIMAZAKI, JUNETSU, JP

[72] YOKOYAMA, ITARU, JP

[72] SATO, YOSUKE, JP

[72] KANEKO, TAKAO, JP

[71] YOSHINO GYPSUM CO., LTD., JP

[85] 2019-03-07

[86] 2017-10-03 (PCT/JP2017/035944)

[87] (WO2018/074218)

[30] JP (2016-204734) 2016-10-18

[21] **3,036,103**
[13] A1

[51] **Int.Cl. C10M 167/00 (2006.01)**

[25] EN

[54] **LUBRICATING COMPOSITION AND METHOD OF LUBRICATING AN INTERNAL COMBUSTION ENGINE**

[54] **COMPOSITION LUBRIFIANTE ET PROCEDE DE LUBRIFICATION D'UN MOTEUR A COMBUSTION INTERNE**

[72] LOOP, JOHN G., US

[72] RAGUZ, MARY GALIC, US

[71] THE LUBRIZOL CORPORATION, US

[85] 2019-03-07

[86] 2017-08-28 (PCT/US2017/048843)

[87] (WO2018/052692)

[30] US (62/394,235) 2016-09-14

[21] **3,036,104**
[13] A1

[51] **Int.Cl. C07K 19/00 (2006.01) A61K 38/19 (2006.01) A61P 7/06 (2006.01) C07K 14/52 (2006.01)**

[25] EN

[54] **TWISTED GASTRULATION POLYPEPTIDES AND USES THEREOF**

[54] **POLYPEPTIDES DE GASTRULATION TORSADES ET LEURS UTILISATIONS**

[72] RAJASEKHAR SURAGANI, NAGA VENKATA SAI, US

[72] GRINBERG, ASYA, US

[72] SAKO, DIANNE, US

[71] ACCELERON PHARMA INC., US

[85] 2019-03-06

[86] 2017-09-15 (PCT/US2017/051727)

[87] (WO2018/053234)

[30] US (62/395,088) 2016-09-15

[21] **3,036,105**
[13] A1

[51] **Int.Cl. A61G 7/14 (2006.01)**

[25] EN

[54] **LIFTING SYSTEM WITH LIFTING DEVICE AND CANTILIEVERED SUPPORT PLATFORM**

[54] **SYSTEME DE LEVAGE AVEC DISPOSITIF DE LEVAGE ET PLATE-FORME DE SUPPORT EN PORTE-A-FAUX**

[72] GILLESPIE, BRUCE ROME, AU

[71] GILLESPIE, MARGARET FORSHAW, AU

[85] 2019-03-07

[86] 2017-10-31 (PCT/AU2017/051196)

[87] (WO2018/076076)

[30] AU (2016904439) 2016-10-31

[30] AU (2017902474) 2017-06-27

[21] **3,036,106**
[13] A1

[51] **Int.Cl. A01G 9/20 (2006.01) F21K 9/00 (2016.01) F21V 23/00 (2015.01)**

[25] EN

[54] **LIGHT SOURCE WITH PROGRAMMABLE SPECTRAL IRRADIANCE AND CLOSED LOOP CONTROL**

[54] **SOURCE DE LUMIERE AVEC IRRADIANCE SPECTRALE PROGRAMMABLE ET COMMANDE EN BOUCLE FERMEE**

[72] TASHUK, MICHAEL THOMAS, CA

[71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA

[85] 2019-03-07

[86] 2017-09-08 (PCT/CA2017/051063)

[87] (WO2018/045473)

[30] US (62/385,393) 2016-09-09

[21] **3,036,107**
[13] A1

[51] **Int.Cl. F26B 5/06 (2006.01)**

[25] EN

[54] **REPEATED STERILE USE OF A GAUGE IN A STEAM STERILIZABLE FREEZE-DRYING SYSTEM**

[54] **UTILISATION STERILE REPETEE D'UNE JAUGE DANS UN SYSTEME DE LYOPHILISATION STERILISABLE A LA VAPEUR**

[72] DERN, CHARLES D., US

[71] SP INDUSTRIES, INC., US

[85] 2019-03-07

[86] 2017-09-08 (PCT/US2017/050749)

[87] (WO2018/049208)

[30] US (15/260,569) 2016-09-09

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[21] **3,036,108**
[13] A1
[51] **Int.Cl. G06F 7/58 (2006.01)**
[25] EN
[54] **INSTRUCTION TO PROVIDE TRUE RANDOM NUMBERS**
[54] **INSTRUCTION PERMETTANT DE FOURNIR DES NOMBRES ALEATOIRES VRAIS**
[72] GREINER, DAN, US
[72] SLEGEL, TIMOTHY, US
[72] ZOELLIN, CHRISTIAN, US
[72] NERZ, BERND, DE
[72] VISEGRADY, TAMAS, CH
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2019-03-07
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[87] (WO2018/060180)
[30] US (15/281,159) 2016-09-30

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[13] A1
[51] **Int.Cl. F16D 55/226 (2006.01) F16D 65/097 (2006.01) F16D 65/18 (2006.01)**
[25] EN
[54] **DISC BRAKE FOR UTILITY VEHICLES**
[54] **FREIN A DISQUE POUR VEHICULES UTILITAIRES**
[72] BAUMGARTNER, JOHANN, DE
[72] PETSCHKE, ANDREAS, DE
[71] KNORR-BREMSE SYSTEME FUR NUTZFAHRZEUGE GMBH, DE
[85] 2019-03-07
[86] 2017-09-05 (PCT/EP2017/072166)
[87] (WO2018/046469)
[30] DE (10 2016 116 967.6) 2016-09-09

[21] **3,036,110**
[13] A1
[51] **Int.Cl. G06F 9/30 (2018.01)**
[25] EN
[54] **DECIMAL LOAD IMMEDIATE INSTRUCTION**
[54] **INSTRUCTION IMMEDIATE DE CHARGE DECIMALE**
[72] BRADBURY, JONATHAN, US
[72] COPELAND, REID, CA
[72] MUELLER, SYLVIA MELITTA, DE
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2019-03-07
[86] 2017-09-26 (PCT/EP2017/074347)
[87] (WO2018/060183)
[30] US (15/281,181) 2016-09-30

[21] **3,036,111**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/127 (2006.01)**
[25] EN
[54] **COLLOIDAL PARTICLES FOR USE IN MEDICINE**
[54] **PARTICULES COLLOIDALES A UTILISER EN MEDECINE**
[72] HENRY, WILLIAM, GB
[72] WOLF-GARRAWAY, RICHARD, GB
[72] MAYO, JOHN, GB
[71] CANTAB BIOPHARMACEUTICALS PATENTS LIMITED, MT
[85] 2019-03-07
[86] 2016-10-14 (PCT/EP2016/074759)
[87] (WO2017/064276)
[30] GB (1518172.0) 2015-10-14

[21] **3,036,112**
[13] A1
[51] **Int.Cl. B64D 27/00 (2006.01) B64C 11/44 (2006.01) B64C 27/68 (2006.01) B64C 39/02 (2006.01) B64D 27/24 (2006.01)**
[25] EN
[54] **LARGE PAYLOAD UNMANNED AERIAL VEHICLE**
[54] **AERONEF SANS PILOTE A GRANDE CHARGE UTILE**
[72] CLARKE, DANIEL JOHN, CA
[72] CLARKE, JASON PETER, CA
[71] FULCRUM UAV TECHNOLOGY INC., CA
[85] 2019-03-07
[86] 2017-12-04 (PCT/CA2017/051458)
[87] (WO2018/102913)
[30] US (62/430,150) 2016-12-05

[21] **3,036,113**
[13] A1
[51] **Int.Cl. H02H 7/22 (2006.01) H02H 9/00 (2006.01) H03K 17/081 (2006.01)**
[25] EN
[54] **MULTI-SEMICONDUCTOR SOLID STATE POWER CONTROLLERS AND METHOD FOR MANAGING INDUCTIVE SWITCHING TRANSIENTS THEREOF**
[54] **REGULATEURS DE PUISSANCE A SEMI-CONDUCTEURS COMPORTANT DE MULTIPLES SEMI-CONDUCTEURS ET PROCEDE DE GESTION DE TRANSITOIRES DE COMMUTATION INDUCTIVE ASSOCIES**
[72] HANDY, PETER JAMES, GB
[72] TYLER, PETER MICHAEL, GB
[72] MAYES, JULIAN PETER, GB
[71] GE AVIATION SYSTEMS LIMITED, GB
[85] 2019-03-07
[86] 2017-09-12 (PCT/EP2017/072892)
[87] (WO2018/050638)
[30] GB (1615536.8) 2016-09-13

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[21] **3,036,114**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/444 (2006.01) A61K 31/4545 (2006.01) A61K 31/496 (2006.01) A61K 31/5377 (2006.01) A61P 35/00 (2006.01) A61P 37/06 (2006.01) C07D 471/14 (2006.01) C07D 491/147 (2006.01) C07D 519/00 (2006.01)**

[25] EN

[54] **PYRIDO FIVE-ELEMENT AROMATIC RING COMPOUND, PREPARATION METHOD THEREFOR AND USE THEREOF**

[54] **COMPOSE CYCLIQUE AROMATIQUE DE PYRIDO A CINQ ELEMENTS, SON PROCEDE DE PREPARATION ET SON UTILISATION**

[72] CHEN, XUXING, CN
[72] GENG, MEIYU, CN
[72] JIANG, LEI, CN
[72] CHEN, YI, CN
[72] CAO, JIANHUA, CN
[72] JIANG, QINGYUN, CN
[72] SHEN, QIANQIAN, CN
[72] DING, JIAN, CN
[72] YAO, YUCAL, CN
[72] ZHAO, ZHAO, CN
[72] XIONG, YUANFANG, CN
[71] SHANGHAI HAIHE PHARMACEUTICAL CO., LTD., CN
[71] SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES, CN
[85] 2019-03-07
[86] 2017-09-06 (PCT/CN2017/100747)
[87] (WO2018/045971)
[30] CN (201610807947.2) 2016-09-07

[21] **3,036,115**
[13] A1

[51] **Int.Cl. B29C 65/48 (2006.01) B29C 65/02 (2006.01) C08K 9/10 (2006.01)**

[25] EN

[54] **METHOD OF ACTIVATING ADHESIVES**

[54] **PROCEDE D'ACTIVATION D'ADHESIFS**

[72] MAYER, JORG, CH
[72] RHEME, MARTIN, CH
[71] MULTIMATERIAL-WELDING AG, CH
[85] 2019-03-07
[86] 2017-10-06 (PCT/EP2017/075538)
[87] (WO2018/065601)
[30] CH (01346/16) 2016-10-07
[30] CH (01612/16) 2016-12-07

[21] **3,036,116**
[13] A1

[51] **Int.Cl. B29D 11/00 (2006.01)**

[25] EN

[54] **A METHOD OF MANUFACTURING CONTACT LENSES**

[54] **PROCEDE ET PRODUIT INTERMEDIAIRE POUR LA FABRICATION DE LENTILLES DE CONTACT**

[72] BRUCE, IAN, GB
[72] FIELDHOUSE, ADAM, GB
[71] COOPERVISION INTERNATIONAL HOLDING COMPANY, LP, BB
[85] 2019-03-07
[86] 2017-09-26 (PCT/GB2017/052875)
[87] (WO2018/060685)
[30] US (62/400,156) 2016-09-27

[21] **3,036,117**
[13] A1

[51] **Int.Cl. G08B 21/14 (2006.01) B60Q 1/52 (2006.01) B60R 21/02 (2006.01) G08B 25/10 (2006.01)**

[25] EN

[54] **SAFETY DETECTION IN SEALED VEHICLE SPACES**

[54] **DETECTION DE SECURITE DANS DES ESPACES ISOLEES D'UN VEHICULE**

[72] HONEY-JONES, DAVID, CA
[71] HONEY-JONES, DAVID, CA
[85] 2019-03-07
[86] 2016-09-19 (PCT/CA2016/000236)
[87] (WO2017/045065)
[30] CA (2,904,745) 2015-09-17

[21] **3,036,118**
[13] A1

[51] **Int.Cl. G06F 21/60 (2013.01) H04L 9/06 (2006.01) H04L 9/32 (2006.01)**

[25] EN

[54] **PADDING FOR CREATING A MESSAGE DIGEST**

[54] **REMPLISSAGE POUR CREER UN CONDENSE DE MESSAGE**

[72] GREINER, DAN, US
[72] SLEGEL, TIMOTHY, US
[72] ZOELLIN, CHRISTIAN, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2019-03-07
[86] 2017-09-27 (PCT/EP2017/074478)
[87] (WO2018/060236)
[30] US (15/281,631) 2016-09-30

[21] **3,036,119**
[13] A1

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

[25] EN

[54] **METHODS FOR PERFORMING MULTIPLEXED PCR**

[54] **PROCEDES DE MISE EN OEUVRE DE PCR 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] 2019-03-07
[86] 2017-09-15 (PCT/EP2017/073288)
[87] (WO2018/050824)
[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] **3,036,120**
[13] A1

[51] **Int.Cl. G01R 19/00 (2006.01) G01R 19/165 (2006.01) G01R 19/25 (2006.01) G06F 7/64 (2006.01) G01R 15/18 (2006.01) G01R 19/32 (2006.01)**

[25] EN

[54] **IMPROVEMENTS IN OR RELATING TO THE MEASUREMENT OF CURRENT WITHIN A CONDUCTOR**

[54] **AMELIORATIONS APPORTEES OU SE RAPPORTANT A LA MESURE D'UN COURANT A L'INTERIEUR D'UN CONDUCTEUR**

[72] HA, HENGXU, GB
[72] SOUZA, CELSO, BR
[72] BERNARDI, DAVI, BR
[72] ZENG, XIANWU, GB
[72] BENCZ, ELIAS, BR
[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[85] 2019-03-07
[86] 2017-09-14 (PCT/EP2017/073127)
[87] (WO2018/050741)
[30] EP (16188995.1) 2016-09-15

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[21] **3,036,121**
[13] A1

[51] **Int.Cl. F02M 26/06 (2016.01) F02M 26/02 (2016.01)**
[25] EN
[54] **ENGINE CONTROL METHOD AND CONTROL DEVICE**
[54] **PROCEDE ET DISPOSITIF DE COMMANDE DE MOTEUR**
[72] YONEKURA, KENGO, JP
[72] TSUCHIDA, HIROFUMI, JP
[72] HAMAMOTO, TAKAYUKI, JP
[71] NISSAN MOTOR CO., LTD., JP
[71] RENAULT S.A.S., FR
[85] 2019-03-07
[86] 2016-09-07 (PCT/JP2016/076238)
[87] (WO2018/047248)

[21] **3,036,122**
[13] A1

[51] **Int.Cl. G06F 7/491 (2006.01)**
[25] EN
[54] **DECIMAL SHIFT AND DIVIDE INSTRUCTION**
[54] **INSTRUCTION DE DECALAGE DECIMAL ET DE DIVISION**
[72] BRADBURY, JONATHAN, US
[72] COPELAND, REID, CA
[72] MUELLER, SILVIA MELITTA, DE
[72] SCHWARZ, ERIC, US
[72] CARLOUGH, STEVEN, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2019-03-07
[86] 2017-09-21 (PCT/EP2017/073875)
[87] (WO2018/060040)
[30] US (15/281,245) 2016-09-30

[21] **3,036,123**
[13] A1

[51] **Int.Cl. G06F 7/491 (2006.01)**
[25] EN
[54] **DECIMAL MULTIPLY AND SHIFT INSTRUCTION**
[54] **INSTRUCTION DE MULTIPLICATION ET DE DECALAGE DECIMAL**
[72] MUELLER, SILVIA MELITTA, DE
[72] COPELAND, REID, CA
[72] BRADBURY, JONATHAN, US
[72] CARLOUGH, STEVEN, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2019-03-07
[86] 2017-09-21 (PCT/EP2017/073877)
[87] (WO2018/060041)
[30] US (15/281,223) 2016-09-30

[21] **3,036,124**
[13] A1

[51] **Int.Cl. F03D 80/00 (2016.01) F03D 80/50 (2016.01) F15B 15/06 (2006.01)**
[25] EN
[54] **ROTOR ARRESTING DEVICE FOR A WIND TURBINE AND METHOD**
[54] **DISPOSITIF D'ARRET DE ROTOR POUR UNE EOLIENNE ET PROCEDE**
[72] ROER, JOCHEN, DE
[71] WOBLEN PROPERTIES GMBH, DE
[85] 2019-03-05
[86] 2017-08-24 (PCT/EP2017/071279)
[87] (WO2018/046305)
[30] DE (10 2016 116 945.5) 2016-09-09

[21] **3,036,125**
[13] A1

[51] **Int.Cl. G06F 9/30 (2018.01)**
[25] EN
[54] **PERFORM SIGN OPERATION DECIMAL INSTRUCTION**
[54] **INSTRUCTION DECIMALE POUR EFFECTUER UNE OPERATION DE SIGNES**
[72] COPELAND, REID, CA
[72] MUELLER, SILVIA MELITTA, DE
[72] BRADBURY, JONATHAN, US
[72] SLEGEL, TIMOTHY, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2019-03-07
[86] 2017-09-22 (PCT/EP2017/074091)
[87] (WO2018/060102)
[30] US (15/281,173) 2016-09-30

[21] **3,036,127**
[13] A1

[51] **Int.Cl. B28B 1/00 (2006.01) E04B 1/16 (2006.01)**
[25] EN
[54] **METHOD OF REINFORCED CEMENTITIOUS CONSTRUCTION BY HIGH SPEED EXTRUSION PRINTING AND APPARATUS FOR USING SAME**
[54] **PROCEDE DE CONSTRUCTION A BASE DE CIMENT ARME PAR IMPRESSION PAR EXTRUSION RAPIDE ET APPAREIL POUR SON UTILISATION**
[72] GILES, BRIAN C., US
[71] ARMATRON SYSTEMS, LLC, US
[85] 2019-03-05
[86] 2017-09-13 (PCT/US2017/000055)
[87] (WO2018/052469)
[30] US (62/495,514) 2016-09-14

[21] **3,036,128**
[13] A1

[51] **Int.Cl. A61K 31/575 (2006.01) A61K 33/24 (2019.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) C07F 15/00 (2006.01) C07H 23/00 (2006.01) C07J 41/00 (2006.01)**
[25] EN
[54] **IMMUNE MEMORY INDUCTION BY PLATINUM BASED COMPOUNDS**
[54] **INDUCTION DE MEMOIRE IMMUNITAIRE PAR DES COMPOSES A BASE DE PLATINE**
[72] SENGUPTA, SHILADITYA, US
[72] SENGUPTA, ANIRUDDHA, IN
[72] MYLAVARAPU, SANGHAMITRA, IN
[72] ROY, MONIDEEPA, US
[71] AKAMARA THERAPEUTICS, INC., US
[85] 2019-03-07
[86] 2017-09-07 (PCT/IB2017/055394)
[87] (WO2018/047090)
[30] IN (201611030627) 2016-09-07

[21] **3,036,129**
[13] A1

[51] **Int.Cl. E21B 23/04 (2006.01) E21B 33/12 (2006.01) E21B 34/06 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **ELECTRICALLY CONTROLLED PROPELLANT IN SUBTERRANEAN OPERATIONS AND EQUIPMENT**
[54] **AGENT PROPULSEUR COMMANDE ELECTRIQUEMENT DANS DES OPERATIONS SOUTERRAINES ET EQUIPEMENT**
[72] NGUYEN, PHILIP D., US
[72] WARPINSKI, NORMAN R., US
[72] MARTYSEVICH, VLADIMIR NIKOLAYEVICH, US
[72] DUSTERHOFT, RONALD GLEN, US
[72] WALTERS, HAROLD GRAYSON, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-03-06
[86] 2016-10-27 (PCT/US2016/059152)
[87] (WO2018/080500)

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[21] **3,036,131**
[13] A1

[51] **Int.Cl. C09J 161/06 (2006.01) C08G 8/24 (2006.01) C09J 197/00 (2006.01)**

[25] EN

[54] **GLYOXALATED LIGNIN COMPOSITIONS**

[54] **COMPOSITIONS DE LIGNINE GLYOXALEE**

[72] PIZZI, ANTONIO, FR

[72] MARCOCCIA, BRUNO, US

[72] SANAEI, SHABNAM, CA

[71] DOMTAR PAPER COMPANY, LLC, US

[85] 2019-03-07

[86] 2017-09-01 (PCT/IB2017/055282)

[87] (WO2018/047047)

[30] US (62/384,495) 2016-09-07

[21] **3,036,133**
[13] A1

[51] **Int.Cl. G01D 5/353 (2006.01) G01H 9/00 (2006.01) G01N 21/47 (2006.01) G08B 13/186 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR DISTRIBUTED ACOUSTIC SENSING**

[54] **PROCEDE ET SYSTEME DE DETECTION ACOUSTIQUE DISTRIBUEE**

[72] ENGLUND, MARK ANDREW, AU

[71] ENGLUND, MARK ANDREW, AU

[85] 2019-03-07

[86] 2017-09-08 (PCT/AU2017/050985)

[87] (WO2018/045433)

[30] AU (2016903617) 2016-09-08

[21] **3,036,134**
[13] A1

[51] **Int.Cl. C07D 513/10 (2006.01) A61K 31/425 (2006.01) A61P 25/28 (2006.01)**

[25] EN

[54] **CRYSTALLINE POLYMORPHS OF A MUSCARINIC ACETYLCHOLINE RECEPTOR AGONIST**

[54] **POLYMORPHES CRISTALLINS D'UN AGONISTE DU RECEPTEUR MUSCARINIQUE DE L'ACETYLCHOLINE**

[72] FISHER, ABRAHAM, IL

[72] BAR-NER, NIRA, IL

[72] WINDISCH, MANFRED, AT

[71] NSC THERAPEUTICS GMBH, AT

[85] 2019-03-05

[86] 2017-10-05 (PCT/EP2017/075373)

[87] (WO2018/065529)

[30] EP (16192494.9) 2016-10-05

[21] **3,036,135**
[13] A1

[51] **Int.Cl. B61B 13/10 (2006.01)**

[25] FR

[54] **BURIED SYSTEM FOR GOODS DISTRIBUTION IN URBAN AREAS**

[54] **SYSTEME ENTERRE DE DISTRIBUTION DE MARCHANDISES EN MILIEU URBAIN**

[72] STUBLER, JEROME, FR

[72] BOISSAVIT, JEAN-SERGE, FR

[72] TROCME, MAXIME, FR

[71] VINCI CONSTRUCTION, FR

[85] 2019-03-06

[86] 2017-09-15 (PCT/EP2017/073367)

[87] (WO2018/050869)

[30] FR (1658686) 2016-09-16

[21] **3,036,136**
[13] A1

[51] **Int.Cl. C08J 11/16 (2006.01) C08F 257/02 (2006.01)**

[25] EN

[54] **REACTOR FOR TREATING POLYSTYRENE MATERIAL**

[54] **REACTEUR POUR LE TRAITEMENT DE MATERIAU DE POLYSTYRENE**

[72] DI MONDO, DOMENIC, CA

[72] SCOTT, BENJAMIN, US

[71] GREENMANTRA RECYCLING TECHNOLOGIES LTD., CA

[85] 2019-03-05

[86] 2017-09-29 (PCT/CA2017/051166)

[87] (WO2018/058257)

[30] US (62/401,830) 2016-09-29

[21] **3,036,137**
[13] A1

[51] **Int.Cl. B29C 70/32 (2006.01) B29B 11/16 (2006.01) B29C 53/56 (2006.01) B29C 53/80 (2006.01)**

[25] FR

[54] **INSTALLATION AND METHOD FOR FORMING A REVOLVING FIBROUS PREFORM EXHIBITING, IN RADIAL SECTION, A PROFILE THAT EVOLVES**

[54] **INSTALLATION ET PROCEDE POUR LA FORMATION D'UNE PREFORME FIBREUSE DE REVOLUTION PRESENTANT EN SECTION RADIALE UN PROFIL EVOLUTIF**

[72] FABRE, HUBERT JEAN MARIE, FR

[72] HELLOT, JEREMY, FR

[71] SAFRAN AIRCRAFT ENGINES, FR

[85] 2019-03-06

[86] 2017-09-04 (PCT/FR2017/052333)

[87] (WO2018/046826)

[30] FR (1658307) 2016-09-07

[21] **3,036,138**
[13] A1

[51] **Int.Cl. B29C 64/00 (2017.01) A61K 9/20 (2006.01)**

[25] EN

[54] **PROCESS FOR THE MANUFACTURE OF A SOLID PHARMACEUTICAL ADMINISTRATION FORM**

[54] **PROCEDE DE FABRICATION D'UNE FORME D'ADMINISTRATION PHARMACEUTIQUE SOLIDE**

[72] SCHILLER, STEFAN, DE

[72] HANEFELD, ANDREA, DE

[72] JONSCHKER, GERHARD, DE

[71] MERCK PATENT GMBH, DE

[85] 2019-03-07

[86] 2017-09-08 (PCT/EP2017/072551)

[87] (WO2018/046642)

[30] EP (16188177.6) 2016-09-09

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[21] **3,036,140**
[13] A1

[51] **Int.Cl. B31F 1/07 (2006.01) B31B 50/88 (2017.01)**

[25] EN

[54] **EMBOSSING TOOL FOR DEFORMING SMOOTH AND EMBOSSED FILMS**

[54] **OUTIL D'ESTAMPAGE DESTINE A LA MISE EN FORME DE FILMS LISSES ET GAUFRES**

[72] SCHUMAN, DALIBOR, CH

[72] STEINER, MARKUS, CH

[71] BERHALTER AG, CH

[85] 2019-03-07

[86] 2017-08-29 (PCT/EP2017/071594)

[87] (WO2018/046340)

[30] CH (01163/16) 2016-09-08

[21] **3,036,141**
[13] A1

[51] **Int.Cl. C04B 41/50 (2006.01)**

[25] EN

[54] **PROCESS FOR TREATING A SUBSTRATE MADE OF STONE MATERIAL**

[54] **PROCEDE DE TRAITEMENT D'UN SUBSTRAT EN MATERIAU DE PIERRE**

[72] LUNARDI, MAURO, IT

[71] ANTOLINI LUIGI & C. S.P.A., IT

[85] 2019-03-07

[86] 2017-09-08 (PCT/IB2017/055417)

[87] (WO2018/051217)

[30] IT (102016000092198) 2016-09-13

[21] **3,036,142**
[13] A1

[51] **Int.Cl. A61B 5/05 (2006.01) A61B 90/00 (2016.01) G01V 3/08 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR MAGNETIC OCCULT LESION LOCALIZATION AND IMAGING**

[54] **SYSTEME ET PROCEDE DE LOCALISATION ET D'IMAGERIE DE LESION OCCULTE MAGNETIQUE**

[72] RAVI, ANANTH, CA

[72] DILLON, JOHN, CA

[71] SUNNYBROOK RESEARCH INSTITUTE, CA

[85] 2019-03-07

[86] 2017-09-08 (PCT/CA2017/051054)

[87] (WO2018/045465)

[30] US (62/385,945) 2016-09-09

[21] **3,036,144**
[13] A1

[51] **Int.Cl. G05G 1/02 (2006.01) B66C 13/44 (2006.01) G05G 25/04 (2006.01)**

[25] EN

[54] **OPERATOR CONTROL APPARATUS**

[54] **APPAREIL DE COMMANDE**

[72] BURCHARD, THOMAS, DE

[72] BAUER, HANS-PETER, DE

[71] NBB HOLDING AG, DE

[85] 2019-03-07

[86] 2017-08-08 (PCT/EP2017/070087)

[87] (WO2018/046213)

[30] DE (10 2016 117 021.6) 2016-09-09

[21] **3,036,145**
[13] A1

[51] **Int.Cl. G05G 1/02 (2006.01) G05G 5/06 (2006.01)**

[25] EN

[54] **INPUT ASSEMBLY FOR INPUTTING A CONTROL COMMAND AND OPERATOR CONTROL APPARATUS HAVING SUCH AN INPUT ASSEMBLY**

[54] **DISPOSITIF D'ENTREE POUR ENTRER UNE INSTRUCTION DE COMMANDE ET APPAREIL DE COMMANDE EQUIPE D'UN DISPOSITIF D'ENTREE DE CE GENRE**

[72] BURCHARD, THOMAS, DE

[72] BAUER, HANS-PETER, DE

[71] NBB HOLDING AG, DE

[85] 2019-03-07

[86] 2017-08-08 (PCT/EP2017/070092)

[87] (WO2018/046214)

[30] DE (10 2016 117 022.4) 2016-09-09

[21] **3,036,147**
[13] A1

[51] **Int.Cl. F01D 17/16 (2006.01) F04D 27/02 (2006.01) F16C 32/04 (2006.01)**

[25] FR

[54] **DEVICE FOR CONTROLLING AIR INTAKE FLAPS USING A MULTILAYER PIEZOELECTRIC ACTUATOR**

[54] **DISPOSITIF DE PILOTAGE DES VOLETS D'ENTREE D'AIR VIA UN ACTIONNEUR PIEZOELECTRIQUE MULTICOUCHE**

[72] VONFELT, JEAN-JULIEN CAMILLE, FR

[72] KLONOWSKI, THOMAS, FR

[72] MOUTAUX, ANTOINE, FR

[71] SAFRAN HELICOPTER ENGINES, FR

[85] 2019-03-01

[86] 2017-08-24 (PCT/FR2017/052270)

[87] (WO2018/046818)

[30] FR (1658348) 2016-09-08

[21] **3,036,148**
[13] A1

[51] **Int.Cl. F01K 25/10 (2006.01) F25J 1/00 (2006.01)**

[25] EN

[54] **MECHANICAL SYSTEM FOR GENERATING MECHANICAL ENERGY FROM LIQUID NITROGEN, AND CORRESPONDING METHOD**

[54] **SYSTEME MECANIQUE DE PRODUCTION D'ENERGIE MECANIQUE A PARTIR D'AZOTE LIQUIDE, ET PROCEDE CORRESPONDANT**

[72] DUPONT, ERIC, FR

[71] DUPONT, ERIC, FR

[85] 2019-03-04

[86] 2017-08-30 (PCT/FR2017/000158)

[87] (WO2018/046807)

[30] FR (16/01329) 2016-09-09

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[21] **3,036,151**
[13] A1

[51] **Int.Cl. G01C 21/00 (2006.01) G01C 21/12 (2006.01)**
[25] EN
[54] **METHOD, SYSTEM AND SOFTWARE FOR NAVIGATION IN GLOBAL POSITIONING SYSTEM (GPS)-DENIED ENVIRONMENTS**
[54] **PROCEDE, SYSTEME ET LOGICIEL DE NAVIGATION DANS DES ENVIRONNEMENTS NON COUVERTS PAR LE SYSTEME MONDIAL DE LOCALISATION (GPS)**
[72] KONOTOV, TAMIR LEO, IL
[72] GABBAY, RONEN, IL
[71] TREKACE TECHNOLOGIES LTD., IL
[71] GABBAY, RONEN, IL
[85] 2019-03-07
[86] 2017-09-12 (PCT/IL2017/051026)
[87] (WO2018/051337)
[30] US (62/393,666) 2016-09-13

[21] **3,036,154**
[13] A1

[51] **Int.Cl. A61K 31/00 (2006.01) A61K 36/00 (2006.01) A61K 47/42 (2017.01) B01D 3/00 (2006.01)**
[25] EN
[54] **PLANT MATTER SMOKE AND VAPOR COLLECTION DEVICE**
[54] **DISPOSITIF DE COLLECTE DE FUMEE ET DE VAPEUR DE MATIERE VEGETALE**
[72] COHEN, SHMUEL, IL
[72] LEVINE, WILLIAM Z., IL
[71] IZUN PHARMACEUTICALS CORP., US
[85] 2019-03-07
[86] 2017-09-12 (PCT/IL2017/051030)
[87] (WO2018/047190)
[30] US (62/393,284) 2016-09-12

[21] **3,036,156**
[13] A1

[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01) A61B 17/34 (2006.01) A61H 39/08 (2006.01) A61M 5/20 (2006.01)**
[25] EN
[54] **UNIVERSAL HOLDER FOR AN INSERTABLE MEDICAL TOOL**
[54] **SUPPORT UNIVERSEL POUR UN INSTRUMENT MEDICAL INSERABLE**
[72] GALILI, BEN, IL
[72] SCHENK, FRANK, IL
[72] SHARON, SIMON, IL
[72] PERLMAN, DANNA, IL
[72] GADON, EDNA, IL
[71] XACT ROBOTICS LTD., IL
[85] 2019-03-07
[86] 2017-09-24 (PCT/IL2017/051066)
[87] (WO2018/055621)
[30] US (62/495,759) 2016-09-23

[21] **3,036,160**
[13] A1

[51] **Int.Cl. G08G 1/16 (2006.01) B60K 31/00 (2006.01) B60R 21/00 (2006.01) B60T 7/12 (2006.01) B62D 6/00 (2006.01)**
[25] EN
[54] **VEHICLE TRAVEL CONTROL METHOD AND TRAVEL CONTROL DEVICE**
[54] **PROCEDE ET DISPOSITIF DE COMMANDE DE DEPLACEMENT DE VEHICULE**
[72] SHIMAKAGE, MASAYASU, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2019-03-07
[86] 2016-09-09 (PCT/JP2016/076599)
[87] (WO2018/047291)

[21] **3,036,162**
[13] A1

[51] **Int.Cl. C09K 11/02 (2006.01) C09K 3/30 (2006.01) C09K 11/07 (2006.01)**
[25] EN
[54] **CHEMILUMINESCENT AEROSOL PRODUCT**
[54] **PRODUIT AEROSOL CHIMIOLUMINESCENT**
[72] TSUBOUCHI, MAKOTO, JP
[72] KOSHIZUKA, KEISUKE, JP
[72] NAKAJIMA, YASUTOMO, JP
[72] TSUNODA, SHINICHI, JP
[72] ITO, MASAYA, JP
[72] HARADA, SHIRO, JP
[71] TOYO AEROSOL INDUSTRY CO., LTD., JP
[85] 2019-03-07
[86] 2016-09-15 (PCT/JP2016/077227)
[87] (WO2018/051449)

[21] **3,036,164**
[13] A1

[51] **Int.Cl. G02B 6/24 (2006.01)**
[25] EN
[54] **OPTICAL FIBER HOLDER**
[54] **PORTE-FIBRES OPTIQUES**
[72] SATO, RYUICHIRO, JP
[72] TAKAYANAGI, HIROSHI, JP
[72] NAKAMURA, HIROSHI, JP
[71] SEI OPTIFRONTIER CO., LTD., JP
[85] 2019-03-07
[86] 2017-07-28 (PCT/JP2017/027458)
[87] (WO2018/047513)
[30] JP (2016-176353) 2016-09-09

[21] **3,036,167**
[13] A1

[51] **Int.Cl. A61M 15/00 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **TRIGGER MECHANISM FOR AN INHALER**
[54] **MECANISME DE DECLENCHEMENT POUR UN INHALATEUR**
[72] STUART, ADAM J., GB
[72] HODSON, PETER D., GB
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2019-03-07
[86] 2017-09-05 (PCT/US2017/050067)
[87] (WO2018/048797)
[30] GB (1615182.1) 2016-09-07

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[21] **3,036,177**
[13] A1

[51] **Int.Cl. B60T 17/22 (2006.01) B60T 13/68 (2006.01)**

[25] EN

[54] **PNEUMATIC CONFIGURATION MODULE FOR ELECTRONIC AIR BRAKE SYSTEM**

[54] **MODULE DE CONFIGURATION PNEUMATIQUE POUR SYSTEME DE FREIN PNEUMATIQUE ELECTRONIQUE**

[72] LEONARD, ERICH, US
[72] VILAETIS, KONSTANTINOS, US
[72] KINTISH, BEN, US
[71] NEW YORK AIR BRAKE LLC, US
[85] 2019-03-07
[86] 2016-09-16 (PCT/US2016/052038)
[87] (WO2018/052436)
[30] US (15/267,237) 2016-09-16

[21] **3,036,178**
[13] A1

[51] **Int.Cl. C01F 7/14 (2006.01) C01F 7/02 (2006.01) C01F 7/08 (2006.01)**

[25] EN

[54] **OIL-FREE CRYSTAL GROWTH MODIFIERS FOR THE BAYER PROCESS**

[54] **MODIFICATEURS DE CROISSANCE DE CRISTAUX EXEMPTS D'HUILE POUR LE PROCEDE BAYER**

[72] STIGERS, DANNON, US
[72] ANDERSON, MARIE E., US
[71] CYTEC INDUSTRIES INC., US
[85] 2019-03-07
[86] 2017-09-06 (PCT/US2017/050148)
[87] (WO2018/048820)
[30] US (62/385,561) 2016-09-09

[21] **3,036,179**
[13] A1

[51] **Int.Cl. A61B 1/06 (2006.01) A61B 1/045 (2006.01) H04N 5/225 (2006.01) H04N 5/232 (2006.01) H04N 5/235 (2006.01)**

[25] EN

[54] **WIRELESS ENDOSCOPE**

[54] **ENDOSCOPE SANS FIL**

[72] LESCH, PAUL, US
[72] DOWDY, CLIFF, US
[71] ENTELLUS MEDICAL, INC., US
[85] 2019-03-07
[86] 2017-02-09 (PCT/US2017/017199)
[87] (WO2018/048466)
[30] US (62/385,892) 2016-09-09

[21] **3,036,185**
[13] A1

[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/05 (2006.01) A61N 1/37 (2006.01) A61N 1/39 (2006.01)**

[25] EN

[54] **PULSE DEFINITION CIRCUITRY FOR CREATING STIMULATION WAVEFORMS IN AN IMPLANTABLE PULSE GENERATOR**

[54] **CIRCUITS DE DEFINITION D'IMPULSION POUR CREER DES FORMES D'ONDE DE STIMULATION DANS UN GENERATEUR D'IMPULSIONS IMPLANTABLE**

[72] WEISS, PHILIP LEONARD, US
[72] MARNFELDT, GORAN N., US
[72] WAGENBACH, DAVID MICHAEL, US
[71] BOSTON SCIENTIFIC NEUROMODULATION CORPORATION, US
[85] 2019-03-07
[86] 2017-09-06 (PCT/US2017/050305)
[87] (WO2018/048920)
[30] US (62/386,000) 2016-09-10
[30] US (15/696,031) 2017-09-05

[21] **3,036,186**
[13] A1

[51] **Int.Cl. G01N 33/49 (2006.01) G01N 21/21 (2006.01) G01N 21/59 (2006.01) G01N 33/487 (2006.01) G01N 35/00 (2006.01)**

[25] EN

[54] **DIAGNOSTICS SYSTEMS AND METHODS**

[54] **SYSTEMES ET PROCEDES DE DIAGNOSTIC**

[72] GALEN, PETER, US
[72] SAYLER, DAVID JOHN, US
[72] HOYT, JOSHUA KING, US
[72] GRUPP, DANIEL E., US
[72] GRIMBERG, BRIAN T., US
[72] GURKAN, UMUT ATAKAN, US
[71] HEMEX HEALTH, INC., US
[85] 2019-03-07
[86] 2017-05-18 (PCT/US2017/033409)
[87] (WO2018/048488)
[30] US (62/385,146) 2016-09-08

[21] **3,036,188**
[13] A1

[51] **Int.Cl. C07C 67/08 (2006.01) C08G 18/42 (2006.01) C08G 63/66 (2006.01) C08G 63/668 (2006.01)**

[25] FR

[54] **RIGID FOAM COMPRISING A POLYESTER POLYOL**

[54] **MOUSSE RIGIDE COMPRENANT UN POLYOL POLYESTER**

[72] BINDSCHEDLER, PIERRE ETIENNE, FR
[72] SARBU, ALEXANDRU, FR
[72] LAURICHESSE, STEPHANIE, FR
[72] PERRIN, REMI, FR
[72] FURTWENGLER, PIERRE, FR
[72] AVEROUS, LUC, FR
[72] REDL, ANDREAS, BE
[71] TEREOS STARCH & SWEETENERS BELGIUM, BE
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] SOCIETE SOPREMA SAS, FR
[71] UNIVERSITE DE STRASBOURG, FR
[85] 2019-02-22
[86] 2017-08-24 (PCT/IB2017/055110)
[87] (WO2018/037373)
[30] FR (16/01253) 2016-08-24

[21] **3,036,191**
[13] A1

[51] **Int.Cl. C25D 7/00 (2006.01) C25D 5/10 (2006.01) C25D 5/14 (2006.01) C25D 5/18 (2006.01) C25D 17/16 (2006.01) C25D 17/20 (2006.01) C25D 17/26 (2006.01)**

[25] EN

[54] **PROCESSES FOR PROVIDING LAMINATED COATINGS ON WORKPIECES, AND ARTICLES MADE THEREFROM**

[54] **PROCEDES POUR OBTENIR DES REVETEMENTS STRATIFIES SUR DES PIECES ET ARTICLES FABRIQUES A PARTIR DE CEUX-CI**

[72] MORGAN, RICHARD JAMES, US
[72] LI, GUOHUA, US
[72] LOMASNEY, CHRISTINA ANN, US
[71] MODUMETAL, INC., US
[85] 2019-03-07
[86] 2017-09-07 (PCT/US2017/050533)
[87] (WO2018/049062)
[30] US (62/385,071) 2016-09-08

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[13] A1

[51] **Int.Cl. A61B 34/30 (2016.01) A61B 90/50 (2016.01) A61B 17/34 (2006.01)**
[25] EN
[54] **SURGICAL ROBOTIC ACCESS SYSTEM FOR IRREGULARLY SHAPED ROBOTIC ACTUATORS AND ASSOCIATED ROBOTIC SURGICAL INSTRUMENTS**
[54] **SYSTEME D'ACCES CHIRURGICAL ROBOTISE POUR ACTIONNEURS ROBOTISES DE FORME IRREGULIERE ET INSTRUMENTS CHIRURGICAUX ROBOTIQUES ASSOCIES**
[72] BECERRA, MATTHEW, US
[72] ALBRECHT, JEREMY, US
[72] HOPKINS, TIMOTHY, US
[72] PUGH, BRIAN, US
[72] HONG, BRIAN, US
[72] VU, BRUNO, US
[71] APPLIED MEDICAL RESOURCES CORPORATION, US
[85] 2019-03-07
[86] 2017-09-06 (PCT/US2017/050340)
[87] (WO2018/048948)
[30] US (62/393,305) 2016-09-12

[21] **3,036,193**
[13] A1

[51] **Int.Cl. G08G 1/056 (2006.01)**
[25] EN
[54] **VEHICLE TURN DETECTION**
[54] **DETECTION DE VIRAGE DE VEHICULE**
[72] NAGPAL, VARUN, US
[72] MUKHTAR, YASIR, US
[72] SNYDER, JARED S., US
[72] WALSH, CONNOR, US
[71] ARITY INTERNATIONAL LIMITED, GB
[85] 2019-02-25
[86] 2017-08-29 (PCT/US2017/049120)
[87] (WO2018/044890)
[30] US (15/251,556) 2016-08-30

[21] **3,036,195**
[13] A1

[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/4155 (2006.01) A61K 31/4412 (2006.01) A61P 3/00 (2006.01) A61P 35/00 (2006.01) C07D 401/04 (2006.01)**
[25] EN
[54] **DI-SUBSTITUTED PYRAZOLE COMPOUNDS FOR THE TREATMENT OF DISEASES**
[54] **COMPOSES DE PYRAZOLE DI-SUBSTITUES POUR LE TRAITEMENT DE MALADIES**
[72] UESUGI, MOTONARI, JP
[72] KINCAID, JOHN, US
[72] HUFF, JOEL, US
[71] FGH BIOTECH, INC., US
[85] 2019-03-07
[86] 2017-09-07 (PCT/US2017/050562)
[87] (WO2018/049080)
[30] US (62/384,661) 2016-09-07
[30] US (62/438,944) 2016-12-23

[21] **3,036,197**
[13] A1

[51] **Int.Cl. A61K 35/744 (2015.01) A61K 35/747 (2015.01) A23L 33/135 (2016.01) A61K 35/74 (2015.01) A61P 27/02 (2006.01) A61P 29/00 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **COMPOSITION FOR SUPPRESSING OR IMPROVING EYE FATIGUE**
[54] **COMPOSITION POUR PREVENIR OU AMELIORER LA FATIGUE OCULAIRE**
[72] KURIHARA, TOSHIHIDE, JP
[72] MORITA, YUJI, JP
[72] JONAI, KENTA, JP
[72] FUJIWARA, DAISUKE, JP
[71] KIRIN KABUSHIKI KAISHA, JP
[85] 2019-03-07
[86] 2017-09-08 (PCT/JP2017/032398)
[87] (WO2018/047930)
[30] JP (2016-177039) 2016-09-09

[21] **3,036,198**
[13] A1

[51] **Int.Cl. G01N 33/483 (2006.01) C12Q 1/37 (2006.01) G01N 1/28 (2006.01) G01N 1/36 (2006.01)**
[25] EN
[54] **SRM/MRM ASSAY FOR THE TUBULIN BETA-3 CHAIN (TUBB3) PROTEIN**
[54] **DOSAGE SRM/MRM POUR LA PROTEINE DE LA CHAINE BETA-3 DE LA TUBULINE (TUBB3)**
[72] HEMBROUGH, TODD, US
[72] CECCHI, FABIOLA, US
[72] SCHWARTZ, SARIT, US
[71] EXPRESSION PATHOLOGY, INC., US
[85] 2019-03-07
[86] 2017-09-07 (PCT/US2017/050472)
[87] (WO2018/049026)
[30] US (62/384,202) 2016-09-07
[30] US (62/402,984) 2016-09-30

[21] **3,036,200**
[13] A1

[51] **Int.Cl. A23F 5/32 (2006.01) A23L 3/44 (2006.01) A61K 9/19 (2006.01) F26B 5/06 (2006.01)**
[25] EN
[54] **ENERGY RECOVERY IN A FREEZE-DRYING SYSTEM**
[54] **RECUPERATION D'ENERGIE DANS UN SYSTEME DE LYOPHILISATION**
[72] DERN, CHARLES D., US
[71] SP INDUSTRIES, INC., US
[85] 2019-03-07
[86] 2017-09-08 (PCT/US2017/050705)
[87] (WO2018/049179)
[30] US (15/260,539) 2016-09-09

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[21] **3,036,201**
[13] A1

[51] **Int.Cl. A61K 31/07 (2006.01) A61K 31/404 (2006.01) A61P 17/00 (2006.01) A61P 17/10 (2006.01)**

[25] EN

[54] **SUBLINGUAL OR BUCCAL ADMINISTRATION OF DIM FOR TREATMENT OF SKIN DISEASES ADMINISTRATION SUBLINGUALE OU BUCCALE DE DIM POUR LE TRAITEMENT DE MALADIES DE LA PEAU**

[72] SCAIFE, MICHAEL C., US

[71] SKINTECH LIFE SCIENCE LIMITED, GB

[85] 2019-03-07

[86] 2017-09-15 (PCT/IB2017/001290)

[87] (WO2018/051183)

[30] US (62/395,234) 2016-09-15

[21] **3,036,202**
[13] A1

[51] **Int.Cl. A61K 31/69 (2006.01) A61K 39/00 (2006.01) A61K 45/06 (2006.01)**

[25] EN

[54] **COMBINATION THERAPIES USING IMMUNO-DASH INHIBITORS AND PGE2 ANTAGONISTS**

[54] **POLYTHERAPIES METTANT EN OEUVRE DES INHIBITEURS D'IMMUNO-DASH ET DES ANTAGONISTES DE PGE2**

[72] BACHOVCHIN, WILLIAM W., US

[72] LAI, HUNG-SEN, US

[72] WU, WENGEN, US

[71] TRUSTEES OF TUFTS COLLEGE, US

[85] 2019-03-07

[86] 2017-09-07 (PCT/US2017/050474)

[87] (WO2018/049027)

[30] US (62/384,403) 2016-09-07

[30] US (62/384,407) 2016-09-07

[30] US (62/482,750) 2017-04-07

[21] **3,036,203**
[13] A1

[51] **Int.Cl. B67D 7/74 (2010.01)**

[25] EN

[54] **PROACTIVE DISPENSER TO OPERATOR MOBILE ALERT SYSTEM**

[54] **DISTRIBUTEUR PROACTIF POUR SYSTEME D'ALERTE MOBILE D'OPERATEUR**

[72] JOSHI, UDAYAN, US

[72] KATZ, MARC, US

[72] ARNWINE, MATTHEW, US

[72] HARRISON, SCOTT, US

[71] THE COCA-COLA COMPANY, US

[85] 2019-03-07

[86] 2017-09-08 (PCT/US2017/050732)

[87] (WO2018/049195)

[30] US (62/385,160) 2016-09-08

[21] **3,036,204**
[13] A1

[51] **Int.Cl. A47C 27/08 (2006.01) A61F 7/08 (2006.01)**

[25] EN

[54] **MATTRESS AIR SUPPLY**

[54] **ALIMENTATION EN AIR DE MATELAS**

[72] DORSHORST, CHRISTINE, US

[71] MEDLINE INDUSTRIES, INC., US

[85] 2019-03-07

[86] 2017-08-10 (PCT/US2017/046257)

[87] (WO2018/057144)

[30] US (62/399,720) 2016-09-26

[21] **3,036,205**
[13] A1

[51] **Int.Cl. A61F 9/008 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR OBTAINING IRIS REGISTRATION AND PUPIL CENTRATION FOR LASER SURGERY**

[54] **SYSTEMES ET PROCEDES D'OBTENTION D'ALIGNEMENT D'IRIS ET DE CENTRAGE DE PUPILLE POUR CHIRURGIE AU LASER**

[72] CHEN, LI, US

[72] CHERNYAK, DIMITRI, US

[71] AMO DEVELOPMENT, LLC, US

[85] 2019-03-07

[86] 2017-09-08 (PCT/US2017/050779)

[87] (WO2018/049230)

[30] US (62/385,147) 2016-09-08

[21] **3,036,206**
[13] A1

[51] **Int.Cl. B05B 1/18 (2006.01) B05B 1/30 (2006.01) E03C 1/04 (2006.01) F16K 31/53 (2006.01)**

[25] EN

[54] **PAUSE ASSEMBLY FOR SHOWERHEADS**

[54] **ENSEMBLE PAUSE POUR POMMES DE DOUCHE**

[72] ROGERS, CRAIG P., US

[72] QUINN, MICHAEL J., US

[71] WATER PIK, INC., US

[85] 2019-03-07

[86] 2017-09-08 (PCT/US2017/050756)

[87] (WO2018/049213)

[30] US (62/384,870) 2016-09-08

[21] **3,036,207**
[13] A1

[51] **Int.Cl. A61B 5/15 (2006.01) G01N 27/26 (2006.01) G01N 33/561 (2006.01) G01N 33/72 (2006.01)**

[25] EN

[54] **DIAGNOSTICS SYSTEMS AND METHODS**

[54] **SYSTEMES ET PROCEDES DE DIAGNOSTIC**

[72] GALEN, PETER, US

[72] GURKAN, UMUT ATAKAN, US

[72] FRAIWAN, ARWA, US

[72] HASAN, MUHAMMAD NOMAN, US

[72] GRUPP, DANIEL E., US

[72] HOYT, JOSHUA KING, US

[72] THORNE, JAMES, US

[72] GRIMBERG, BRIAN T., US

[71] HEMEX HEALTH, INC., US

[85] 2019-03-07

[86] 2017-09-08 (PCT/US2017/050809)

[87] (WO2018/049253)

[30] US (62/385,146) 2016-09-08

[30] US (15/599,368) 2017-05-18

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[21] **3,036,208**
[13] A1

[51] **Int.Cl. G02B 27/01 (2006.01) G06F 3/00 (2006.01) G06F 3/01 (2006.01) G09B 21/00 (2006.01) G10L 15/00 (2013.01)**

[25] EN
[54] **SENSORY EYEWEAR**
[54] **LUNETTES SENSORIELLES**
[72] BROWY, ERIC, US
[72] WOODS, MICHAEL JANUSZ, US
[72] RABINOVICH, ANDREW, US
[71] MAGIC LEAP, INC., US
[85] 2019-03-04
[86] 2017-09-12 (PCT/US2017/051173)
[87] (WO2018/052901)
[30] US (62/394,013) 2016-09-13
[30] US (62/440,320) 2016-12-29

[21] **3,036,209**
[13] A1

[51] **Int.Cl. A61B 18/14 (2006.01)**

[25] EN
[54] **METHODS AND APPARATUS FOR ELECTROSURGICAL ILLUMINATION**
[54] **PROCEDES ET APPAREIL POUR ECLAIRAGE ELECTROCHIRURGICAL**
[72] VAYSER, ALEX, US
[71] INVUITY, INC., US
[85] 2019-03-07
[86] 2017-09-15 (PCT/US2017/051719)
[87] (WO2018/053229)
[30] US (62/395,529) 2016-09-16

[21] **3,036,210**
[13] A1

[51] **Int.Cl. E04C 3/04 (2006.01) E04C 3/02 (2006.01)**

[25] EN
[54] **A LINTEL**
[54] **UN LINTEAU**
[72] NG, WEE BENG, SG
[72] WYATT, GARY DONALD, AU
[71] 2ELMS PTE. LTD., SG
[85] 2019-03-07
[86] 2017-08-29 (PCT/SG2017/050425)
[87] (WO2018/048347)
[30] SG (10201607534S) 2016-09-09

[21] **3,036,211**
[13] A1

[51] **Int.Cl. B25B 21/00 (2006.01) B25B 23/00 (2006.01) B25F 5/00 (2006.01)**

[25] EN
[54] **APPARATUS FOR TIGHTENING THREADED FASTENERS**
[54] **APPAREIL DE SERRAGE D'ELEMENTS DE FIXATION FILETES**
[72] FORTOLOCZKI, PETER E., US
[71] HYTORC DIVISION UNEX CORPORATION, US
[85] 2019-03-07
[86] 2017-08-08 (PCT/US2017/045937)
[87] (WO2018/031566)
[30] US (62/371,900) 2016-08-08

[21] **3,036,212**
[13] A1

[51] **Int.Cl. E05B 47/06 (2006.01) E05B 1/04 (2006.01) E05B 9/02 (2006.01) E05B 49/02 (2006.01)**

[25] EN
[54] **CHANNEL GASKET AND PLUG FOR ELECTROMECHANICAL LOCK**
[54] **JOINT DE CANAL ET OBTURATEUR POUR SERRURE ELECTROMECHANIQUE**
[72] MORSTATT, SCOTT, US
[72] WONG, PIERRE, US
[72] BABCOCK, CRAIG, US
[72] CATERINO, MARK A., US
[71] YALE SECURITY, INC., US
[85] 2019-03-04
[86] 2017-10-31 (PCT/US2017/059147)
[87] (WO2018/081760)
[30] US (62/415,126) 2016-10-31
[30] US (15/797,184) 2017-10-30

[21] **3,036,214**
[13] A1

[51] **Int.Cl. E05D 7/04 (2006.01) E05D 5/04 (2006.01) E05D 7/10 (2006.01)**

[25] EN
[54] **ADJUSTABLE FITTING FOR A DOOR**
[54] **FERRURE REGLABLE POUR UNE PORTE**
[72] ALFREDSSON, BENGT-AKE, SE
[71] INDUSTRILAS I NASSJO AKTIEBOLAG, SE
[85] 2019-03-07
[86] 2017-09-14 (PCT/EP2017/073085)
[87] (WO2018/050727)
[30] EP (16188882.1) 2016-09-15

[21] **3,036,215**
[13] A1

[51] **Int.Cl. H01R 9/05 (2006.01) H01R 24/40 (2011.01) H01R 24/50 (2011.01) H01R 13/518 (2006.01)**

[25] EN
[54] **RF CONNECTOR SYSTEM**
[54] **SYSTEME DE CONNCTEUR RF**
[72] YI, CHONG HUN, US
[71] TE CONNECTIVITY CORPORATION, US
[85] 2019-03-07
[86] 2017-09-13 (PCT/IB2017/055523)
[87] (WO2018/051241)
[30] US (15/265,312) 2016-09-14

[21] **3,036,217**
[13] A1

[51] **Int.Cl. C07C 55/06 (2006.01) C07C 51/02 (2006.01) C07C 51/48 (2006.01)**

[25] EN
[54] **RECOVERY OF OXALIC ACID FROM INDUSTRIAL FERROUS OXALATE**
[54] **RECUPERATION D'ACIDE OXALIQUE A PARTIR D'OXALATE FERREUX INDUSTRIEL**
[72] SCHAPIRO, REUBEN DAVID, IL
[72] SHAPIRO, LEV, IL
[72] BOIKO, VLADIMIR (DECEASED), ZZ
[71] TAL OR ECOLOGY LTD., IL
[85] 2019-03-07
[86] 2017-09-11 (PCT/IL2017/051021)
[87] (WO2018/047184)
[30] US (62/393,153) 2016-09-12

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[21] **3,036,218**
[13] A1

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[25] EN
[54] **VACCINES COMPRISING MYCOBACTERIUM LEPRAE POLYPEPTIDES FOR THE PREVENTION, TREATMENT, AND DIAGNOSIS OF LEPROSY**
[54] **VACCINS COMPRENANT DES POLYPEPTIDES DE MYCOBACTERIUM LEPRAE POUR LA PREVENTION, LE TRAITEMENT ET LE DIAGNOSTIC DE LA LEPRE**
[72] REED, STEVEN G., US
[72] DUTHIE, MALCOLM S., US
[71] INFECTIOUS DISEASE RESEARCH INSTITUTE, US
[85] 2019-03-07
[86] 2017-09-15 (PCT/US2017/051824)
[87] (WO2018/053294)
[30] US (62/396,074) 2016-09-16

[21] **3,036,219**
[13] A1

[51] **Int.Cl. A43B 7/14 (2006.01) A43B 7/20 (2006.01) A43B 23/22 (2006.01) A61F 5/01 (2006.01) A61F 5/05 (2006.01)**
[25] EN
[54] **ANKLE BRACE**
[54] **ATTELLE DE CHEVILLE**
[72] GILDERSLEEVE, RICHARD E., US
[72] ANDERSON, ROBERT J., US
[72] BERLET, GREGORY CHARLES, US
[72] DAVIS, W. HODGES, US
[72] BUCHHORN, TOMAS, US
[71] DJO, LLC, US
[85] 2019-03-07
[86] 2017-09-08 (PCT/US2017/050820)
[87] (WO2018/049259)
[30] US (62/385,824) 2016-09-09

[21] **3,036,220**
[13] A1

[51] **Int.Cl. B65D 5/64 (2006.01) B65D 43/02 (2006.01) B65D 43/06 (2006.01)**
[25] EN
[54] **LID FOR A REUSABLE PLASTIC CONTAINER**
[54] **COUVERCLE DESTINE A UN RECIPIENT EN PLASTIQUE REUTILISABLE**
[72] HODGE, SHAWN MORRIS, US
[71] WALMART APOLLO, LLC, US
[85] 2019-03-07
[86] 2017-09-18 (PCT/US2017/051992)
[87] (WO2018/053391)
[30] US (62/396,698) 2016-09-19

[21] **3,036,221**
[13] A1

[51] **Int.Cl. H05B 1/02 (2006.01) G05B 13/04 (2006.01) G05D 23/32 (2006.01) H05B 6/06 (2006.01)**
[25] EN
[54] **ADAPTIVE THERMAL CONTROL FOR A COOKING SYSTEM**
[54] **COMMANDE THERMIQUE ADAPTATIVE POUR UN SYSTEME DE CUISSON**
[72] VENGROFF, DARREN ERIK, US
[71] MEYER INTELLECTUAL PROPERTIES LIMITED, CN
[71] VENGROFF, DARREN ERIK, US
[85] 2019-03-07
[86] 2017-09-08 (PCT/US2017/050842)
[87] (WO2018/049276)
[30] US (62/384,955) 2016-09-08
[30] US (15/699,807) 2017-09-08

[21] **3,036,222**
[13] A1

[51] **Int.Cl. E21B 41/00 (2006.01) E21B 7/00 (2006.01) E21B 43/25 (2006.01)**
[25] EN
[54] **DRILLING AND STIMULATING OF SUBTERRANEAN FORMATION**
[54] **FORAGE ET SIMULATION DE FORMATION SOUTERRAINE**
[72] POTAPENKO, DMITRIY IVANOVICH, US
[72] UTTER, ROBERT, US
[72] PIPCHUK, DOUGLAS, GB
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2019-03-07
[86] 2017-09-11 (PCT/US2017/050924)
[87] (WO2018/049311)
[30] US (62/385,671) 2016-09-09

[21] **3,036,223**
[13] A1

[51] **Int.Cl. A41D 27/24 (2006.01) A41D 27/28 (2006.01) A41D 31/00 (2019.01)**
[25] EN
[54] **INSULATED VENTED GARMENT FORMED USING NON-WOVEN POLYMER SHEETS**
[54] **VETEMENT VENTILE ISOLE FORME A L'AIDE DE FEUILLES DE POLYMERE NON TISSEES**
[72] PEZZIMENTI, LUKE A., US
[72] NOLL, ERIC R., US
[72] INGRAM, JEFFREY K., US
[71] NIKE INNOVATE C.V., US
[85] 2019-03-07
[86] 2017-10-04 (PCT/US2017/055094)
[87] (WO2018/067675)
[30] US (15/286,913) 2016-10-06

[21] **3,036,224**
[13] A1

[51] **Int.Cl. A61C 5/62 (2017.01) A61C 5/55 (2017.01) A61C 5/66 (2017.01)**
[25] EN
[54] **SYSTEM FOR PROVIDING ENDODONTIC MATERIAL USING INDUCTION HEATING**
[54] **SYSTEME SERVANT A FOURNIR UN MATERIAU ENDODONTIQUE A L'AIDE D'UN CHAUFFAGE PAR INDUCTION**
[72] LI, NATHAN, US
[71] TULSA DENTAL PRODUCTS LLC, US
[85] 2019-03-07
[86] 2017-09-11 (PCT/US2017/050974)
[87] (WO2018/049334)
[30] US (62/393,030) 2016-09-11
[30] US (62/393,029) 2016-09-11

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[21] **3,036,225**
[13] A1

[51] **Int.Cl. A41D 27/24 (2006.01) A41D 27/28 (2006.01) A41D 31/00 (2019.01)**

[25] EN

[54] **INSULATED VENTED GARMENT FORMED USING SECTIONS OF NON-WOVEN POLYMER MATERIAL**

[54] **VETEMENT ISOLANT VENTILE FORME A L'AIDE DE SECTIONS DE MATERIAU POLYMERE NON TISSE**

[72] PEZZIMENTI, LUKE A., US

[72] SZE, KEVIN C., US

[72] KOSHKAROFF, IUSTINIA, US

[71] NIKE INNOVATE C.V., US

[85] 2019-03-07

[86] 2017-10-04 (PCT/US2017/055095)

[87] (WO2018/067676)

[30] US (15/286,929) 2016-10-06

[21] **3,036,226**
[13] A1

[51] **Int.Cl. G06F 9/50 (2006.01) H04L 12/773 (2013.01)**

[25] EN

[54] **PACKET PROCESSING FRAMEWORK**

[54] **INFRASTRUCTURE DE TRAITEMENT DE PAQUETS**

[72] LARSON, MICHAEL DAVID, US

[71] AT&T INTELLECTUAL PROPERTY I, L.P., US

[85] 2019-03-07

[86] 2017-09-11 (PCT/US2017/051006)

[87] (WO2018/063786)

[30] US (62/402,884) 2016-09-30

[30] US (15/338,087) 2016-10-28

[21] **3,036,227**
[13] A1

[51] **Int.Cl. E21B 47/00 (2012.01) E21B 41/00 (2006.01) G01N 27/72 (2006.01)**

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[54] **SELECTIVE TEST TOOL**

[54] **OUTIL D'ESSAI SELECTIF**

[72] WILLIAMSON, JIMMIE ROBERT, JR., US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2019-03-06

[86] 2016-11-09 (PCT/US2016/061166)

[87] (WO2018/089000)

[21] **3,036,228**
[13] A1

[51] **Int.Cl. G01H 17/00 (2006.01) G01D 5/12 (2006.01)**

[25] EN

[54] **TRANSLATABLE EAT SENSING MODULES AND ASSOCIATED MEASUREMENT METHODS**

[54] **MODULES DE DETECTION A TECHNOLOGIE ELECTROACOUSTIQUE DEPLACABLES PAR TRANSLATION ET PROCEDES DE MESURE ASSOCIES**

[72] JAASKELAINEN, MIKKO, US

[72] BENJAMIN, SELDON DAVID, US

[72] PARK, BRIAN V., US

[72] THERRIEN, JASON E., US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2019-03-07

[86] 2016-12-01 (PCT/US2016/064338)

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[21] **3,036,229**
[13] A1

[51] **Int.Cl. A61B 17/80 (2006.01)**

[25] EN

[54] **VARIABLE ANGLE BONE PLATE**

[54] **PLAQUE OSSEUSE A ANGLE VARIABLE**

[72] LOPEZ, ERASMO A., US

[72] SNYDER, KRISTINA, US

[72] KWAK, SEUNG-KYU DANIEL, US

[72] JONES, DYLAN, US

[72] COUGHLIN, ROBERT, US

[72] NICOLETTI, TIMOTHY, US

[71] DEPUY SYNTHES PRODUCTS, INC., US

[85] 2019-03-07

[86] 2017-08-29 (PCT/US2017/049013)

[87] (WO2018/048664)

[30] US (62/385,069) 2016-09-08

[30] US (15/260,588) 2016-09-09

[21] **3,036,230**
[13] A1

[51] **Int.Cl. A61K 31/4535 (2006.01) A61P 31/12 (2006.01)**

[25] EN

[54] **MAST CELL STABILIZERS FOR TREATMENT OF HYPERCYTOKINEMIA AND VIRAL INFECTION**

[54] **STABILISATEURS DE MASTOCYTES POUR LE TRAITEMENT DE L'HYPERCYTOKINEMIE ET L'INFECTION VIRALE**

[72] HYDE-DERUYSCHER, ROBIN PARISH, US

[72] HYDE-DERUYSCHER, NANCY HARLAN, US

[72] HYDE-DERUYSCHER, ELICIA KRISTINE, US

[71] EMERGO THERAPEUTICS, INC., US

[85] 2019-03-07

[86] 2017-09-07 (PCT/US2017/050409)

[87] (WO2018/048989)

[30] US (62/385,021) 2016-09-08

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[13] A1

[51] **Int.Cl. A61B 17/80 (2006.01)**

[25] EN

[54] **VARIABLE ANGLE BONE PLATE**

[54] **PLAQUE OSSEUSE A ANGLE VARIABLE**

[72] LOPEZ, ERASMO A., US

[72] SNYDER, KRISTINA, US

[71] DEPUY SYNTHES PRODUCTS, INC., US

[85] 2019-03-07

[86] 2017-08-29 (PCT/US2017/049050)

[87] (WO2018/048668)

[30] US (62/385,107) 2016-09-08

[30] US (15/260,919) 2016-09-09

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[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) A61P 37/04 (2006.01) C07K 16/18 (2006.01) G01N 33/53 (2006.01) C07K 14/705 (2006.01)**

[25] EN

[54] **NEUTRALIZING ANTIBODIES TO THE .ALPHA.V.BETA.8 INTEGRIN COMPLEX FOR IMMUNOTHERAPY**

[54] **ANTICORPS NEUTRALISANTS DIRIGES CONTRE LE COMPLEXE D'INTEGRINE .ALPHA.V.BETA.8 POUR L'IMMUNOTHERAPIE**

[72] NISHIMURA, STEPHEN L., US

[72] LOU, JIANLONG, US

[72] MARKS, JAMES D., US

[72] BARON, JODY L., US

[72] CHENG, YIFAN, US

[72] WU, SHENPING, US

[72] CORMIER, ANTHONY, US

[72] TAKASAKA, NAOKI, US

[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[85] 2019-03-07

[86] 2017-09-29 (PCT/US2017/054306)

[87] (WO2018/064478)

[30] US (62/401,570) 2016-09-29

[30] US (62/529,381) 2017-07-06

[21] **3,036,233**
[13] A1

[51] **Int.Cl. C12N 5/077 (2010.01) A61K 35/34 (2015.01)**

[25] EN

[54] **PRIMED CARDIAC PROGENITORS AND METHODS FOR MAKING AND USING SAME**

[54] **PROGENITEURS CARDIAQUES SENSIBILISES ET PROCEDES POUR LES PREPARER ET LES UTILISER**

[72] BIERMANN, MITCH JAMES, US

[72] KAMP, TIMOTHY JOSEPH, US

[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US

[85] 2019-03-07

[86] 2017-09-29 (PCT/US2017/054507)

[87] (WO2018/064580)

[30] US (62/402,785) 2016-09-30

[21] **3,036,234**
[13] A1

[51] **Int.Cl. A01H 1/02 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR GENOME EDITING VIA HAPLOID INDUCTION**

[54] **METHODES ET COMPOSITIONS D'EDITION GENOMIQUE PAR INDUCTION D'HAPLOIDE**

[72] ARMSTRONG, CHARLES L., US

[72] CARGILL, EDWARD J., US

[72] DONG, FENGGAO, US

[72] LAMB, JONATHAN C., US

[72] LARUE, HUACHUN W., US

[72] LAWRENCE, RICHARD J., US

[72] REAM, THOMAS S., US

[71] MONSANTO TECHNOLOGY LLC, US

[85] 2019-03-07

[86] 2017-09-13 (PCT/US2017/051248)

[87] (WO2018/052919)

[30] US (62/394,409) 2016-09-14

[21] **3,036,235**
[13] A1

[51] **Int.Cl. A61K 31/704 (2006.01) A61K 9/127 (2006.01) A61K 31/136 (2006.01)**

[25] EN

[54] **LIPSOMAL ANTICANCER COMPOSITIONS**

[54] **COMPOSITIONS ANTICANCEREUSES LIPOSOMALES**

[72] NIKOULIN, IGOR, US

[71] IRISYS, INC., US

[85] 2019-03-07

[86] 2017-09-01 (PCT/US2017/049968)

[87] (WO2018/048752)

[30] US (62/385,763) 2016-09-09

[21] **3,036,236**
[13] A1

[51] **Int.Cl. C10M 163/00 (2006.01)**

[25] EN

[54] **TOTAL BASE NUMBER BOOSTERS FOR MARINE DIESEL ENGINE LUBRICATING COMPOSITIONS**

[54] **AMPLIFICATEURS DE L'INDICE DE BASE TOTAL POUR COMPOSITIONS LUBRIFIANTES DE MOTEUR DIESEL MARIN**

[72] DELBRIDGE, EWAN E., US

[72] GUO, BINBIN, US

[72] PUDELSKI, JOHN K., US

[72] DIFLAVIO, JOHN-LOUIS, US

[71] THE LUBRIZOL CORPORATION, US

[85] 2019-03-07

[86] 2017-09-05 (PCT/US2017/050034)

[87] (WO2018/048781)

[30] US (62/393,242) 2016-09-12

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[13] A1

[51] **Int.Cl. B65D 71/36 (2006.01)**

[25] EN

[54] **CARTON AND CARTON BLANK**

[54] **EMBALLAGE EN CARTON ET DECOUPE D'EMBALLAGE EN CARTON**

[72] MERZEAU, JULIEN D., FR

[72] BLIN, PATRICK, FR

[71] WESTROCK PACKAGING SYSTEMS, LLC, US

[85] 2019-03-07

[86] 2017-09-13 (PCT/US2017/051261)

[87] (WO2018/052929)

[30] US (62/393,852) 2016-09-13

[21] **3,036,238**
[13] A1

[51] **Int.Cl. A61M 15/00 (2006.01) B65D 83/14 (2006.01) B65D 83/16 (2006.01)**

[25] EN

[54] **RESET MECHANISM FOR AN INHALER**

[54] **MECANISME DE REINITIALISATION D'UN INHALATEUR**

[72] STUART, ADAM J., GB

[72] ALLAN, HANNAH J. S., GB

[71] 3M INNOVATIVE PROPERTIES COMPANY, US

[85] 2019-03-07

[86] 2017-09-05 (PCT/US2017/050064)

[87] (WO2018/048795)

[30] GB (1615185.4) 2016-09-07

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[21] **3,036,243**
[13] A1

[51] **Int.Cl. E04B 5/23 (2006.01) E04C 2/12 (2006.01) E04C 2/26 (2006.01) E04C 3/12 (2006.01) E04B 5/02 (2006.01) E04G 23/02 (2006.01)**

[25] EN

[54] **CURVATURE OF TIMBER ELEMENTS**

[54] **SURELEVATION D'ELEMENTS EN BOIS**

[72] MUSTER, MARCEL, CH
[72] ZOLLIG, STEFAN, CH
[72] SIDLER, ERICH, CH
[71] TIMBER STRUCTURES 3.0 AG, CH
[85] 2019-03-07
[86] 2017-08-30 (PCT/IB2017/055214)
[87] (WO2018/047041)
[30] CH (01155/16) 2016-09-07

[21] **3,036,245**
[13] A1

[51] **Int.Cl. C07D 491/052 (2006.01) C07D 401/12 (2006.01)**

[25] EN

[54] **SUBSTITUTED CHROMANE-8-CARBOXAMIDE COMPOUNDS AND ANALOGUES THEREOF, AND METHODS USING SAME**

[54] **COMPOSES DE CHROMANE-8-CARBOXAMIDE SUBSTITUES ET ANALOGUES DE CEUX-CI, ET PROCEDES LES UTILISANT**

[72] COLE, ANDREW G., US
[72] KULTGEN, STEVEN, US
[71] ARBUTUS BIOPHARMA CORPORATION, CA
[85] 2019-03-07
[86] 2017-09-13 (PCT/US2017/051313)
[87] (WO2018/052967)
[30] US (62/393,977) 2016-09-13

[21] **3,036,248**
[13] A1

[51] **Int.Cl. H01L 33/44 (2010.01) H01L 33/48 (2010.01) H01L 33/62 (2010.01) H01L 33/64 (2010.01) H01L 25/075 (2006.01)**

[25] EN

[54] **HEATSINK INCLUDING THICK FILM LAYER FOR UV LED ARRAYS, AND METHODS OF FORMING UV LED ARRAYS**

[54] **DISSIPATEUR THERMIQUE COMPRENANT UNE COUCHE DE FILM EPAIS POUR RESEAUX DE LED UV, ET PROCEDES DE FORMATION DE RESEAUX DE LED UV**

[72] JOHNSON, WILLIAM E., III, US
[72] LEONHARDT, DARRIN, US
[72] GHARAGOZLOO, MAHMOOD, US
[71] HERAEUS NOBLELIGHT AMERICA LLC, US

[85] 2019-03-07
[86] 2017-09-13 (PCT/US2017/051370)
[87] (WO2018/053005)
[30] US (62/395,690) 2016-09-16

[21] **3,036,250**
[13] A1

[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/4184 (2006.01) A61K 31/4439 (2006.01) C07D 235/04 (2006.01)**

[25] EN

[54] **NOVEL SUBSTITUTED BENZIMIDAZOLE DERIVATIVES AS D-AMINO ACID OXIDASE (DAAO) INHIBITORS**

[54] **NOUVEAUX DERIVES DE BENZIMIDAZOLE SUBSTITUES UTILISES EN TANT QU'INHIBITEURS DE LA D-AMINO-ACIDE OXYDASE (DAAO)**

[72] TSENG, YUFENG JANE, US
[72] LIU, YU-LI, TW
[72] SUN, CHUNG-MING, TW
[72] LAI, WEN-SUNG, TW
[72] LIU, CHIH-MIN, TW
[72] HWU, HAI-GWO, TW
[71] TSENG, YUFENG JANE, US
[71] NATIONAL TAIWAN UNIVERSITY, CN
[71] NATIONAL CHIAO TUNG UNIVERSITY, CN
[71] NATIONAL HEALTH RESEARCH INSTITUTES, TW
[85] 2019-03-07
[86] 2017-09-14 (PCT/US2017/051610)
[87] (WO2018/053161)
[30] US (62/394,479) 2016-09-14

[21] **3,036,251**
[13] A1

[51] **Int.Cl. A61K 38/10 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) C07K 7/08 (2006.01)**

[25] EN

[54] **PD-1 PEPTIDE INHIBITORS**

[54] **INHIBITEURS PEPTIDIQUES DE PD-1**

[72] GUTIERREZ, GABRIEL M., US
[72] KOTRAIAH, VINAYAKA, US
[72] PANNUCCI, JAMES, US
[72] AYALA, RAMSES, US
[71] LEIDOS, INC., US
[85] 2019-03-07
[86] 2017-09-15 (PCT/US2017/051697)
[87] (WO2018/053218)
[30] US (62/395,195) 2016-09-15

[21] **3,036,252**
[13] A1

[51] **Int.Cl. A61B 90/30 (2016.01)**

[25] EN

[54] **SURGICAL LIGHT HAVING AN OPERATING DEVICE**

[54] **SCIALYTIQUE COMPRENANT UNE UNITE DE COMMANDE**

[72] STROLIN, JOACHIM, DE
[71] KARL LEIBINGER MEDIZINTECHNIK GMBH & CO. KG, DE
[85] 2019-03-07
[86] 2017-08-11 (PCT/EP2017/070488)
[87] (WO2018/046237)
[30] DE (10 2016 117 068.2) 2016-09-12

[21] **3,036,253**
[13] A1

[51] **Int.Cl. C02F 1/52 (2006.01) B01D 21/01 (2006.01) C02F 1/56 (2006.01)**

[25] FR

[54] **AQUEOUS EFFLUENT TREATMENT PROCESS**

[54] **PROCEDE DE TRAITEMENT D'EFFLUENTS AQUEUX**

[72] FAVERO, CEDRICK, FR
[72] TIZZOTI, MORGAN, FR
[71] S.P.C.M. SA, FR
[85] 2019-03-07
[86] 2017-09-08 (PCT/EP2017/072628)
[87] (WO2018/046687)
[30] FR (1658425) 2016-09-09

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[21] **3,036,254**
[13] A1

[51] **Int.Cl. C08F 120/06 (2006.01) C08F 4/40 (2006.01) C08F 220/06 (2006.01)**

[25] FR

[54] **METHOD FOR PREPARING A POLYMER**

[54] **PROCEDE DE PREPARATION D'UN POLYMERE**

[72] CHAMPAGNE, CLEMENTINE, FR

[72] SUAOU, JEAN-MARC, FR

[71] COATEX, FR

[85] 2019-03-07

[86] 2017-09-14 (PCT/FR2017/052449)

[87] (WO2018/060563)

[30] FR (1659287) 2016-09-29

[21] **3,036,255**
[13] A1

[51] **Int.Cl. C09K 5/04 (2006.01) C10M 171/00 (2006.01)**

[25] FR

[54] **COMPOSITION COMPRISING 1-CHLORO-3,3,3-TRIFLUOROPROPENE**

[54] **COMPOSITION A BASE DE 1-CHLORO-3,3,3-TRIFLUOROPROPENE**

[72] RACHED, WISSAM, FR

[71] ARKEMA FRANCE, FR

[85] 2019-03-07

[86] 2017-09-15 (PCT/FR2017/052473)

[87] (WO2018/051036)

[30] FR (1658751) 2016-09-19

[21] **3,036,256**
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01) C12Q 1/68 (2018.01) G01N 33/15 (2006.01) G01N 33/493 (2006.01) G01N 33/50 (2006.01) G01N 33/53 (2006.01)**

[25] EN

[54] **INSPECTION METHOD ENABLING SPECIFIC DIAGNOSIS OF PATHOLOGICAL STATE OF DIABETIC NEPHROPATHY AT EARLY STAGE**

[54] **PROCEDE D'INSPECTION PERMETTANT UN DIAGNOSTIC SPECIFIQUE DE L'ETAT PATHOLOGIQUE D'UNE NEPHROPATHIE DIABETIQUE A UN STADE PRECOCE**

[72] DOI, TOSHIO, JP

[72] TOMINAGA, TATSUYA, JP

[72] ICHIE, GO, JP

[72] YAMAMOTO, KEIICHI, JP

[71] HUBIT GENOMIX, INC., JP

[71] FUSO PHARMACEUTICAL INDUSTRIES, LTD., JP

[85] 2019-03-07

[86] 2017-09-26 (PCT/JP2017/034699)

[87] (WO2018/066409)

[30] JP (2016-195420) 2016-10-03

[21] **3,036,261**
[13] A1

[51] **Int.Cl. H01J 37/065 (2006.01) H01J 1/18 (2006.01)**

[25] EN

[54] **AXIAL ELECTRON GUN**

[54] **CANON ELECTRONIQUE AXIAL**

[72] TIMASHOV, VICTOR ALEXANDROVICH, UA

[72] TSEPKALOV, ANDREY ANATOLYEVICH, UA

[72] RYABENKO, SERGEY IVANOVICH, UA

[72] BELYAVIN, ALEKSANDR FYODOROVICH, UA

[72] MARYNSKIY, GEORGIY SERGEEVICH, UA

[72] FILIPPOV, ALEKSEY VLADISLAVOVICH, UA

[71] PATON TURBINE TECHNOLOGIES LLC, UA

[85] 2019-03-07

[86] 2017-06-09 (PCT/UA2017/000064)

[87] (WO2018/048376)

[30] UA (a 2016 09313) 2016-09-07

[21] **3,036,264**
[13] A1

[51] **Int.Cl. A61K 38/17 (2006.01) A61K 39/00 (2006.01) A61P 25/28 (2006.01) G01N 33/53 (2006.01)**

[25] EN

[54] **BI-FUNCTIONAL ANTI-TAU POLYPEPTIDES AND USE THEREOF**

[54] **POLYPEPTIDES ANTI-TAU BI-FONCTIONNELS ET LEUR UTILISATION**

[72] TEMPLE, SALLY, US

[72] MESSER, ANNE, US

[72] BUTLER, DAVID, US

[71] REGENERATIVE RESEARCH FOUNDATION, US

[85] 2019-03-07

[86] 2017-09-08 (PCT/US2017/050764)

[87] (WO2018/049219)

[30] US (62/385,019) 2016-09-08

[21] **3,036,266**
[13] A1

[51] **Int.Cl. A61M 5/14 (2006.01) A61M 5/168 (2006.01) A61M 5/172 (2006.01)**

[25] EN

[54] **MEDICINE INJECTION AND DISEASE MANAGEMENT SYSTEMS, DEVICES, AND METHODS**

[54] **SYSTEMES, DISPOSITIFS ET PROCEDES D'INJECTION DE MEDICAMENT ET DE GESTION DE LA MALADIE**

[72] DESBOROUGH, LANE, US

[72] MAZLISH, BRYAN, US

[72] SJOLUND, PER JOHN, US

[72] BOCHENKO, ANDREW, US

[72] NAYLOR, ROSS, US

[71] BIGFOOT BIOMEDICAL, INC., US

[85] 2019-03-07

[86] 2017-09-27 (PCT/US2017/053814)

[87] (WO2018/064222)

[30] US (62/400,366) 2016-09-27

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[21] **3,036,268**
[13] A1

[51] **Int.Cl. E02F 5/10 (2006.01) E02F 5/08 (2006.01) E02F 5/12 (2006.01) E02F 5/14 (2006.01)**
[25] EN
[54] **CABLE-LAYING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE POSE DE CABLES**
[72] DUNST, WOLFGANG, AT
[71] LAYJET MICRO-ROHR VERLEGESELSCHAFT M.B.H., AT
[85] 2019-03-08
[86] 2017-08-18 (PCT/AT2017/060205)
[87] (WO2018/045404)
[30] AT (A50797/2016) 2016-09-08

[21] **3,036,269**
[13] A1

[51] **Int.Cl. A23L 15/00 (2016.01) A23B 5/00 (2006.01)**
[25] EN
[54] **EGG FLAVOURING PROCESS**
[54] **PROCEDE D'AROMATISATION D'OEUFS**
[72] KOS, JULIE ANN, AU
[71] KOSSIES INNOVATIONS PTY LTD, AU
[85] 2019-03-08
[86] 2017-09-08 (PCT/AU2017/050978)
[87] (WO2018/045428)
[30] AU (2016903631) 2016-09-09
[30] AU (2017901958) 2017-05-23

[21] **3,036,270**
[13] A1

[51] **Int.Cl. A62B 18/08 (2006.01) A61L 9/00 (2006.01) A62B 18/02 (2006.01) B01D 46/42 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **FACE MASK FOR FILTERING AIR AND AIR MONITORING SYSTEM**
[54] **MASQUE FACIAL DESTINE A FILTRER L'AIR ET SYSTEME DE SURVEILLANCE DE LA QUALITE DE L'AIR**
[72] SZASZ, RICHARD DEVIN, CA
[72] LEONARD, BRANDON JAMES, CA
[72] WHITBY, PETER LIONEL, CA
[72] FYKE, STEVEN HENRY, CA
[72] DEFAZIO, MICHAEL JOSEPH, CA
[72] GRIFFIN, JASON TYLER, CA
[71] CANADA PROSPER APPAREL LTD., CA
[85] 2019-03-08
[86] 2017-09-05 (PCT/CA2017/051039)
[87] (WO2018/045456)
[30] US (62/393,266) 2016-09-12

[21] **3,036,271**
[13] A1

[51] **Int.Cl. B05D 5/08 (2006.01) A61K 9/50 (2006.01) B01J 2/02 (2006.01) B01J 2/04 (2006.01)**
[25] EN
[54] **MICROSPHERES AND METHOD FOR PRODUCING THEM**
[54] **MICRO-SPHERES ET LEUR PROCEDE DE PRODUCTION**
[72] LEWITUS, DAN, IL
[72] SHPIGEL, TAL, IL
[71] SHENKAR ENGINEERING DESIGN ART, IL
[85] 2019-03-07
[86] 2017-09-11 (PCT/IL2017/051022)
[87] (WO2018/047185)
[30] US (62/393,033) 2016-09-11
[30] US (62/556,459) 2017-09-10

[21] **3,036,273**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **COMBINATION OF GLUCAGON RECEPTOR ANTAGONISTS AND PI3K PATHWAY INHIBITORS FOR THE TREATMENT OF CANCER**
[54] **COMBINAISON D'ANTAGONISTES DE RECEPTEUR DU GLUCAGON ET D'INHIBITEURS DE LA VOIE PI3K POUR LE TRAITEMENT DU CANCER**
[72] CALZONE, FRANK J, US
[71] REMD BIOTHERAPEUTICS, INC., US
[85] 2019-03-07
[86] 2017-08-03 (PCT/US2017/045390)
[87] (WO2018/027084)
[30] US (62/370,642) 2016-08-03

[21] **3,036,277**
[13] A1

[51] **Int.Cl. B29C 45/40 (2006.01) B29C 45/76 (2006.01)**
[25] EN
[54] **MOLDING APPARATUS AND METHOD OF CONTROLLING SAME**
[54] **APPAREIL DE MOULAGE ET PROCEDE DE COMMANDE DUDIT APPAREIL DE MOULAGE**
[72] WEATHERALL, DOUGLAS JAMES, CA
[72] WANG, ZHIMING, CA
[72] OUYANG, DAOSHAN, CA
[71] HUSKY INJECTION MOLDING SYSTEMS LTD., CA
[85] 2019-03-08
[86] 2017-09-05 (PCT/CA2017/051040)
[87] (WO2018/064750)
[30] US (62/404,248) 2016-10-05
[30] US (62/450,137) 2017-01-25

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[21] **3,036,278**
[13] A1

[51] **Int.Cl. G01N 1/30 (2006.01) G01N 15/14 (2006.01) G01N 33/574 (2006.01)**

[25] EN

[54] **METHODS OF DETECTING PER CELL PD-L1 EXPRESSION AND USES THEREOF**

[54] **PROCEDE DE DETECTION DE L'EXPRESSION DE PD-L1 PAR CELLULE ET UTILISATIONS ASSOCIEES**

[72] PATTERSON, BRUCE K., US
[72] CHARGIN, AMANDA NOEL, US
[72] SHULTS, KEITH, US
[71] INCELLDX, INC., US
[71] PATTERSON, BRUCE K., US
[71] CHARGIN, AMANDA NOEL, US
[71] SHULTS, KEITH, US
[85] 2019-03-06
[86] 2017-09-06 (PCT/US2017/050322)
[87] (WO2018/048936)
[30] US (62/384,037) 2016-09-06

[21] **3,036,279**
[13] A1

[51] **Int.Cl. A61H 3/00 (2006.01) A61H 1/02 (2006.01) B25J 5/00 (2006.01) B25J 11/00 (2006.01)**

[25] EN

[54] **MOBILE WEIGHT-BEARING POWERED ORTHOSIS DEVICE**

[54] **DISPOSITIF D'ORTHESE MOTORISE MOBILE A SUPPORT DE POIDS**

[72] MAGGU, MANMEET SINGH, CA
[72] UDASI, RAHUL, CA
[71] TREXO ROBOTICS INC., CA
[85] 2019-03-08
[86] 2017-09-07 (PCT/CA2017/051047)
[87] (WO2018/045460)
[30] US (62/384,871) 2016-09-08

[21] **3,036,280**
[13] A1

[51] **Int.Cl. H02K 1/16 (2006.01) H02K 1/18 (2006.01) H02K 1/20 (2006.01)**

[25] EN

[54] **SEGMENT SHEET FOR A STATOR LAMINATION STACK, STATOR LAMINATION STACK, AND GENERATOR AND WIND TURBINE HAVING SAME**

[54] **TOLE SEGMENTEE POUR UN EMPILAGE DE TOLES DE STATOR, AINSI QUE GENERATEUR ET EOLIENNE COMPRENANT CES DERNIERS**

[72] ROER, JOCHEN, DE
[71] WOBLEN PROPERTIES GMBH, DE
[85] 2019-03-06
[86] 2017-09-07 (PCT/EP2017/072428)
[87] (WO2018/046583)
[30] DE (10 2016 217 173.9) 2016-09-09

[21] **3,036,281**
[13] A1

[51] **Int.Cl. G07F 7/08 (2006.01)**

[25] FR

[54] **TERMINAL DE PAIEMENT ELECTRONIQUE AVEC ELEMENT MONOBLOC DE LECTURE DE CARTE MAGNETIQUE COMPRENANT UNE LAME METALLIQUE DE GLISSEMENT, PROCEDE DE MONTAGE CORRESPONDANT**

[54] **ELECTRONIC PAYMENT TERMINAL WITH SINGLE-PIECE MAGNETIC CARD READING ELEMENT COMPRISING A SLIDING METAL BLADE, CORRESPONDING MOUNTING METHOD**

[72] FROMENT, MARION, FR
[71] INGENICO GROUP, FR
[85] 2019-03-06
[86] 2017-09-15 (PCT/EP2017/073277)
[87] (WO2018/050819)
[30] FR (1658662) 2016-09-15

[21] **3,036,282**
[13] A1

[51] **Int.Cl. G08B 21/02 (2006.01) A47D 9/02 (2006.01)**

[25] EN

[54] **MONITORING SYSTEM**

[54] **SYSTEME DE SURVEILLANCE**

[72] FURULAND, LISA, SE
[71] ENFANT TERRIBLE DESIGN AB, SE
[85] 2019-03-06
[86] 2017-10-11 (PCT/IB2017/056292)
[87] (WO2018/069850)
[30] US (62/406,705) 2016-10-11
[30] US (62/413,593) 2016-10-27

[21] **3,036,283**
[13] A1

[51] **Int.Cl. F01L 1/12 (2006.01) F01L 5/02 (2006.01) F01L 5/04 (2006.01) F02D 9/12 (2006.01) F02D 9/14 (2006.01)**

[25] EN

[54] **VARIABLE TRAVEL VALVE APPARATUS FOR AN INTERNAL COMBUSTION ENGINE**

[54] **APPAREIL A SOUPE A COURSE VARIABLE POUR UN MOTEUR A COMBUSTION INTERNE**

[72] PRICE, CHARLES, US
[72] MACFARLANE, JAY, US
[72] CHARLTON, STEPHEN JOHN, US
[72] ANDERSON, WILLIAM, US
[72] EVANS, DAVID, US
[72] BABBITT, GUY ROBERT, US
[72] TURNER, CHRISTOPHER WAYNE, US
[72] PEDERSEN, DANIEL S., US
[72] JACOBS, CLAYTON, US
[72] COHEN, DREW, US
[72] ECHTER, NICHOLAS PAUL, US
[72] WEYER-GEIGEL, KRISTINA, US
[72] ALVARADO, CALEB, US
[71] PRICE, CHARLES, US
[71] MACFARLANE, JAY, US
[71] CHARLTON, STEPHEN JOHN, US
[71] ANDERSON, WILLIAM, US
[71] EVANS, DAVID, US
[71] BABBITT, GUY ROBERT, US
[71] TURNER, CHRISTOPHER WAYNE, US
[71] PEDERSEN, DANIEL S., US
[71] JACOBS, CLAYTON, US
[71] COHEN, DREW, US
[71] ECHTER, NICHOLAS PAUL, US
[71] WEYER-GEIGEL, KRISTINA, US
[71] ALVARADO, CALEB, US
[85] 2019-03-06
[86] 2017-09-11 (PCT/US2017/051016)
[87] (WO2018/049354)
[30] US (62/385,804) 2016-09-09

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[21] **3,036,284**
[13] A1

[51] **Int.Cl. A61B 17/00 (2006.01) A61B 18/00 (2006.01)**
[25] EN
[54] **CONNECTOR**
[54] **RACCORD**
[72] FUCHS, ROBERT, US
[72] JOHNSON, DIRK, US
[72] GREGG, WILLIAM N., US
[71] EXIMIS SURGICAL, LLC, US
[85] 2019-03-06
[86] 2017-09-22 (PCT/US2017/053028)
[87] (WO2018/057936)
[30] US (62/398,726) 2016-09-23
[30] US (15/712,436) 2017-09-22

[21] **3,036,285**
[13] A1

[51] **Int.Cl. C25C 7/06 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEMS AND METHODS FOR HIGH EFFICIENCY METAL PARTICLE REGENERATION**
[54] **APPAREIL, SYSTEMES ET PROCEDES DE REGENERATION DE PARTICULES METALLIQUES A HAUT RENDEMENT**
[72] FAN, SIMON, CA
[72] SLOAN, TRISTAN, CA
[72] BRUCE, DAVID ROBERT, CA
[72] MCLEOD, JOHN, CA
[71] MGX RENEWABLES INC., CA
[85] 2019-03-06
[86] 2017-09-19 (PCT/CA2017/051105)
[87] (WO2018/053629)
[30] US (62/399,254) 2016-09-23

[21] **3,036,287**
[13] A1

[51] **Int.Cl. E06B 9/80 (2006.01) E06B 9/44 (2006.01) E06B 9/62 (2006.01)**
[25] EN
[54] **ADJUSTABLE SPRING SYSTEM AND METHOD FOR ROLLER BLINDS**
[54] **SYSTEME DE RESSORT REGLABLE ET PROCEDE POUR STORES DEROULANTS**
[72] NORTON, GRANT RAYMOND, AU
[71] NORTON, GRANT RAYMOND, AU
[85] 2019-03-08
[86] 2017-09-11 (PCT/AU2017/000191)
[87] (WO2018/049462)
[30] AU (2016903675) 2016-09-13

[21] **3,036,288**
[13] A1

[51] **Int.Cl. G01G 19/07 (2006.01) B64D 45/00 (2006.01) G01M 1/12 (2006.01) G07B 15/00 (2011.01)**
[25] EN
[54] **A SYSTEM FOR REAL TIME DETERMINATION OF PARAMETERS OF AN AIRCRAFT**
[54] **SYSTEME DE DETERMINATION EN TEMPS REEL DE PARAMETRES D'UN AERONEF**
[72] HARTMANN, BILL, AU
[71] RUNWEIGHT PTY LTD, AU
[85] 2019-03-08
[86] 2017-08-07 (PCT/AU2017/050827)
[87] (WO2018/045413)
[30] AU (2016903644) 2016-09-09

[21] **3,036,289**
[13] A1

[51] **Int.Cl. C23C 30/00 (2006.01) C21D 8/00 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/12 (2006.01) C22C 38/16 (2006.01) C23C 28/00 (2006.01) H01F 27/245 (2006.01) H01F 27/34 (2006.01) H01F 41/02 (2006.01)**
[25] EN
[54] **ORIENTED SILICON STEEL PRODUCT WITH LOW IRON LOSS FOR LOW-NOISE TRANSFORMER, AND MANUFACTURING METHOD THEREOF**
[54] **PRODUIT EN ACIER AU SILICIUM A FAIBLES PERTES DANS LE FER POUR TRANSFORMATEUR A FAIBLE BRUIT, ET SON PROCEDE DE FABRICATION**
[72] ZHAO, ZIPENG, CN
[72] HOU, CHANGJUN, CN
[72] XIANG, BANGLIN, CN
[72] SHEN, KANYI, CN
[72] LI, GUOBAO, CN
[72] LING, CHEN, CN
[72] XIE, WEIYONG, CN
[72] SONG, YANLI, CN
[71] BAOSHAN IRON & STEEL CO., LTD., CN
[85] 2019-03-08
[86] 2017-06-13 (PCT/CN2017/088090)
[87] (WO2018/059006)
[30] CN (201610872843.X) 2016-09-29

[21] **3,036,290**
[13] A1

[51] **Int.Cl. A01N 43/50 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **ACTIVE COMPOUND COMBINATIONS COMPRISING A 5-SUBSTITUTED IMIDAZOLE DERIVATIVE**
[54] **COMBINAISONS DE COMPOSES ACTIFS COMPRENANT UN DERIVE D'IMIDAZOLE SUBSTITUE EN POSITION 5**
[72] COQUERON, PIERRE-YVES, FR
[72] BERNIER, DAVID, FR
[72] WACHENDORFF-NEUMANN, ULRIKE, DE
[72] GORTZ, ANDREAS, DE
[72] DAHMEN, PETER, DE
[72] DUCROT, VIRGINIE PASCALE, DE
[71] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2019-03-08
[86] 2017-09-01 (PCT/EP2017/071962)
[87] (WO2018/050456)
[30] EP (16188482.0) 2016-09-13

[21] **3,036,291**
[13] A1

[51] **Int.Cl. A61K 39/12 (2006.01) C12N 7/00 (2006.01)**
[25] EN
[54] **NEW EHV INSERTION SITE ORF70**
[54] **NOUVEAU SITE D'INSERTION D'EHV ORF70**
[72] MUNDT, ALICE, DE
[72] GALLEI, ANDREAS, DE
[72] REHMET, KRISTINA, DE
[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[85] 2019-03-08
[86] 2017-09-18 (PCT/EP2017/073473)
[87] (WO2018/054837)
[30] EP (16189776.4) 2016-09-20

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[21] **3,036,292**
[13] A1

[51] **Int.Cl. F04B 19/00 (2006.01) F04B 43/00 (2006.01) F04B 43/04 (2006.01) F16K 99/00 (2006.01)**

[25] EN

[54] **MICRO VALVE, FLUID PUMP, AND METHOD OF OPERATING A FLUID PUMP**

[54] **MICRO-VANNE, POMPE A FLUIDE ET PROCEDE D'ACTIONNEMENT DE POMPE A FLUIDE**

[72] SHABANIAN, ARDAVAN, DE

[72] WOIAS, PETER, DE

[72] GOLDSCHMIDTBOING, FRANK, DE

[71] ALBERT-LUDWIGS-UNIVERSITAT FREIBURG, DE

[85] 2019-03-08

[86] 2017-09-07 (PCT/EP2017/072457)

[87] (WO2018/050534)

[30] DE (10 2016 217 435.5) 2016-09-13

[21] **3,036,293**
[13] A1

[51] **Int.Cl. C12N 15/869 (2006.01) A61K 39/245 (2006.01) A61K 39/27 (2006.01) C07K 14/03 (2006.01)**

[25] EN

[54] **NEW PROMOTERS**

[54] **NOUVEAUX PROMOTEURS**

[72] MUNDT, ALICE, DE

[72] GALLEI, ANDREAS, DE

[72] KOUKUNTLA, RAMESH, US

[72] MANDELL, ROBERT BARRY, US

[72] REHMET, KRISTINA, DE

[72] VAUGHN, ERIC MARTIN, US

[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE

[85] 2019-03-08

[86] 2017-09-18 (PCT/EP2017/073481)

[87] (WO2018/054840)

[30] EP (16189780.6) 2016-09-20

[21] **3,036,297**
[13] A1

[51] **Int.Cl. A61K 31/02 (2006.01) A61P 27/02 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITIONS FOR USE IN THE THERAPY OF BLEPHARITIS**

[54] **COMPOSITIONS PHARMACEUTIQUES DESTINEES A ETRE UTILISEES DANS LA THERAPIE DE LA BLEPHARITE**

[72] GUNTHER, BERNHARD, DE

[72] LOSCHER, FRANK, DE

[72] KROSSER, SONJA, DE

[71] NOVALIQ GMBH, DE

[85] 2019-03-08

[86] 2017-09-20 (PCT/EP2017/073697)

[87] (WO2018/054932)

[30] EP (16190138.4) 2016-09-22

[21] **3,036,298**
[13] A1

[51] **Int.Cl. C07K 14/47 (2006.01) A61K 38/00 (2006.01)**

[25] EN

[54] **PROCESS OF MANUFACTURE**

[54] **PROCEDE DE FABRICATION**

[72] MOKS, TOOMAS, SE

[72] REICH, JAN CHRISTOPH, DE

[71] ANNEXIN PHARMACEUTICALS AB, SE

[85] 2019-03-08

[86] 2016-09-16 (PCT/EP2016/072066)

[87] (WO2017/046391)

[30] GB (1516516.0) 2015-09-17

[21] **3,036,299**
[13] A1

[51] **Int.Cl. C07B 59/00 (2006.01)**

[25] EN

[54] **[18F]-LABELLED LACTATE DERIVATIVE AS PET RADIOTRACER**

[54] **DERIVE DE LACTATE MARQUE [18 F] EN TANT QUE RADIOTRACEUR TEP**

[72] SONVEAUX, PIERRE, BE

[72] LABAR, DANIEL, BE

[72] VAN HEE, VINCENT, BE

[72] DEHON, GWENAEL, BE

[72] FREDERICK, RAPHAEL, BE

[71] UNIVERSITE CATHOLIQUE DE LOUVAIN, BE

[85] 2019-03-08

[86] 2017-09-08 (PCT/EP2017/072582)

[87] (WO2018/046662)

[30] EP (16188093.5) 2016-09-09

[21] **3,036,301**
[13] A1

[51] **Int.Cl. C07K 14/47 (2006.01)**

[25] EN

[54] **RECOMBINANT BINDING PROTEINS AND THEIR USE**

[54] **PROTEINES DE LIAISON RECOMBINANTES ET LEUR UTILISATION**

[72] METZ, CLARA, CH

[72] FIEDLER, ULRIKE, DE

[72] DOLADO, IGNACIO, CH

[72] STROBEL, HEIKE MARIA, CH

[71] MOLECULAR PARTNERS AG, CH

[85] 2019-03-08

[86] 2017-09-20 (PCT/EP2017/073768)

[87] (WO2018/054971)

[30] EP (16190221.8) 2016-09-22

[21] **3,036,303**
[13] A1

[51] **Int.Cl. G01S 19/30 (2010.01)**

[25] EN

[54] **APPARATUS AND METHODS FOR OBTAINING A CORRELATION FUNCTION IN THE FREQUENCY DOMAIN**

[54] **APPAREIL ET PROCEDES PERMETTANT L'OBTENTION D'UNE FONCTION DE CORRELATION DANS LE DOMAINE FREQUENTIEL**

[72] RICHARDSON, ANDREW, GB

[72] TURNER, MICHAEL, GB

[72] GALAN, DAVID DE-CASTRO, GB

[72] BATISITE, MICHAEL, GB

[71] AIRBUS DEFENCE AND SPACE LIMITED, GB

[85] 2019-03-08

[86] 2017-09-08 (PCT/EP2017/072649)

[87] (WO2018/046694)

[30] EP (16275130.9) 2016-09-08

PCT Applications Entering the National Phase

[21] **3,036,304**
[13] A1

[51] **Int.Cl. C07D 417/14 (2006.01) A61K 31/4439 (2006.01) A61P 11/00 (2006.01) A61P 11/06 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**

[25] EN

[54] **5-[2-(PYRIDIN-2-YLAMINO)-1,3-THIAZOL-5-YL]-2,3-DIHYDRO-1 H-ISOINDOL-1 -ONE DERIVATIVES AND THEIR USE AS DUAL INHIBITORS OF PHOSPHATIDYLINOSITOL 3-KINASE DELTA & GAMMA**

[54] **DERIVES DE 5-[2-(PYRIDIN-2-YLAMINO)-1,3-THIAZOL-5-YL]-2,3-DIHYDRO-1 H-ISOINDOL-1 -ONE ET LEUR UTILISATION EN TANT QU'INHIBITEURS DOUBLES DE PHOSPHATIDYLINOSITOL 3-KINASE DELTA & GAMMA**

[72] PERRY, MATTHEW, SE
[72] KARABELAS, KONSTANTINOS, SE
[72] MOGEMARK, MICKAEL, SE
[72] BOLD, PETER, SE
[72] TYRCHAN, CHRISTIAN, SE
[72] NIKITIDIS, ANTONIOS, SE
[72] PETERSEN, JENS, SE
[72] BORJESSON, ULF, SE
[71] ASTRAZENECA AB, SE
[85] 2019-03-08
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[87] (WO2018/055040)
[30] US (62/398,006) 2016-09-22

[21] **3,036,305**
[13] A1

[51] **Int.Cl. G01D 18/00 (2006.01) G01H 9/00 (2006.01) G01L 1/24 (2006.01) G01D 5/353 (2006.01) G01P 15/093 (2006.01) G01P 21/00 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR THE FUNCTIONAL TESTING OF A FIBRE-OPTIC SENSOR AND COMPUTER PROGRAM PRODUCT**

[54] **PROCEDE ET DISPOSITIF DE VERIFICATION DE FONCTIONNEMENT D'UN CAPTEUR A FIBRES OPTIQUES ET PRODUIT-PROGRAMME D'ORDINATEUR**

[72] MULLER, MATHIAS, DE
[71] FOS4X GMBH, DE
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[30] DE (10 2016 117 691.5) 2016-09-20

[21] **3,036,306**
[13] A1

[51] **Int.Cl. A61K 38/13 (2006.01) A61K 9/00 (2006.01) A61K 47/06 (2006.01) A61P 27/02 (2006.01)**

[25] EN

[54] **OPHTHALMIC COMPOSITIONS COMPRISING CICLOSPORIN**

[54] **COMPOSITIONS OPHTALMIQUES CONTENANT DE LA CYCLOSPORINE**

[72] LOSCHER, FRANK, DE
[72] GRILLENBERGER, RALF, DE
[72] ENGBLOM, JOHAN, SE
[71] NOVALIQ GMBH, DE
[85] 2019-03-08
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[87] (WO2018/055101)
[30] EP (16190431.3) 2016-09-23

[21] **3,036,307**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/192 (2006.01) A61K 31/5578 (2006.01) A61K 31/5585 (2006.01) A61K 47/10 (2017.01) A61K 47/14 (2017.01) A61K 47/18 (2017.01) A61K 47/20 (2006.01) A61K 47/24 (2006.01)**

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[54] **PROSTACYCLIN ANALOGUE FORMULATIONS**

[54] **FORMULATIONS D'ANALOGUES DE PROSTACYCLINE**

[72] TIBERG, FREDRIK, SE
[72] BARAUSKAS, JUSTAS, SE
[72] NISTOR, CATALIN, SE
[72] JOHNSON, MARKUS, SE
[71] CAMURUS AB, SE
[85] 2019-03-08
[86] 2017-09-15 (PCT/EP2017/073359)
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[30] GB (1615754.7) 2016-09-15
[30] GB (1621277.1) 2016-12-14

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[13] A1

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[54] **MODULAR FIBER FRAME**

[54] **CADRE DE FIBRE MODULAIRE**

[72] THOMPSON, ZACHARY M., US
[72] HAGGAR, JONATHAN V., US
[72] BORER, VICTOR J., US
[72] MERTZ, ROBERT R., US
[72] KROZEL, ADAM J., US
[71] CORNING RESEARCH & DEVELOPMENT CORPORATION, US
[85] 2019-03-08
[86] 2017-09-07 (PCT/IB2017/055403)
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[30] US (62/385,687) 2016-09-09

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[25] EN
[54] **T CELLS WITH INCREASED IMMUNOSUPPRESSION RESISTANCE**
[54] **LYMPHOCYTES T PRESENTANT UNE RESISTANCE ACCRUE A L'IMMUNOSUPPRESSION**
[72] LAUGEL, BRUNO, GB
[72] SKIBBE, KATHRIN, GB
[71] ADAPT IMMUNE LIMITED, GB
[85] 2019-03-08
[86] 2017-09-22 (PCT/EP2017/074139)
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[30] GB (1616238.0) 2016-09-23

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[13] A1

[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/145 (2006.01) C12N 7/00 (2006.01)**
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[54] **NEW SWINE INFLUENZA VACCINE**
[54] **NOUVEAU VACCIN CONTRE LA GRIPPE PORCINE**
[72] GALLEI, ANDREAS, DE
[72] MUNDT, ALICE, DE
[72] NIKOLIN, VELJKO, DE
[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[85] 2019-03-08
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[25] EN
[54] **SYSTEM AND METHOD FOR POWER PRODUCTION USING PARTIAL OXIDATION**
[54] **SYSTEME ET PROCEDE DE PRODUCTION D'ENERGIE PAR OXYDATION PARTIELLE**
[72] FORREST, BROCK ALAN, US
[72] LU, XIJIA, US
[72] ALLAM, RODNEY JOHN, GB
[72] FETVEDT, JEREMY ERON, US
[72] PALMER, MILES R., US
[71] 8 RIVERS CAPITAL, LLC, US
[85] 2019-03-08
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[25] EN
[54] **COMPOSITIONS COMPRISING A CANNABINOID RECEPTOR BINDING LIGAND**
[54] **COMPOSITIONS COMPRENANT UN LIGAND DE LIAISON AU RECEPTEUR CANNABINOIDE**
[72] GUNTHER, BERNHARD, DE
[72] LOSCHER, FRANK, DE
[72] KROSSER, SONJA, DE
[72] STEVEN, PHILIPP, DE
[71] NOVALIQ GMBH, DE
[85] 2019-03-08
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[87] (WO2018/060282)
[30] EP (16191194.6) 2016-09-28
[30] EP (17168172.9) 2017-04-26

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[51] **Int.Cl. A61K 31/551 (2006.01) A61K 9/20 (2006.01) A61K 9/22 (2006.01) A61K 9/30 (2006.01) A61K 31/5513 (2006.01)**
[25] EN
[54] **EXTENDED RELEASE PHARMACEUTICAL COMPOSITION OF CLOZAPINE**
[54] **COMPOSITION PHARMACEUTIQUE DE CLOZAPINE A LIBERATION PROLONGEE**
[72] SAXENA, MAYANK, IN
[72] PATEL, RIKIN, IN
[72] KANSAGRA, PIYUSH, IN
[72] SINGH, BALVIR, IN
[72] SEHGAL, ASHISH, IN
[71] INTAS PHARMACEUTICALS LTD., IN
[85] 2019-03-08
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[13] A1

[51] **Int.Cl. C08G 69/42 (2006.01)**
[25] EN
[54] **SULPHUR-CONTAINING POLYAMIDES AND METHODS FOR PRODUCING THE SAME**
[54] **POLYAMIDES CONTENANT DU SOUFRE ET LEURS PROCEDES DE PRODUCTION**
[72] SEPPALA, JUKKA, FI
[72] SPOLJARIC, STEVEN, FI
[72] NGUYEN, PHAN HUY, FI
[72] NYMAN, TOMI, FI
[72] KOSKINEN, PERTTU, FI
[71] NESTE CORPORATION, FI
[85] 2019-03-08
[86] 2017-09-07 (PCT/FI2017/050633)
[87] (WO2018/046801)
[30] FI (20165671) 2016-09-08

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[51] **Int.Cl. F16L 47/03 (2006.01) B29C 65/36 (2006.01)**

[25] EN

[54] **METHODS OF JOINING OR REPAIRING LINED PIPES AND ASSOCIATED APPARATUS**

[54] **PROCEDES DE JONCTION OU DE REPARATION DE TUYAUX REVETUS ET APPAREIL ASSOCIE**

[72] BARNES, STEPHEN, GB

[71] PIONEER LINING TECHNOLOGY LIMITED, GB

[85] 2019-03-08

[86] 2017-10-05 (PCT/GB2017/053007)

[87] (WO2018/065769)

[30] GB (1616902.1) 2016-10-05

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[13] A1

[51] **Int.Cl. E04C 5/16 (2006.01)**

[25] EN

[54] **A COUPLING DEVICE, ASSOCIATED PARTS AND A METHOD OF USE THEREOF**

[54] **DISPOSITIF DE COUPLAGE, PIECES ASSOCIEES ET LEUR PROCEDE D'UTILISATION**

[72] ALLINGTON, CHRISTOPHER JAMES, NZ

[72] DIEHL, ANDREW KARL, NZ

[72] SCOTT, PETER JOHN, NZ

[72] WOODS, BENJAMIN, NZ

[72] GIBSON, JAMES GRAY, NZ

[71] COUPLER SOLUTIONS LIMITED, NZ

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[13] A1

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

[25] EN

[54] **COMPOSITIONS AND METHODS FOR REGULATING GENE EXPRESSION FOR TARGETED MUTAGENESIS**

[54] **COMPOSITIONS ET METHODES DE REGULATION DE L'EXPRESSION GENETIQUE PAR MUTAGENESE CIBLEE**

[72] AHARONI, ASAPH, IL

[72] BOCOBZA, SAMUEL, IL

[72] DAHAN, TAL, IL

[72] LEVY, AVRAHAM A., IL

[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL

[85] 2019-03-08

[86] 2017-09-11 (PCT/IL2017/051020)

[87] (WO2018/047183)

[30] IL (247752) 2016-09-11

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[13] A1

[51] **Int.Cl. H01G 4/30 (2006.01) H01G 4/015 (2006.01) H01G 4/06 (2006.01) H01G 4/14 (2006.01) H01G 4/32 (2006.01)**

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[54] **VERY HIGH CAPACITANCE FILM CAPACITOR AND METHOD FOR THE PRODUCTION OF SAME**

[54] **CONDENSATEUR FILM A TRES HAUTE CAPACITE ET SON PROCEDE DE FABRICATION**

[72] DEPOND, JEAN-MICHEL, FR

[71] BLUE SOLUTIONS, FR

[85] 2019-03-08

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[87] (WO2018/065289)

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[13] A1

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[25] EN

[54] **SPLICE WITH TAP CLAMP**

[54] **EPISSURE AVEC PINCE DE PRISE**

[72] DIOP, SEYDOU, US

[72] CANDELARIA, ADRIAN BEAU, US

[71] HUBBELL INCORPORATED, US

[85] 2019-03-08

[86] 2017-08-03 (PCT/US2017/045241)

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[30] US (62/385,358) 2016-09-09

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[13] A1

[51] **Int.Cl. G01C 9/24 (2006.01) G01V 13/00 (2006.01)**

[25] EN

[54] **METHOD OF CALIBRATING A COMPUTERIZED LEVELING OFFSET METER**

[54] **PROCEDE D'ETALONNAGE D'UN DISPOSITIF DE MESURE DE DECALAGE DE MISE A NIVEAU INFORMATISE**

[72] YIFRACH, AHARON, IL

[72] ZUITLIN, ROEY, IL

[71] ISRAEL AEROSPACE INDUSTRIES LTD., IL

[85] 2019-03-08

[86] 2017-09-24 (PCT/IL2017/051065)

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[30] IL (248032) 2016-09-25

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[21] **3,036,333**
[13] A1

[51] **Int.Cl. C01B 3/38 (2006.01)**
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[54] **A HYDROTHERMALLY STABLE CATALYST COMPOSITION AND A PROCESS FOR PREPARATION THEREOF**
[54] **COMPOSITION DE CATALYSEUR HYDROTHERMIQUEMENT STABLE ET SON PROCEDE DE PREPARATION**
[72] MANDAL, SUKUMAR, IN
[72] DAGGUPATI, SATEESH, IN
[72] MAJHI, SACHCHIT KUMAR, IN
[72] DAS, ASIT KUMAR, IN
[71] RELIANCE INDUSTRIES LIMITED, IN
[85] 2019-03-08
[86] 2017-09-06 (PCT/IB2017/055367)
[87] (WO2018/047076)
[30] IN (201621030720) 2016-09-08

[21] **3,036,334**
[13] A1

[51] **Int.Cl. G01N 1/28 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR EXTRACTING A SAMPLE FROM AN INGESTIBLE DEVICE**
[54] **SYSTEMES ET PROCEDES D'EXTRACTION D'UN ECHANTILLON A PARTIR D'UN DISPOSITIF INGERABLE**
[72] JONES, MITCHELL LAWRENCE, US
[72] WAHL, CHRISTOPHER LOREN, US
[72] PHILIPPSEN, AARON OLAFUR LAURENCE, CA
[72] LEMAY, MATTHIEU OLIVIER, CA
[72] ALLAN, NICHOLAS DAVID, CA
[71] JONES, MITCHELL LAWRENCE, US
[71] WAHL, CHRISTOPHER LOREN, US
[71] PHILIPPSEN, AARON OLAFUR LAURENCE, CA
[71] LEMAY, MATTHIEU OLIVIER, CA
[71] ALLAN, NICHOLAS DAVID, CA
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[13] A1

[51] **Int.Cl. F02D 9/02 (2006.01)**
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[54] **CONTROL METHOD AND CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE**
[54] **PROCEDE DE COMMANDE ET DISPOSITIF DE COMMANDE POUR MOTEUR A COMBUSTION INTERNE**
[72] HAMAMOTO, TAKAYUKI, JP
[72] SUZUKI, DAISUKE, JP
[72] YONEKURA, KENGO, JP
[72] YASAKA, KENJI, JP
[71] NISSAN MOTOR CO., LTD., JP
[71] RENAULT S.A.S., FR
[85] 2019-03-08
[86] 2016-09-09 (PCT/JP2016/076568)
[87] (WO2018/047286)

[21] **3,036,336**
[13] A1

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[25] EN
[54] **CRYSTALLINE FORMS OF THERAPEUTIC COMPOUNDS AND USES THEREOF**
[54] **FORMES CRISTALLINES DE COMPOSES THERAPEUTIQUES ET LEURS UTILISATIONS**
[72] NGUYEN, MINH NGOC, US
[72] ONG, WINSTON ZAPANTA, US
[71] KALA PHARMACEUTICALS, INC., US
[85] 2019-03-08
[86] 2017-09-01 (PCT/US2017/049920)
[87] (WO2018/048747)
[30] US (62/385,154) 2016-09-08

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[25] EN
[54] **VEHICLE TRAVEL CONTROL METHOD AND TRAVEL CONTROL DEVICE**
[54] **PROCEDE DE CONTROLE DE TRAJET DE VEHICULE ET DISPOSITIF DE CONTROLE DE TRAJET DE VEHICULE**
[72] SHIMAKAGE, MASAYASU, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2019-03-08
[86] 2016-09-09 (PCT/JP2016/076600)
[87] (WO2018/047292)

[21] **3,036,338**
[13] A1

[51] **Int.Cl. C02F 1/00 (2006.01) C02F 1/72 (2006.01) C02F 9/00 (2006.01)**
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[54] **A PHARMACEUTICAL WASTE SYSTEM**
[54] **SYSTEME A DECHETS PHARMACEUTIQUES**
[72] MANESS, DAVID A., US
[72] VANDERWOUDE, BRIAN J., US
[71] STRYKER CORPORATION, US
[85] 2019-03-08
[86] 2017-09-08 (PCT/US2017/050648)
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[30] US (62/385,746) 2016-09-09
[30] US (62/430,623) 2016-12-06

[21] **3,036,339**
[13] A1

[51] **Int.Cl. C11B 13/02 (2006.01) C07C 51/15 (2006.01)**
[25] EN
[54] **METHODS FOR MAKING FREE FATTY ACIDS AND FATTY ACID DERIVATIVES FROM MIXED LIPID FEEDSTOCKS OR SOAPSTOCKS**
[54] **PROCEDES DE FABRICATION D'ACIDES GRAS LIBRES ET DE DERIVES D'ACIDES GRAS A PARTIR DE MATIERES PREMIERES LIPIDIQUES MELANGEES OU DE PATES DE NEUTRALISATION**
[72] SUTTERLIN, WILLIAM RUSTY, US
[72] LONG, RYAN ALEXANDER, US
[72] BLANCHARD, CORY ONEIL, US
[72] BROWN, JOHN, US
[71] INVENTURE RENEWABLES, INC., US
[85] 2019-03-08
[86] 2017-09-06 (PCT/US2017/050321)
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[13] A1

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[54] **FORMES CRISTALLINES DE COMPOSES THERAPEUTIQUES ET LEURS UTILISATIONS**
[72] NGUYEN, MINH NGOC, US
[72] ONG, WINSTON ZAPANTA, US
[71] KALA PHARMACEUTICALS, INC., US
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[87] (WO2018/048750)
[30] US (62/385,155) 2016-09-08

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[13] A1

[51] **Int.Cl. E04D 13/18 (2018.01) H02S 20/23 (2014.01)**
[25] EN
[54] **FIXING STRUCTURE OF SOLAR CELL MODULE**
[54] **STRUCTURE DE FIXATION DE MODULE PHOTOVOLTAIQUE**
[72] KOBAYASHI, SHUICHI, JP
[71] YANEGIJUTSUKENKYUJO CO., LTD., JP
[85] 2019-03-08
[86] 2016-09-29 (PCT/JP2016/078852)
[87] (WO2018/061152)

[21] **3,036,342**
[13] A1

[51] **Int.Cl. B66C 1/36 (2006.01)**
[25] EN
[54] **REMOTE OPERATED LATCH ASSEMBLY AND LIFTING HOOK WITH SUCH AN ASSEMBLY**
[54] **ENSEMBLE VERROU ACTIONNE A DISTANCE ET CROCHET DE LEVAGE COMPRENANT UN TEL ENSEMBLE**
[72] LIEN, ELDAR, NO
[72] WYPYCH, WOJCIECH PIOTR, NO
[71] ACTUANT CORPORATION, US
[85] 2019-03-08
[86] 2017-09-08 (PCT/US2017/050658)
[87] (WO2018/049144)
[30] US (62/384,821) 2016-09-08

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[13] A1

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[25] EN
[54] **NOVEL CULTIVATION SYSTEM FOR THE EFFICIENT PRODUCTION OF MICROORGANISMS**
[54] **NOUVEAU SYSTEME DE CULTURE POUR LA PRODUCTION EFFICACE DE MICRO-ORGANISMES**
[72] ALIBEK, KEN, US
[72] FARMER, SEAN, US
[72] ZORNER, PAUL S., US
[72] MAZUMDER, SHARMISTHA, US
[71] LOCUS IP COMPANY, LLC, US
[85] 2019-03-08
[86] 2017-09-08 (PCT/US2017/050661)
[87] (WO2018/049146)
[30] US (62/385,057) 2016-09-08
[30] US (62/404,516) 2016-10-05

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[13] A1

[51] **Int.Cl. F25D 11/00 (2006.01) F02D 29/06 (2006.01) F25B 27/00 (2006.01)**
[25] EN
[54] **REFRIGERATION SYSTEM AND CONTROL DEVICE**
[54] **SYSTEME DE REFRIGERATION ET DISPOSITIF DE COMMANDE**
[72] TAKIZAWA, RYO, JP
[71] DENSO CORPORATION, JP
[85] 2019-03-08
[86] 2017-07-20 (PCT/JP2017/026348)
[87] (WO2018/051635)
[30] JP (2016-182461) 2016-09-19

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[25] EN
[54] **ULTRAVIOLET IRRADIATION DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE D'IRRADIATION ULTRAVIOLETTE**
[72] YAMAKOSHI, YUJI, JP
[71] PHOTOSCIENCE JAPAN CORPORATION, JP
[85] 2019-03-08
[86] 2017-08-24 (PCT/JP2017/030340)
[87] (WO2018/047629)
[30] JP (2016-176898) 2016-09-09

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[25] EN
[54] **HETEROCYCLIC TEC-FAMILY KINASE INHIBITORS**
[54] **INHIBITEURS DES KINASES DE LA FAMILLE DES KINASES TEC HETEROCYCLIQUES**
[72] LAURENT, ALAIN, CA
[72] ROSE, YANNICK, CA
[72] MORRIS, STEPHEN J., CA
[71] GB005, INC., US
[85] 2019-03-08
[86] 2016-09-09 (PCT/CA2016/051068)
[87] (WO2017/041180)
[30] CA (2.904.270) 2015-09-11

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[13] A1

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[25] EN
[54] **SIGNAL TAPE**
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[72] DUNN, RYAN C., US
[72] WRIGHT, BRYAN D., US
[72] ROSS, ROBERT A., US
[72] PARMAN, JOSHUA M., US
[72] TUBBS, DONALD A., US
[72] BELL, PAUL A., US
[71] EAS IP, LLC, US
[85] 2019-03-08
[86] 2017-09-07 (PCT/US2017/050405)
[87] (WO2018/048986)
[30] US (62/385,246) 2016-09-08
[30] US (62/470,185) 2017-03-10

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[21] **3,036,348**
[13] A1

[51] **Int.Cl. A63F 13/80 (2014.01) A63H 33/04 (2006.01) G06F 3/01 (2006.01)**

[25] EN

[54] **METHOD OF AND SYSTEM FOR FACILITATING STRUCTURED BLOCK PLAY**

[54] **PROCEDE ET SYSTEME PERMETTANT DE FACILITER L'UTILISATION D'UN JEU DE CUBES STRUCTURE**

[72] LACROSSE, JIM, US
[72] BAKER, JOHN, US
[71] BLOCKS ROCK LLC, US

[85] 2019-03-08
[86] 2017-09-07 (PCT/US2017/050480)
[87] (WO2018/049030)
[30] US (15/260,016) 2016-09-08

[21] **3,036,349**
[13] A1

[51] **Int.Cl. C07C 317/46 (2006.01) A61K 31/235 (2006.01) A61P 1/16 (2006.01) A61P 9/10 (2006.01) A61P 25/02 (2006.01) A61P 29/00 (2006.01) A61P 37/02 (2006.01) A61P 43/00 (2006.01)**

[25] EN

[54] **CYCLIC COMPOUND**

[54] **COMPOSE CYCLIQUE**

[72] KOBAYASHI, TOSHITAKE, JP
[72] SAITOH, MORIHISA, JP
[72] WADA, YASUFUMI, JP
[72] NEGORO, NOBUYUKI, JP
[72] YAMASAKI, MASASHI, JP
[72] TANAKA, TAKAHIRO, JP
[72] KITAMOTO, NAOMI, JP
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP

[85] 2019-03-08
[86] 2017-09-07 (PCT/JP2017/032192)
[87] (WO2018/047888)
[30] JP (2016-176545) 2016-09-09

[21] **3,036,350**
[13] A1

[51] **Int.Cl. C12N 15/09 (2006.01) A61K 31/56 (2006.01) A61K 39/395 (2006.01) A61K 45/00 (2006.01) A61P 1/04 (2006.01) A61P 3/10 (2006.01) A61P 5/16 (2006.01) A61P 7/04 (2006.01) A61P 7/06 (2006.01) A61P 17/00 (2006.01) A61P 17/06 (2006.01) A61P 19/02 (2006.01) A61P 21/00 (2006.01) A61P 21/04 (2006.01) A61P 25/00 (2006.01) A61P 27/02 (2006.01) A61P 29/00 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) A61P 37/06 (2006.01) A61P 37/08 (2006.01) A61P 43/00 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **ANTIBODY FOR TREATING AUTOIMMUNE DISEASES**

[54] **ANTICORPS POUR LE TRAITEMENT D'UNE MALADIE AUTO-IMMUNE**

[72] MUKASA, RYUTA, JP
[72] NAKAMURA, KENSUKE, JP
[72] MURAMATSU, SUMIE, JP
[72] MAKITA, NAOYUKI, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP

[85] 2019-03-08
[86] 2017-09-07 (PCT/JP2017/032212)
[87] (WO2018/047894)
[30] JP (2016-175491) 2016-09-08

[21] **3,036,352**
[13] A1

[51] **Int.Cl. C25B 11/06 (2006.01) C25B 1/06 (2006.01) C25B 9/00 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING ANODE FOR ALKALINE WATER ELECTROLYSIS, AND ANODE FOR ALKALINE WATER ELECTROLYSIS**

[54] **ELECTRODE POSITIVE D'ELECTROLYSE D'EAU ALCALINE ET SON PROCEDE DE FABRICATION**

[72] MITSUSHIMA, SHIGENORI, JP
[72] FUJITA, SHO, JP
[72] NAGASHIMA, IKUO, JP
[72] NISHIKI, YOSHINORI, JP
[72] MANABE, AKIYOSHI, JP
[72] KATO, AKIHIRO, JP
[71] DE NORA PERMELEC LTD, JP
[71] NATIONAL UNIVERSITY CORPORATION YOKOHAMA NATIONAL UNIVERSITY, JP
[71] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP

[85] 2019-03-08
[86] 2017-09-11 (PCT/JP2017/032638)
[87] (WO2018/047961)
[30] JP (2016-176689) 2016-09-09

[21] **3,036,354**
[13] A1

[51] **Int.Cl. A47L 9/04 (2006.01)**

[25] EN

[54] **AGITATOR WITH HAIR REMOVAL**

[54] **AGITATEUR A ELIMINATION DES POILS**

[72] UDY, ADAM, GB
[72] BROWN, ANDRE D., US
[72] CARTER, STEVEN P., GB
[71] SHARKNINJA OPERATING LLC, US

[85] 2019-03-08
[86] 2017-09-08 (PCT/US2017/050691)
[87] (WO2018/049169)
[30] US (62/385,572) 2016-09-09

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[21] **3,036,355**
[13] A1

[51] **Int.Cl. B65D 77/04 (2006.01)**
[25] EN
[54] **PALLET CONTAINER**
[54] **CONTENEUR SUR PALETTE**
[72] WEYRAUCH, DETLEV, DE
[72] ADOLFS, STEFAN, DE
[71] MAUSER-WERKE GMBH, DE
[85] 2019-03-11
[86] 2017-09-12 (PCT/EP2017/001074)
[87] (WO2018/046131)
[30] DE (20 2016 005 519.5) 2016-09-12

[21] **3,036,356**
[13] A1

[51] **Int.Cl. A61K 31/4164 (2006.01) A61K 9/10 (2006.01) A61P 31/04 (2006.01) A61P 33/02 (2006.01)**
[25] EN
[54] **SUSPENSIONS AND DILUENTS FOR METRONIDAZOLE AND BACLOFEN**
[54] **SUSPENSIONS ET DILUANTS POUR LE METRONIDAZOLE ET LE BACLOFENE**
[72] FALLIN, KEN, US
[72] PENDON, ZEUS, US
[72] CAPILA, PRIYA, US
[72] MUNI, NEAL, US
[71] CUTISPHARMA, INC., US
[85] 2019-03-08
[86] 2017-09-08 (PCT/US2017/050714)
[87] (WO2018/049184)
[30] US (62/385,325) 2016-09-09

[21] **3,036,357**
[13] A1

[51] **Int.Cl. C01B 21/26 (2006.01) B01D 53/047 (2006.01) B01D 53/94 (2006.01) C01C 1/04 (2006.01)**
[25] EN
[54] **A PROCESS FOR NITRIC ACID PRODUCTION**
[54] **PROCEDE DE PRODUCTION D'ACIDE NITRIQUE**
[72] OSTUNI, RAFFAELE, CH
[72] GRANGER, JEAN FRANCOIS, CH
[72] FRANCESCHIN, GIADA, IT
[72] BIASI, PIERDOMENICO, IT
[71] CASALE SA, CH
[85] 2019-03-11
[86] 2017-06-27 (PCT/EP2017/065882)
[87] (WO2018/054565)
[30] EP (16190504.7) 2016-09-23

[21] **3,036,358**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PYRAZOLOPYRIDINE DERIVATIVES AS HPK1 MODULATORS AND USES THEREOF FOR THE TREATMENT OF CANCER**
[54] **DERIVES DE PYRAZOLOPYRIDINE COMME MODULATEURS DE HPK1 ET LEURS UTILISATIONS POUR LE TRAITEMENT DU CANCER**
[72] YE, HAI-FEN, US
[72] VECHORKIN, OLEG, US
[72] PAN, JUN, US
[72] LIU, KAI, US
[72] SOKOLSKY, ALEXANDER, US
[72] WANG, ANLAI, US
[72] YE, QINDA, US
[72] YAO, WENQING, US
[71] INCYTE CORPORATION, US
[85] 2019-03-08
[86] 2017-09-08 (PCT/US2017/050737)
[87] (WO2018/049200)
[30] US (62/385,584) 2016-09-09

[21] **3,036,359**
[13] A1

[51] **Int.Cl. F04B 9/02 (2006.01) F04B 53/14 (2006.01)**
[25] EN
[54] **RECIPROCATING PISTON PUMP AND METHOD OF MANUFACTURE**
[54] **POMPE A PISTON ALTERNATIF ET PROCEDE DE FABRICATION**
[72] HUANG, HENRY, US
[72] BULUGIOIU, RAZVAN, US
[72] EASTERBROOK, WILLIAM, US
[71] BIO-CHEM FLUIDICS, INC., US
[85] 2019-03-08
[86] 2017-09-08 (PCT/US2017/050590)
[87] (WO2018/049096)
[30] US (62/385,662) 2016-09-09
[30] US (62/406,982) 2016-10-12
[30] US (15/692,930) 2017-08-31

[21] **3,036,360**
[13] A1

[51] **Int.Cl. C08G 75/22 (2006.01) C07D 263/57 (2006.01) C08G 61/00 (2006.01) C08G 63/00 (2006.01) C08G 73/00 (2006.01) C09K 11/00 (2006.01) D01D 4/00 (2006.01) D01F 6/74 (2006.01) H01B 1/00 (2006.01) H01L 51/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A POLYBENZAZOLE POLYMER (P)**
[54] **PROCEDE DE PRODUCTION D'UN POLYMERE DE TYPE POLYBENZAZOLE (P)**
[72] HOECKER, JOHANNES DAVID, DE
[72] MASSONNE, KLEMENS, DE
[72] BRILL, MARCEL, DE
[72] MERGER, MARTIN, DE
[72] RUCH, JOACHIM, DE
[72] FLEISCHEL, OLIVIER, FR
[72] HERMANUTZ, FRANK, DE
[72] UNOLD, JOERG, DE
[71] BASF SE, DE
[85] 2019-03-11
[86] 2017-09-05 (PCT/EP2017/072232)
[87] (WO2018/050489)
[30] EP (16188838.3) 2016-09-14

[21] **3,036,361**
[13] A1

[51] **Int.Cl. A61M 16/10 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PORTABLE NITRIC OXIDE DELIVERY**
[54] **SYSTEME ET PROCEDE D'ADMINISTRATION D'OXYDE NITRIQUE PORTABLE**
[72] FINE, DAVID H., US
[72] BROMBERG, ED, US
[72] GAMERO, LUCAS, US
[72] DENTON, RYAN, US
[72] JOHNSON, BRYAN, US
[72] GELMAN, BARRY, US
[71] VERO BIOTECH LLC, US
[85] 2019-03-08
[86] 2017-09-09 (PCT/US2017/050862)
[87] (WO2018/049291)
[30] US (62/385,970) 2016-09-10

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[21] **3,036,362**
[13] A1

[51] **Int.Cl. F04D 29/62 (2006.01) F04D 29/22 (2006.01) F04D 29/42 (2006.01)**

[25] EN

[54] **SINGLE-STAGE CENTRIFUGAL PUMPING UNIT**

[54] **EQUIPEMENT DE POMPE CENTRIFUGE A ETAGE UNIQUE**

[72] KUSHNAREV, VLADIMIR IVANOVICH, RU

[72] KUSHNAREV, IVAN VLADIMIROVICH, RU

[72] OBOZNY, YURY SERGEEVICH, UA

[71] LIMITED LIABILITY COMPANY "NEFTEKAMSK MACHINERY PLANT" (LLC NKMZ), RU

[85] 2018-12-27

[86] 2017-07-07 (PCT/RU2017/000500)

[87] (WO2018/013010)

[30] RU (2016128485) 2016-07-13

[21] **3,036,363**
[13] A1

[51] **Int.Cl. A61C 5/55 (2017.01) A61C 5/62 (2017.01) A61C 5/66 (2017.01)**

[25] EN

[54] **DEVICE FOR PROVIDING ENDODONTIC MATERIAL HAVING A CARTRIDGE INCLUDING AN ELECTRICALLY CONDUCTIVE HEATING LAYER**

[54] **DISPOSITIF POUR FOURNIR UN MATERIAU ENDODONTIQUE AYANT UNE CARTOUCHE COMPRENANT UNE COUCHE CHAUFFANTE CONDUCTRICE D'ELECTRICITE**

[72] LI, NATHAN, US

[71] TULSA DENTAL PRODUCTS LLC, US

[85] 2019-03-08

[86] 2017-09-11 (PCT/US2017/050983)

[87] (WO2018/049338)

[30] US (62/393,030) 2016-09-11

[30] US (62/393,029) 2016-09-11

[21] **3,036,364**
[13] A1

[51] **Int.Cl. A61B 1/04 (2006.01) A61M 31/00 (2006.01)**

[25] EN

[54] **ELECTROMECHANICAL INGESTIBLE DEVICE FOR DELIVERY OF A DISPENSABLE SUBSTANCE**

[54] **DISPOSITIF INGERABLE ELECTROMECHANIQUE POUR L'ADMINISTRATION D'UNE SUBSTANCE DISTRIBUABLE**

[72] JONES, MITCHELL LAWRENCE, US

[72] WAHL, CHRISTOPHER LOREN, US

[72] WEY, GENE ALAN, CA

[72] PHILIPPSEN, AARON OLAFUR LAURENCE, CA

[72] DRLIK, MARK SASHA, CA

[72] JONES, RYAN ELLIOTT, TC

[72] MULLER, NATHAN JOHN, CA

[72] GARLAND, ANDREW CARLOS, CA

[72] NIKNIA, IMAN, CA

[71] JONES, MITCHELL LAWRENCE, US

[71] WAHL, CHRISTOPHER LOREN, US

[71] WEY, GENE ALAN, CA

[71] PHILIPPSEN, AARON OLAFUR LAURENCE, CA

[71] DRLIK, MARK SASHA, CA

[71] JONES, RYAN ELLIOTT, TC

[71] MULLER, NATHAN JOHN, CA

[71] GARLAND, ANDREW CARLOS, CA

[71] NIKNIA, IMAN, CA

[85] 2019-03-08

[86] 2017-09-08 (PCT/US2017/050642)

[87] (WO2018/049133)

[30] US (62/385,553) 2016-09-09

[30] US (62/478,955) 2017-03-30

[30] US (62/478,753) 2017-03-30

[30] US (62/480,187) 2017-03-31

[30] US (62/540,873) 2017-08-03

[30] US (62/545,129) 2017-08-14

[21] **3,036,365**
[13] A1

[51] **Int.Cl. A23L 33/00 (2016.01) A23L 33/135 (2016.01) A23L 33/185 (2016.01) A61P 37/08 (2006.01)**

[25] EN

[54] **FERMENTED NUTRITIONAL COMPOSITION FOR COW'S MILK PROTEIN ALLERGIC SUBJECTS**

[54] **COMPOSITION NUTRITIONNELLE FERMENTEE POUR SUJETS ALLERGIQUES AUX PROTEINES DU LAIT DE VACHE**

[72] THEVENIER, ANNE, CH

[72] SCHUH, SUSANNE, CH

[72] JOHNSON, KATJA, CH

[72] VIKAS, MARTIN KARL, CH

[72] KUSLYS, MARTINAS, CH

[72] RAN-RESSLER, RINAT RIVKA, US

[72] RADE-KUKIC, KORALJKA, US

[71] NESTEC S.A., CH

[85] 2019-03-11

[86] 2017-09-13 (PCT/EP2017/073046)

[87] (WO2018/050710)

[30] US (62/393790) 2016-09-13

[21] **3,036,366**
[13] A1

[51] **Int.Cl. G06T 7/00 (2017.01) G06T 15/04 (2011.01) G06T 17/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR CREATING THREE-DIMENSIONAL MODELS**

[54] **SYSTEME ET PROCEDE DE CREATION DE MODELES TRIDIMENSIONNELS**

[72] BALESTRA, SIMONE, IT

[72] DINI, FABRIZIO, IT

[72] ESPOSITO, MATTEO, IT

[71] INVRSION S.R.L., IT

[85] 2019-03-08

[86] 2017-08-29 (PCT/EP2017/071657)

[87] (WO2018/046352)

[30] IT (102016000091510) 2016-09-12

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[21] **3,036,367**
[13] A1

[51] **Int.Cl. E06B 3/663 (2006.01) C09J 183/04 (2006.01)**
[25] EN
[54] **MOISTURE-CURABLE HOT MELT SILICONE ADHESIVE COMPOSITIONS INCLUDING AN ALKOXY-FUNCTIONAL SILOXANE REACTIVE RESIN AND STRUCTURAL GLAZING**
[54] **COMPOSITIONS D'ADHESIVES DE SILICONE, THERMOFUSIBLES, DURCISSABLES A L'HUMIDITE, COMPRENANT UNE RESINE REACTIVE DE SILOXANE A FONCTIONNALITE ALCOXY**
[72] CULOT, DOMINIQUE, BE
[71] DOW SILICONES CORPORATION, US
[85] 2019-03-11
[86] 2017-09-15 (PCT/EP2017/073344)
[87] (WO2018/050855)
[30] GB (1615907.1) 2016-09-16
[30] GB (1615906.3) 2016-09-17

[21] **3,036,368**
[13] A1

[51] **Int.Cl. C07K 16/44 (2006.01)**
[25] EN
[54] **ACID-ALPHA GLUCOSIDASE VARIANTS AND USES THEREOF**
[54] **VARIANTS D'ACIDE-ALPHA GLUCOSIDASE ET LEURS UTILISATIONS**
[72] MINGOZZI, FEDERICO, FR
[72] RONZITTI, GIUSEPPE, FR
[72] COLELLA, PASQUALINA, FR
[72] PUZZO, FRANCESCO, FR
[71] GENETHON, FR
[71] SORBONNE UNIVERSITE, FR
[85] 2019-03-08
[86] 2017-09-12 (PCT/EP2017/072945)
[87] (WO2018/046775)
[30] EP (16306149.2) 2016-09-12

[21] **3,036,369**
[13] A1

[51] **Int.Cl. B01D 67/00 (2006.01) B01D 65/08 (2006.01) B01D 69/10 (2006.01) B01D 69/12 (2006.01) B01D 69/14 (2006.01) B01D 71/02 (2006.01) C08J 7/04 (2006.01) B01D 61/02 (2006.01)**
[25] EN
[54] **GRAPHENE OXIDE ANTI-MICROBIAL ELEMENT**
[54] **ELEMENT ANTIMICROBIEN A BASE D'OXYDE DE GRAPHENE**
[72] HSIEH, WANYUN, US
[72] KITAHARA, ISAMU, US
[72] ERICSON, JOHN, US
[72] KOBUKE, MAKOTO, JP
[72] WANG, PENG, US
[72] ZHENG, SHIJUN, US
[71] NITTO DENKO CORPORATION, JP
[85] 2019-03-08
[86] 2017-09-08 (PCT/US2017/050679)
[87] (WO2018/049160)
[30] US (62/385,025) 2016-09-08

[21] **3,036,370**
[13] A1

[51] **Int.Cl. C11B 3/00 (2006.01) C11B 3/16 (2006.01)**
[25] EN
[54] **WATER TREATMENT OF LIPID MATERIAL**
[54] **TRAITEMENT DE L'EAU D'UNE MATIERE LIPIDIQUE**
[72] TOUKONIITTY, BLANKA, FI
[72] LINDQVIST, PETRI, FI
[71] NESTE OYJ, FI
[85] 2019-03-11
[86] 2017-09-28 (PCT/EP2017/074583)
[87] (WO2018/060305)
[30] FI (20165733) 2016-09-30

[21] **3,036,371**
[13] A1

[51] **Int.Cl. A47J 42/52 (2006.01)**
[25] EN
[54] **COFFEE CONTAINERS AND ASSOCIATED SYSTEM AND METHOD FOR PREPARING ROAST AND GROUND COFFEE**
[54] **CONTENANTS DE CAFE, SYSTEME ET PROCEDE ASSOCIES POUR LA PREPARATION DE CAFE TORREFIE ET MOULU**
[72] DUBIEF, FLAVIEN, CH
[72] PERENTES, ALEXANDRE, CH
[72] YOAKIM, ALFRED, CH
[72] BOURNIVAL, CHRISTIANNE, CH
[71] NESTEC S.A., CH
[85] 2019-03-11
[86] 2017-10-06 (PCT/EP2017/075498)
[87] (WO2018/069182)
[30] EP (16194012.7) 2016-10-14

[21] **3,036,372**
[13] A1

[51] **Int.Cl. F24F 1/04 (2011.01) F24D 5/00 (2006.01) F25D 3/08 (2006.01)**
[25] EN
[54] **PERSONAL AMBIENT AIR TEMPERATURE MODIFICATION DEVICE**
[54] **DISPOSITIF DE MODIFICATION DE TEMPERATURE D'AIR AMBIANT PERSONNEL**
[72] HERWECK, STEVE A., US
[72] HERWECK, DANA, US
[72] MCCARTHY, MICHAEL, US
[71] AIRWIR, LLC, US
[85] 2019-03-08
[86] 2017-09-08 (PCT/US2017/050730)
[87] (WO2018/049194)
[30] US (62/385,669) 2016-09-09

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[21] **3,036,373**
[13] A1

[51] **Int.Cl. G01V 3/30 (2006.01) E21B 47/01 (2012.01) E21B 47/12 (2012.01) G01V 3/12 (2006.01) G01V 3/26 (2006.01) G01V 3/28 (2006.01) G01V 3/34 (2006.01)**

[25] EN

[54] **APPARATUS AND METHODS FOR MAKING AZIMUTHAL RESISTIVITY MEASUREMENTS WITH OFF-SET DIRECTIONAL ANTENNAS**

[54] **APPAREIL ET PROCEDES DE REALISATION DE MESURES DE RESISTIVITE AZIMUTALE A L'AIDE D'ANTENNES DIRECTIONNELLES DECALEES**

[72] WANG, TSILI, US

[71] WELL RESOLUTIONS TECHNOLOGY, US

[85] 2019-03-08

[86] 2017-09-11 (PCT/US2017/050894)

[87] (WO2018/049298)

[30] US (62/385,438) 2016-09-09

[21] **3,036,374**
[13] A1

[51] **Int.Cl. B41M 1/12 (2006.01)**

[25] EN

[54] **ALIGNMENT INDICATOR FOR REGISTRATION SYSTEM**

[54] **INDICATEUR D'ALIGNEMENT POUR SYSTEME DE POSITIONNEMENT**

[72] HOFFMAN, RICHARD C., JR., US

[72] OLESON, ANDREW L., US

[72] FALK, KEITH R., US

[72] TKACZ, DAREK, US

[71] M&R PRINTING EQUIPMENT, INC., US

[85] 2019-03-08

[86] 2017-09-12 (PCT/US2017/051164)

[87] (WO2018/049394)

[30] US (62/393,290) 2016-09-12

[30] US (15/700,672) 2017-09-11

[21] **3,036,375**
[13] A1

[51] **Int.Cl. B23K 35/02 (2006.01) B23K 9/12 (2006.01) B23K 9/173 (2006.01) B23K 9/18 (2006.01) B23K 9/28 (2006.01)**

[25] EN

[54] **HELICAL WELDING WIRE AND HELIX FORMING WELDING TORCH**

[54] **FIL DE SOUDAGE HELICOIDAL ET CHALUMEAU DE SOUDAGE FORMANT UNE HELICE**

[72] HSU, CHRISTOPHER, US

[71] ILLINOIS TOOL WORKS INC., US

[85] 2019-03-08

[86] 2017-09-12 (PCT/US2017/051090)

[87] (WO2018/052880)

[30] US (15/268,578) 2016-09-17

[21] **3,036,376**
[13] A1

[51] **Int.Cl. A61B 1/06 (2006.01) A61B 5/00 (2006.01) A61B 5/145 (2006.01) A61B 8/00 (2006.01) G01H 9/00 (2006.01) G01N 21/17 (2006.01)**

[25] EN

[54] **ULTRASOUND-GUIDED OPTOACOUSTIC MONITORING OF OXYGEN SATURATION**

[54] **SURVEILLANCE OPTOACOUSTIQUE DE LA SATURATION EN OXYGENE GUIDEE PAR ULTRASON**

[72] PROUGH, DONALD S., US

[72] KINSKY, MICHAEL P., US

[72] ESENALIEV, RINAT O., US

[72] PETROV, IRENE Y., US

[72] PETROV, YURIY, US

[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US

[85] 2019-03-08

[86] 2017-09-12 (PCT/US2017/051217)

[87] (WO2018/049415)

[30] US (62/393,520) 2016-09-12

[21] **3,036,377**
[13] A1

[51] **Int.Cl. C04B 24/28 (2006.01) C04B 28/04 (2006.01) C09K 8/467 (2006.01)**

[25] EN

[54] **CEMENT HAVING CROSS-LINKED POLYMERS**

[54] **CIMENT AYANT DES POLYMERES RETICULES**

[72] CONTRERAS, ELIZABETH Q., US

[71] SAUDI ARABIAN OIL COMPANY, SA

[85] 2019-03-08

[86] 2017-09-20 (PCT/US2017/052367)

[87] (WO2018/057546)

[30] US (62/397,126) 2016-09-20

[30] US (15/701,670) 2017-09-12

[21] **3,036,378**
[13] A1

[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/078 (2010.01) A61L 27/36 (2006.01) C12N 5/28 (2006.01) C12Q 1/18 (2006.01)**

[25] EN

[54] **METHODS RELATING TO INTESTINAL ORGAN-ON-A-CHIP**

[54] **PROCEDES SE RAPPORTANT A UN ORGANE INTESTINAL SUR PUCE**

[72] INGBER, DONALD E., US

[72] KASENDRA, MAGDALENA, US

[72] SONTHEIMER-PHELPS, ALEXANDRA, US

[72] TOVAGLIERI, ALESSIO, US

[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US

[85] 2019-03-08

[86] 2017-09-13 (PCT/US2017/051296)

[87] (WO2018/052953)

[30] US (62/393,711) 2016-09-13

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[51] **Int.Cl. C09K 8/506 (2006.01) C09K 8/035 (2006.01) E21B 21/00 (2006.01)**
[25] EN
[54] **DATE TREE LEAFLET-BASED FLAKY LOST CIRCULATION MATERIAL**
[54] **COLMATANT EN FLOCONS A BASE DE FOLIOLES DE PALMIER DATTIER**
[72] AMANULLAH, MD, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-03-08
[86] 2017-09-26 (PCT/US2017/053355)
[87] (WO2018/064008)
[30] US (62/400,379) 2016-09-27
[30] US (15/689,033) 2017-08-29

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[13] A1

[51] **Int.Cl. B01J 29/068 (2006.01) B01J 29/072 (2006.01) B01J 29/076 (2006.01) B01J 29/12 (2006.01) B01J 29/14 (2006.01) B01J 29/22 (2006.01) B01J 29/24 (2006.01) B01J 29/26 (2006.01) B01J 29/44 (2006.01) B01J 29/46 (2006.01) B01J 29/48 (2006.01) B01J 29/74 (2006.01) B01J 29/76 (2006.01) B01J 29/78 (2006.01) B01J 29/80 (2006.01)**
[25] EN
[54] **HEAVY AROMATICS TO BTX CONVERSION PROCESS AND CATALYST COMPOSITIONS USED**
[54] **PROCEDE DE CONVERSION DE COMPOSES AROMATIQUES LOURDS EN BTX ET COMPOSITIONS DE CATALYSEUR UTILISEES**
[72] ELIA, CHRISTINE N., US
[72] LAI, WENYIH F., US
[72] NAIR, HARI, US
[72] CUTLER, JOSHUA I., US
[72] BAI, CHUANSHENG, US
[72] ROLLMAN, NICHOLAS S., US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2019-03-08
[86] 2017-09-28 (PCT/US2017/053889)
[87] (WO2018/071184)
[30] US (62/406,155) 2016-10-10
[30] EP (16201374.2) 2016-11-30

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[13] A1

[51] **Int.Cl. G06K 7/10 (2006.01) G01C 21/00 (2006.01) G01C 21/20 (2006.01) G01C 21/34 (2006.01) G01C 21/36 (2006.01) G05D 1/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR DRONE-BASED VEHICLE STATUS DETERMINATION**
[54] **SYSTEME ET PROCEDES DE DETERMINATION D'ETAT D'UN DRONE**
[72] NATARAJAN, CHANDRASHEKAR, US
[72] O'BRIEN, JOHN JEREMIAH, US
[72] HIGH, DONALD, US
[72] JONES, NATHAN GLENN, US
[71] WALMART APOLLO, LLC, US
[85] 2019-03-08
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[87] (WO2018/067553)
[30] US (62/403,971) 2016-10-04

[21] **3,036,382**
[13] A1

[51] **Int.Cl. C07D 473/00 (2006.01) A61K 31/52 (2006.01) A61P 3/00 (2006.01) A61P 29/00 (2006.01) C07D 401/14 (2006.01) C07D 471/10 (2006.01)**
[25] EN
[54] **DIARYL PURINE DERIVATIVES WITH IMPROVED BIOAVAILABILITY**
[54] **DERIVES DE DIARYLPURINE PRESENTANT UNE BIODISPONIBILITE AMELIOREE**
[72] MAITRA, RANGAN, US
[72] WIETHE, ROBERT W., US
[72] ZHANG, YANAN, US
[72] AMATO, GEORGE S., US
[71] RESEARCH TRIANGLE INSTITUTE, US
[85] 2019-03-08
[86] 2017-12-20 (PCT/US2017/067602)
[87] (WO2018/119076)
[30] US (62/437,280) 2016-12-21

[21] **3,036,383**
[13] A1

[51] **Int.Cl. G06F 3/01 (2006.01)**
[25] EN
[54] **HUMAN MACHINE INTERFACE SYSTEM**
[54] **SYSTEME D'INTERFACE DE HOMME MACHINE**
[72] MACDONALD, BRUCE, AU
[72] BOETTCHER, WILLIAM, AU
[71] KORDTECH PTY LTD, AU
[85] 2019-03-11
[86] 2017-09-25 (PCT/AU2017/051040)
[87] (WO2018/053599)
[30] AU (2016903879) 2016-09-25

[21] **3,036,384**
[13] A1

[51] **Int.Cl. A61K 31/4985 (2006.01) A61K 31/5377 (2006.01) A61P 7/06 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 37/08 (2006.01)**
[25] EN
[54] **SYK INHIBITORS**
[54] **INHIBITEURS DE SYK**
[72] ABELLA, ESTEBAN M., US
[72] DI PAOLO, JULIE A., US
[72] KEEGAN, KATHLEEN S., US
[72] MARCONDES, ANTONIO MARIO QUERIDO, US
[72] PAN, YANG, US
[72] RAO, ARATI V., US
[71] GILEAD SCIENCES, INC., US
[85] 2019-03-08
[86] 2017-09-14 (PCT/US2017/051649)
[87] (WO2018/053190)
[30] US (62/394,573) 2016-09-14
[30] US (62/416,047) 2016-11-01
[30] US (62/429,209) 2016-12-02

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[25] EN
[54] **CANINE ADENOVIRUS VECTORS**
[54] **VECTEURS D'ADENOVIRUS**
CANIN

[72] GALLEI, ANDREAS, DE
[72] KOUKUNTLA, RAMESH, US
[72] MANDELL, ROBERT BARRY, US
[72] MUNDT, ALICE, DE
[72] REHMET, KRISTINA, DE
[72] VAUGHN, ERIC MARTIN, US
[71] BOEHRINGER INGELHEIM
VETMEDICA GMBH, DE

[85] 2019-03-08
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[30] US (62/397,139) 2016-09-20

[21] **3,036,387**
[13] A1

[51] **Int.Cl. B23K 9/073 (2006.01) B23K**
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[25] EN
[54] **FIELD FORMER FOR USE IN**
WELDING APPLICATIONS
[54] **DISPOSITIF DE FORMATION DE**
CHAMP DESTINE A ETRE
UTILISE DANS DES
APPLICATIONS DE SOUDAGE

[72] HSU, CHRISTOPHER, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2019-03-08
[86] 2017-09-19 (PCT/US2017/052173)
[87] (WO2018/057487)
[30] US (15/270,510) 2016-09-20

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[13] A1

[51] **Int.Cl. C12N 5/07 (2010.01) C12N**
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[25] EN
[54] **COMPOSITIONS AND METHODS**
FOR MAINTAINING CELL
VIABILITY
[54] **COMPOSITIONS ET METHODES**
POUR DETERMINER UNE
VIABILITE CELLULAIRE

[72] CHANG, YA-HSUAN, CN
[72] LIN, CHENG-YI, CN
[72] CHAO, CHIH-YUAN, CN
[71] TRANSWELL BIOTECH CO., LTD.,
CN

[85] 2019-03-11
[86] 2017-10-04 (PCT/CN2017/105252)
[87] (WO2018/064975)
[30] US (62/404,170) 2016-10-04
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[21] **3,036,389**
[13] A1

[51] **Int.Cl. G06F 17/40 (2006.01) A47B**
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G01V 15/00 (2006.01) G06K 19/067
(2006.01)

[25] EN
[54] **AN ELECTRONIC TRACKING**
AND MONITORING SYSTEM AND
HARDWARE FOR TRACKING
ACTIVITY OF ARTICLES
RETAINED IN A SECURITY
ENCLOSURE

[54] **SYSTEME ELECTRONIQUE DE**
SUIVI ET DE SURVEILLANCE ET
MATERIEL DE SUIVI DE
L'ACTIVITE D'ARTICLES
RETENUS DANS UNE ENCEINTE
DE SECURITE

[72] GOULD, RICHARD, AU
[71] LOCKIT SYSTEMS PTY. LTD., AU
[85] 2019-03-11
[86] 2017-09-12 (PCT/AU2017/000194)
[87] (WO2018/045412)
[30] AU (2016903666) 2016-09-12

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[13] A1

[51] **Int.Cl. C08L 23/06 (2006.01) C08J**
9/00 (2006.01) C08L 27/18 (2006.01)
H01B 3/30 (2006.01)

[25] EN
[54] **NUCLEATING AGENT FOR**
FOAMABLE CABLE INSULATION
[54] **AGENT DE NUCLEATION POUR**
L'ISOLATION D'UN CABLE
EXPANSIBLE

[72] SUN, GANGWEI, CN
[72] ESSEGHIR, MOHAMED, US
[72] GONG, YONGHUA, CN
[71] DOW GLOBAL TECHNOLOGIES
LLC, US

[85] 2019-03-11
[86] 2016-09-13 (PCT/CN2016/098811)
[87] (WO2018/049555)

[21] **3,036,391**
[13] A1

[51] **Int.Cl. A01N 1/02 (2006.01) C12N**
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C12N 5/00 (2006.01)

[25] EN
[54] **COMPOSITIONS AND METHODS**
FOR CELL CRYOPRESERVATION
[54] **COMPOSITIONS ET PROCEDES**
DE CRYOCONSERVATION DE
CELLULES

[72] SHE, BIN-RU, CN
[72] CHIANG, KUN-CHI, CN
[72] LIN, CHENG-YI, CN
[72] HUANG, TING-YU, CN
[71] TRANSWELL BIOTECH CO., LTD.,
CN

[85] 2019-03-11
[86] 2017-10-04 (PCT/CN2017/105253)
[87] (WO2018/064976)
[30] US (62/404,170) 2016-10-04
[30] US (62/405,447) 2016-10-07

[21] **3,036,393**
[13] A1

[51] **Int.Cl. F01D 5/02 (2006.01) F01D 5/30**
(2006.01)

[25] EN
[54] **A TECHNIQUE FOR BALANCING**
OF A ROTOR OF A COMPRESSOR
FOR A GAS TURBINE
[54] **TECHNIQUE D'EQUILIBRAGE**
D'UN ROTOR DE COMPRESSEUR
POUR UNE TURBINE A GAZ

[72] MENG, ZHIQIANG, GB
[71] SIEMENS AKTIENGESELLSCHAFT,
DE

[85] 2019-03-11
[86] 2017-09-04 (PCT/EP2017/072090)
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<p>[51] Int.Cl. G01N 33/564 (2006.01) C07K 16/28 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS AND PRODUCTS FOR EVALUATING AN IMMUNE RESPONSE TO A THERAPEUTIC AGENT</p> <p>[54] METHODES ET PRODUITS SERVANT A EVALUER LA REPOSE IMMUNITAIRE A UN AGENT THERAPEUTIQUE</p> <p>[72] SUBRAMANYAM, MEENA, US</p> <p>[72] AMARAVADI, LAKSHMI, US</p> <p>[72] WAKSHULL, ERIC, US</p> <p>[72] LYNN, FRANCES, US</p> <p>[72] PANZARA, MICHAEL, US</p> <p>[72] BARBOUR, ROBIN MCDAID, US</p> <p>[72] TAYLOR, JULIE ELIZABETH, US</p> <p>[71] BIOGEN MA INC., US</p> <p>[22] 2006-04-04</p> <p>[41] 2006-10-12</p> <p>[62] 2,603,481</p> <p>[30] US (60/668,404) 2005-04-04</p>	<p>[51] Int.Cl. G06Q 30/02 (2012.01) G06Q 10/08 (2012.01) G06Q 50/30 (2012.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR PROVIDING A PRICE QUOTATION FOR A TRANSPORTATION SERVICE PROVIDING EQUIPMENT SELECTION CAPABILITY</p> <p>[54] SYSTEME ET METHODE DE FOURNITURE D'UNE PROPOSITION DE PRIX D'UN SERVICE DE TRANSPORT FOURNISSANT LA CAPACITE DE SELECTION DE L'EQUIPEMENT</p> <p>[72] PODGURNY, LEONARD JOHN, CA</p> <p>[72] ERNESAKS, ANITA, CA</p> <p>[71] CANADIAN NATIONAL RAILWAY COMPANY, CA</p> <p>[22] 2002-02-01</p> <p>[41] 2003-08-01</p> <p>[62] 3,004,843</p>	<p>[51] Int.Cl. A61K 31/568 (2006.01) A61K 9/00 (2006.01) A61K 9/10 (2006.01) A61K 47/10 (2017.01) A61K 47/22 (2006.01) A61K 47/44 (2017.01) A61P 5/26 (2006.01)</p> <p>[25] EN</p> <p>[54] CONTROLLED RELEASE NASAL TESTOSTERONE GELS, METHODS AND PRE-FILLED MULTI-DOSE APPLICATOR SYSTEMS FOR PERNASAL ADMINISTRATION</p> <p>[54] GELS NASAUX DE TESTOSTERONE A LIBERATION PROLONGEE, METHODES ASSOCIEES ET SYSTEMES APPLICATEURS MULTI-DOSES PRE-REMPLEES DESTINEES A UNE ADMINISTRATION PERNASALE</p> <p>[72] KREPPNER, WAYNE, CA</p> <p>[72] FOGARTY, SIOBHAN, IE</p> <p>[72] OBEREGGER, WERNER, CA</p> <p>[72] MAES, PAUL JOSE PIERRE MARIE, BE</p> <p>[71] ACERUS BIOPHARMA INC., CA</p> <p>[22] 2012-05-15</p> <p>[41] 2012-11-22</p> <p>[62] 2,836,405</p> <p>[30] US (61/486,324) 2011-05-15</p> <p>[30] US (61/486,634) 2011-05-16</p>
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[21] **3,034,837**
[13] A1

[51] **Int.Cl. G06F 17/40 (2006.01) G06F 16/29 (2019.01) G09B 29/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR COLLECTING AND UPDATING GEOGRAPHICAL DATA**
[54] **SYSTEME ET PROCEDE DE COLLECTE ET DE MISE A JOUR DE DONNEES GEOGRAPHIQUES**
[72] SAWYER, TOM Y., JR., US
[72] BECKNER, MARK, US
[72] TUCKER, PAGE, US
[72] JONES, SCOTT AUSTIN, US
[71] PROSTAR GEORP, INC., US
[22] 2007-03-14
[41] 2007-09-20
[62] 2,875,184
[30] US (60/781719) 2006-03-14
[30] US (60/868502) 2006-12-04

[21] **3,035,118**
[13] A1

[51] **Int.Cl. G16Z 99/00 (2019.01) G06F 3/01 (2006.01)**
[25] EN
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[54] **MONDE DE PRESENCE NUMERIQUE A DISTANCE SIMULTANE MASSIF**
[72] ABOVITZ, RONY, US
[71] MAGIC LEAP, INC., US
[22] 2012-05-04
[41] 2012-11-15
[62] 2,835,120
[30] US (61/483,505) 2011-05-06
[30] US (61/483,511) 2011-05-06

[21] **3,035,182**
[13] A1

[51] **Int.Cl. F16L 3/10 (2006.01)**
[25] EN
[54] **ADJUSTABLE BRACKET AND HUB FOR FLEXIBLE HOSE SUPPORT**
[54] **SUPPORT ET MOYEU REGLABLES POUR SUPPORT DE TUYAU FLEXIBLE**
[72] MITCHELL, STEPHEN, US
[72] DOOLEY, MIKE, US
[72] DAFONSECA, ODAIR, US
[72] RINGER, YORAM, US
[71] ANVIL INTERNATIONAL, LLC, US
[22] 2015-06-26
[41] 2015-12-27
[62] 2,895,800
[30] US (62/017,911) 2014-06-27
[30] US (62/087,295) 2014-12-04

[21] **3,035,218**
[13] A1

[51] **Int.Cl. G01N 21/01 (2006.01) G01N 21/63 (2006.01) G01N 21/76 (2006.01) G01N 21/84 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND APPARATUS TO IMAGE A SAMPLE FOR BIOLOGICAL OR CHEMICAL ANALYSIS**
[54] **SYSTEMES, PROCEDES ET APPAREILS D'IMAGERIE D'UN ECHANTILLON A DES FINS D'ANALYSE BIOLOGIQUE OU CHIMIQUE**
[72] REED, MARK T., US
[72] WILLIAMSON, ERIK, US
[72] CRANE, BRYAN, US
[72] LEUNG, PATRICK, US
[72] BUERMANN, DALE, US
[72] KINDWALL, ALEXANDER P., US
[72] ERIE, FREDERICK, US
[72] PRATT, MARK, US
[72] HARRIS, JASON, US
[72] CARSON, ANDREW JAMES, US
[72] HONG, STANLEY S., US
[72] BRYANT, JASON, US
[72] WANG, MARK, US
[72] VERKADE, DREW, US
[71] ILLUMINA, INC., US
[22] 2011-10-21
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[62] 2,889,301
[30] US (61/438,530) 2011-02-01
[30] US (13/273,666) 2011-10-14
[30] US (61/431,440) 2011-01-11
[30] US (61/438,486) 2011-02-01
[30] US (61/431,439) 2011-01-11
[30] US (61/431,429) 2011-01-10
[30] US (61/431,425) 2011-01-10
[30] US (61/438,567) 2011-02-01

[21] **3,035,335**
[13] A1

[51] **Int.Cl. C02F 5/00 (2006.01) C02F 1/00 (2006.01) C02F 1/42 (2006.01) C02F 1/66 (2006.01) C02F 5/08 (2006.01)**
[25] EN
[54] **HARD WATER TREATMENT SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE TRAITEMENT DE L'EAU DURE**
[72] WASHBURN, LAIRD, US
[72] TERRY, SEAN, US
[71] NUVO RESIDENTIAL, LLC DBA NUVOH2O, US
[22] 2013-01-31
[41] 2013-08-08
[62] 2,863,314
[30] US (61/594,286) 2012-02-02

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[21] **3,035,423**
[13] A1

[51] **Int.Cl. A61B 18/18 (2006.01) A61B 18/12 (2006.01)**
[25] EN
[54] **ELECTROSURGICAL APPARATUS FOR DELIVERING RF AND/OR MICROWAVE ENERGY INTO BIOLOGICAL TISSUE**
[54] **APPAREIL ELECTROCHIRURGICAL POUR DELIVRER UNE ENERGIE RF ET/OU HYPERFREQUENCE DANS UN TISSU BIOLOGIQUE**
[72] EBBUTT, JULIAN MARK, GB
[72] HANCOCK, CHRISTOPHER PAUL, GB
[72] MORRIS, STEVEN, GB
[72] SAUNDERS, BRIAN, GB
[72] WHITE, MALCOLM, GB
[71] CREO MEDICAL LIMITED, GB
[22] 2014-12-31
[41] 2015-07-09
[62] 2,934,981
[30] GB (1323171.7) 2013-12-31

[21] **3,035,430**
[13] A1

[51] **Int.Cl. E21B 43/26 (2006.01) E21B 33/122 (2006.01) E21B 33/129 (2006.01)**
[25] EN
[54] **DOWNHOLE TOOLS HAVING NON-TOXIC DEGRADABLE ELEMENTS AND METHODS OF USING THE SAME**
[54] **OUTILS DE FOND DE TROU AYANT DES ELEMENTS DEGRADABLES NON TOXIQUES ET LEURS PROCEDES D'UTILISATION**
[72] FRAZIER, DERRICK, US
[72] FRAZIER, GARRETT, US
[72] FRAZIER, W. LYNN, US
[71] MAGNUM OIL TOOLS INTERNATIONAL, LTD, US
[22] 2013-12-18
[41] 2014-06-26
[62] 2,895,507
[30] US (61/738,519) 2012-12-18
[30] US (13/843,051) 2013-03-15
[30] US (13/895,707) 2013-05-16
[30] US (13/969,066) 2013-08-16

[21] **3,035,442**
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01)**
[25] EN
[54] **PRODRUGS OF NH-ACIDIC COMPOUNDS**
[54] **PROMEDICAMENTS DE COMPOSES NH ACIDES**
[72] BLUMBERG, LAURA COOK, US
[72] REMENAR, JULIUS F., US
[72] ALMARSSON, ORN, US
[72] ZEIDAN, TAREK A., US
[71] ALKERMES PHARMA IRELAND LIMITED, IE
[22] 2010-06-24
[41] 2010-12-29
[62] 2,937,222
[30] US (62/220,480) 2009-06-25
[30] US (61/293,087) 2010-01-07
[30] US (61/293,133) 2010-01-07

[21] **3,035,449**
[13] A1

[51] **Int.Cl. A01M 7/00 (2006.01) A01C 23/00 (2006.01) A01G 25/00 (2006.01) A01G 25/09 (2006.01)**
[25] EN
[54] **BOOM ASSEMBLY JOINTS**
[54] **JOINTS D'ASSEMBLAGE DE FLECHE**
[72] DANIELS, ROGER E., US
[72] HUMPAL, RICHARD A., US
[72] BARKER, MARK E., US
[71] DEERE & COMPANY, US
[22] 2012-08-27
[41] 2013-03-09
[62] 2,787,904
[30] US (13/228,539) 2011-09-09

[21] **3,035,478**
[13] A1

[51] **Int.Cl. H05B 37/02 (2006.01) F21V 25/10 (2006.01) F21K 9/00 (2016.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MAINTAINING THE ILLUMINATION INTENSITY OF LIGHT EMITTING DIODES**
[54] **PROCEDES ET SYSTEMES DE MAINTIEN DE L'INTENSITE D'ECLAIREMENT DE DIODES ELECTROLUMINESCENTES**
[72] ZLOTNIKOV, VADIM, US
[72] GUNTER, JOHN B., US
[72] COKER, JIM, US
[72] BERMAN, GEORGE, US
[72] BERGER, VALERIY K., US
[71] LUMINATOR HOLDING LP, US
[22] 2009-09-24
[41] 2010-04-01
[62] 2,948,938
[30] US (61/099,702) 2008-09-24

[21] **3,035,500**
[13] A1

[51] **Int.Cl. H04W 52/22 (2009.01) H04W 52/42 (2009.01) H04W 52/54 (2009.01) H04B 7/06 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND APPARATUS FOR MOBILE TRANSMIT DIVERSITY USING SYMMETRIC PHASE DIFFERENCE**
[54] **SYSTEME, PROCEDE ET DISPOSITIF ASSURANT UNE DIVERSITE D'EMISSION MOBILE AU MOYEN D'UNE DIFFERENCE DE PHASE SYMETRIQUE**
[72] CHEN, PHIL F., US
[72] HAREL, HAIM, US
[71] GOOGLE LLC, US
[22] 2010-10-19
[41] 2011-04-28
[62] 2,781,337
[30] US (61/253,428) 2009-10-20
[30] US (61/295,971) 2010-01-18
[30] US (61/297,898) 2010-01-25
[30] US (61/310,192) 2010-03-03

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,035,502**
[13] A1

[51] **Int.Cl. A61K 47/69 (2017.01) A61K 47/59 (2017.01) A61K 9/14 (2006.01) A61P 27/02 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **DENDRIMER COMPOSITIONS AND THEIR USE IN TREATMENT OF DISEASES OF THE EYE**

[54] **COMPOSITIONS DE DENDRIMERES ET LEUR UTILISATION DANS LE TRAITEMENT DE MALADIES DE L'OEIL**

[72] RANGARAMANUJAM, KANNAN, US

[72] LUTTY, GERARD, US

[72] KAMBHAMPATI, SIVA PRAMODH, US

[72] MISHRA, MANOJ, US

[72] BHUTTO, IMRAN, US

[71] THE JOHNS HOPKINS UNIVERSITY, US

[22] 2015-04-30

[41] 2015-11-05

[62] 2,946,422

[30] US (61/986,495) 2014-04-30

[21] **3,035,532**
[13] A1

[51] **Int.Cl. C07D 209/24 (2006.01) A61K 49/00 (2006.01) A61K 51/04 (2006.01) A61P 35/00 (2006.01) C07D 207/333 (2006.01) C07D 213/38 (2006.01) C07D 249/04 (2006.01) C07D 311/18 (2006.01) C07D 311/78 (2006.01) C07D 311/82 (2006.01) C07D 405/12 (2006.01)**

[25] EN

[54] **PSMA-TARGETING COMPOUNDS AND USES THEREOF**

[54] **COMPOSES CIBLANT PSMA ET LEURS UTILISATIONS**

[72] POMPER, MARTIN G., US

[72] MEASE, RONNIE C., US

[72] RAY, SANGEETA, US

[72] CHEN, YING, US

[71] THE JOHNS HOPKINS UNIVERSITY, US

[22] 2010-03-19

[41] 2010-09-23

[62] 2,755,965

[30] US (61/161,484) 2009-03-19

[30] US (61/161,485) 2009-03-19

[30] US (61/248,067) 2009-10-02

[30] US (61/248,934) 2009-10-06

[21] **3,035,581**
[13] A1

[51] **Int.Cl. F16L 37/30 (2006.01) A61M 39/26 (2006.01) B65B 29/00 (2006.01) B67C 3/26 (2006.01)**

[25] EN

[54] **CONNECTOR FOR ASEPTIC FILLING AND TRANSFER OF FLUIDS**

[54] **CONNECTEUR DESTINE AU REMPLISSAGE ASEPTIQUE ET TRANSFERT DE FLUIDES**

[72] PY, DANIEL, US

[71] DR. PY INSTITUTE LLC, US

[22] 2013-05-01

[41] 2013-11-07

[62] 2,910,803

[30] US (61/641,248) 2012-05-01

[30] US (61/794,255) 2013-03-15

[21] **3,035,637**
[13] A1

[51] **Int.Cl. G06Q 20/08 (2012.01) G06Q 20/22 (2012.01)**

[25] EN

[54] **FACILITATING MICROPAYMENTS BETWEEN A PLURALITY OF PARTIES**

[54] **PROCEDE ET SYSTEME PERMETTANT DE FACILITER UN PAIEMENT EN RECOMPENSE DE PROMESSES DE MICRO-PAIEMENTS ACCUMULEES AVEC UN VENDEUR**

[72] OMIDYAR, PIERRE M., US

[71] EBAY INC., US

[22] 2003-11-10

[41] 2005-05-26

[62] 2,543,730

[21] **3,035,676**
[13] A1

[51] **Int.Cl. H04W 16/20 (2009.01) H04W 64/00 (2009.01) H04W 88/08 (2009.01) G08B 21/04 (2006.01) G08B 21/12 (2006.01) G08B 25/00 (2006.01)**

[25] EN

[54] **SYSTEM FOR RELATIVE POSITIONING OF ACCESS POINTS IN A REAL TIME LOCATING SYSTEM**

[54] **SYSTEME DE POSITIONNEMENT RELATIF DE POINTS D'ACCES DANS UN SYSTEME DE LOCALISATION EN TEMPS REEL**

[72] JOHNSON, ERNEST K., JR., US

[72] DAVISSON, MARK J., US

[72] LOWENBERG, COLIN, US

[71] ACCENTURE GLOBAL SERVICES LIMITED, IE

[22] 2010-07-30

[41] 2011-02-17

[62] 2,768,054

[30] US (61/234,134) 2009-08-14

[30] US (12/634,110) 2009-12-09

[21] **3,035,678**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR IDENTIFYING RELEVANT INFORMATION FOR AN ENTERPRISE**

[54] **SYSTEME ET PROCEDE D'IDENTIFICATION D'INFORMATIONS PERTINENTES POUR UNE ENTREPRISE**

[72] LYRAS, DIMITRIS, GB

[71] LYRAS, DIMITRIS, GB

[22] 2014-07-18

[41] 2016-01-21

[62] 3,021,514

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] **3,035,694**
[13] A1

[51] **Int.Cl. C09K 8/584 (2006.01) E21B 43/22 (2006.01) E21B 43/241 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR ENHANCEMENT OF PRODUCTION OF LIQUID AND GASEOUS HYDROCARBONS**

[54] **COMPOSITIONS ET PROCEDES POUR AMELIORER LA PRODUCTION D'HYDROCARBURES LIQUIDES ET GAZEUX ET APPLICATIONS ASSOCIEES**

[72] ZELENEV, ANDREI, US

[72] CHAMPAGNE, LAKIA M., US

[72] ZHOU, BILL, US

[72] LETT, NATHAN L., US

[72] DISMUKE, KEITH INGRAM, US

[72] PENNY, GLENN S., US

[71] FLOTEK CHEMISTRY, LLC, US

[22] 2014-05-08

[41] 2014-11-13

[62] 2,911,521

[30] US (13/889,709) 2013-05-08

[21] **3,035,878**
[13] A1

[51] **Int.Cl. C12N 15/52 (2006.01) C10L 1/02 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 9/00 (2006.01) C12N 9/02 (2006.01) C12N 9/10 (2006.01) C12N 9/16 (2006.01) C12N 15/53 (2006.01) C12N 15/54 (2006.01) C12N 15/55 (2006.01) C12N 15/63 (2006.01) C12P 7/00 (2006.01) C12P 7/18 (2006.01) C12P 7/40 (2006.01) C12P 7/62 (2006.01) C12P 7/64 (2006.01)**

[25] EN

[54] **ENHANCED PRODUCTION OF FATTY ACID DERIVATIVES**

[54] **PRODUCTION AMELIOREE DE DERIVES D'ACIDES GRAS**

[72] HU, ZHIHAO, US

[72] VALLE, FERNANDO, US

[71] REG LIFE SCIENCES, LLC, US

[22] 2008-03-28

[41] 2008-10-02

[62] 2,678,915

[30] US (60/908,547) 2007-03-28

[30] US (PCT/US2007/011923) 2007-05-18

[30] US (60/989,798) 2007-11-21

[21] **3,035,892**
[13] A1

[51] **Int.Cl. G01R 35/00 (2006.01) H02B 1/04 (2006.01) H02B 1/24 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR MEASURING ELECTRICAL POWER USAGE IN A STRUCTURE AND SYSTEMS AND METHODS OF CALIBRATING THE SAME**

[54] **SYSTEMES ET PROCEDES DE MESURE DE PUISSANCE ELECTRIQUE UTILISEE DANS UNE STRUCTURE, ET SYSTEMES ET PROCEDES D'ETALONNAGE ASSOCIES**

[72] PATEL, SHWETAK N., US

[72] GUPTA, SIDHANT, US

[72] REYNOLDS, MATTHEW S., US

[72] YOGESWARAN, KARTHIK, US

[71] BELKIN INTERNATIONAL, INC., US

[22] 2011-07-01

[41] 2012-01-05

[62] 2,804,106

[30] US (61/361,296) 2010-07-02

[30] US (61/380,174) 2010-09-03

[21] **3,035,925**
[13] A1

[51] **Int.Cl. H04H 20/18 (2009.01) H04J 11/00 (2006.01)**

[25] EN

[54] **SYNCHRONIZATION OF SEPARATED PLATFORMS IN AN HD RADIO BROADCAST SINGLE FREQUENCY NETWORK**

[54] **SYNCHRONISATION DE PLATEFORMES SEPREES DANS UN RESEAU MONO-FREQUENCE DE DIFFUSION DE HD RADIO**

[72] BALASUBRAMANIAN, MUTHU GOPAL, US

[72] IANNUZZELLI, RUSSELL, US

[72] MATTSON, STEPHEN DOUGLAS, US

[71] IBIQUITY DIGITAL CORPORATION, US

[22] 2009-12-03

[41] 2010-07-08

[62] 2,895,936

[30] US (12/346955) 2008-12-31

[21] **3,035,941**
[13] A1

[51] **Int.Cl. C07K 7/06 (2006.01) A61K 38/08 (2019.01) A61K 38/12 (2006.01) A61K 38/55 (2006.01) C07K 1/04 (2006.01) C07K 1/06 (2006.01) C07K 14/81 (2006.01)**

[25] EN

[54] **TEMPLATE-FIXED BETA-HAIRPIN PEPTIDOMIMETICS WITH PROTEASE INHIBITORY ACTIVITY**

[54] **PEPTIDOMIMETIQUES EN EPINGLE A CHEVEUX BETA FIXES SUR MATRICE, AYANT UNE ACTIVITE INHIBITRICE DES PROTEASES**

[72] GOMBERT, FRANK, DE

[72] DEMARCO, STEVEN J., CH

[72] JUNG, FRANCOISE, CH

[72] LUDIN, CHRISTIAN, CH

[72] OBRECHT, DANIEL, CH

[72] SELLIER, ODILE, CH

[72] MOEHLE, KERSTIN, CH

[72] HENZE, HEIKO, CH

[71] POLYPHOR LTD., CH

[71] UNIVERSITAT ZURICH, CH

[22] 2005-02-17

[41] 2006-08-24

[62] 2,915,175

[21] **3,036,180**
[13] A1

[51] **Int.Cl. E21B 49/08 (2006.01)**

[25] EN

[54] **APPARATUS AND METHODS FOR CEMENTED MULTI-ZONE COMPLETIONS**

[54] **APPAREIL ET PROCEDES POUR DES COMPLETIONS MULTIZONES CIMENTEES**

[72] LEMBCKE, JEFFREY JOHN, US

[72] PARKER, CHARLES D., US

[72] KIDDY, JASON SCOTT, US

[72] GREENAN, IAIN, US

[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US

[22] 2014-07-03

[41] 2015-01-15

[62] 2,917,550

[30] US (13/936,856) 2013-07-08

Index of Canadian Patents Issued

March 26, 2019

Index des brevets canadiens délivrés

26 mars 2019

1158990 B.C. LTD.	2,766,455	ARMSTRONG, JOHN		BAZARGAN, AFSHIN	2,810,328
3584925 CANADA INC. (DRL SYSTEMS)	2,822,498	RICHARD CAREW	2,960,227	BC NEW ENERGY (TIANJIN) CO., LTD.	2,801,307
3SHAPE A/S	2,790,243	ARRIS ENTERPRISES LLC	2,951,849	BECKER, JENS-ULRIK	2,933,709
AB INITIO TECHNOLOGY LLC	2,750,279	ARRIS ENTERPRISES LLC	2,965,667	BECKER, MICHAEL	2,917,370
ABBAS, LAURENT	2,829,486	ASEHNOUNE, KARIM	2,785,909	BECKER, WILLIAM JOSHUA	2,952,492
ACKERMANN, MATHIAS	2,478,009	ASELSTYNE, ALEX	3,005,828	BECKER, WILLIAM JOSHUA	2,961,260
ADACHI, TAKASHI	2,950,072	AT&T INTELLECTUAL PROPERTY I, L.P.	2,963,788	BECTON DICKINSON AND COMPANY LIMITED	2,946,562
AGCO CORPORATION	2,980,180	ATKINSON, JONATHAN RICHARD	2,822,737	BECTON, DICKINSON AND COMPANY	2,850,602
AHRENS, HARTMUT	2,854,098	ATTRI, RAVI	2,949,745	BECTON, DICKINSON AND COMPANY	2,949,745
AHTCHI-ALI, BADREDDINE	2,839,050	AU, VAN	2,839,050	BEDARD, STEPHANE	2,803,035
AIMONE, CHRISTOPHER ALLEN	2,973,012	AUDONNET, JEAN- CHRISTOPHE	2,791,787	BEDNARZ, BRONISLAW	2,860,487
AIRBUS HELICOPTERS	2,994,454	AUTOMATIC BAR CONTROLS, INC.	2,743,386	BELANGER, GERMAIN	2,788,948
ALBRECHT, UWE	2,813,971	AXELROD, GLEN S.	2,833,880	BELL HELICOPTER TEXTRON INC.	2,984,534
ALEMANY BONASTRE, RAMON	2,761,183	AXNAS, JOHAN	2,968,202	BELL, STEVE	2,929,953
ALLMANNSDORFER, RALF	2,851,749	AZAR, MICHAEL G.	2,923,870	BENNETT, ROBERT	2,963,788
ALSINA-FERNANDEZ, JORGE	2,973,352	AZZ WSI LLC	2,781,851	BENNI, DOMINIQUE	2,893,871
ALTAMURA, PAOLO	2,952,153	B-TEMIA INC.	2,803,035	BENTE, PAUL, F., IV	2,810,328
ALTMANN, ANDRES CLAUDIO	2,618,940	BABCOOK, JOHN	2,774,032	BERLEPSCH, JOSEPH ALLEN	2,948,885
AMARI, NAOMI	3,001,810	BADER, JACQUE S.	2,906,400	BERNARDIN, LAURENT	2,836,968
AMARI, NAOMI	3,001,821	BAI, YANHUI	2,957,977	BERSCHBACK, CASEY LAUREN	2,950,550
AMAZON TECHNOLOGIES, INC.	2,738,810	BAKER HUGHES INCORPORATED	2,940,517	BEYREIS, RANDALL	2,791,494
AMAZON TECHNOLOGIES, INC.	2,914,802	BAKES, KATHARINE A.	2,928,919	BHARGAVA, PRACHUR	2,926,940
AMAZON TECHNOLOGIES, INC.	2,949,839	BAKKER, ANDREW CHRISTIAN	2,694,406	BHUSHAN, INDU	2,961,445
AMAZON TECHNOLOGIES, INC.	2,965,863	BALDEMAIR, ROBERT	2,968,202	BIAGIOLINI, SILVIA	2,770,274
AMERICAN GREETINGS CORPORATION	2,976,610	BALDWIN, JESSE	2,774,780	BIERIE, WILLIAM K.	2,898,179
AMGEN BRITISH COLUMBIA	2,774,032	BALLIET, COURTNEY L.	2,944,394	BIGNER, DARELL D.	2,892,183
ANDAYA, BRIAN J.	2,852,400	BALLY GAMING, INC.	2,754,629	BILLET-FOISSAC, EMILIE	2,994,454
ANDERSEN CORPORATION	2,774,780	BAR-OR, JONATHAN	2,930,077	BINDSEIL, GERON ANDRE	2,977,407
ANDERSEN, JOHN L.	2,857,172	BARKSBY, NIGEL	2,812,757	BIO-RAD LABORATORIES, INC.	2,749,093
ANDERSSON, OLA	2,823,473	BARNER, MARIJKE	2,696,768	BIOMARIN PHARMACEUTICAL INC.	2,687,450
ANDRETTO, MAURO	2,811,367	BARNICKEL, DONALD J.	2,963,788	BIONESS NEUROMODULATION LTD.	2,930,077
ANGELL, SNORRE	2,862,107	BARNIOL GUTIERREZ, ALINA MARIA	2,807,393	BIOSENSE WEBSTER (ISRAEL), LTD.	2,723,041
ANSTEAD, DUANE HOWARD	2,950,248	BARRADEAU, SEBASTIEN	2,796,294	BIOSENSE WEBSTER, INC.	2,618,940
ANTHONY, INC.	2,857,655	BARTFELD, BENJAMIN	2,949,745	BIOSENSE WEBSTER, INC.	2,762,280
ANTONELLIS, DARCY	2,844,078	BARTHE, CHRISTOPHE VASILJEV	2,790,243	BLACKABY, WESLEY PETER	2,849,111
ANTONYSHYN, OLEH	2,802,119	BARYCKI, RAFAL	2,837,882	BLANCHARD, STEVEN D.	2,829,888
ANUBIS MANUFACTURING CONSULTANTS CORP.	2,821,778	BARZEGAR, FARHAD	2,963,788	BLOUNT, INC.	3,007,986
APELT, JENNY	2,828,131	BATTLES, CHRISTOPHER A.	2,949,745	BLUE, WILLIAM	2,798,194
APPUKUTTAN, BINOY	2,796,601	BATTLOGG, STEFAN	2,942,438	BLUMBERG, DAVID, JR.	2,954,728
AQUAPORIN A/S	2,897,354	BATYUNIN, GENNADY ANDREEVICH	2,896,710	BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM	2,878,373
ARCONIC INC.	2,978,485	BAUSCH HEALTH COMPANIES INC.	2,884,349	BOATENG, WILLIAM BEKOE	3,004,412
ARDEHALI, MASSOUD HOSSEINI	2,831,360	BAVARIAN NORDIC A/S	2,478,009	BOCKLANDT, MICHAEL	2,952,761
ARKEMA INC.	2,829,486	BAYER INTELLECTUAL PROPERTY GMBH	2,854,098		
		BAYLEY, GRAEME S.	2,833,535		

Index of Canadian Patents Issued March 26, 2019

BOKVIST, BENGT KRISTER	2,973,352	CHANG, PING	2,757,872	CUREVAC AG	2,696,768
BOLLSTROM, ROGER	2,947,664	CHANG, YOUNG-BIN	2,841,973	CURIS, INC.	2,772,715
BONAS, CALVIN A.	2,758,953	CHANNEL MEDSYSTEMS, INC.	3,001,320	CURNA, INC.	2,782,373
BONNER, RONALD	2,810,143	CHAPLIN, PAUL	2,478,009	CURNA, INC.	2,786,535
BOOMGARDEN, JON	2,840,392	CHATWOOD, JON	3,020,767	CURNA, INC.	2,799,207
BORDERS, ROGER	2,875,982	CHAUVET, FRANCIS	2,893,871	CURTIS, CHIP	2,882,238
BORNET, AURELIE	2,802,819	CHEE, SEOK WOO	2,951,015	CYTEC TECHNOLOGY CORP.	2,858,549
BOSTON SCIENTIFIC SCIMED, INC.	2,924,824	CHEKAL, BRIAN PATRICK	2,900,322	CYTODYN, INC.	2,616,189
BOTTICELLI, MARK PHILIP	2,958,419	CHEN, BENJAMIN B.	2,829,486	D'AGOSTINO, DINO PAUL	2,973,972
BOURDON, LAURENT	2,869,613	CHEN, JIANLEI	2,860,804	DABROWSKI, NICOLAS	2,878,150
BOUWER, SIETZE	2,792,301	CHEN, SHIHAO	2,959,251	DAHER AEROSPACE	2,832,857
BRADLEY FIXTURES CORPORATION	2,833,535	CHEN, YILONG	2,945,415	DAHL, PER JUUL	2,876,248
BRASKICH, ANTHONY J.	2,951,849	CHENG, MAN	2,749,093	DANIELS, ROLF	2,783,121
BRAUN, RALF	2,854,098	CHEVRON U.S.A. INC.	2,817,622	DAR, AMIT	2,930,077
BREDER, CHRISTOPHER D.	2,782,314	CHICAGO TAG & LABEL, INC.	2,924,945	DATTA, KESHAVA	2,762,280
BRENNEIS, D. CHAD	2,887,637	CHIEN, WEI-JUNG	2,860,804	DAVIDSON, STEVEN ALAN	2,910,899
BRETON, DANNY	2,941,566	CHINI, JACOPO	2,770,274	DAVIS, DEWAYNE	2,798,194
BRINGE, WILLIAM	2,783,435	CHRISTIAN, EARL, JR.	2,798,194	DAVIS, TRISTAN	2,918,551
BRINKMANN, ULRICH	2,757,931	CHRONIK, BLAINE ALEXANDER	2,977,407	DAWSON, JOHN CALEB	2,747,474
BRODEUR, NICHOLAS	2,984,534	CHU NANTES	2,785,909	DE BONT, JOHANNES ADRIANUS MARIA	2,834,053
BROMLEY, PHILIP J.	2,863,544	CHURNOCK, PAUL ANDREW	2,949,839	DE KORT, MARTIN	2,849,111
BROOS, JOHANNES PIETER FRANS	2,831,408	CICCOCIOPPO, ROBERTO	2,871,151	DE SAUVAGE, FREDERIC J.	2,772,715
BROSNAN, KRISTEN HALL	2,950,548	CILIAN AG	2,828,131	DEERE & COMPANY	2,828,341
BROUGHMAN, JAMES MICHAEL	2,747,474	CIPOLLETTI, GIOVANNI	2,770,274	DEGREMONT	2,835,687
BROUWER, JAN-WILLEM	2,830,676	CJ CHEILJEDANG CORPORATION	2,951,015	DEKA PRODUCTS LIMITED PARTNERSHIP	2,954,728
BROWN, STEVEN N.	2,908,840	CLAGETT-DAME, MARGARET	2,837,882	DELANEY, WILLIAM E., IV	2,840,242
BSH HOME APPLIANCES CORPORATION	2,783,435	CLEARMOTION ACQUISITION I LLC	2,908,840	DELAVAL HOLDING AB	2,822,183
BU, FANPING	2,965,289	COFFINDAFFER, TIMOTHY	2,928,919	DELTA FAUCET COMPANY	2,798,194
BUGG, PETER	2,851,122	COLE, MARK S.	2,797,244	DELUCA, HECTOR	2,837,882
BUILDER'S BEST, INC.	2,857,172	COLEMAN, TREVOR	2,973,012	DEMARCO, PAUL	2,836,968
BURGART, PHILLIP A.	2,889,090	COLGATE-PALMOLIVE COMPANY	2,712,470	DEMING, MATTHEW	2,916,186
BURKE, JULIE	2,712,470	COLLAR, BRADLEY THOMAS	2,844,078	DEMOPULOS, GREGORY A.	2,871,151
BURSEY, EVAN H.	2,749,093	COLLARD, JOSEPH	2,782,373	DENTON, ROBERT D.	2,870,842
BUTENKO, RICHARD BRUCE	2,787,171	COLLARD, JOSEPH	2,786,535	DENTSPLY INTERNATIONAL INC.	2,926,512
BUXBAUM, MARK	2,750,279	COLLARD, JOSEPH	2,799,207	DEOLALIKAR, NEELESH	2,931,099
CAGET, OLIVIER	2,776,303	COLLI, CORRADO	2,811,367	DEPUYDT, JOSEPH A.	2,928,919
CALIFORNIA INSTITUTE OF TECHNOLOGY	2,824,518	COMBS, GEORGE	2,812,757	DER, SHERMAN	2,918,551
CARDIAC INNOVATION, LLC	2,878,373	CONGDON, THOMAS MARSHALL	2,851,417	DEREUSE, CHRIS	2,813,619
CARLISLE FLUID TECHNOLOGIES, INC.	2,898,179	CONSEILLER, EMMANUEL	2,796,294	DESAI, DARSHAK	2,843,626
CARRALERO, MICHAEL A.	2,809,142	COOLEY, ROBERT CHARLES	2,925,459	DESCHAMPS, GERALD	2,765,210
CARTON, ERIK PETER	2,831,408	COSKUN, TAMER	2,973,352	DESJARDINS, ANNICK	2,892,183
CARUSO, MICHELE	2,818,713	COSTA, JOSEPH S.	2,829,486	DESSOURCES, TONY	2,821,384
CASCALLO PIQUERAS, MANEL MARIA	2,761,183	COTARCA, LIVIUS	2,811,367	DESTECH CORPORATION	3,020,767
CASEBIER, DAVID S.	2,967,254	COTE, RIC	3,001,320	DETROIS, CHRISTIAN	2,878,150
CASHMAN, DANIEL J.	2,761,396	COULTHARD, RICHARD	2,834,702	DEUTSCHER, EDWARD MARTIN	2,933,000
CATALINA MARKETING CORPORATION	2,412,936	COULTHARD, RICHARD DANIEL JOHN	2,789,697	DEVINE, TREVOR N.	2,943,757
CATERPILLAR INC.	2,851,417	COULTHARD, RICHARD DANIEL JOHN	2,805,049	DEWALD, PAUL	2,929,680
CATTACIN, GILLES	2,851,043	COVESTRO LLC	2,812,757	DH TECHNOLOGIES DEVELOPMENT PTE. LTD.	2,810,143
CELGENE CAR LLC	2,986,640	CRAVATTE, PHILIPPE LOUIS	2,952,761	DICKENS, CARROLL BENFORD	2,898,802
CENTICARE CORPORATION	2,932,595	CRAWFORD, JAMIESON W.	2,949,745	DIEDERICHS, JOST	2,841,818
CERVENY, JEAN-PAUL	2,878,150	CROASDALE, REBECCA	2,757,931	DIEFENBACH, STEVEN P.	2,828,936
CHABRIER, CHRISTIAN	2,869,613	CROSBY, KEVIN	2,767,649	DIEFENTHAL, EDWARD L.	2,932,853
CHAMBERLAIN, ADAM LEE	2,785,974	CROWN PACKAGING TECHNOLOGY, INC.	2,871,691	DIETRICH, HANSJORG	2,854,098
CHAN, PAUL MON-WAH	2,973,972	CUMMINS, ROBERT CHADWICK	2,973,352	DIJKGRAAF, GERRIT J.P.	2,772,715
CHANG, KIN HUNG JEFFREY	2,736,843			DILLARD, WALTER S.	2,961,388
				DIONNE, JASON	2,900,277

**Index des brevets canadiens délivrés
26 mars 2019**

DIRTT ENVIRONMENTAL SOLUTIONS, LTD.	2,817,279	ERICKSON, LINDA J.	2,832,280	FUNDACIO INSTITUT D'INVESTIGACIO BIOMEDICA DE BELLVITGE	2,761,183
DISTECH CONTROLS INC.	2,941,566	ERICKSON, THOMAS E.	2,870,895	FURUKAWA, HIROYUKI	2,962,912
DIVONE, PETER ANTHONY	2,839,050	ESCHMANN, FRIEDRICH	2,851,749	GAITANARIS, GEORGE A.	2,871,151
DMITRI, MODEL	2,618,940	ESSITY OPERATIONS FRANCE	2,851,043	GAJJI, BHARGAV	2,941,938
DOHMEIER, NICHOLAS	2,784,669	ETESSE, PATRICK JEAN-FRANCOIS	2,936,832	GAJRIA, AJAY	2,833,880
DORMISH, JEFFREY F.	2,812,757	EVANS, CHRISTOPHER A.	2,800,917	GANE, PATRICK A. C.	2,947,664
DOW SILICONES CORPORATION	2,849,266	EVANS, KENNETH MICHAEL	2,886,796	GAO, RENLONG	2,944,749
DREASHER, REBECCA W.	2,889,090	EVANS, WILLIAM J.	2,797,244	GARDINER, MICHAEL	2,910,606
DRIVSTUEN, ROD	2,919,912	EVONIK DEGUSSA GMBH	2,950,496	GARDNER, SCOTT R.	2,798,194
DSM IP ASSETS B.V.	2,834,053	EXXONMOBIL RESEARCH AND ENGINEERING COMPANY	2,871,457	GARTEN, ARIEL STEPHANIE	2,973,012
DU, XUEDONG	2,879,399	EXXONMOBIL UPSTREAM RESEARCH COMPANY	2,870,842	GARVEY, CHAD E.	2,816,880
DUKE UNIVERSITY	2,892,183	EYAL, AMI	2,818,577	GASPARRI, MASSIMILIANO	2,844,078
DURAIRAJAN, BALA	2,923,870	FALCONE, JAMES S.	2,871,595	GATES CORPORATION	2,926,292
DUTRA, BRIAN	2,900,277	FALLER, KENNETH M.	2,690,170	GATES CORPORATION	2,992,308
DYE, ANNA	2,796,601	FANG, NING	2,950,248	GATZWEILER, ELMAR	2,854,098
DYKOWSKI, RICHARD G.	2,833,535	FANG, XIAOMEI	2,777,996	GAUTIER, SANDRINE	2,802,819
DYKSTRA, JASON D.	2,965,289	FAURE, PASCAL	2,869,613	GE AVIATION SYSTEMS LLC	2,957,489
EASTHAM, GRAHAM RONALD	2,825,258	FENG, XIANSHE	2,865,275	GE AVIO S.R.L.	2,952,153
EATON INTELLIGENT POWER LIMITED	2,788,790	FERNANDO, JOSEPH A.	2,816,880	GEARHART, KOREY	2,774,780
EATON INTELLIGENT POWER LIMITED	2,792,103	FERROTEC (USA) CORPORATION	2,757,872	GENENTECH, INC.	2,772,715
EATON INTELLIGENT POWER LIMITED	2,824,539	FEUSTEL, AARON	2,879,418	GENERAL DYNAMICS EUROPEAN LAND SYSTEMS-MOWAG GMBH	2,942,438
EBNER, JOHANN	2,965,108	FIBER DYNAMICS, INC.	2,882,091	GENERAL ELECTRIC COMPANY	2,950,248
ECKENSWILLER, EDGAR GRANT	2,809,699	FIDIA S.P.A.	2,924,732	GENERAL ELECTRIC COMPANY	2,950,548
ECKHARD, KATHRIN	3,000,882	FIELD, JOHN P.	2,882,091	GENERAL ELECTRIC COMPANY	2,950,550
ECKHARD, KATHRIN	3,000,886	FINNERTY, CAINE M.	2,929,680	GENERAL ELECTRIC COMPANY	2,951,431
ECKHARDT, ROLF	2,745,236	FINNFOAM OY	2,868,224	GENERAL ELECTRIC COMPANY	2,954,914
ECO TOO, LLC	2,802,095	FISHER, LUKE WILLIAM	2,990,479	GENOMIC VISION	2,796,294
EDGEWELL PERSONAL CARE CANADA, ULC	2,939,438	FISHER, RICHARD ALAN	2,790,363	GEOMAR HELMHOLTZ-ZENTRUM FUR OZEANFORSCHUNG KIEL	2,970,918
EDWARDS LIFESCIENCES CORPORATION	2,840,392	FISKARS FINLAND OY AB	2,957,815	GEORGE, GERALD G.	2,961,388
EDWARDS, CHRIS GARRY	2,809,699	FISKER, RUNE	2,790,243	GEORGESON, GARY E.	2,829,888
EDWARDS, ERIC SHAWN	2,926,365	FITZPATRICK, PAUL A.	2,687,450	GEORGIA STATE UNIVERSITY RESEARCH FOUNDATION, INC.	2,671,431
EDWARDS, EVAN THOMAS	2,926,365	FLODESIGN SONICS, INC.	2,900,277	GERBER, THOMAS	2,933,709
EDWARDS, GLENN	2,802,119	FLSMIDTH A/S	2,910,606	GERBRANDA, TJEERD JAN PIETER	2,803,053
EDWARDS, JOHN L.	2,787,625	FOLLOWS, CHRIS	2,767,649	GERLACH, TODD	3,007,986
EIGEN, NICO	3,000,882	FONSECA, BENEDITO J., JR.	2,951,849	GERSTEIN, STEVEN P.	2,943,757
EIGEN, NICO	3,000,886	FONTAINE, LIONEL	2,994,454	GERSTENMEYER, STEFAN	2,936,819
ELECTRIC POWER RESEARCH INSTITUTE, INC.	2,760,170	FORDING, JAY	2,943,757	GERSZBERG, IRWIN	2,963,788
ELI LILLY AND COMPANY	2,973,352	FOUAD-FAHMI, THARWAT	2,821,778	GERVAIS, FRANCOIS	2,941,566
ELKELES, ADI	2,818,577	FOURNEAU-PELLETIER, ROMAIN	2,994,454	GESCHKE, OLIVER	2,897,354
ELKU, JOSEPH	2,764,918	FPS FOOD PROCESS SOLUTIONS CORPORATION	2,736,843	GIACOMELLI, SILVIA	2,770,274
ELLIS, APRIL L.	2,671,431	FRANCHINI, MARCO	2,478,009	GIBSON, LLOYD DEAN	2,824,539
ELSBREE, JOHN	2,800,917	FRANCOIS, GILLES	2,813,619	GILBERT, BENOIT	2,803,035
EMEOTT, STEPHEN P.	2,951,849	FRANK, MARTIN	2,965,863	GILEAD PHARMASSET LLC	2,840,242
ENDO, KOJI	2,824,518	FRANKLIN, CURTIS J.	2,990,479	GILEAD SCIENCES, INC.	2,934,454
ENGELMAN, E. ERIC	2,735,519	FRANKS, MICHAEL JOHN	2,951,431	GILLIGAN, THOMAS BOYD	2,886,796
ENRAF-NONIUS B.V.	2,828,900	FRANKS, WILLIAM P.	2,965,667	GILLOOLY, ALAN DONALD	2,949,839
ENTHOVEN, MARK	2,849,111	FRATTINI, PAUL L.	2,760,170	GODEL, FRANCK	2,828,704
EPHRATH, YARON	2,618,940	FREEMAN, TED JOSEPH	2,785,974	GOLDE, PETER	2,852,096
EPIC OIL EXTRACTORS, LLC	2,932,853	FRENKEN, EGBERT	2,843,914		
EQUALAIRE SYSTEMS, INC.	2,835,288	FRENKEN, EGBERT	2,845,494		
ERB, ROBERT	2,965,321	FRIEDMAN, HENRY S.	2,892,183		
ERICKSON, JAMES J.	2,870,895	FRY, KEVIN D.	2,943,757		
ERICKSON, KJELL DAVID	2,958,419	FU, RONGDIAN	2,749,093		
		FUJIWARA, YOSHIYASU	2,616,452		
		FUKUCHI, HIROSHI	3,001,297		

**Index of Canadian Patents Issued
March 26, 2019**

GOLL, DIANE	2,821,504	HAMPTON PRODUCTS		HO, KAM PIU	3,009,357
GONG, XIAO-SONG	2,749,093	INTERNATIONAL		HOCHSTETLER, WILLIAM	
GONZALEZ, EDUARDO	2,943,757	CORPORATION	2,959,251	SHANE	2,798,194
GONZALEZ-MARIN, CLARA	2,886,796	HAN, JEFFERSON Y.	2,809,116	HOEGANAES AB (PUBL)	2,823,473
GOOGLE LLC	2,879,309	HANDLER, WILLIAM		HOELSAETER, GEIR	2,823,552
GORI, SANDRA	2,797,098	BRADFIELD	2,977,407	HOERR, INGMAR	2,696,768
GOSLING, GEOFF	2,817,279	HANNA, CHARLIE	2,783,435	HOEY, MICHAEL	2,791,494
GOULET, DANY	2,788,609	HANNIBAL INDUSTRIES, INC.	2,859,651	HOFFMANN, EIKE	2,757,931
GOVARI, ASSAF	2,618,940	HANSON, IAN B.	2,810,328	HOGDAHL, STEFAN	2,927,008
GOVARI, ASSAF	2,723,041	HARDING, DAMIEN	2,816,080	HOHER, PETER ADAM	2,970,918
GOY, DIDIER	2,869,613	HARICHIAN, BIJAN	2,839,050	HOLDER, ANGELA	2,671,431
GRAICHEN, FLORIAN HANS		HARPER, GREGORY		HOLLAND, MAARTEN	2,827,620
MAXIMILLIAN	2,949,337	RICHARD	2,973,972	HOLM, MARTIN	
GRANES, DANIELS	2,802,819	HARRIS, CHAD TYLER	2,977,407	SPANGSBERG	2,901,823
GRAY, LARRY B.	2,954,728	HARTMAN, JOHANNES		HOLT, RONALD	2,690,170
GRAY, MICHAEL A.	2,860,487	BASTIAAN	2,828,900	HONDA MOTOR CO., LTD.	2,968,843
GREENE REV LLC	2,923,654	HARTMANN, MARCUS	2,828,131	HONEYWELL ASCA INC.	2,784,669
GREENFIELD, EDWARD A.	2,774,032	HARVEY, JOHN	2,992,308	HONJI, MASATOSHI	2,872,481
GREGORIS, DENNIS	2,860,487	HASKINGS, PHIL	2,929,953	HORN, DANIEL, J.	2,924,824
GRIFOLS, S.A.	2,821,384	HASZ, WAYNE CHARLES	2,950,548	HORTON, RODNEY P.	2,878,373
GRIMM, ANN K.	2,889,090	HAUSER-HAHN, ISOLDE	2,854,098	HOSOI, JUN	2,988,555
GROISMAN, BELLA	2,914,980	HAUSNER, HELMUT	2,950,496	HOTTER, ANDREAS	2,835,332
GROMEIER, MATTHIAS	2,892,183	HAY, RICHARD THOMAS	2,931,099	HOWELL, GARETH	2,918,551
GROTE, EDWIN MICHAEL	2,984,354	HAYASHI, KENTARO	2,967,235	HU, YUHONG	2,843,626
GROTH, JESPER S	2,897,354	HAYASHI, TETSUYA	2,986,883	HUANG, YUN	2,671,431
GROUBERT, BRIAN DAVID	2,782,109	HAYASHI, YOKO	2,820,151	HUDDLE, THOMAS ANDREW	2,825,258
GRST INTERNATIONAL		HAYASHI, YOKO	2,821,888	HUFFER, SCOTT W.	2,881,681
LIMITED	3,009,357	HAYLOCK, LUKE	2,978,485	HUGHES, STEPHEN	2,922,611
GRUBBS, ROBERT HOWARD	2,824,518	HE, KAIYUAN	2,871,457	HUGON, MICHAEL	2,832,857
GRUBER, MARKUS	2,849,041	HEATH, BENJAMIN P.	2,928,919	HUI, DENNIS	2,968,202
GUDMUNDSSON, MATS	2,822,183	HECHT, THOMAS R.	2,743,386	HUISKAMP, WILLIAM JOHN	
GUEDAN CARRIO, SONIA	2,761,183	HEDGER, DANIEL	2,924,945	CALVIN	2,836,968
GUEIT, NICOLAS MARIE		HEERY, PATRICK T.	2,882,091	HUNT, JENNIFER A.	2,821,384
PIERRE	2,828,704	HEFTI, HANS PETER	2,478,009	HUNTER DOUGLAS INC.	2,690,170
GUILLEY, FABIEN	2,813,619	HEILHECKER, SYLVIA	2,851,749	HUSS, MICHAEL E.	2,882,091
GUSSGEN, OLAF	3,000,882	HEIN, TRAVIS LEE	2,908,840	HUSSMANN CORPORATION	2,816,868
GUSSGEN, OLAF	3,000,886	HEINEMANN, INES	2,854,098	HUTSON, JOHN MEDWYN	2,771,070
GUSTAV KLAUKE GMBH	2,843,914	HEMPING, KELLY	2,774,780	HYDRO ALUMINIUM ROLLED	
GUSTAV KLAUKE GMBH	2,845,494	HENDERSON, KRISTOFER	2,861,219	PRODUCTS GMBH	3,000,882
HAFENRICHTER, JOSEPH L.	2,829,888	HENDERSON, WILLIAM		HYDRO ALUMINIUM ROLLED	
HAGE, MOHAMED	2,936,618	DAVID	2,963,077	PRODUCTS GMBH	3,000,886
HAIGH, JAMES H.	2,932,595	HENG, LYNN	2,807,393	HYTORC DIV. UNEX	
HALDOR TOPSOE A/S	2,876,248	HENKEL AG & CO. KGAA	2,830,676	CORPORATION	2,758,953
HALDOR TOPSOE A/S	2,901,823	HENKEL IP & HOLDING		ICM, INC.	2,882,246
HALL, DERRARD	2,944,394	GMBH	2,843,626	IDE, NATHAN D.	2,900,322
HALLIBURTON ENERGY		HENNIG, KEVIN	2,835,288	IDELEVICH, PAVEL	2,818,577
SERVICES, INC.	2,887,637	HENRIKSEN, ARNE	2,887,947	IGT	2,783,272
HALLIBURTON ENERGY		HENRY, MARK WARREN	2,910,899	IHI CORPORATION	2,955,911
SERVICES, INC.	2,931,099	HENRY, PAUL SHALA	2,963,788	IHI CORPORATION	2,962,912
HALLIBURTON ENERGY		HERBERT, MYLES BENTON	2,824,518	IHI CORPORATION	2,988,555
SERVICES, INC.	2,941,938	HERBST, MICHAEL LEE	2,788,790	ILLINOIS TOOL WORKS INC.	2,951,545
HALLIBURTON ENERGY		HERCULES LLC	2,926,940	ILLINOIS TOOL WORKS INC.	2,952,492
SERVICES, INC.	2,948,780	HERELIER, PATRICK	2,951,545	ILLINOIS TOOL WORKS INC.	2,961,260
HALLIBURTON ENERGY		HERMENS, WILHELMUS		IMM, JULIAN ANDREW	2,860,637
SERVICES, INC.	2,962,393	THEODORUS JOHANNES		IMPERIUS LIMITED	2,860,637
HALLIBURTON ENERGY		MARIA CHRISTIAAN	2,694,406	IMTEX MEMBRANES CORP.	2,865,275
SERVICES, INC.	2,963,077	HERNANDEZ, DIDIER		INGURAN, LLC	2,886,796
HALLIBURTON ENERGY		HIPPOLYTE	2,835,361	INNOVATIVE	
SERVICES, INC.	2,965,289	HERTZ, DIRK	2,817,981	CARDIOVASCULAR	
HALPIN, MARK E.	2,916,186	HIDE-A-HOSE INC.	2,919,912	SOLUTIONS, LLC	2,823,198
HAMAGUCHI, MAKI	2,920,605	HIGGINS, PETER	2,787,739	INSTITUT CATALA	
HAMILTON, CAROLINE	2,922,611	HINCHLIFFE, PAUL STUART	2,849,111	D'ONCOLOGIA	2,761,183
HAMMACHER, HEINZ-PETER	2,870,459	HIRES, GREGORY R.	2,949,745		
		HIROSE, SATOSHI	3,001,297		

Index des brevets canadiens délivrés

26 mars 2019

INTER-UNIVERSITY RESEARCH INSTITUTE CORPORATION	2,820,151	KANETSKY, KATHLEEN L.	2,808,229	KROKOS, TIMOTHY RYAN	2,809,699
RESEARCH ORGANIZATION OF INFORMATION AND SYSTEMS	2,973,012	KAO CORPORATION	3,001,810	KROPF, KEVIN	2,816,080
INTERAXON INC.	2,973,012	KAO CORPORATION	3,001,821	KRUMMENACHER, TODD J.	2,990,479
INTERNATIONAL THERMAL INVESTMENTS LTD.	2,723,496	KARCZEWICZ, MARTA	2,860,804	KRUMRINE, PAUL H.	2,871,595
ISHIMORI, YUICHI	3,001,297	KARPIK, GERARD	2,926,292	KRZYZEWSKI, KENNETH CASIMIR	2,787,171
ISHTIAQ, FAISAL	2,951,849	KARREMAN, MARCO	2,803,053	KSB SE & CO. KGAA	2,917,370
ISRAEL, ROBERT J.	2,616,189	KASPER, MICHAEL	2,816,404	KUBO, MASAHIRO	3,024,539
ITO, MOTOAKI	3,001,821	KASSAI, MASAHARU	2,978,532	KUEHN, JEFFREY P.	2,921,350
ITO, NOBUAKI	2,811,080	KAUFMANN, GARRY C.	2,900,838	KUGLER, WILLIAM E.	2,946,496
ITO, YASUHIRO	3,024,539	KAWAKAMI, KOICHI	2,820,151	KULKARNI, VIJAY	2,961,445
J.R. SETINA MANUFACTURING CO., INC.	2,790,363	KCI LICENSING, INC.	2,789,697	KUMADA, MITSUNORI	3,001,097
JACKSON, RANDAL SCOTT	2,948,780	KCI LICENSING, INC.	2,834,702	KUMAR, SATHEES	2,766,768
JAEGER, RICO	2,805,049	KEITZ, BENJAMIN KEITH	2,824,518	KUNAPULI, RAGHUJIT	2,857,655
JAMES HARDIE TECHNOLOGY LIMITED	2,830,525	KELLER, KATHRIN	2,745,236	KURARAY CO. LTD.	2,804,756
JAMES RICHARD SPEARS MD PLLC	2,802,095	KEMP, MATTHEW L.	2,798,194	KUROKAWA, MEGUMI	2,820,151
JANKOVIC, IVAN	2,840,392	KENNEDY, THOMAS, III	2,900,277	KUROKAWA, MEGUMI	2,821,888
JANSSEN, HARTMUT	3,000,882	KERWIN, JOHN M.	2,954,728	KUOSAKI, KAZUHIRO	2,804,756
JANSSEN, HARTMUT	3,000,886	KESHAVAN, MADAPUSI K.	2,923,870	KUSSEN, KENNETH KARL	2,809,699
JANUARIO, THOMAS	2,772,715	KHIEU, AARON	2,924,824	KWASNITSCHKA, TOM	2,970,918
JAYAPALAN, VIJAY	2,814,634	KHORKOVA SHERMAN, OLGA	2,782,373	KYOWA HAKKO KIRIN CO., LTD.	2,820,151
JEFFERY, JUSTINE LEIGH	2,949,337	KHORKOVA SHERMAN, OLGA	2,786,535	KYOWA HAKKO KIRIN CO., LTD.	2,821,888
JENKINS, GEORGE OLIVER	2,914,802	KHORKOVA SHERMAN, OLGA	2,799,207	KYTE, KENNETH E.	2,928,919
JENSEN, SCOTT	2,800,917	KIANI, ALI	2,992,182	LABRUZZO, CARLA	2,806,519
JETHWA, RAKESH THOMAS	2,973,972	KIANI, ALI AK	2,990,653	LACHANCE, DANY	2,803,035
JETTER, MARKUS	2,936,819	KIAROSTAMI, NADER	2,723,496	LACOUT, JEAN-MICHEL	2,807,393
JFE STEEL CORPORATION	2,885,201	KIM, IN BAE	2,951,015	LAFONTAINE, DANIEL R.	2,822,498
JIANG, XUWEI	2,928,011	KIM, SUNG HUN	2,951,015	LAGMAN, CURTIS NOLAN	2,747,474
JIANMIN, REN	2,882,246	KIRBERGER, MICHAEL	2,671,431	LAHOOD, JAMES ROBERT	2,851,417
JIN, XIAOMING	2,926,512	KIRBY, ANDREW L.	2,859,651	LAI, GEORGE Y.	2,781,851
JOHANSEN, BJARNE	2,862,107	KITOZYME	2,802,819	LAI, JUSTIN SUM MING	2,736,843
JOHNSON & JOHNSON SURGICAL VISION, INC.	2,797,244	KJAEGAARD, LARS	2,791,064	LAINÉ, EMMANUEL	2,878,150
JOHNSON, DAVID WILLIAM	2,825,258	KLASSEN, JAMES BRENT	2,766,455	LALLEMAND, MAUD ISABELLE	2,807,393
JOHNSON, JEFFRY	2,924,824	KLAUBERT, DIETER H.	2,815,227	LAMART CORPORATION	2,816,880
JOINT INNOVATION TECHNOLOGY, LLC	2,924,694	KLEIN, CHRISTIAN	2,757,931	LAMMERS, FREDERIK ALBERT	2,859,515
JORDAN, RICHARD D.	2,932,853	KLUGE, ARTHUR F.	2,986,640	LANDER, THOMAS	2,696,768
JOSHI, RAJAN LAXMAN	2,860,804	KNIGHT, STEPHEN J., III	2,946,496	LANDRY, ALAIN	2,788,948
JUNG, GENE	2,816,880	KNORR-BREMSE SYSTEME FUR NUTZFAHRZEUGE GMBH	2,849,041	LANTHEUS MEDICAL IMAGING, INC.	2,967,254
JUNKERS, JOHN K.	2,758,953	KNOX, LAWRENCE D.	2,908,840	LAOR, RAVIV	2,412,936
JUPITER, JESSE B.	2,866,514	KNUDSON, RICHARD T.	2,668,354	LAPINSKY, MICHAEL	2,861,219
JVL ENGINEERING PTE LTD	2,982,954	KOBAYASHI, SHINICHI	2,788,545	LAREDO, WALTER	2,928,011
JØERGENSEN, CLAUS	2,791,064	KOHL, SCOTT DENNIS	2,882,246	LARSEN, TROND	2,862,107
KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)	2,920,605	KOHLI, DALIP KUMAR	2,858,549	LARSON, SETH	2,976,610
KAGAN, MIKHAIL	2,967,254	KOHLWEY, KEVIN M.	2,833,535	LAWLESS, DARREN F.	2,865,275
KAHN, LOUIS M.	2,800,917	KOIVUNEN, MARJA	2,769,506	LAZEWATSKY, JOEL	2,967,254
KAHN, MATTHEW AARON	2,910,899	KOJIMA, KATSUMI	2,885,201	LE BORGNE, NATHALIE FRANCOISE	2,807,393
KAISER, HARALD	2,950,496	KONINKLIJKE PHILIPS N.V.	2,766,311	LE GARREC, DOROTHEE	2,797,098
KAKKIS, EMIL D.	2,687,450	KOPP, JOHN	2,863,583	LE QUESNE, FRANCOIS	2,835,687
KALEO, INC.	2,926,365	KOPPENHOFER, PETER	2,758,953	LEARJET INC.	2,788,948
KAMAL, MANISH	2,978,485	KORKUCH, CHRIS	2,921,350	LEE TECH, LLC	2,882,246
KAMEN, DEAN	2,954,728	KOTTAKAPU, SUDHA	2,851,417	LEE, CHIE YING	2,882,246
		KOVEAL, RUSSELL J., JR.	2,870,842	LEE, JOHN JONG-SUK	2,973,972
		KOW, HSIAO-YU S.	2,810,328	LEE, SEUNG HEON	2,951,015
		KOWALSKI, STANLEY, III	2,900,277	LEFENFELD, MICHAEL	2,871,595
		KRANOS IP CORPORATION	2,965,321	LEGEMAH, MAGNUS	2,940,517
		KRISTENSEN, KASPER KABELL	2,790,243	LEHR, STEFAN	2,854,098
		KROCHAK, DARRYL D.	2,737,874	LEHTONEN, DONNA L.E.	2,921,341
		KROCHAK, JENNIFER L.	2,737,874		

Index of Canadian Patents Issued March 26, 2019

LEICA GEOSYSTEMS		MANG, MARK E.	2,852,400	MICROSOFT TECHNOLOGY	
TECHNOLOGY A/S	2,791,064	MANGUM, JEFF	2,750,308	LICENSING, LLC	2,800,917
LEICA GEOSYSTEMS		MANITOU BF	2,776,303	MICROSOFT TECHNOLOGY	
TECHNOLOGY A/S	2,794,591	MANONI, MARCO	2,770,274	LICENSING, LLC	2,809,116
LENNOX INDUSTRIES INC.	2,750,308	MANTELL, ROBERT	2,882,238	MICROSOFT TECHNOLOGY	
LENZ, RICHARD	2,886,796	MAQUET, VERONIQUE	2,802,819	LICENSING, LLC	2,918,551
LEONHARD KURZ STIFTUNG		MARAGNI, PAOLO	2,811,367	MIDDLEBY MARSHALL	
& CO. KG	2,803,104	MARCELL, KEVIN F.	2,852,400	HOLDING LLC D/B/A	
LESSARD, DAVID	2,797,098	MARICI, PAUL PAIA	2,946,562	NUVU FOOD SERVICE	
LI, BINGTAO	2,781,851	MARIETTA-TONDIN, JULIEN	2,851,043	SYSTEMS	2,916,186
LI, LEIMING	2,940,517	MARKOSYAN, AVETIK	2,780,561	MIER, DAVID SAM	2,787,171
LI, LOK MING	2,849,266	MARRONE BIO		MIESLINGER, STEFAN	2,803,104
LI, QING	2,970,702	INNOVATIONS, INC.	2,769,506	MILLENNIUM	
LI, RENXIANG	2,951,849	MARRONE, PAMELA G.	2,769,506	PHARMACEUTICALS,	
LIBRIZZI, JOSEPH J.	2,735,519	MARSHALL, RICHARD	2,900,471	INC.	2,774,032
LICATA, MARK J.	2,926,365	MARTIN, ARTHUR	2,900,277	MILLER, BRANDON WAYNE	2,950,248
LIEBSCHER, ANDREAS	2,978,485	MARTINDALE, RICHARD A.	2,743,386	MILLER, CHARLES	2,821,384
LIN, WENDY WENLING	2,950,550	MASI, LOUIS	2,900,277	MILLER, KENNETH B.	2,816,880
LINDSKOV, ANDERS	2,794,591	MASON, CORY C.	2,787,171	MILLIEZ, ANNE JANET	2,872,481
LINK, JOHN O.	2,840,242	MASON, JOHN	2,764,138	MINKE, JULES	2,791,787
LIYOU, LARA	2,950,550	MASTIO, MICHAEL J.	2,865,897	MINWALLA, NOSHERWAN	2,800,917
LIPKENS, BART	2,900,277	MATHISEN, REMI	2,862,107	MIRONOV, OLEG	2,863,148
LISK, MIKE	2,859,654	MATSON, LLOYD WALTER	2,958,419	MISHRA, DEVESH	2,738,810
LIU, GUOHUA	2,959,251	MATSUMOTO, JUNICHI	2,968,843	MITCHELL, IAN DAVID	
LIU, HAIMING	2,829,486	MATSUO, NAOSHIGE	2,967,235	CAMPBELL	2,962,393
LIU, WENYAN	2,945,415	MATSUOKA, YOSHIMICHI	2,879,309	MITCHELL, TIMOTHY M.	2,787,171
LIU, YIHAN	2,849,266	MATTOCKS, JOSHUA P.	2,792,103	MITEL NETWORKS	
LIU, ZONGYI	2,738,810	MAXAR TECHNOLOGIES		CORPORATION	2,856,003
LOCKE, CHRISTOPHER B.	2,834,702	LTD.	2,860,487	MITSUBISHI TANABE	
LOCKE, CHRISTOPHER		MAZDIYASNI, HORMOZ	2,986,640	PHARMA CORPORATION	2,950,072
BRIAN	2,789,697	MCCAFFERTY, SEAN J.	2,957,658	MITY-LITE, INC.	2,957,788
LOESCH		MCCAULEY, JOHN J.	2,919,923	MIYASHIRO, MASAHIKO	2,950,072
VERPACKUNGSTECHNIK		MCCLEAVE, THOMAS T.	2,829,888	MOESSNER, EKKEHARD	2,757,931
GMBH	2,870,459	MCCORMICK, KEITH	2,784,669	MOOG INC.	2,863,583
LOGGAN, AARON	2,980,180	MCDERMOTT, MICHAEL	2,943,757	MOON, TAE GYUN	2,973,972
LOONG, MENG	2,982,954	MCFARLAND, TREVOR	2,796,601	MOORE, JAMES H.	2,889,090
LOUPIS, NIKOLAOS	2,884,349	MCGIRR, LAURA JANE	2,871,691	MORALES-TIRADO, JUAN A.	2,852,400
LOWE'S COMPANIES, INC.	2,747,474	MCGREGOR, JEAN TUCK	2,747,474	MORAN, CHRISTOPHER R.	2,948,780
LOWE'S COMPANIES, INC.	2,943,757	MCNEIL-PPC, INC.	2,735,519	MOREAU, ANDRE W.	2,877,912
LOWE, EDWARD S., JR.	2,861,219	MEDICAL TECHNOLOGIES CZ	2,853,291	MOREAU, DARRELL A.	2,877,912
LOWRY, KARL	2,787,625	MEDICOCENSUS GMBH	2,813,971	MORFINO, GIUSEPPE	2,924,732
LUCITE INTERNATIONAL UK		MEDOFF, ROBERT	2,866,514	MORGAN, RONNIE G.	2,887,637
LIMITED	2,825,258	MEDTRONIC MINIMED, INC.	2,810,328	MORI, YUUJI	2,962,912
LUFA FARMS, INC.	2,936,618	MEFTAH, TEWFIK	2,893,871	MORIOKA, NORIKO	2,955,911
LUO, JIA	2,798,272	MEGIDDO, ERAN	2,918,551	MOROKUMA, KENJI	2,950,072
LUO, LUBIN	2,828,936	MEI, EDMUND	2,956,534	MORRELL, CHRISTOPHER	
LUPI, VITTORIA	2,818,713	MEIER, KYLE B.	2,894,525	LEE	2,948,780
LUPKE, ERIK	2,878,150	MEISENHEIMER, PONCHO	2,815,227	MOULSLEY, TIMOTHY JAMES	2,766,311
MA, KONG	2,906,400	MELLONI, ALFONSO	2,811,367	MRA SYSTEMS, LLC	2,777,996
MACINTYRE, DANIEL	2,852,096	MELOTTO, ELISA	2,811,367	MSA EUROPE GMBH	2,745,236
MACK, MARTIN	2,849,041	MENGLE, ADVAY V.	2,800,917	MUELLER, THOMAS PATRICK	2,830,525
MACKENZIE, SAMUEL		MERCADO, ARI	2,900,277	MULAZIMOGLU, HASIM	2,978,485
THOMAS	2,973,012	MERCK SHARP & DOHME		MULLER, EDWIN JEROEN	2,803,053
MACKAY, DEAN EDWARD	2,925,459	B.V.	2,849,111	MULLER, ENRICO	2,917,370
MADDON, PAUL J.	2,616,189	MERCURY PLASTICS LLC	2,798,194	MUNZER, JOHANNES	2,851,749
MADIREDDI, SESHA	2,816,868	MERHI, WILLIAM M.	2,823,198	MURA, JULIA	2,933,709
MADIREDDI, SESHA	2,857,655	MERIAL, INC.	2,791,787	MURDOCH CHILDRENS	
MAHESHWARI, MAHENDRA	2,777,996	MESTEK, INC.	2,947,862	RESEARCH INSTITUTE	2,771,070
MAHIET, CHARLOTTE	2,796,294	MEYERS, PAUL F.	2,926,365	MURGA, JOSE D.	2,616,189
MAINPRIZE, JAMES	2,802,119	MICHIELETTO, IVAN	2,811,367	MURPHY, CYNTHIA	
MALECKI, WILLIAM	3,001,320	MICHLBAUER, FRANZ	2,950,496	MCCOLLAR	2,712,470
MALYKH, NATALIYA		MICKELSON, SUZANNE		MURPHY, JAMES EDWARD	2,950,548
YURIEVNA	2,896,710	MICHELLE	2,984,354	MUSGRAVE, TIM	2,835,288
MANDRO, MARC A.	2,954,728			MYALL, PATRICK A.	2,797,244

**Index des brevets canadiens délivrés
26 mars 2019**

MYSLOWICKI, STEFAN	2,933,709	O'FLYNN, PAUL	2,924,824	PEERLESS CHAIN COMPANY	2,919,923
NAFT, STUART	2,939,438	O'KEEFE, THERESA	2,774,032	PELARD, ALEXANDRE	2,832,857
NAKAMARU, HIROKI	2,885,201	O'NEILL, ROSS	2,922,611	PELLMAN, DAVID C.	2,782,252
NAKAYA, MASAKAZU	2,804,756	O'SHEA, MICHAEL SHANE	2,949,337	PENET, SYLVIE	2,807,393
NAKAZAWA, YOSHIKI	3,024,539	OBER, MICHAEL HENRY	2,808,229	PENG, JOE ZHOU	2,830,525
NAM, SAMUEL S.	2,774,032	OBERBAUER, GUNTHER	2,950,496	PENHALE, DOUGLAS	2,764,918
NAPOLITANO, GUILLERMO E.	2,832,280	OBERHOFF, DALE WADE, SR.	2,948,780	PENNANDER, LARS-OLOV	2,823,473
NARASIMHAN, SAROJA	2,735,519	ODA, KAZUNORI	2,616,452	PEREGO, GABRIELE	2,859,433
NASATO, ELMO	2,949,146	OGAWA, RISA	2,820,151	PETERSON, N. PHIL	2,894,525
NATHAN, ROGER	2,930,077	OHNO, LES M.	2,723,496	PETSCHNIGG, JULIA	2,914,980
NATILI, THOMAS E.	2,792,103	OKANO, FUMIYOSHI	2,788,545	PETTER, RUSSELL C.	2,986,640
NATIONAL UNIVERSITY		OLDACH, DAVID W.	2,840,242	PETTIS, ROD	2,881,681
CORPORATION TOKYO		OLSON, WILLIAM C.	2,616,189	PEVEAR, DANIEL C.	2,616,189
MEDICAL AND DENTAL		OMEROS CORPORATION	2,871,151	PFIZER INC.	2,900,322
UNIVERSITY	2,835,599	OMYA INTERNATIONAL AG	2,947,664	PHILIP MORRIS PRODUCTS	
NAYRAC, FREDERIC	2,951,545	OPEL, CARL	2,924,945	S.A.	2,863,148
NEDERLANDSE		OREGON HEALTH & SCIENCE		PHILLIPS, MATTHEW	
ORGANISATIE VOOR		UNIVERSITY	2,796,601	THOMAS	2,949,839
TOEGEPAST-		ORUPOLD, TAAVI	2,910,606	PIC-BLATEYRON, LUCILE	2,802,819
NATUURWETENSCHAPP		OSMANOVIC, NERMIN	2,800,917	PICHLER, ARTHUR	2,835,332
ELIJK ONDERZOEK TNO	2,831,408	OSRAM SYLVANIA INC.	2,872,481	PIENTA, WILLIAM THOMAS	2,723,407
NEFF, CHAD C.	2,800,917	OSTROVER, LEWIS S.	2,844,078	PIENTA, WILLIAM THOMAS	2,723,442
NEGISHI, TAKAKO	2,835,599	OTKRYTOE AKTSIONERNOE		PIEPZYK, DREW	2,921,350
NEILSEN-KULJIAN, INC.	2,875,982	OBSCHESTVO		PIERGALLINI, REMIGIO	2,884,349
NELSON, GARY	2,976,610	"FARMASYNTEZ"	2,896,710	PILAREK, FRANK-OLIVER	2,830,676
NELSON, KARL E.	2,829,888	OTOY, INC.	2,843,479	PINHEIRO, RODRIGO	2,978,485
NERVIANO MEDICAL		OTSUKA PHARMACEUTICAL		PIONEER HI-BRED	
SCIENCES S.R.L.	2,818,713	CO., LTD.	2,811,080	INTERNATIONAL, INC.	2,961,627
NESTEC S.A.	2,804,756	OU, XINBEN	2,959,251	PIONEER HI-BRED	
NESTEC S.A.	2,807,393	OU, XINMIN	2,959,251	INTERNATIONAL, INC.	2,984,354
NESTEC S.A.	2,832,280	OUELLET, FRANCOIS	2,941,566	PIROLLET, LAURENT	2,835,520
NESTEC S.A.	2,878,150	OVIVO LUXEMBOURG		PIRON, CAMERON ANTHONY	2,957,977
NEUBOURG SKIN CARE		S.A.R.L.	2,851,122	PLUM, LORI	2,837,882
GMBH & CO. KG	2,783,121	OWNBY, DAVID	2,821,384	POGET, LAURENT EDOUARD	2,863,148
NEUROMOD DEVICES		OYAMA, MASATAKA	2,979,499	POLIAKOFF, MARTYN	2,825,258
LIMITED	2,922,611	OYORI, HITOSHI	2,955,911	POLITIS, JEFFREY K.	2,926,940
NGUYEN, HUY D.	2,875,982	OZINGA READY MIX		POLYACTIVA PTY LTD	2,949,337
NGUYEN, OANH H.	2,840,392	CONCRETE, INC.	3,008,166	PONTALLIER, BENOIT	2,828,704
NGUYEN-THIEN-NHON,		OZINGA, JUSTIN A.	3,008,166	POSEL, JURGEN	2,942,438
DIANE	2,840,392	PADMANABHAN, BABU	2,961,445	POULIE, CHRISTIAN	
NICHOLLS, ANNE ELIZABETH	2,871,691	PALADIN LABS (BARBADOS)		BERNARD MATTHIJS	2,849,111
NIELSEN, KENT HOEIER	2,897,354	INC.	2,797,098	POULIN, DANIEL	2,961,438
NIEMINEN, HENRI	2,868,224	PALADIN LABS EUROPE		POULSEN, TOMMY SANDDAL	2,790,243
NIKE INNOVATE C.V.	2,861,219	LIMITED	2,797,098	POUNDS, DALE K.	2,809,142
NIPPON SHARYO, LTD.	2,967,235	PALADIN LABS INC.	2,797,098	PPG INDUSTRIES OHIO, INC.	2,929,953
NIPPON STEEL & SUMITOMO		PALLE, STEEN	2,773,277	PPG INDUSTRIES OHIO, INC.	2,944,394
METAL CORPORATION	3,001,297	PALMER, WILLIAM	3,020,767	PPG INDUSTRIES OHIO, INC.	2,944,749
NIPPON STEEL & SUMITOMO		PANJE, KRISHNA PRASAD	2,965,667	PRESZ, WALTER M., JR.	2,900,277
METAL CORPORATION	3,024,539	PARISH, DAN	2,918,551	PRITZ, WOLFGANG	2,849,041
NISSAN MOTOR CO., LTD.	2,978,532	PARK, MIN AH	2,951,015	PROBST, JOCHEN	2,696,768
NISSAN MOTOR CO., LTD.	2,986,883	PARK, STEVEN	2,941,938	PRODANOVIC, RADOVAN	2,856,003
NISSAN MOTOR CO., LTD.	3,001,097	PARKER, ROBERT PRESTON	2,908,840	PROMEGA CORPORATION	2,815,227
NIU, DEQIANG	2,986,640	PARNHAM, EMILY RUTH	2,787,625	PROPST, CECIL W.	2,821,504
NOMURA, NARUHIKO	3,024,539	PATEL, PARESMAS RASIKLAL	2,824,518	PRYSMIAN S.P.A.	2,859,433
NOONE, MICHAEL	2,861,219	PATZ CORPORATION	2,782,252	PRYTIME MEDICAL DEVICES,	
NORTHAM, PAUL R.	2,961,388	PAUL WURTH		INC.	2,990,479
NORTHGATE TECHNOLOGIES		DEUTSCHLAND GMBH	2,851,749	PUAUD, MAX MICHEL	2,807,393
INC.	2,882,238	PAUL WURTH S.A.	2,851,749	PUNIYA, VIKRAM SINGKH	2,896,710
NORTHWAY, BRUCE	2,816,080	PAULOS, STEPHANOS	2,791,494	PURECIRCLE USA INC.	2,780,561
NOTTE, GREGORY	2,934,454	PEARCE, JEFFREY T.	2,800,917	PURKAYASTHA,	
NOVARTIS AG	2,928,011	PEARCE, JOHN ANTHONY	2,878,373	SIDDHARTHA	2,780,561
NOYES, DALLAS B.	2,870,842	PEARCHE, MICHEAL DAVIS	2,788,790	PUROHIT, ANKITA	2,941,938
NUMAKURA, KEIICHIRO	2,986,883	PECTOL, MATTHEW	2,957,788	PUVANAKIJAKORN,	
NXTERA, INC.	2,791,494	PEDERSEN, NINFA RANGEL	2,773,277	VORAVIT	2,872,481

**Index of Canadian Patents Issued
March 26, 2019**

QIAO, LIXIN	2,986,640	ROLLS-ROYCE NORTH	SCHWENDEMAN, IRINA G.	2,944,394
QIN, SHIXIN	2,774,032	AMERICAN	SCHWENDEMAN, IRINA G.	2,944,749
QIN, ZHIHUI	2,798,272	TECHNOLOGIES, INC.	SCHWENDEMAN, JOHN E.	2,944,394
QINGDAO CHUNGHAO		ROQUILLY, ANTOINE	SCOTT, LORI KARYN	2,961,627
TISSUE ENGINEERING		ROSINGER, CHRISTOPHER	SEBIA	2,765,210
CO., LTD.	2,970,702	HUGH	SEITZ, JOHANN	2,817,981
QU, QI	2,940,517	ROSS, COLBY MUNRO	SELDEN, BRIAN A.	2,908,840
QUALCOMM INCORPORATED	2,860,804	ROSS, PETER GEORGE	SELLEY, DAVID	2,849,266
QUAN, JON FONG	2,959,251	ROTTAPHARM S.P.A.	SEN, HIMADRI	2,961,445
QUANTUM DESIGN		ROVATI, LUCIO CLAUDIO	SENIOR, PAUL D.	2,923,654
INTERNATIONAL, INC.	2,841,818	ROWE, MATHEW DENNIS	SENNOUN, MOHAMMED EL	
QUIAMBAO, JIMMY M.	2,809,142	ROY, YVES	HACIN	2,950,248
QUINN, ANTHONY EDWARD	2,803,053	RUIJVEN, EDWARD VAN	SENNOUN, MOHAMMED EL	
RAHMOUNI, MILOUD	2,797,098	RUTH, ROBERT S.	HACIN	2,954,914
RAJAKUMAR, RAJADURAI		RUTHERFORD, MICHAEL	SERAC GROUP	2,936,832
ISAAC	2,800,917	SABRE INTELLECTUAL	SESHADRI, SRI R.	2,829,486
RAMBHARACK, JEFF	2,918,551	PROPERTY HOLDINGS	SETINA, TERRY L.	2,790,363
RAMSEY, CHRISTOPHER		LLC	SETOGUCHI, HIDEAKI	3,001,097
PAUL	2,871,691	SAEGER, ROLAND B.	SHAH, SAMEER VINOD	2,738,810
RANEY, ROB	2,797,244	SAGER, RONALD	SHALEV, YOSSEF	2,930,077
RANGANATHAN, SENTHIL	2,821,384	SAHASRANAMAN, MURALI	SHAN, GUOJIAN	2,817,622
RASZGA, CALIN	2,828,341	SAITO, TAKANORI	SHANGHAI XINSHENPAI	
RATHMELL, LAUREN	2,936,618	SALGARD AS	TECHNOLOGY CO., LTD.	2,879,399
RAVENELLE, FRANCOIS	2,797,098	SALSA, MATTEO	SHAPIRO, JASON DAVID	2,951,431
RAWLS, LEE	2,919,912	SALVAIRE, FABRICE	SHEN, PEIHUA	3,009,357
RAY, ADRIAN S.	2,840,242	SAMPSON, JOHN H.	SHETTY, RAKSHIT	2,961,445
RAYTHEON COMPANY	2,910,899	SAMSUNG ELECTRONICS	SHIMOMURA, TAKU	2,986,883
REEDY, MATTHEW C.	2,814,634	CO., LTD.	SHINOHARA, TOMOICHI	2,811,080
REID, SEAN	2,787,625	SANDELIS, DENIS JEAN	SHITAMA, HIROAKI	2,950,072
REJC, GABRIJEL	2,981,276	MAURICE	SHL MEDICAL AG	2,927,008
RENNER, JASON M.	2,833,535	SANDOZ AG	SHMILOVICH, ARVIN	2,794,727
RENSKI, WILLIAM J.	2,851,417	SANG, JUNJIE JEFFREY	SHUCK, QUINLAN YEE	2,762,758
RESEARCH DEVELOPMENT		SANGAMO THERAPEUTICS,	SICA, RODOLFO	2,859,433
FOUNDATION	2,796,601	INC.	SICENO S.A.R.L.	2,952,761
REYNOLDS, CLAUDE E., JR.	2,943,757	SANT, VINAYAK	SIEMENS	
REYNOLDS, JEREMY	2,990,479	SARRAZIN, MARIE-JOSE	AKTIENGESELLSCHAFT	2,766,768
RICHARDS, WILLIAM MARK	2,963,077	SASAKI, HIROFUMI	SIEMENS	
RICHTER, THORSTEN	3,000,882	SASSO, DOMINIC LOUIS	AKTIENGESELLSCHAFT	2,817,981
RICHTER, THORSTEN	3,000,886	SATHER, DALE A.	SIEMENS	
RIDGWAY, JAMES	2,802,095	SATO, ATSUSHI	AKTIENGESELLSCHAFT	2,827,620
RING, LEV	2,961,388	SATO, TETSURO	SIEMENS INDUSTRY, INC.	2,723,407
RING, TERRY A.	2,870,842	SAUNDERS, BRIAN F.	SIEMENS INDUSTRY, INC.	2,723,442
RIOUX, ROBERT	2,816,880	SAURO, THOMAS	SIGNA CHEMISTRY, INC.	2,871,595
RITTER PHARMACEUTICALS,		SAVOLAINEN, HEIKKI	SIMOE, JEAN-PAUL	2,851,749
INC.	2,770,274	SCHANZER, JUERGEN	SIMONIN, DENIS	2,765,210
RIZZA, GREGORY	2,978,485	MICHAEL	SINES, RANDY D.	2,754,629
ROANE, THOMAS OWEN	2,963,077	SCHAEETZ, JONOTHAN ALLEN	SINGER, DEBRA L.	2,944,749
ROBB, JOHN	2,787,625	SCHIEFFEL, RAINER	SINGH, JUSWINDER	2,986,640
ROBERT, FREDERIC	2,765,210	SCHINDLER, ULRICH	SINGH, KANCHAN KUMAR	2,926,292
ROBERT, RENE-LUC	2,776,303	SCHLEIFE, MATTHEW	SIVARAMAKRISHNAN,	
ROBINSON, SIMON P.	2,967,254	SCHLOSBERG, RICHARD H.	SHANKAR	2,950,548
ROBINSON, TIMOTHY	2,834,702	SCHLUETER, DOUGLAS	SKIDATA AG	2,965,108
ROBINSON, TIMOTHY MARK	2,789,697	SCHNEIDER ELECTRIC	SMED, MOGENS F.	2,817,279
ROBIRDS, TIMOTHY GORDON	2,788,790	INDUSTRIES SAS	SMITH INTERNATIONAL, INC.	2,923,870
ROCHE GLYCART AG	2,757,931	SCHNUR, DANIEL	SMITH, ALFONSO MARTINEZ	2,951,849
ROCHE, JOHN MICHAEL	2,857,655	SCHOELKOPF, JOACHIM	SMITH, DAMON	2,797,098
ROCKLINE INDUSTRIES, INC.	2,882,091	SCHRECKE, GREGORY SCOTT	SMITHS DETECTION-	
RODDY, CRAIG W.	2,887,637	SCHROCK, RAINER	WATFORD LIMITED	2,822,737
ROGGOW, TIMOTHY	2,849,266	SCHRODER, MANUEL A.	SNECMA	2,828,704
ROHRBACKER, DAVID A.	3,020,767	SCHROM, MARK	SNECMA	2,835,361
ROLLS-ROYCE		SCHULTZ, JEFFREY W.	SNOW, KYLE ROBERT	2,950,248
CORPORATION	2,762,758	SCHUMACHER, CHRISTIAN	SOBELEVSKY, MIKHAIL	2,882,238
ROLLS-ROYCE		SCHWARTZ, YITZHACK	SOFAR SPA	2,806,519
CORPORATION	2,906,400	SCHWARZ, TOMAS		

**Index des brevets canadiens délivrés
26 mars 2019**

SOLID CARBON PRODUCTS LLC	2,870,842	T.F.H. PUBLICATIONS, INC.	2,833,880	THYSSENKRUPP STEEL EUROPE AG	2,933,709
SONGKAKUL, PORNSAK	2,723,407	TAARNING, ESBEN	2,901,823	TIDALSTREAM LIMITED	2,960,227
SONGKAKUL, PORNSAK	2,723,442	TADA, MASAKI	2,885,201	TIEN, TIMOTHY JESSE	2,738,810
SONOCO DEVELOPMENT, INC.	2,881,681	TAI, KUNINORI	2,811,080	TIENHAARAA, MIKA	
SONZALA, FRANK	2,835,288	TAI, SHINJI	2,804,756	KRISTIAN SULEVI	2,859,515
SOUBELET, DIOMINIQUE	2,832,857	TAING, HENG CHY	2,949,337	TIMMERS, CORNELIS MARIUS	2,849,111
SOUTHWELL, BRIDGET RAE	2,771,070	TAIT, RUSSELL JOHN	2,949,337	TIOXIDE EUROPE LIMITED	2,787,625
SPARKOFF, LLC	2,933,000	TAKAHASHI, KATSUYOSHI	2,988,555	TLV CO., LTD.	2,616,452
SPARKS, ROBERT	2,962,883	TAKAYANAGI, HIROSHI	2,835,599	TODMAN, MICHAEL TORR	2,960,227
SPEARS, JAMES	2,802,095	TAKIEDDINE, RAMZI	2,948,885	TOELLE, KATHRIN	2,745,236
SPENCER, DAVID	2,990,479	TALBOT, JOHN	2,976,610	TOJO, TAKEHIKO	3,001,810
SPI PHARMA, INC.	2,821,504	TAN, ANDRE YI FENG	2,771,070	TOJO, TAKEHIKO	3,001,821
SPRINGER, KEVIN R.	2,797,244	TANAKA, AGAMU	2,962,912	TONKIN, REBECCA LOUISE	2,787,625
STAGLJAR, IGOR	2,914,980	TANAKA, SHINJI	2,988,555	TORAY INDUSTRIES, INC.	2,788,545
STAKNIS, MARK	2,750,279	TANDE, KURT STEINAR	2,862,107	TOWNSEND, JAMES	2,943,757
STAMMER, ANDREAS	2,849,266	TANNEBAUM, WOLFGANG	2,939,798	TRABEAU, MAGGIE	2,764,138
STAPLETON, DAVID SCOTT	2,951,431	TANTUM OPTICS, LLC	2,957,658	TRESS, TAB A.	2,852,400
STARK, GREGORY ALAN	2,957,489	TAORI, RAKESH	2,841,973	TRESSER, SARAH J.	2,916,186
STARK, KENNETH O.	2,850,602	TATE, STEPHEN A.	2,810,143	TRIMBLE NAVIGATION LIMITED	2,958,419
STATOIL PETROLEUM AS	2,887,947	TECHNIWOOD INTERNATIONAL	2,869,613	TRIMED, INCORPORATED	2,866,514
STEERLIFE INDIA PRIVATE LIMITED	2,961,445	TECHNOLOGICAL RESOURCES PTY. LIMITED	2,816,080	TROJAN TECHNOLOGIES	2,764,918
STEGELMANN, OLIVER	2,992,308	TEISSEDE, PIERRE-LOUIS	2,802,819	TROST, CHRISTOPHER S.	2,814,634
STENER, LESTER	2,919,923	TELEFLEX MEDICAL INCORPORATED	2,921,350	TSENG, WALTER M.	2,965,863
STEPAN SPECIALTY PRODUCTS, LLC	2,792,301	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	2,968,202	TSERETOPOULOS, DEAN C.N.	2,973,972
STERN, RAINER	2,816,404	TEMEREANCA, OVIDIU G.	2,800,917	TSUKAHARA, MASAYOSHI	2,820,151
STICH, CHRISTIAN E.	2,918,551	TERKIELTAUB, DOV	2,818,577	TSUKAHARA, MASAYOSHI	2,821,888
STICKLUS, JAN	2,970,918	TERMANINI, ZAFER	2,924,694	ULTIMED, INC.	2,870,895
STIFFLER, DAVID W.	2,792,103	TESANOVIC, MILOS	2,766,311	UMANA, PABLO	2,757,931
STOEFFLER, YVES	2,851,043	TESTER, RICHLAND WAYNE	2,986,640	UNCH, JAMES	2,815,227
STOKELY-VAN CAMP, INC.	2,865,897	TEUNISSEN, ALOYSIUS WILHELMUS		UNIFRAX I LLC	2,816,880
STOUT, TIMOTHY J.	2,796,601	RUDOLPHUS HUBERTUS	2,834,053	UNILEVER PLC	2,803,053
STRACHAN, MICHAEL	2,931,099	THALES	2,813,619	UNILEVER PLC	2,839,050
STULEN, HENRY J.	2,828,341	THATCHER, GREGORY R.J.	2,798,272	UNIQUIRE IP B.V.	2,694,406
SU, HAI	2,769,506	THATCHER, JENNIFER	2,843,626	UNITED CONSTRUCTION PRODUCTS, INC.	2,946,496
SULLIVAN, JOHN	2,749,093	THE BETTER LINE INC.	3,005,828	UNITED SERVICES AUTOMOBILE ASSOCIATION (USAA)	2,814,634
SULZER CHEMTECH AG	2,859,515	THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS	2,798,272	UNIVERSITE DE NANTES	2,785,909
SUMITOMO OSAKA CEMENT CO., LTD.	2,979,499	THE BOEING COMPANY	2,668,354	URBACH, JULIAN MICHAEL	2,843,479
SUN, HONG	2,940,517	THE BOEING COMPANY	2,787,171	URUSHIDANI, YUKIHIRO	2,804,756
SUN, ZHIJIE	2,965,289	THE BOEING COMPANY	2,794,727	UWI TECHNOLOGY LTD	2,787,739
SUNNYBROOK HEALTH SCIENCES CENTER	2,802,119	THE BOEING COMPANY	2,809,142	VAGNOLI, LUANA	2,770,274
SUPERNUS PHARMACEUTICALS, INC.	2,782,314	THE BOEING COMPANY	2,829,888	VALDERRAMA, VINCENT	2,939,438
SURIANO, DAVID FRANK	2,712,470	THE CHEMOURS COMPANY FC, LLC	2,808,229	VALE S.A.	2,852,096
SUSTMANN, CLAUDIO	2,757,931	THE GILLETTE COMPANY LLC	2,928,919	VALENTI, F. PAUL, JR.	2,924,945
SUTER, MARK	2,478,009	THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO	2,914,980	VALVANO, JONATHAN WALKER	2,878,373
SUTO, MIKITO	2,885,201	THE PROCTER & GAMBLE COMPANY	2,948,885	VAN ALMSICK, ANDREAS	2,854,098
SUZHOU UNITED MACHINE CO., LTD.	2,882,246	THE TORONTO-DOMINION BANK	2,973,972	VAN BAREN, ARIE	2,828,900
SUZUKI, TATSUHIRO	2,986,883	THOMSON, MALCOLM	2,805,049	VAN DER HOOFT, MICHAEL	2,852,096
SUZUKI, TOSHIYA	3,024,539	THORNTON, ANDREW	2,816,080	VAN DER WAAL, PATRICK	2,792,301
SWARUP, SHANTI	2,944,394	THYSSENKRUPP ELEVATOR AG	2,936,819	VANDORT, PAUL	2,849,266
SYLLIAASEN, SCOTT	3,001,320			VANHOUTIN, LOUIS ANTHONY	2,965,321
SYNAPTIVE MEDICAL (BARBADOS) INC.	2,957,977			VASSALLO, FRANK ANTHONY, II	2,933,000
SYNAPTIVE MEDICAL (BARBADOS) INC.	2,977,407			VAZQUEZ, PABLO	2,810,328
SZEWCZYK, GREGORY	2,712,470			VELEZ, JUAN CARLOS	2,840,392
				VELLARD, MICHEL C.	2,687,450
				VELTRI, JEFFREY ALLAN	2,801,307

**Index of Canadian Patents Issued
March 26, 2019**

VERKAIK, SASKIA	2,849,111	WISCONSIN ALUMNI	ZUSHI, YUSUKE	2,986,883
VERZINI, MASSIMO	2,811,367	RESEARCH		
VESCO, MARIO	2,924,732	FOUNDATION	2,837,882	
VETTORETTI, ALAIN	2,951,545	WISECUP, STEPHEN T.	2,690,170	
VIERLING, LAUREN	2,735,519	WOEHRLE, JUDD	2,814,634	
VILACTO BIOIP, LLC	2,773,277	WOOD, MICHAEL FRANK		
VION, PATRICK	2,835,687	GUNTER	2,957,977	
VIRUN, INC.	2,863,544	WOOD, TREVOR HOWARD	2,950,550	
VISHWANATH, RAMAKRISHNAN	2,886,796	WORLEYPARSONS EUROPE LTD.	2,949,146	
VOGEL, JOERG	2,897,354	WU, REL-YOUNG AMOS	2,865,897	
VOLLSTEDT, SABINE	2,478,009	WU, XIAO	2,828,936	
VOLPICELLI, RAFFAELLA	2,811,367	WUHAN KAIDI ENGINEERING TECHNOLOGY		
W & H DENTALWERK BURMOOS GMBH	2,939,798	RESEARCH INSTITUTE CO., LTD.	2,945,415	
W.R. GRACE & CO.-CONN.	2,828,936	WYLER, JONATHAN	2,797,244	
WABTEC HOLDING CORP.	2,889,090	XEROX CORPORATION	2,852,400	
WACH, RYAN ROBERT	2,857,655	XIE, XIANGTIAN	2,933,448	
WADA, SHOHEI	2,920,605	XU, RAYMOND RUIWEN	2,906,400	
WAHLQUIST, JOSEPH D.	2,882,091	XUE, YUZHEN	2,965,289	
WAKELING, TIM	2,750,279	YADLIN, YORAM	2,794,727	
WALIA, SARABJIT SINGH	2,973,972	YAKE, ALLISON MARY	2,808,229	
WALLACE, GREGG	2,757,872	YAMAGUCHI, KEINA	2,820,151	
WANG, BAOQUAN	2,970,702	YAMAKA, RYUUTA	2,979,499	
WANG, JIANBIN	2,734,235	YAMAMOTO, YASUO	2,950,072	
WANG, MU-CHENG	2,910,899	YAMANO, KENTAROU	2,978,532	
WANG, RANSHI	3,009,357	YANG, JENNY JIE	2,671,431	
WANG, YAN	2,749,093	YANG, SI YONG	2,951,015	
WANG, YUE	2,817,622	YANG, WEI	2,671,431	
WARD, PETER	2,992,308	YANGGU XIANGGUANG COPPER CO., LTD.	2,933,448	
WARMOUTH, CORTNEY	2,965,321	YAUCH, ROBERT L.	2,772,715	
WARNER BROS. ENTERTAINMENT INC.	2,844,078	YE, YIMING	2,671,431	
WARRATZ, RALF	2,745,236	YEMANE-TEKESTE, GIRUM	2,946,562	
WATERLOO MAPLE INC.	2,836,968	YENGOYAN, LEON	2,760,170	
WATKINS, WILLIAM J.	2,840,242	YEUNG, BENNY HON BUN	2,860,487	
WATT FUEL CELL CORP.	2,929,680	YOSHIARA, TETSUYA	2,962,912	
WEATHERCHEM CORPORATION	2,782,109	YOUNG, ERIC C.	2,738,810	
WEATHERFORD TECHNOLOGY HOLDINGS, LLC	2,961,388	YU, CHANG	2,879,399	
WEATHERSBY, STEVEN T.	2,959,251	YU, MING	2,967,254	
WEBER MANUFACTURING TECHNOLOGIES INC.	2,809,699	YUAN, JING	2,926,292	
WEBER, JEFFREY DALE	2,961,260	YUAN, ZHIMAN	2,959,251	
WEBER, MARTIN	2,745,236	YUREK, NICK	2,816,868	
WELLS, DANIEL MORGAN	2,760,170	ZACH SYSTEM S.P.A.	2,811,367	
WELLWOOD, GRANT ASHLEY	2,816,080	ZARSKY, JAN	2,853,291	
WEN, JIAN	2,959,251	ZENTRUM FUER SONNENENERGIE- UND WASSERSTOFF- FORSCHUNG BADEN- WUERTEMBERG, GEMEINNUETZIGE STIFTUNG	2,816,404	
WENDT, DANIEL J.	2,687,450	ZERO ZONE, INC.	2,962,883	
WEST FORK ENVIRONMENTAL, INC.	2,894,525	ZETIQ TECHNOLOGIES LTD.	2,818,577	
WESTHUES, JONATHAN	2,809,116	ZHANG, LINBIN	2,817,622	
WESTLIN, WILLIAM FREDERICK	2,986,640	ZHANG, YANFENG	2,945,415	
WIESMUELLER, JOHANN	2,950,496	ZHAO, JUN	2,738,810	
WILLIAMS, DEXTER M.	2,735,519	ZHOU, JIA	2,940,517	
WILLIAMS, PETER	2,764,138	ZHOU, SONGLIN	2,933,448	
WILLIS, THOMAS M., III	2,963,788	ZIMMERMAN, THOMAS P.	2,821,384	
WILSON, JOHN	2,947,862	ZIPPERER, JAMES	2,861,219	
WINSLOW, DANIEL	2,931,099	ZITZLER, STEFAN	2,817,981	
WINTERS, JOHN ROBERT	2,839,050	ZOU, JIN	2,671,431	

Index of Canadian Applications Open to Public Inspection

March 10, 2019 to March 16, 2019

Index des demandes canadiennes mises à la disponibilité du public

10 mars 2019 au 16 mars 2019

9220-6820 QUEBEC INC.	3,017,159	BETTCHER, NANCY	3,017,008	COLBAUGH, PAUL ANTHONY	3,017,297
ABL IP HOLDING LLC	3,029,487	BHATTACHARYA, SUJIT	3,016,945	COLCOMBE, THOMAS PERRY	3,017,297
ABOUSSOU, ANABEL	3,016,966	BIOSENSE WEBSTER		CONYNGHAM, KURT	3,017,474
ABRARI, FARID	3,013,389	(ISRAEL) LTD.	3,017,166	COTTRELL, DANIEL	3,009,690
ABRARI, FARID	3,013,392	BIOSENSE WEBSTER		COVIDIEN LP	3,015,391
ABRARI, FARID	3,013,393	(ISRAEL) LTD.	3,017,171	CRASS, MATTHEW M.	3,009,959
ACHARYA, DHYEV	3,016,790	BISIKER, MALCOLM	2,979,441	CYNORA GMBH	3,016,778
ACKER, JONATHAN	3,013,299	BLAKELEY, MATTHEW		CYNORA GMBH	3,016,789
ACTUANT CORPORATION	2,993,587	ROBERT	3,015,383	CYNORA GMBH	3,017,002
ADAIR, PAUL THOMAS	3,009,863	BLUM, DIETER WOLFGANG	2,979,118	CYNORA GMBH	3,017,010
ADIQUE, ERNEST	3,013,389	BOGDANOVICH, JAMIE	2,978,912	CZARNECKI, MICHAL	3,016,742
ADIQUE, ERNEST	3,013,392	BOGER, DALE	2,993,378	CZECH, KEN	3,015,383
ADIQUE, ERNEST	3,013,393	BOHM, MARTIN	3,015,044	DACKS, RACHEL	3,017,373
AGARWAL, PUNEET	2,997,797	BREATHABLEBABY, LLC	3,017,373	DALY, SHAWN	3,017,067
AGF MANUFACTURING, INC.	3,017,309	BREATHABLEBABY, LLC	3,017,581	DAVIS, EVAN	3,017,052
AIR PRODUCTS AND		BRESCIANI, DANIELE	3,016,950	DECAST LTD.	2,979,153
CHEMICALS, INC.	3,016,647	BREZDEN, JAMES RYAN	2,979,387	DECKER, ARNOLD	2,993,587
AIRBUS HELICOPTERS		BRIGGS, JEFFREY MARK	3,017,078	DEERE & COMPANY	3,016,831
DEUTSCHLAND GMBH	3,004,225	BRITAX ROMER		DEFFENBAUGH, DAREN L.	3,015,896
AITCHISON, PAUL	3,013,393	KINDERSICHERHEIT		DELTA FAUCET COMPANY	3,016,791
AKER, GRACE	3,013,299	GMBH	3,015,044	DENG, BIN	3,017,595
ALAVA, ISABEL	3,016,393	BROSTOW, ADAM ADRIAN	3,016,647	DEPUY IRELAND UNLIMITED	
ALBIZURI, INIGO	3,016,393	BROUGH, CHRIS	2,979,451	COMPANY	3,015,896
ALDEN, J. MICHAEL	3,016,393	BRP FINLAND OY	2,979,249	DES ROCHES-DIONNE,	
ALSADAH, HASHIM	3,017,047	BRUCKNER, MICHAEL	3,016,554	NICOLAS	3,015,428
ALSALLAMI, KHALED KAL	2,978,784	BRUSSOL, LAURENT MARC	3,016,647	DESAI, KRUTIN S.	3,015,383
ALVARADO JIMENEZ,		BUCKMAN, JAMES OLIVER	3,016,966	DEVRIES, ADAM M.	3,016,791
ALBERTO	3,017,085	BUDZYNSKI, MATTHIAS	3,017,010	DIAZ, LUIS	3,016,393
ANAND, KARAN	3,013,393	BUPATHI,		DISPERSOL TECHNOLOGIES,	
ANTOLINO, NICHOLAS		SHIVARAMAKRISHNA	3,008,351	LLC	2,979,451
EDWARD	3,015,901	BUSSEY, TRAVIS	3,016,957	DOLIGEZ, BRIGITTE	3,016,966
ANZOLA, GUSTAVO	3,007,800	CAMPBELL, DANIEL S.	3,009,690	DONG, JIN	2,989,275
ARBESMAN, RAY	3,010,524	CAMPBELL, MORGAN		DONNILLON, TOM	3,017,398
ARCHA, WILLIAM G.	3,017,203	MICHAEL	3,022,716	DOYLE, CASEY LYN	2,979,250
AUBIN, ALEXANDRE	3,002,783	CANADIAN BANK NOTE		DRABCZYK, JOHN J.	3,017,150
AURORA FLIGHT SCIENCES		COMPANY, LIMITED	2,978,877	DUCK, SEBASTIAN	3,016,789
CORPORATION	3,009,690	CARON, LOUIS	3,016,993	DUNJIC, MILOS	2,979,250
AVVLN, SRINIVASA MURTHY		CARON, LOUIS	3,016,997	EAST WEST	
ARAVALLI	3,015,391	CARPENTER, DUSTIN	3,017,150	MANUFACTURING LLC	3,017,453
B&R INDUSTRIAL		CHANG, TACHUN	2,979,272	EATON INTELLIGENT POWER	
AUTOMATION GMBH	3,016,554	CHEN, BUMING	2,989,275	LIMITED	3,017,297
BAKATSIAIS, KOSTAS	3,015,864	CHEN, LIN	3,014,960	EGAN, JASON	3,015,558
BALKEMA-BUSCHMANN,		CHEN, SHIHEMN	3,013,001	EHRlich, MARK	3,017,256
ANNE	2,979,296	CHENOUX, MATHIEU	3,012,920	EINZMANN, CONSTANTIN	3,004,225
BAUER, JOSEPH C.	3,017,398	CHHABRA, AMIT	3,017,008	ELECTRIC POWER	
BAUMANN, THOMAS	3,017,010	CHILDS, DANIEL KEATING	3,017,067	RESEARCH INSTITUTE,	
BAUMANN, THOMAS; DR.	3,016,778	CHINIARD, RENAUD	3,016,950	INC.	2,979,004
BECKWITH, TIMOTHY J.	3,017,150	CHONG, JONATHAN CHEE		ELKAY MANUFACTURING	
BELCHER, BRIAN C.	3,017,256	YEEN	3,017,067	COMPANY	3,017,067
BENDIX COMMERCIAL		CHOW, ARTHUR CARROLL	2,979,250	ELKSNIS, YAN	3,022,716
VEHICLE SYSTEMS LLC	3,017,150	CHURCH, ROBERT B.	2,979,296	ELLIS, DANIEL LEE	3,017,297
BERCOM INTERNATIONAL,		CNA DIAGNOSTICS INC.	2,979,296	ELWELL, JAMES P.	3,009,863
LLC	3,017,258	CNH INDUSTRIAL AMERICA		EMBRIONIX DESIGN INC.	3,016,993
BERGMAN, MARK W.	3,017,258	LLC	3,010,367	EMBRIONIX DESIGN INC.	3,016,997
BERMAN, DROR	3,017,171	COHEN, BENJAMIN	3,017,171	ENEVOLDSEN, PEDER BAY	3,017,204

**Index of Canadian Applications Open to Public Inspection
March 10, 2019 to March 16, 2019**

ENGELS, JARY	3,008,986	HEDGES, SCOTT A.	2,979,133	KOENIG, JOHN	3,008,986
ERTMAN, ALEX	3,013,299	HEIKURINEN, KARI	3,013,389	KORDASIEWICZ, ROMAN	
ETHICON, INC.	3,017,004	HEIKURINEN, KARI	3,013,392	CZESLAW	3,017,376
EVANS, NICK SHADBEH	3,015,886	HEIKURINEN, KARI	3,013,393	KOSTAKIS, GRIGORIS	3,015,864
EVERI GAMES, INC.	3,016,957	HEJNA, ANDREW	3,006,198	KOWALCHUK, JONATHAN	3,029,299
EXPANDWELL HOMES INC.	3,017,283	HERTEL, AUSTIN C.	3,017,596	KOWALCZYK, MICHAL	3,016,742
EYESTONE, JODY I.	3,016,831	HERTEL, KEVIN D.	3,017,596	KOWALEWSKI, ISABELLE	3,016,966
FAN, XIAO ZHU	3,005,912	HFA, INC.	3,002,370	KOZAR, MICHAEL PATRICK	3,015,886
FATHKE, DANIEL	3,006,198	HILL PHOENIX, INC.	3,017,018	KRACKE, JEREMY	3,015,558
FELLIN, NICOLAS	3,012,920	HILL, MICHAEL	3,017,018	KRASS, ROBERT M.	3,029,487
FELLING, FOREST MITCHELL	3,017,052	HIRAYAMA, SHINYU	3,017,083	KRAUSE, JEFFREY J.	3,017,150
FINE, KENNETH DAVIN	3,017,082	HO, DENNIS KEITH	2,979,387	KRYSZTOPA, ADAM	3,016,742
FINK, AXEL	3,004,225	HOCK, MARTIN	3,016,554	KUNKEL, DAVID P.	3,017,256
FISHER, ALLEN SHELTON	3,006,943	HODGE, STANLEY ROBERT	3,005,912	KUNMING HENDERA	
FOCAL POINT LLC	3,015,383	HOLZER, DAVID JOSEPH	3,016,647	SCIENCE AND	
FONSECA, NELSON	3,016,950	HOLZLEITNER, ALOIS	3,016,554	TECHNOLOGY CO., LTD.	2,989,275
FREEHILL, JUSTIN C.	3,016,831	HONDA MOTOR CO., LTD.	3,017,083	KUNMING UNIVERSITY OF	
FRITSCH, MATT	2,993,587	HONEY-JONES, DAVID	2,978,809	SCIENCE AND	
FROELUND, LENNART	3,017,204	HONEYWELL		TECHNOLOGY	2,989,275
FUDGE, DANIEL	3,013,389	INTERNATIONAL INC.	3,005,912	KUSUMA, MURALI KRISHNA	3,008,351
FUDGE, DANIEL	3,013,392	HONEYWELL		LA VANANI	2,978,896
FUDGE, DANIEL	3,013,393	INTERNATIONAL INC.	3,008,351	LA VARDERA, GREGORY	2,979,133
FUJISAWA, AKITOSHI	3,014,227	HONEYWELL		LABERGE, PAUL	2,979,006
FUTABA INDUSTRIAL CO.,		INTERNATIONAL INC.	3,008,986	LAMARRE, SYLVAIN	3,015,428
LTD.	3,017,005	HSU, WEI-TING	3,014,960	LAMOUREUX-VAR,	
GARCIA, BRUNO	3,016,966	HU, SHU-WEI	3,014,960	VIOLAINE	3,016,966
GAUDREAU, MARC	2,978,877	HUANG, CHUTAO	2,989,275	LAVOIE, RENAUD	3,016,993
GAULIN, ADAM	3,017,472	HUANG, FENG	2,989,275	LAVOIE, RENAUD	3,016,997
GENERAL ELECTRIC		HUANG, HUI	2,989,275	LEAMY, BRETT	2,980,179
COMPANY	3,015,901	HUANG, TAIXIANG	2,989,275	LEE, JOHN JONG-SUK	2,979,250
GENERAL ELECTRIC		HUNG, YU-WEI	3,017,047	LEE, SANG	2,979,859
COMPANY POLSKA SP Z		HUSKY INJECTION MOLDING		LEGAY, HERVE	3,016,950
O.O.	3,016,742	SYSTEMS LTD.	3,014,947	LEYDEN, MATTHEW V.	3,017,258
GILLAN, COLIN	3,016,122	IDUPUNUR, KRISHNA	3,008,351	LI, XUELONG	2,989,275
GILSON, LINDSAY L.	3,015,896	IFP ENERGIES NOUVELLES	3,016,966	LIBERTY LIFT SOLUTIONS,	
GIVEN, JEFFREY T.	3,017,258	INBAR, OHAD	3,017,166	LLC	3,017,203
GLEESON, BENTLEY F.	3,017,309	INGEL, MOSHE	3,017,166	LIPKIN, DON MARK	3,015,901
GLEN, STEPHEN	3,017,047	INTROSPECTUS PTY LTD	2,978,831	LOOD, PETER N.	2,978,856
GLOBE UNION INDUSTRIAL		INVENT TO BUILD INC.	3,017,148	LUND, INC.	3,017,322
CORP.	2,979,272	ISMERT, DOMINIC P.	3,017,391	LUNK, DAVID	2,980,179
GOODRICH ACTUATION		JACOBS, LOREN	3,016,957	LYNCH, ERIK	3,017,067
SYSTEMS LIMITED	3,015,558	JAO, JUI-PIN	3,014,960	LYNCH, ROBERT CARLTON	2,979,004
GOODRICH CORPORATION	3,013,001	JINNING HENDERA SCIENCE		LYONS, STEVE	3,029,487
GORDON, PAUL M. K.	2,979,296	AND TECHNOLOGY CO.,		MACKENZIE, MICHELLE	
GOUSSETIS, GEORGE	3,016,950	LTD.	2,989,275	ELIZABETH ALLIX	3,017,376
GRAHAM, DAVID	2,978,974	JOHNSON, CHAD M.	3,010,367	MAJOR, J. MARK	2,979,004
GREENFIELD PRODUCTS,		JOHNSON, KEITH	2,980,179	MALONE, GREGORY	3,029,487
LLC	3,007,800	JOHNSON, TYLER JEFFREY	2,993,587	MANEPALLI, SATYA	
GRIEVE, THOMAS W.	3,017,150	KABA ILCO CORP.	3,006,943	KISHORE	3,015,901
GROSCHUP, MARTIN H.	2,979,296	KABUSHIKI KAISHA KOBE		MAO, AN	3,029,487
GUO, ZHONGCHENG	2,989,275	SEIKO SHO (KOBE STEEL,		MARATHIAS, MEGAKLIS	3,015,864
HAAS, MARTIN	3,015,044	LTD.)	3,014,227	MARTEL, JOEL	3,016,993
HAIGHT, RICHARD	3,017,051	KAL TIRE	2,979,118	MARTEL, JOEL	3,016,997
HALDENBY, PERRY AARON		KANNANAYAKAL, DEEPTHI		MARTENS, ALAN ARTHUR	2,979,387
JONES	2,979,250	T. THOMAS	2,979,296	MARTON, STEVEN	3,017,581
HAMM, CARSTEN	3,017,305	KATZ, NATAN SHARON	3,017,171	MARZ, CHRISTIAN	3,016,966
HARDY, LYLE	3,017,052	KAZMIERCZAK, ANNETTE	2,977,075	MASON, PATRICK SCOTT	2,979,387
HARLEN, RILEY T.	3,017,398	KAZMIERCZAK, GEORGE	2,977,075	MCCANN, STEPHEN JOHN	2,979,250
HARREL, LESTER RAY	2,979,004	KELLEY, ROBERT A.	2,978,898	MCHUGH, GEORGE J., IV	3,017,309
HARRISON, CHRIS	3,009,863	KELLEY, ROBERT A.	2,978,901	MCHUGH, JAMES P.	3,017,309
HARRISON, SAMUEL F.	3,015,886	KENNEDY, DAVID	2,978,938	MCHUGH, JIM	3,016,957
HARVEY, CHRISTOPHER	3,006,198	KHALED, NASSIM	3,017,018	MCILVEEN, SAMANTHA JO	3,017,376
HATCH LTD.	3,022,716	KHURANA, PRERNA	2,997,797	MCINTOSH, DARREN C.	3,015,180
HEBERT, JEREMIE	3,015,428	KLOBUCHAR, SUSAN	3,017,581	MELLENDEZ, LUIS VENTURA	3,008,986

**Index des demandes canadiennes mises à la disponibilité du public
10 mars 2019 au 16 mars 2019**

METTLER, DEAN EDWARD	3,017,322	POLLARD BANKNOTE		SIEMENS GAMESA	
MEYER, STEVEN	3,016,957	LIMITED	3,017,008	RENEWABLE ENERGY	
MITEL NETWORKS, INC.	2,997,141	POLLARD, DOUGLAS E.	3,017,008	A/S	3,017,204
MITSUBISHI HITACHI POWER		POLLOCK, JOEL	2,978,912	SIMONS, CHARLES NASH	3,017,453
SYSTEMS, LTD.	3,015,819	POLYONE CORPORATION	2,979,859	SINGLETON, WILLIAM A.	3,017,150
MOD PANEL		PRATT & WHITNEY CANADA		SKOCZLAS, JAMES	
MANUFACTURING LTD.	2,978,938	CORP.	3,013,389	NICHOLAS	3,017,297
MOLCHANOV, RUSLAN	3,012,795	PRATT & WHITNEY CANADA		SMITH, FRED P.	3,017,090
MOLCHANOVA, IRYNA	3,012,795	CORP.	3,013,392	SNAP-ON INCORPORATED	3,009,959
MOON, SHAWN DAVID	3,016,790	PRATT & WHITNEY CANADA		SOLAEGUI, JUELL	3,017,085
MORITA, TAKAHIRO	3,017,083	CORP.	3,013,393	SOLIS, CARL	3,017,085
MOSSBERG, JONATHAN ERIK	3,017,078	PRATT & WHITNEY CANADA		SPINDLER, CARSTEN	3,017,305
MUGICA, JOSE IGNACIO	3,016,393	CORP.	3,015,428	SRINIVASAN, ASHWIN	2,997,797
NABORS DRILLING		PREMIER MATERIAL		SRIVASTAV, AMIT	3,008,351
TECHNOLOGIES USA,		CONCEPTS LLC	2,999,204	STANDEVEN, KEVIN JAMES	2,979,387
INC.	3,016,122	PURPLE INNOVATION, LLC	3,016,790	STANPAC INC.	3,017,017
NAGAYOSHI, SHOGO	3,017,083	QUICK, TRENT	3,009,863	STATES, DAVID JOHN	3,017,297
NAGURA, KENJI	3,014,227	RAMER, DAVID P.	3,029,487	STAUBLI FAVERGES	3,017,049
NAUMANN, TOBIAS	3,014,947	RAYCAP IP DEVELOPMENT		STIGAS, CHRIS	2,979,017
NELSON, ALFRED CHARLES	3,016,791	LTD	3,015,864	STONE, PAUL	3,013,389
NELSON, HARRY THOMAS	3,017,085	RECCHIA, MARIO	2,979,153	STONE, PAUL	3,013,392
NG, YIN MING SAMSON	3,016,945	RESNIK, DANIEL JOSEPH	3,017,297	STONE, PAUL	3,013,393
NGUYEN, ANTHONY		RIGGS, KEITH	3,016,957	STRICKLAND, MICHAEL R.	3,017,148
HAITUYEN	2,979,250	RILEY, P. GRAVES H.	3,009,690	STRONG, MEAGAN JESSICA	3,017,283
NGUYEN, HOANG LONG	2,997,141	ROBERTS, MARK JULIAN	3,016,647	SUMMIT ESP, LLC	2,980,179
NIEN MADE ENTERPRISE CO.,		ROBERTS, MICHAEL	2,979,349	SYMTEC, INC.	3,017,398
LTD	3,014,960	ROGERS, RASHMI KUMAR	3,029,487	SYNCRUDE CANADA LTD.	3,016,945
NIEN, CHAO-HUNG	3,014,960	ROLLS-ROYCE		TAN, NING	2,989,275
NOLAN, EUGENE SEAN	2,978,831	CORPORATION	3,013,299	TAN, XIHAO	3,017,083
NORTHCUTT, BRETT		ROSCHUK, RICHARD B.	3,017,008	TANG, WENXING	3,016,950
GORDON	3,005,912	RUSH COMPANY, INC.	3,006,198	TAPIO, JANNE	2,979,249
NUGRIPMETAL S.A.R.L.	3,010,524	SAFRAN AERO BOOSTERS SA	3,012,920	TATA CONSULTANCY	
OEXMANN GMBH & CO. KG	3,017,380	SAHA, ATANU	3,015,901	SERVICES LIMITED	2,997,797
OEXMANN, MONIKA	3,017,380	SAITO, HITOSHI	3,017,083	TEICHROB, GARY WAYNE	2,979,387
OEXMANN, THOMAS	3,017,380	SAITO, YASUHISA	3,017,083	TELEPERFORMANCE SE	3,017,052
OGORZALEK, JEREMY	2,993,587	SARBORA, RUSSELL SAMUEL	3,017,085	THALES	3,016,950
ORMAN, RICHARD ALAN	3,017,297	SARNOFF, BRAD	3,002,370	THE BOEING COMPANY	3,015,180
OTIS, NANCY	2,979,156	SAWAMURA, HIRONORI	3,017,083	THE BOEING COMPANY	3,015,886
OTT, DAVID	3,009,863	SCHAFFER, IAN	3,017,373	THE SCRIPPS RESEARCH	
OTT, DIANE	3,009,863	SCHMESKI, KEVIN JAMES	3,016,393	INSTITUTE	2,993,378
PACHOTA, PIOTR	3,016,742	SCHOENY, CHRISTOPHER	3,010,367	THE TORONTO-DOMINION	
PAGE, CHRISTOPHER DEAN	3,006,943	SCHWERT, ERIC	2,993,587	BANK	2,979,250
PAN, MINGXI	2,989,275	SCIBETTA, CODY	3,017,150	THERATIL, IGNATIUS	3,013,389
PAPPALARDO, DANIEL J.	3,013,001	SCIULLI, MARK H.	3,017,150	THERATIL, IGNATIUS	3,013,392
PARE, ANDRE	2,979,261	SEALE, SCOTT ANTHONY	3,017,297	THIESSEN, KEVIN BRENT	2,979,387
PAREKH, ASIM	2,997,141	SEIFERMANN, STEFAN	3,017,002	THIRION, DAMIEN	3,017,010
PARKER, DEBORAH		SEMCO LLC	3,017,047	THIRION, DAMIEN; DR.	3,016,778
JOHNSON	3,006,943	SENSE, CHRISTOPH W.	2,979,296	THURAILINGAM,	
PARMETER, LARRY	2,980,179	SENSEN, MARIA	2,979,296	THIVAHARAN	2,978,877
PARTHEY, MATTHIAS	3,017,010	SERVICENOW, INC.	3,017,085	TIBERGHIE, ALAIN-	
PASTORE, OLIVIER	3,017,049	SEWELL, JAMES J.	3,017,302	CHRISTOPHE	3,017,049
PATEL, HET ANAND	2,979,250	SHEN, DONG	3,022,716	TORRES, FARAON	3,015,886
PATEL, RAJ	3,002,370	SHIN, WILLIAM H.	2,978,856	TOSHACK, FREDERICK	3,017,084
PATER, MARK	3,017,373	SHNITZER, RUSSELL	3,016,647	TOWNSEND, PETER	3,013,389
PATTERSON, IANTHE E.M.	2,978,877	SHOEB, MOHAMMED	3,016,393	TOWNSEND, PETER	3,013,392
PEARCE, TERRY V.	3,016,790	SHORMA, WILLIAM	3,006,198	TREMBLAY, DANIEL	3,016,993
PEARCE, TONY M.	3,016,790	SHORT, ERIC D.	2,999,204	TREMBLAY, DANIEL	3,016,997
PEPPAS, GEORGE	3,015,864	SHROFF, GAUTAM	2,997,797	TUCKER, CHRISTOPHER	3,017,085
PERLMUTTER, SHAI	2,978,856	SHUMKA, JASON	3,026,919	TY-CROP MANUFACTURING	
PHILLIPS, ANDREW JOHN	2,979,004	SHUMKA, THOMAS	3,026,919	LTD.	2,979,387
PHIPPS, JAMES MICHAEL	3,029,487	SIEMENS		UNICO, INC.	3,017,302
PILLOT, DANIEL	3,016,966	AKTIENGESELLSCHAFT	3,017,305	UNIPART RAIL LIMITED	3,017,474
PODA, DANIEL	3,017,055	SIEMENS CANADA LIMITED	3,017,084	UNIVERSAL LIFE ALTERING	
POLITIS, ZAFIRIS G.	3,015,864			SYSTEMS LTD.	2,978,809

**Index of Canadian Applications Open to Public Inspection
March 10, 2019 to March 16, 2019**

URAC, TIBOR	3,013,389
URAC, TIBOR	3,013,392
URAC, TIBOR	3,013,393
VAN BUUREN, FRANS X.	3,017,201
VAN KLEECK, BRENT DOUGLAS	2,979,387
VEITCH, THOMAS	3,013,389
VEITCH, THOMAS	3,013,392
VEITCH, THOMAS	3,013,393
VIG, LOVEKESH	2,997,797
VINCENT, DARRELL	3,017,373
VOVARD, SYLVAIN	3,016,647
WAAS, CHRISTOPHER	3,017,067
WABASH NATIONAL, L.P.	3,017,256
WAFFENSMITH, JEFFREY B.	3,017,258
WAGNER, JOHN	3,009,863
WAGNER, THOMAS	3,016,966
WALCUTT, JEFFREY M.	3,015,896
WARSHAW, WILLIAM KELL	3,017,159
WATANABE, SHINYA	3,017,083
WATANABE, SUMITOMO	3,017,083
WATERWORTH, TOM	2,993,587
WEBER-STEPHEN PRODUCTS LLC	3,016,393
WEDEL, BERND	3,017,305
WEIR CANADA, INC.	3,017,051
WESTERN-CULLEN-HAYES, INC.	3,017,596
WHATCOTT, RUSSELL B.	3,016,790
WHITE, FRANK	2,978,848
WHITE, FRANK	2,978,894
WILENSKI, MARK STEWART	3,015,886
WILSON, DEREK JAMES	3,017,595
WINDOVER, JARED DANIEL	3,017,376
WITT, STEPHEN HUGH	3,017,017
WITZ, JEAN-CHRISTOPHE	3,014,947
WOGOMAN, THOMAS E.	3,015,896
WU, JINPING	2,979,859
WYATT, IVAN SANDY	3,008,986
WYLEZINSKI, ANDRZEJ	3,017,256
XEPAPAS, FOTIS	3,015,864
XIAO, YUEPING	2,979,272
YAMAGUCHI, KOJI	3,017,005
YANAGITA, NORIHITO	3,015,819
YANG, SUNGWOOK	3,017,004
YEUNG, ALLAN W.K.	3,016,945
YOUNG, THOMAS MARK	3,017,297
YOUNIE, ROBERT DOUGLAS	2,979,387
YOURHERE INC.	3,017,055
ZAR, LIOR	3,017,171
ZHANG, QIAN	3,017,085
ZHAO, WENPING	3,013,001
ZHOU, ZIQIANG	2,979,272
ZHU, PANLONG	2,989,275
ZHU, SHAOLONG	3,017,595
ZOABI, AKRAM	3,017,166
ZUDIC, ROBERT	3,017,067

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

2ELMS PTE. LTD.	3,036,210	ALLAN, NICHOLAS DAVID	3,036,334	ASANO, SATOSHI	3,035,740
3M INNOVATIVE PROPERTIES COMPANY	3,035,887	ALLARD, ROCK R., III	3,035,905	ASARI, TSUTOMU	3,035,724
3M INNOVATIVE PROPERTIES COMPANY	3,036,167	ALLERGAN, INC.	3,036,095	ASLIN, NIGEL	3,036,091
3M INNOVATIVE PROPERTIES COMPANY	3,036,238	ALLINGTON, CHRISTOPHER JAMES	3,036,326	ASSA ABLOY OPENING SOLUTIONS SWEDEN AB	3,035,930
8 RIVERS CAPITAL, LLC	3,036,311	ALLPHIN, CLARK PATRICK	3,036,068	ASTETE BOETTCHER, ROBERTO	3,035,979
AARHUS UNIVERSITET	3,035,875	ALTAF, SYED	3,036,053	ASTHANA, PRANAY	3,035,864
ABBVIE BIOTHERAPEUTICS INC.	3,035,932	ALTONEN, GENE MICHAEL	3,035,739	ASTRAZENECA AB	3,036,304
ABELLA, ESTEBAN M.	3,036,384	ALTONEN, GENE MICHAEL	3,035,741	AT&T INTELLECTUAL PROPERTY I, L.P.	3,036,226
ABERGEL, REBECCA J.	3,035,966	ALVARADO, CALEB	3,036,283	ATARA BIOTHERAPEUTICS, INC.	3,035,906
ABIAD, MAURICE	3,036,095	AMANULLAH, MD	3,036,379	ATCHLEY, MICHAEL D.	3,035,758
ABRAHAMSSON, TOBIAS FREDDIE	3,035,861	AMATO, GEORGE S.	3,036,382	ATCHLEY, MICHAEL D.	3,035,762
ABUMRAD, NAJI	3,035,897	AMO DEVELOPMENT, LLC	3,035,977	ATCHLEY, MICHAEL D.	3,035,771
ACCELERON PHARMA INC.	3,036,104	AMO DEVELOPMENT, LLC	3,036,205	ATCHLEY, MICHAEL D.	3,035,907
ACTUANT CORPORATION	3,036,342	AMO WAVEFRONT SCIENCES, LLC	3,035,761	ATCHLEY, MICHAEL D.	3,035,970
ADAMS, KENT	3,036,072	ANANWORANICH, JINTANAT	3,035,759	ATF SERVICES PTY LTD	3,035,805
ADAMSKY, KONSTANTIN	3,036,041	ANASTASIOU, ALEXANDRA	3,035,850	ATOMIC ENERGY OF CANADA LIMITED / ENERGIE ATOMIQUE DU CANADA LIMITEE	3,035,684
ADAPTIMMUNE LIMITED	3,036,309	ANDERSON, MARIE E.	3,036,178	AU, KWOK-KEUNG	3,035,736
ADDITIVE ROCKET CORPORATION	3,035,764	ANDERSON, ROBERT J.	3,036,219	AVERBACK, PAUL	3,036,089
ADDITIVE ROCKET CORPORATION	3,035,767	ANDERSON, WILLIAM	3,036,283	AVEROUS, LUC	3,036,188
ADOLFS, STEFAN	3,036,355	ANDRITZ HYDRO GMBH	3,035,802	AYALA, RAMSES	3,036,251
ADRIANY, KYLE	3,035,764	ANNEXIN PHARMACEUTICALS AB	3,036,298	BABBITT, GUY ROBERT	3,036,283
ADRIANY, KYLE	3,035,767	ANTOLINI LUIGI & C. S.P.A.	3,036,141	BABCOCK, CRAIG	3,036,212
AECOM (DELAWARE CORPORATION)	3,035,672	APPLIED MEDICAL RESOURCES CORPORATION	3,036,192	BACHOVCHIN, WILLIAM W.	3,036,202
AFAR, DANIEL E. H.	3,035,932	ARBUTUS BIOPHARMA CORPORATION	3,036,245	BAI, CHUANSHENG	3,036,380
AFL TELECOMMUNICATIONS LLC	3,036,083	ARCELORMITTAL	3,035,786	BAIN, GRETCHEN	3,036,062
AFTAB, BLAKE TOLU	3,035,906	ARCONIC INC.	3,036,088	BAKER HUGHES, A GE COMPANY, LLC	3,035,750
AGBIOME, INC.	3,035,896	ARCONIC INC.	3,036,088	BAKER HUGHES, A GE COMPANY, LLC	3,035,754
AGIOS PHARMACEUTICALS, INC.	3,036,053	ARDENT LLC	3,035,812	BAKER, JOHN	3,036,348
AGJUNCTION LLC	3,035,842	ARDIFF, HENRY GERARD	3,035,751	BALASUBRAMANIAN, ASWIN	3,035,864
AHARONI, ASAPH	3,036,328	ARENA PACKAGING, LLC	3,036,099	BALESTRA, SIMONE	3,036,366
AIRBUS DEFENCE AND SPACE LIMITED	3,036,303	ARITY INTERNATIONAL LIMITED	3,035,929	BALLMAN, KYLE CHRISTOPHER	3,035,963
AIRWIR, LLC	3,036,372	ARITY INTERNATIONAL LIMITED	3,036,193	BANERJEE, BALARKA	3,035,931
AKAMARA THERAPEUTICS, INC.	3,036,128	ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA	3,035,869	BAOSHAN IRON & STEEL CO., LTD.	3,036,289
AKKARAKARAN, SONY	3,035,911	ARKEMA FRANCE	3,036,255	BAR-NER, NIRA	3,036,134
ALBERT-LUDWIGS- UNIVERSITAT FREIBURG	3,036,292	ARKEMA INC.	3,035,746	BARAUSKAS, JUSTAS	3,036,307
ALBRECHT, JEREMY	3,036,192	ARMATRON SYSTEMS, LLC	3,036,127	BARBULESCU, ION-HORATIU	3,036,088
ALEXANDER, DAVID	3,036,080	ARMSTRONG WORLD INDUSTRIES, INC.	3,036,101	BARDEN, JULIAN ALEXANDER	3,035,835
ALFREDSSON, BENGT-AKE	3,036,214	ARMSTRONG, CHARLES L.	3,036,234	BARLOS, KLEOMENIS	3,035,850
ALFSON, BLAKE L.	3,035,679	ARNOLD, JACOB ANTONY	3,035,795	BARNES, STEPHEN	3,036,323
ALIBEK, KEN	3,036,072	ARNWINE, MATTHEW	3,036,203	BARNUM, ELIZABETH RUTH	3,035,889
ALIBEK, KEN	3,036,343	ARORA, ANUBHAV	3,035,822	BARON, JODY L.	3,036,232
ALLAM, RODNEY JOHN	3,036,311	ARVIDSON, BRIAN DUANE	3,035,751	BAROUCH, DAN	3,035,759
ALLAN, HANNAH J. S.	3,036,238	ASAHI KASEI KABUSHIKI KAISHA	3,035,983	BARRERO, CARLOS A.	3,035,972
				BARTELS, BJOERN	3,035,624

Index of PCT Applications Entering the National Phase

BARTELS, FRANK	3,035,703	BLANCHARD, CORY ONEIL	3,036,339	BROMBERG, ED	3,036,361
BARTON, RUPERT	3,035,638	BLANCHER, GUILLAUME		BROOKHUIS, RAINIER	
BASF SE	3,035,621	JEAN RAYMOND	3,035,980	ANTONIUS HERMANUS	3,035,957
BASF SE	3,036,360	BLIN, PATRICK	3,036,237	BROWN, ANDRE D.	3,036,354
BATISITE, MICHAEL	3,036,303	BLOCK, PHILIP	3,035,736	BROWN, JOHN	3,036,339
BATTELLE MEMORIAL		BLOCKS ROCK LLC	3,036,348	BROWN, MICHAEL ALVIN	3,035,596
INSTITUTE	3,035,818	BLUE ECLIPSE, LLC	3,035,657	BROWNE, DAMIAN	3,035,784
BAUCKE, GUIDO	3,035,682	BLUE SOLUTIONS	3,036,330	BROWY, ERIC	3,036,208
BAUDOUIIN, STANISLAS	3,035,841	BLY IP, INC.	3,035,978	BRUBAKER, CHRISTOPHER L.	3,035,916
BAUER SPEZIALTIEFBAU		BNNT, LLC	3,036,100	BRUCE, DAVID ROBERT	3,036,285
GMBH	3,035,986	BOARD OF REGENTS, THE		BRUCE, IAN	3,036,116
BAUER, HANS-PETER	3,036,144	UNIVERSITY OF TEXAS		BRUNHUBER, CHRISTIAN	3,035,696
BAUER, HANS-PETER	3,036,145	SYSTEM	3,035,743	BUCHANAN, LEE	3,035,922
BAUMGARTNER, JOHANN	3,036,109	BOARD OF REGENTS, THE		BUCHHORN, TOMAS	3,036,219
BAYAT, EYCE	3,035,767	UNIVERSITY OF TEXAS		BUCK, HARVEY	3,035,874
BAYAT, ELYCE	3,035,764	SYSTEM	3,036,376	BUDGE, TREVOR	3,035,679
BAYER		BOCHENKO, ANDREW	3,036,266	BUDGE, TREVOR	3,035,821
AKTIENGESELLSCHAFT	3,036,290	BOCOBZA, SAMUEL	3,036,328	BULUGIOIU, RAZVAN	3,036,359
BAYER CROPSCIENCE		BOD-JET GLOBAL LIMITED	3,035,707	BURCHARD, THOMAS	3,036,144
AKTIENGESELLSCHAFT	3,036,290	BODURKA, ALEX	3,035,765	BURCHARD, THOMAS	3,036,145
BEATTIE, ZACHARY TODD	3,035,795	BOEHRINGER INGELHEIM		BURKETT, ALAN DUNCAN	3,036,070
BEATY, TERRY A.	3,035,874	INTERNATIONAL GMBH	3,035,958	BURKHARD, RYAN ANDREW	3,035,963
BEAUCHESNE, PASCAL	3,035,829	BOEHRINGER INGELHEIM		BURKHARD, RYAN ANDREW	3,035,965
BECERRA, MATTHEW	3,036,192	VETMEDICA GMBH	3,036,291	BURKHARD, RYAN ANDREW	3,036,076
BECTON, DICKINSON AND		BOEHRINGER INGELHEIM		BURNS, BRIAN MATTHEW	3,035,739
COMPANY	3,035,780	VETMEDICA GMBH	3,036,293	BURNS, BRIAN MATTHEW	3,035,741
BEESTRIPE LLC	3,036,007	BOEHRINGER INGELHEIM		BURNS, JACK D.	3,035,964
BEIJING HANMI		VETMEDICA GMBH	3,036,310	BURNSIDE, SCOTT	3,036,053
PHARMACEUTICAL CO.,		BOEHRINGER INGELHEIM		BUROV, VLADIMIR	
LTD.	3,035,681	VETMEDICA GMBH	3,036,386	NIKOLAEVICH	3,035,884
BELL, PAUL A.	3,036,347	BOETTCHER, WILLIAM	3,036,383	BURY, RAFAEL	3,035,756
BELYAVIN, ALEKSANDR		BOIKO, VLADIMIR		BUSBY, JEFF	3,036,069
FYODOROVICH	3,036,261	(DECEASED)	3,036,217	BUSSCHER, HENDRIK JAN	3,035,957
BENCZ, ELIAS	3,036,120	BOISSAVIT, JEAN-SERGE	3,036,135	BUTLER, DAVID	3,036,264
BENDIX COMMERCIAL		BOLD, PETER	3,036,304	CACCIATORE, JUSTIN	
VEHICLE SYSTEMS LLC	3,035,916	BOLT THREADS, INC.	3,035,839	THOMAS	3,036,076
BENJAMIN, SELDON DAVID	3,036,228	BOMBARDIER INC.	3,035,934	CALHOUN, MICHAEL	3,035,782
BENNETT, TIMOTHY J.	3,035,732	BOOMER, KENT	3,036,069	CALZONE, FRANK J	3,036,273
BENTOUMI, GHAOUTI	3,035,684	BORCHERS, BRYAN-CODY	3,036,039	CAMURUS AB	3,036,307
BERGGREN, MAGNUS	3,035,861	BORER, VICTOR J.	3,036,308	CANADA PROSPER APPAREL	
BERHALTER AG	3,036,140	BORJESSON, ULF	3,036,304	LTD.	3,036,270
BERKVENNS-MATTHIJSSE,		BORZILLO, ANTHONY DALE	3,035,901	CANADY, CHEFFREN	3,035,656
SVEN	3,035,848	BOSTON SCIENTIFIC		CANADY, JEROME	3,035,656
BERLET, GREGORY CHARLES	3,036,219	NEUROMODULATION		CANDELARIA, ADRIAN BEAU	3,036,331
BERNARDI, DAVI	3,036,120	CORPORATION	3,036,185	CANDELAS, GUSTAVO	3,035,623
BERNHARDT, JEAN-MARC	3,035,849	BOTTO, JEAN-MARIE	3,035,893	CANTAB	
BERNIER, DAVID	3,036,290	BOURNIVAL, CHRISTIANNE	3,036,371	BIOPHARMACEUTICALS	
BERRY, DAVID ARTHUR	3,035,910	BOYD, BROOKS M.	3,035,832	PATENTS LIMITED	3,036,111
BESSENET, SEBASTIEN	3,035,969	BOYD, MATT	3,036,069	CANTRELL, ROBERT L.	3,035,758
BETCHER, BENJAMIN J.	3,035,919	BP CORPORATION NORTH		CANTRELL, ROBERT L.	3,035,762
BETH ISRAEL DEACONES		AMERICA INC.	3,035,779	CANTRELL, ROBERT L.	3,035,771
MEDICAL CENTER, INC.	3,035,759	BP P.L.C.	3,035,725	CANTRELL, ROBERT L.	3,035,907
BHAT, SREENIVAS S.	3,036,053	BRADBURY, JONATHAN	3,036,110	CANTRELL, ROBERT L.	3,035,970
BIASI, PIERDOMENICO	3,036,357	BRADBURY, JONATHAN	3,036,122	CAO, JIANHUA	3,036,114
BIERMANN, MITCH JAMES	3,036,233	BRADBURY, JONATHAN	3,036,123	CAPECI, SCOTT WILLIAM	3,036,076
BIGFOOT BIOMEDICAL, INC.	3,036,266	BRADBURY, JONATHAN	3,036,125	CAPILA, PRIYA	3,036,356
BILLMAN, BRADLEY SCOTT	3,035,745	BRADY, EAMON	3,035,706	CARGILL, EDWARD J.	3,036,234
BINDSCHEDLER, PIERRE		BRESLAUER, DAVID	3,035,839	CARLOUGH, STEVEN	3,036,122
ETIENNE	3,036,188	BRILL, MARCEL	3,036,360	CARLOUGH, STEVEN	3,036,123
BIO-CHEM FLUIDICS, INC.	3,036,359	BRISTOL-MYERS SQUIBB		CARTER, STEVEN P.	3,036,354
BIOIMMUNIZER SA	3,035,711	COMPANY	3,035,697	CASALE SA	3,036,357
BIOSEPTRE (UK) LIMITED	3,035,835	BRODFUEHRER, PAUL	3,035,912	CASCADE DESIGNS, INC.	3,035,691
BIRAN, DANIEL	3,036,034	BROGGER, CARSTEN		CASEY, BRENDAN	3,035,706
BISCHOF, ROBERT	3,035,981	NYGAARD	3,035,692	CASTAGNOLI, JOAO PAULO	3,035,908

Index des demandes PCT entrant en phase nationale

CASTILLO GARCIA, ADRIAN	3,035,701	CLARK EQUIPMENT		DAIICHI SANKYO COMPANY,	
CASTO, ALLISON PATRICIA	3,035,980	COMPANY	3,035,772	LIMITED	3,035,860
CATE, CASPARUS	3,035,765	CLARKE, DANIEL JOHN	3,036,112	DAIICHI SANKYO COMPANY,	
CATERINO, MARK A.	3,036,212	CLARKE, JASON PETER	3,036,112	LIMITED	3,036,350
CATERPILLAR INC.	3,035,737	CLAUSI, ROBERT N.	3,035,918	DALEY, GEORGE Q.	3,035,660
CATERPILLAR, INC.	3,035,732	CLIPFORT, LTD.	3,036,034	DANESI, SILVIO	3,035,933
CC3D LLC	3,035,679	COAD, JOSIAH D.	3,035,679	DANI, BHAS	3,036,095
CC3D LLC	3,035,821	COATEX	3,036,254	DAS, ASIT KUMAR	3,036,333
CECCHI, FABIOLA	3,036,198	COHEN, DREW	3,036,283	DATASHVILL, TEA	3,035,780
CELGENE CORPORATION	3,036,053	COHEN, MOSHIK	3,035,715	DATTA, PAYEL	3,035,912
CELL IDEAS PTY LTD	3,035,931	COHEN, SHMUEL	3,036,154	DAUBNER, MARCUS	3,035,986
CENTEN, PETRUS		COLE, ANDREW G.	3,036,245	DAUGHENBAUGH, RANDY E.	3,035,760
GIJSBERTUS	3,035,924	COLELLA, PASQUALINA	3,036,368	DAVE, JALPAN PIYUSH	3,035,864
CENTEN, PETRUS		COMMSCOPE		DAVIDSON, BEVERLY L.	3,035,628
GIJSBERTUS	3,035,942	TECHNOLOGIES LLC	3,035,745	DAVIS, BRIAN KEITH	3,035,596
CENTEN, PETRUS		CONTRERAS ESPADA, JESUS	3,035,802	DAVIS, GREGORY A.	3,035,751
GIJSBERTUS	3,035,946	CONTRERAS, ELIZABETH Q.	3,036,377	DAVIS, W. HODGES	3,036,219
CENTRE NATIONAL DE LA		CONTROL CONCEPTS, INC.	3,035,742	DAWSON, TED M.	3,035,757
RECHERCHE		COOPER, JONATHAN CRAIG	3,035,811	DAWSON, VALINA L.	3,035,757
SCIENTIFIQUE	3,036,188	COOPERVISON		DE JESUS, LEYDYS DENISS	3,036,070
CHAMPAGNE, CLEMENTINE	3,036,254	INTERNATIONAL		DE NORA PERMELEC LTD	3,036,352
CHANG, YA-HSUAN	3,036,388	HOLDING COMPANY, LP	3,036,116	DEBINA DIAGNOSTICS, INC.	3,036,051
CHAO, CHIH-YUAN	3,036,388	COPELAND, REID	3,036,110	DEEPMIND TECHNOLOGIES	
CHARGIN, AMANDA NOEL	3,036,278	COPELAND, REID	3,036,122	LIMITED	3,036,067
CHARLTON, ERIK ALLEN	3,036,057	COPELAND, REID	3,036,123	DEFAZIO, MICHAEL JOSEPH	3,036,270
CHARLTON, ERIK ALLEN	3,036,061	COPELAND, REID	3,036,125	DEHON, GWENAEL	3,036,299
CHARLTON, STEPHEN JOHN	3,036,283	COPLAND, RICHARD J.	3,035,761	DELBRIDGE, EWAN E.	3,036,236
CHATTORAJ, MITA	3,035,789	COQUERON, PIERRE-YVES	3,036,290	DENSO CORPORATION	3,036,344
CHAUDHARY, BHARAT I.	3,035,961	CORBIN RUSSWIN, INC.	3,035,844	DENTON, RYAN	3,036,361
CHEMICAL &		CORMIER, ANTHONY	3,036,232	DEPOND, JEAN-MICHEL	3,036,330
BIOPHARMACEUTICAL		CORNELL UNIVERSITY	3,036,093	DEPUY SYNTHES PRODUCTS,	
LABORATORIES OF		CORNING RESEARCH &		INC.	3,035,894
PATRAS S.A.	3,035,850	DEVELOPMENT		DEPUY SYNTHES PRODUCTS,	
CHEN, BIJIAN	3,035,677	CORPORATION	3,036,308	INC.	3,036,229
CHEN, KEVIN X.	3,035,680	CORNING RESEARCH AND		DEPUY SYNTHES PRODUCTS,	
CHEN, LI	3,036,205	DEVELOPMENT		INC.	3,036,231
CHEN, SHUHUI	3,035,680	CORPORATION	3,036,070	DER GRUNE PUNKT -	
CHEN, TIFFANY	3,035,923	COSMESCU, IOAN	3,036,084	DUALES SYSTEM	
CHEN, WANSHI	3,035,797	COTTRELL, LEE	3,035,827	DEUTSCHLAND GMBH	3,036,039
CHEN, XIAOXIN	3,035,680	COTTRELL, LEE	3,035,828	DERN, CHARLES D.	3,036,107
CHEN, XINCHUAN	3,024,968	COUGHLIN, EDWARD BRYAN	3,035,780	DERN, CHARLES D.	3,036,200
CHEN, XINDONG	3,024,968	COUGHLIN, ROBERT	3,036,229	DESBOROUGH, LANE	3,036,266
CHEN, XUXING	3,036,114	COUPLER SOLUTIONS		DESHPANDE, SACHIN G.	3,035,658
CHEN, YI	3,036,114	LIMITED	3,036,326	DEVMAR PRODUCTS, LLC	3,035,898
CHEN, YUEXI	3,035,663	COUSSONNET, LAURENT	3,035,833	DHANDAPANI, RAHUL	3,035,807
CHENG, LIMIN	3,035,712	COVENTRY UNIVERSITY	3,036,006	DHIMAN, RAJEEV	3,035,887
CHENG, YIFAN	3,036,232	CROWLEY, MARK	3,036,088	DI MONDO, DOMENIC	3,036,136
CHENG, YING	3,035,989	CUBISON, MIKE	3,036,058	DI PAOLO, JULIE A.	3,036,384
CHENG, YUN-XING	3,035,712	CUENI, PHILIPP	3,035,624	DIEHL, ANDREW KARL	3,036,326
CHERNYAK, DIMITRI	3,036,205	CULOT, DOMINIQUE	3,036,367	DIELEMAN, SANDER	
CHEUNG, ANN CLAIRE LIM		CUROGENE LIFE SCIENCES		ETIENNE LEA	3,036,067
CHI	3,036,061	CO., LTD	3,035,675	DIETRICH, ARMIN	3,035,682
CHIANG, DORA (SHEAU-YUN)	3,035,672	CUTISPHARMA, INC.	3,036,356	DIFLAVIO, JOHN-LOUIS	3,036,236
CHIANG, KUN-CHI	3,036,391	CUTLER, JOSHUA I.	3,036,380	DILLON, JOHN	3,036,142
CHILDERS, WAYNE E.	3,035,972	CYTEC INDUSTRIES INC.	3,036,178	DILORETO, SALVATORE	
CHILKO, MICHAEL	3,036,088	D'AGOSTINO, MARK JOHN	3,035,777	ANTHONY	3,035,918
CHIRIAC, DANIEL	3,035,790	D'AGOSTINO, MARK JOHN	3,035,974	DING, JIAN	3,036,114
CHOI, TAYLOR A.	3,035,966	D'AGOSTINO, SCOTT JOSEPH	3,035,777	DINI, FABRIZIO	3,036,366
CHRONO THERAPEUTICS		D'AGOSTINO, SCOTT JOSEPH	3,035,974	DIOP, SEYDOU	3,036,331
INC.	3,035,822	D'AMICO, DONALD J.	3,036,093	DIXON, TYLER	3,036,072
CHUPRETA, SERGEY	3,035,698	DAGGUPATI, SATEESH	3,036,333	DJO, LLC	3,036,219
CLARIANT INTERNATIONAL		DAGHER, HABIB J.	3,035,752	DOI, TOSHIO	3,036,256
LTD	3,035,981	DAHAN, TAL	3,036,328	DOLADO, IGNACIO	3,036,301
		DAHMEN, PETER	3,036,290		

Index of PCT Applications Entering the National Phase

DOMINGUEZ SANCHEZ, RUBEN	3,035,701	ELLINGSON, JOHN	3,035,921	FEDERAL EXPRESS CORPORATION	3,035,783
DOMLOGE, NOUHA	3,035,893	ELMARAGHY, CHARLES ALBERT	3,035,763	FEDERMAN, DANIEL	3,035,968
DOMTAR PAPER COMPANY, LLC	3,036,131	ELSENTRIENCY, HASSAN	3,035,869	FEHER, ANDRAS	3,035,647
DONALD DANFORTH PLANT SCIENCE CENTER	3,035,914	EMERGO THERAPEUTICS, INC.	3,036,230	FEMTONICS KFT	3,035,647
DONG, FENGGAO	3,036,234	EMPRENDING BUSINESS	3,035,708	FERRERI, ARNAUD NICOLAS	3,035,889
DONG, LI	3,035,951	ENDLER, PAUL	3,036,066	FETVEDT, JEREMY ERON	3,036,311
DORDICK, JONATHAN	3,035,912	ENDRESS+HAUSER FLOWTEC AG	3,035,992	FEUERSTEIN, GIORA Z.	3,036,051
DORSHORST, CHRISTINE	3,036,204	ENERGYFRONT INC	3,035,863	FGH BIOTECH, INC.	3,036,195
DOTA, KOICHIRO	3,036,018	ENFANT TERRIBLE DESIGN AB	3,036,282	FIEDLER, ULRIKE	3,036,301
DOUAISI, MARC	3,035,912	ENGBLOM, JOHAN	3,036,306	FIELDHOUSE, ADAM	3,036,116
DOW GLOBAL TECHNOLOGIES LLC	3,035,961	ENGLISH, JASON	3,035,779	FIETEN, BRAM	3,035,957
DOW GLOBAL TECHNOLOGIES LLC	3,036,390	ENGLUND, MARK ANDREW	3,036,133	FIKES, ELIZABETH MARIE	3,035,963
DOW SILICONES CORPORATION	3,036,367	ENTESELLUS MEDICAL, INC.	3,036,179	FIKES, ELIZABETH MARIE	3,035,965
DOWDY, CLIFF	3,036,179	EQUINOR ENERGY AS	3,035,716	FILIPPOV, ALEKSEY VLADISLAVOVICH	3,036,261
DRAGER, TOBIAS	3,035,699	EQUINOR ENERGY AS	3,035,815	FINE, DAVID H.	3,036,361
DRAGOMIRESCU, EMIL-DAN	3,036,098	ERICSON, JOHN	3,036,369	FISHER CONTROLS INTERNATIONAL LLC	3,035,984
DRAHM, WOLFGANG	3,035,992	ERIKSSON, PER OLA	3,036,091	FISHER, ABRAHAM	3,036,134
DRESSEL, STEFAN	3,035,682	ERIKSSON, PER OLA	3,036,091	FISHER, MARC KEVIN	3,035,777
DREUX, PETER C.	3,035,961	ESENALIEV, RINAT O.	3,036,376	FISHER, MARC KEVIN	3,035,974
DRIESSE, MARIANNE	3,035,957	ESKILDSEN, JORN	3,035,699	FITBIT, INC.	3,035,795
DRLIK, MARK SASHA	3,036,364	ESPOSITO, MATTEO	3,036,366	FLAGSHIP PIONEERING, INC.	3,035,910
DUBIEF, FLAVIEN	3,036,371	ESQUEU VINOLES, DAVID	3,035,744	FLEISCHEL, OLIVIER	3,036,360
DUCROT, VIRGINIE PASCALE	3,036,290	ESSEGHIR, MOHAMED	3,036,390	FLYNN, CHARLES	3,035,897
DUFILS, PIERRE-EMMANUEL	3,035,923	ESSIG, GARTH FREDRIC, JR.	3,035,763	FOECKLER, PHILIP	3,035,795
DUKE UNIVERSITY	3,035,859	ESSILOR INTERNATIONAL	3,036,097	FOFONOFF, TIMOTHY A.	3,035,928
DUKE, COLIN CHARLES	3,035,943	EUROPEAN MOLECULAR BIOLOGY LABORATORY	3,035,807	FOLEY, PATRICK	3,036,092
DUKE, RUJEE KYOKAJEE	3,035,943	EVANS, COLLEN E.	3,036,079	FORREST, BROCK ALAN	3,036,311
DUMETZ, ANDRE C.	3,035,853	EVANS, DAVID	3,036,283	FORSTNER, INGO	3,035,754
DUMITRU, MIRCEA	3,035,737	EVANS, JILLIAN FRANCES	3,036,062	FORTOLOCZKI, PETER E.	3,036,211
DUNN, RYAN C.	3,036,347	EVERSON, DAN	3,035,809	FOS4X GMBH	3,035,843
DUNST, WOLFGANG	3,036,268	EXIMIS SURGICAL, LLC	3,036,284	FOS4X GMBH	3,035,871
DUPONT, ERIC	3,036,148	EXPRESSION PATHOLOGY, INC.	3,036,198	FOS4X GMBH	3,036,305
DURAND, FABIEN	3,035,849	EXXONMOBIL CHEMICAL PATENTS INC.	3,036,380	FOSSATI, GIACOMO	3,035,958
DURO HILEX POLY, LLC	3,035,568	EYSTER, PERRY	3,035,940	FRAHLING, HENRICK	3,035,688
DUSHATINSKI, THOMAS G.	3,036,100	F. HOFFMANN-LA ROCHE AG	3,035,624	FRAIWAN, ARWA	3,036,207
DUSTERHOFT, RONALD GLEN	3,035,831	F. HOFFMANN-LA ROCHE AG	3,035,712	FRANCESCHIN, GIADA	3,036,357
DUSTERHOFT, RONALD GLEN	3,036,129	F. HOFFMANN-LA ROCHE AG	3,035,874	FRANCO, JEFF	3,035,782
DUTHIE, MALCOLM S.	3,036,218	F. HOFFMANN-LA ROCHE AG	3,036,119	FRANTZ, WILLIAM H.	3,036,101
DUVAL, CHARLES	3,035,841	FABRE, HUBERT JEAN MARIE	3,036,137	FRASER, RORY	3,035,638
DUVALL, STACY HUNT	3,035,874	FADERO, TANNER CHRISTIAN	3,035,788	FRAUNHOFER- GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	3,035,699
EAS IP, LLC	3,036,347	FAGERLUND, PERTTU	3,035,793	FREDERICK, RAPHAEL	3,036,299
EASTERBROOK, WILLIAM	3,036,359	FAHY, BRIAN	3,035,706	FREIE UNIVERSITAT BERLIN	3,032,871
EBERLIN, LIVIA SCHIAVINATO	3,035,743	FALK, KEITH R.	3,036,374	FRENNESSON, DAVID B.	3,035,697
ECHONOUS, INC.	3,035,915	FALLIN, KEN	3,036,356	FRITZ RUCK OPHTHALMOLOGISCHE SYSTEME GMBH	3,036,004
ECHTER, NICHOLAS PAUL	3,036,283	FAN, QIAN	3,035,998	FROMENT, MARION	3,036,281
ECOLAB USA INC.	3,035,789	FAN, QIAN	3,036,002	FTF PHARMA PRIVATE LIMITED	3,036,011
ECOLE SUPERIEURE DE PHYSIQUE ET DE CHIMIE INDUSTRIELLES DE LA VILLE DE PARIS	3,031,543	FAN, SIMON	3,036,285	FU, HONG	3,035,977
EDDY, DALE	3,036,083	FARFEL, GAIL	3,035,832	FU, JIANGBIAO	3,035,677
ELC MANAGEMENT LLC	3,035,893	FARMER AUTOMATIC GMBH & CO. KG	3,035,688	FU, LI	3,035,912
ELECTRO SCAN, INC.	3,035,768	FARMER, SEAN	3,036,072	FUCHS, ROBERT	3,036,284
ELEN, RAF	3,035,985	FARMER, SEAN	3,036,343	FUJII, KOUJI	3,035,954
ELIA, CHRISTINE N.	3,036,380	FATTAL, DAVID A.	3,035,787	FUJITA, NORITOSHI	3,035,845
		FATTAL, DAVID A.	3,035,799	FUJITA, SHO	3,036,352
		FATTAL, DAVID A.	3,035,801	FUJIWARA, DAISUKE	3,036,197
		FAVERO, CEDRICK	3,036,253		
		FAVERO, ROSS	3,035,666		

Index des demandes PCT entrant en phase nationale

FUKUSHIGE, TAKASHI	3,035,856	GINESTA BUCH, XAVIER	3,035,701	GUO, BINBIN	3,036,236
FULCRUM UAV		GIVAUDAN SA	3,035,980	GUPTA, AMAR	3,036,119
TECHNOLOGY INC.	3,036,112	GLASS, ERIC NELSON	3,035,666	GUPTA, MRINALI PATEL	3,036,093
FURTWENGLER, PIERRE	3,036,188	GLAXOSMITHKLINE		GURCAN, METIN NAFI	3,035,763
FURLAND, LISA	3,036,282	INTELLECTUAL		GURJAR, LALCHAND	
FUSO PHARMACEUTICAL		PROPERTY		DATARAM	3,036,011
INDUSTRIES, LTD.	3,036,256	DEVELOPMENT LIMITED	3,035,853	GURKAN, UMUT ATAKAN	3,036,186
FYKE, STEVEN HENRY	3,036,270	GLENCORE TECHNOLOGY		GURKAN, UMUT ATAKAN	3,036,207
GAAL, PETER	3,035,797	PTY LIMITED	3,036,091	GUSEK, RONALD WILLIAM	3,035,974
GABBAY, RONEN	3,036,151	GLYCOLOGIX, LLC	3,035,659	GUSTAFSEN, CAMILLA	3,035,875
GABRIELSSON, ROGER	3,035,861	GOERTZ, HARVEY M.	3,035,769	GUTIERREZ, GABRIEL M.	3,036,251
GADON, EDNA	3,036,156	GOKLEN, KENT E.	3,035,853	GUVELIOGLU, GALIP	3,035,873
GALAN, DAVID DE-CASTRO	3,036,303	GOLDSCHMIDTBOING,		GVBB HOLDINGS, S.A.R.L.	3,035,920
GALEN, PETER	3,036,186	FRANK	3,036,292	GVBB HOLDINGS, S.A.R.L.	3,035,922
GALEN, PETER	3,036,207	GONDRAND, CECILE	3,035,849	GVBB HOLDINGS, S.A.R.L.	3,035,924
GALER, BRADLEY S.	3,035,832	GONG, XIAOJUAN	3,035,835	GVBB HOLDINGS, S.A.R.L.	3,035,926
GALILI, BEN	3,036,156	GONG, YONGHUA	3,036,390	GVBB HOLDINGS, S.A.R.L.	3,035,938
GALLEI, ANDREAS	3,036,291	GONIN, MARC	3,036,058	GVBB HOLDINGS, S.A.R.L.	3,035,942
GALLEI, ANDREAS	3,036,293	GOODACRE, SIMON		GVBB HOLDINGS, S.A.R.L.	3,035,946
GALLEI, ANDREAS	3,036,310	CHARLES	3,035,712	HA, HENGXU	3,036,120
GALLEI, ANDREAS	3,036,386	GOODMAN, DANIEL	3,036,094	HACKETT, CRAIG	3,035,779
GAMAUF, CHRISTIAN	3,035,981	GOOGLE LLC	3,036,054	HAGGAR, JONATHAN V.	3,036,308
GAMERO, LUCAS	3,036,361	GORTZ, ANDREAS	3,036,290	HAHM, HEUNG SIK	3,032,871
GAMMAITONI, ARNOLD	3,035,832	GOULD, RICHARD	3,036,389	HAKONARSON, HAKON	3,035,971
GARCIA DE LA PENNA		GRABIE, VERONIQUE	3,035,849	HALL, AARON G.	3,035,742
RAZQUIN, EMMANUEL	3,035,708	GRABOWSKI, MARK	3,035,768	HALLIBURTON ENERGY	
GARCIA DE LA RIVA		GRANGER, JEAN FRANCOIS	3,036,357	SERVICES, INC.	3,035,831
MESTRE, PABLO	3,035,701	GRANITZ, MICHAEL	3,036,074	HALLIBURTON ENERGY	
GARIBI, ALBERTO	3,035,736	GRANT-YOUNG, KATHARINE		SERVICES, INC.	3,035,834
GARLAND, ANDREW CARLOS	3,036,364	A.	3,035,697	HALLIBURTON ENERGY	
GARRETT, NICHOLAS	3,035,767	GRAY, MATTHEW RYAN	3,035,834	SERVICES, INC.	3,035,864
GASKIN, THOMAS K.	3,035,873	GREENMANTRA RECYCLING		HALLIBURTON ENERGY	
GATOS, DIMITRIOS	3,035,850	TECHNOLOGIES LTD.	3,036,136	SERVICES, INC.	3,035,867
GB005, INC.	3,036,346	GREGG, WILLIAM N.	3,036,284	HALLIBURTON ENERGY	
GE AVIATION SYSTEMS		GREINER, DAN	3,036,108	SERVICES, INC.	3,036,129
LIMITED	3,036,113	GREINER, DAN	3,036,118	HALLIBURTON ENERGY	
GEBKE, KEVIN J.	3,035,838	GRIFFIN, JASON TYLER	3,036,270	SERVICES, INC.	3,036,227
GELMAN, BARRY	3,036,361	GRIFFIN, MICHAEL E.	3,035,887	HALLIBURTON ENERGY	
GENERAL ELECTRIC		GRILLENBERGER, RALF	3,036,306	SERVICES, INC.	3,036,228
TECHNOLOGY GMBH	3,036,120	GRIMBERG, BRIAN T.	3,036,186	HAMAMA, INC.	3,036,094
GENETHON	3,035,859	GRIMBERG, BRIAN T.	3,036,207	HAMAMOTO, TAKAYUKI	3,036,121
GENETHON	3,035,868	GRINBERG, ASYA	3,036,104	HAMAMOTO, TAKAYUKI	3,036,335
GENETHON	3,036,368	GROVER, NAVDEEP	3,035,912	HAMED, SAHER	3,035,830
GENG, MEIYU	3,036,114	GRUMSTRUP, BRUCE F.	3,035,984	HAMPRECHT, DIETER	
GEOMECH ENGINEERING LTD	3,035,644	GRUPP, DANIEL E.	3,036,186	WOLFGANG	3,035,958
GERDES, GERD	3,035,836	GRUPP, DANIEL E.	3,036,207	HAMPTON, JESSE CLAY	3,035,831
GERSHUNOVSKY, MICHAEL	3,035,968	GU, CHONG-HUI	3,036,053	HAN, SANG-OH	3,035,859
GERVASIO, DOMINIC	3,035,869	GUANGDONG JINGTAI		HANDY, PETER JAMES	3,036,113
GFC DIAGNOSTICS LTD.	3,035,847	TECHNOLOGY CO., LTD.	3,024,968	HANFELD, ANDREA	3,036,138
GHARAGOZLOO, MAHMOOD	3,036,248	GUANGDONG MIDEA		HANNES, RALF	3,035,865
GHOREYSHI, ATIYEH	3,035,795	CONSUMER ELECTRICS		HANSEN, CHARLES A.	3,035,768
GHOSH-DASTIDAR, ABHIJIT	3,035,961	MANUFACTURING CO.,		HANSON, H. KENNETH, III	3,035,739
GIBSON, JAMES GRAY	3,036,326	LTD.	3,035,998	HANSON, H. KENNETH, III	3,035,741
GIEHM, LISE	3,035,958	GUANGDONG MIDEA		HARADA, SHIRO	3,036,162
GIESECKE+DEVRIENT		CONSUMER ELECTRICS		HARDING, FIONA A.	3,035,932
CURRENCY		MANUFACTURING CO.,		HARRIS, WILLIAM	3,035,638
TECHNOLOGY GMBH	3,035,917	LTD.	3,036,002	HARRISON, SCOTT	3,036,203
GILDERSLEEVE, RICHARD E.	3,036,219	GUANGDONG RAYNOVENT		HARRISON, WILLIAM	3,036,080
GILEAD SCIENCES, INC.	3,036,384	BIOTECH CO., LTD.	3,035,680	HARTMANN, BILL	3,036,288
GILES, BRIAN C.	3,036,127	GUMA, JARRETT	3,035,844	HARTMANN, MARKUS	3,035,699
GILLESPIE, BRUCE ROME	3,036,105	GUMP, LAURA	3,035,903	HASAN, MUHAMMAD	
GILLESPIE, MARGARET		GUNTERMANN, JAMES A.	3,035,944	NOMAN	3,036,207
FORSYTH	3,036,105	GUNTHER, BERNHARD	3,036,297	HASHIGUCHI, TEPPEI	3,035,714
GILVARRY, MICHAEL	3,035,706	GUNTHER, BERNHARD	3,036,313	HASHIGUCHI, TEPPEI	3,035,858

Index of PCT Applications Entering the National Phase

HAWKINS, WALTER	3,035,898	HONEYWELL		INCYTE CORPORATION	3,036,358
HAYAKAWA, YASUHISA	3,035,719	INTERNATIONAL INC.	3,035,751	INDEX SYSTEMS, LLC	3,035,666
HAYAKAWA, YASUHISA	3,035,870	HONG, BRIAN	3,036,192	INDUSTRIAS I NASSJO	
HAYAKAWA, YASUHISA	3,035,879	HOOPER, BILL	3,036,088	AKTIEBOLAG	3,036,214
HAZAN, ZADIK	3,036,041	HOOTEN, W. MICHAEL	3,035,822	INFECTIOUS DISEASE	
HE, QING	3,035,898	HOPKINS, TIMOTHY	3,036,192	RESEARCH INSTITUTE	3,036,218
HEIM, FRANK	3,035,838	HORIMOTO, TAKAYUKI	3,036,073	INFOSCI, LLC	3,035,921
HEIMRIETHER, ALEXANDER	3,035,958	HORNIG, ANDREAS	3,035,902	INGBER, DONALD E.	3,036,378
HELLOT, JEREMY	3,036,137	HOROBA, GUIDO	3,035,992	INGENICO GROUP	3,036,281
HELLRING, STUART D.	3,035,760	HOTTER CORRIPIO, MARIA		INGRAM, JEFFREY K.	3,036,223
HEMBROUGH, TODD	3,036,198	GEORGINA	3,035,701	INNOVATIVE	
HEMEX HEALTH, INC.	3,036,186	HOU, CHANGJUN	3,036,289	ENVIRONMENTAL	
HEMEX HEALTH, INC.	3,036,207	HOYT, JOSHUA KING	3,036,186	COMPANIES	3,035,898
HENDRICKSON USA, L.L.C.	3,035,944	HOYT, JOSHUA KING	3,036,207	INOUE, YUICHI	3,035,983
HENEGHAN, CONOR JOSEPH	3,035,795	HSIEH, WANYUN	3,036,369	INSERM (INSTITUT	
HENKES, HANS	3,035,865	HSU, CHRISTOPHER	3,036,375	NATIONAL DE LA SANTE	
HENLEY, JOSHUA DAVID	3,036,070	HSU, CHRISTOPHER	3,036,387	ET DE LA RECHERCHE	
HENRY M. JACKSON		HU, DI	3,035,951	MEDICALE)	3,035,868
FOUNDATION FOR THE		HUA, RONGBAO	3,035,712	INST OF RADIATION	
ADVANCEMENT OF		HUANG, HENRY	3,036,359	MEDICINE CHINESE	
MILITARY MEDICINE,		HUANG, TING-YU	3,036,391	ACAD OF MEDICAL	
INC.	3,035,759	HUAZHONG UNIVERSITY OF		SCIENCES	3,035,989
HENRY, WILLIAM	3,036,111	SCIENCE AND		INTAS PHARMACEUTICALS	
HEPPENSTALL, PAUL	3,035,807	TECHNOLOGY	3,036,033	LTD.	3,036,316
HERAEUS DEUTSCHLAND		HUBBELL INCORPORATED	3,035,901	INTERDIGITAL PATENT	
GMBH & CO. KG	3,036,075	HUBBELL INCORPORATED	3,036,331	HOLDINGS, INC.	3,035,973
HERAEUS NOBLELIGHT		HUBER, GREGOR	3,035,621	INTERNATIONAL BUSINESS	
AMERICA LLC	3,036,248	HUBIT GENOMIX, INC.	3,036,256	MACHINES	
HERAEUS PRECIOUS METALS		HUE.AI, LLC	3,035,431	CORPORATION	3,036,108
NORTH AMERICA LLC.	3,036,075	HUFF, JOEL	3,036,195	INTERNATIONAL BUSINESS	
HERBST, HEINZ	3,035,621	HUISMAN, MAXIMILAAN	3,035,810	MACHINES	
HERITAGE RESEARCH		HULKA, SAMUEL D.	3,035,756	CORPORATION	3,036,110
GROUP, LLC	3,035,940	HUNG, CHENG-HUNG	3,035,760	INTERNATIONAL BUSINESS	
HERMANUTZ, FRANK	3,036,360	HUNTER, IAN W.	3,035,928	MACHINES	
HERMEL-DAVIDOCK,		HUNTSMAN		CORPORATION	3,036,118
THERESA	3,035,780	INTERNATIONAL LLC	3,035,985	INTERNATIONAL BUSINESS	
HERWECK, DANA	3,036,372	HURLEY, FIONN	3,036,071	MACHINES	
HERWECK, STEVE A.	3,036,372	HUSKY INJECTION MOLDING		CORPORATION	3,036,122
HEWAWASAM, PIYASENA	3,035,697	SYSTEMS LTD.	3,036,277	INTERNATIONAL BUSINESS	
HEYDE, MICHAEL	3,036,039	HUTCHINSON, JOHN		MACHINES	
HIGAZI, MUHAMED	3,035,650	HOWARD	3,036,062	CORPORATION	3,036,123
HIGH, DONALD	3,036,381	HWU, HAI-GWO	3,036,250	INTERNATIONAL BUSINESS	
HIGH, DONALD R.	3,035,758	HYBRID SYSTEM OU	3,035,851	MACHINES	
HIGH, DONALD R.	3,035,762	HYDE-DERUYSCHER, ELICIA		CORPORATION	3,036,125
HIGH, DONALD R.	3,035,771	KRISTINE	3,036,230	INVENTURE RENEWABLES,	
HIGH, DONALD R.	3,035,907	HYDE-DERUYSCHER, NANCY		INC.	3,036,339
HIGH, DONALD R.	3,035,970	HARLAN	3,036,230	INVRSION S.R.L.	3,036,366
HIGH, KATHERINE A.	3,035,628	HYDE-DERUYSCHER, ROBIN		INVUITY, INC.	3,036,209
HIJAZI, ABD ALRAUF	3,035,650	PARISH	3,036,230	INYANG, UBONG	3,035,867
HIRAKANE, MAKOTO	3,035,912	HYTORC DIVISION UNEX		IRISYS, INC.	3,036,235
HOBBS, CHRIS	3,036,075	CORPORATION	3,036,211	ISHIHARA, TAKAKO	3,035,954
HOCKER, RAINER	3,035,992	I.C. MEDICAL, INC.	3,036,084	ISHII, TAKUMI	3,035,983
HODEL, JEREMY	3,036,078	IBOSS, INC.	3,035,823	ISHIKAWA, EMIKO	3,035,954
HODGE, SHAWN MORRIS	3,036,220	IBRAHIM, YEHIA M.	3,035,818	ISHIZAKI, KEITO	3,035,652
HODSON, PETER D.	3,036,167	ICHIEH, GO	3,036,256	ISP INVESTMENTS LLC	3,035,893
HOECKER, JOHANNES DAVID	3,036,360	ICOPAL APS	3,035,902	ISRAEL AEROSPACE	
HOFFMAN, RICHARD C., JR.	3,036,374	IENAKA, YUSUKE	3,036,027	INDUSTRIES LTD.	3,036,332
HOFMANN, JOHANNA	3,032,871	ILLINOIS TOOL WORKS INC.	3,036,375	ITO, MASAYA	3,036,162
HOGANAS AB (PUBL)	3,036,066	ILLINOIS TOOL WORKS INC.	3,036,387	ITO, TOMOHIRO	3,036,027
HOLIAN, MAEVE	3,035,706	IMBERT, ISABELLE	3,035,893	IZUN PHARMACEUTICALS	
HOLL, NORBERT	3,035,917	IMFLUX INC.	3,035,739	CORP.	3,036,154
HOLME, KEVIN ROSS	3,036,064	IMFLUX INC.	3,035,741	J.D. FRANCO & CO., LLC	3,035,782
HONEY-JONES, DAVID	3,036,117	INAGAKI, HIROAKI	3,035,860	JAASKELAINEN, MIKKO	3,036,228
		INCELLDX, INC.	3,036,278	JACOBS, CLAYTON	3,036,283

Index des demandes PCT entrant en phase nationale

JAIN, SIDDHARTHA	3,035,638	KALA PHARMACEUTICALS,		KINETIC ORTHOTICS PTY	
JAMASBI, HOMAYOUN	3,035,923	INC.	3,036,065	LTD	3,035,809
JAMES, PAUL G.	3,035,864	KALA PHARMACEUTICALS,		KING, DANIEL	3,035,706
JANG, JI HYE	3,035,723	INC.	3,036,336	KINNUNEN, PETTERI	3,035,851
JANSSEN VACCINES & PREVENTION B.V.	3,035,759	KALA PHARMACEUTICALS,		KINSKY, MICHAEL P.	3,036,376
JAZZ PHARMACEUTICALS		INC.	3,036,340	KINTISH, BEN	3,036,177
INTERNATIONAL III		KALCHBRENNER, NAL		KIRCHMAIR, MARTIN	3,035,646
LIMITED	3,036,068	EMMERICH	3,036,067	KIRIN KABUSHIKI KAISHA	3,036,197
JAZZ PHARMACEUTICALS		KAMIKUBO, YASUHIKO	3,035,882	KITAHARA, ISAMU	3,036,369
INTERNATIONAL III		KAMP, TIMOTHY JOSEPH	3,036,233	KITAMOTO, NAOMI	3,036,349
LIMITED	3,036,071	KANBARA, HIROSHI	3,035,648	KITTLESON, JOSHUA	3,035,839
JDS THERAPEUTICS, LLC	3,035,584	KANBARA, HIROSHI	3,035,654	KLEVEN, PER HAVARD	3,035,645
JEANE, STEPHEN G.	3,035,964	KANCK, PETER	3,035,978	KLOMP, MANFRED	3,036,004
JEFFERSON SCIENCE		KANDORI, HIDEKI	3,035,651	KLONOWSKI, THOMAS	3,036,147
ASSOCIATES, LLC	3,036,100	KANEKO, HIROTAKA	3,036,027	KNIGHT, CHAD	3,036,069
JELINEK, VACLAV J.	3,035,772	KANEKO, TAKAO	3,036,102	KNIGHT, MICHAEL	3,035,767
JENSEN, EIRIK S.	3,035,902	KANER, RICHARD B.	3,036,086	KNORR-BREMSE SYSTEME	
JI, TINGFANG	3,035,797	KANETA, YASUYUKI	3,035,860	FUR NUTZFAHRZEUGE	
JIANG, LEI	3,036,114	KANSAGRA, PIYUSH	3,036,316	GMBH	3,036,109
JIANG, QINGYUN	3,036,114	KAO, CHARLLY	3,035,971	KOBAYASHI, HIROSHI	3,035,740
JIANGSU HANSOH		KARABELAS,		KOBAYASHI, SHUICHI	3,036,341
PHARMACEUTICAL		KONSTANTINOS	3,036,304	KOBAYASHI, TOSHITAKE	3,036,349
GROUP CO., LTD.	3,035,951	KARASEK, MARK L.	3,035,765	KOBUKE, MAKOTO	3,036,369
JOHN WILSON, MAKESH		KARL LEIBINGER		KODA, DAISUKE	3,035,648
PRAVIN	3,035,911	MEDIZINTECHNIK GMBH		KODA, DAISUKE	3,035,654
JOHNSON, BRYAN	3,036,361	& CO. KG	3,035,803	KOEBERL, DWIGHT D.	3,035,859
JOHNSON, DIRK	3,036,284	KARL LEIBINGER		KOERNER, MATTHIAS	3,035,624
JOHNSON, KATJA	3,036,365	MEDIZINTECHNIK GMBH		KOMOROWSKI, JAMES R.	3,035,584
JOHNSON, WILLIAM E., III	3,036,248	& CO. KG	3,036,001	KONDO, SHINPEI	3,036,027
JOHNSON, WINSOME	3,035,784	KARL LEIBINGER		KONOTOV, TAMIR LEO	3,036,151
JOHNSSON, MARKUS	3,036,307	MEDIZINTECHNIK GMBH		KONOWALCHUK, THOMAS	
JONAI, KENTA	3,036,197	& CO. KG	3,036,252	W.	3,035,814
JONES, ANDREW	3,036,080	KARNIK, RAHUL	3,035,910	KOPF, SEBASTIAN	3,035,682
JONES, DYLAN	3,036,229	KASENDRA, MAGDALENA	3,036,378	KORDTECH PTY LTD	3,036,383
JONES, HARRY MICHAEL	3,035,898	KATADA, YUSAKU	3,035,651	KOS, JULIE ANN	3,036,269
JONES, MATTHEW ALLEN	3,036,077	KATO, AKIHIRO	3,036,352	KOSHIZUKA, KEISUKE	3,036,162
JONES, MITCHELL		KATONA, GERGELY	3,035,647	KOSHKAROFF, IUSTINIA	3,036,225
LAWRENCE	3,036,334	KATTA, NITESH	3,035,743	KOSKI, KELLY JAMES	3,035,915
JONES, MITCHELL		KATZ, MARC	3,036,203	KOSKINEN, PERTTU	3,036,318
LAWRENCE	3,036,364	KAUFMANN, NICHOLAS L.	3,035,838	KOSSIES INNOVATIONS PTY	
JONES, NATHAN G.	3,035,758	KAUR, NAVDEEP	3,035,822	LTD	3,036,269
JONES, NATHAN G.	3,035,762	KAWASAKI JUKOGYO		KOTRAIAH, VINAYAKA	3,036,251
JONES, NATHAN G.	3,035,771	KABUSHIKI KAISHA	3,036,352	KOTZER, OMER	3,036,034
JONES, NATHAN G.	3,035,907	KEEGAN, KATHLEEN S.	3,036,384	KOUKUNTLA, RAMESH	3,036,293
JONES, NATHAN GLENN	3,036,381	KEIO UNIVERSITY	3,035,651	KOUKUNTLA, RAMESH	3,036,386
JONES, NICHOLAUS ADAM	3,036,077	KEKICHEFF, MARC	3,035,663	KOZLOV, IGOR	3,036,119
JONES, RYAN ELLIOTT	3,036,364	KELTS, A. DAVID	3,035,623	KRISTOFFERSEN, STEINAR	3,035,815
JONSCHKER, GERHARD	3,036,138	KERKHOFF, FRANCISCUS		KROLS, DIRK	3,035,990
JORDAN, KEVIN C.	3,036,100	THEODORUS	3,036,004	KROSSCHELL, BRIAN D.	3,035,919
JOSHI, UDAYAN	3,036,203	KETER PLASTIC LTD.	3,035,950	KROSSER, SONJA	3,036,297
JOUGHIN, ALAN ROBERT	3,035,842	KEZELE, WILLIAM FRANCIS	3,035,914	KROSSER, SONJA	3,036,313
JOZEFIAK, THOMAS, H.	3,035,659	KHABASHESKU, VALERY N.	3,035,750	KROZEL, ADAM J.	3,036,308
JT INTERNATIONAL SA	3,035,845	KHAITAN, ASHU	3,035,889	KUBICEK, CHRISTIAN P.	3,035,981
JUNO THERAPEUTICS, INC.	3,035,829	KHANNA, RAJIV	3,035,906	KULTGEN, STEVEN	3,036,245
K+S AKTIENGESELLSCHAFT	3,035,682	KIDO, YUICHIRO	3,035,845	KUMAR, SNEH	3,036,088
KABUSHIKI KAISHA KOBE		KIEATIWONG, ANDY	3,035,767	KUNIMI, HIROMITSU	3,035,651
SEIKO SHO (KOBE STEEL,		KIENER, CHRISTOPH	3,035,695	KURARAY CO., LTD.	3,035,648
LTD.)	3,035,652	KIM, JEROME	3,035,759	KURARAY CO., LTD.	3,035,654
KABUSHIKI KAISYA		KIM, KYN-JUN	3,035,746	KURIHARA, TOSHIHIDE	3,035,651
ADVANCE	3,035,955	KIM, MAENGSUP	3,035,681	KURIHARA, TOSHIHIDE	3,036,197
KAGAN, ISHAY	3,035,950	KIM, MI RA	3,035,723	KURODA, SHIGERU	3,035,735
KAGEJI, HIDEAKI	3,035,860	KIM, TAEK-KEUN	3,035,723	KURODA, SHIGERU	3,035,885
		KINCAID, JOHN	3,036,195	KUSHNAREV, IVAN	
				VLADIMIROVICH	3,036,362

Index of PCT Applications Entering the National Phase

KUSHNAREV, VLADIMIR		LEVINE, WILLIAM Z.	3,036,154	LOPEZ, ERASMO A.	3,035,894
IVANOVICH	3,036,362	LEVY, AVRAHAM A.	3,036,328	LOPEZ, ERASMO A.	3,036,229
KUSLYS, MARTINAS	3,036,365	LEVY, NICHOLAS E.	3,035,853	LOPEZ, ERASMO A.	3,036,231
KWAK, SEUNG-KYU DANIEL	3,036,229	LEWITUS, DAN	3,036,271	LOPEZ, NICHOLAS	3,035,767
KYOTO UNIVERSITY	3,035,882	LI, DONGHONG	3,035,756	LOPEZ-HILFIKER, FELIPE	3,036,058
L'AIR LIQUIDE, SOCIETE		LI, GANG	3,035,684	LOPEZ-LOPEZ, CRISTINA	3,035,852
ANONYME POUR		LI, GUOBAO	3,036,289	LOSCHER, FRANK	3,036,297
L'ETUDE ET		LI, GUOHUA	3,036,191	LOSCHER, FRANK	3,036,306
L'EXPLOITATION DES		LI, JIAN	3,035,680	LOSCHER, FRANK	3,036,313
PROCEDES GEORGES		LI, KEVIN	3,035,912	LOU, HANQING	3,035,973
CLAUDE	3,035,849	LI, LIQIAN	3,035,684	LOU, JIANLONG	3,036,232
LABAR, DANIEL	3,036,299	LI, NATHAN	3,036,224	LOVELACE, AARON FORD	3,036,007
LABORATOIRE FRANCAIS DU		LI, NATHAN	3,036,363	LU, XIJIA	3,036,311
FRACTIONNEMENT ET		LI, PENG	3,035,680	LUCASSEN, ANDRE C.B.	3,036,041
DES BIOTECHNOLOGIES	3,035,976	LI, TIAN	3,036,033	LUGER, SIEGMUND	3,035,803
LACROSSE, JIM	3,036,348	LI, TIANZHU	3,035,825	LUMMUS TECHNOLOGY INC.	3,035,873
LAFON, BELEN	3,035,795	LI, XUEJIAN	3,035,787	LUNARDI, MAURO	3,036,141
LAI, HUNG-SEN	3,036,202	LI, XUEJIAN	3,035,801	LUO, TAO	3,035,797
LAI, WEN-SUNG	3,036,250	LI-CHUNG, TU	3,035,810	LUO, TAO	3,035,911
LAI, WENYIH F.	3,036,380	LIEN, ELДАР	3,036,342	LYMAN, CHRISTOPHER	
LAMB, JONATHAN C.	3,036,234	LILES, GARY	3,036,080	ROBERT	3,036,074
LANCELLOTTI, PATRIZIO	3,035,686	LILLARD, JAMES W., JR.	3,035,898	LYMAN, CHRISTOPHER	
LANDE, LAURA GABRIELA	3,035,910	LIMITED LIABILITY		ROBERT	3,036,087
LANDMARK GRAPHICS		COMPANY		M&R PRINTING EQUIPMENT,	
CORPORATION	3,035,730	"NEFTEKAMSK		INC.	3,036,374
LANDMARK GRAPHICS		MACHINERY PLANT"		MA, HANHUI	3,035,810
CORPORATION	3,035,733	(LLC NKMZ)	3,036,362	MA, JIANXIANG	3,035,825
LANDRUM, TRAMPUS LEE	3,036,070	LIMITED LIABILITY		MA, MING	3,035,787
LANG, DOMINIK	3,036,037	COMPANY "TST		MA, MING	3,035,801
LANGLEY, DAVID R.	3,035,697	ENGINEERING"	3,035,884	MAAK, PAL	3,035,647
LARK, WILLIAM, JR.	3,036,057	LIN, CHENG-YI	3,036,388	MACDONALD, BRUCE	3,036,383
LARK, WILLIAM, JR.	3,036,061	LIN, CHENG-YI	3,036,391	MACFARLANE, JAY	3,036,283
LARSON, MICHAEL DAVID	3,036,226	LIN, JOHN	3,035,743	MACKENNA, DEIDRE A.	3,036,062
LARUE, HUACHUN W.	3,036,234	LIN, LEI	3,035,912	MADDEN, PETER G.	3,035,928
LAUGEL, BRUNO	3,036,309	LINCH, STEPHANIE ANN		MADDOX, PAUL SAMUEL	3,035,788
LAURENSAN, FREDERIC	3,035,982	SANDER	3,035,980	MADDUX, STEVEN HOWARD	3,035,901
LAURENT, ALAIN	3,036,346	LINDQVIST, PETRI	3,036,370	MADSEN, SONDERGAARD	
LAURICHESSE, STEPHANIE	3,036,188	LINDSAY, BRUCE J.	3,035,960	PEDER	3,035,875
LAVAZZA PROFESSIONAL		LINDSAY, SHANEL A.	3,035,812	MAEDA, HIROMI	3,035,648
NORTH AMERICA, LLC	3,035,855	LING, CHEN	3,036,289	MAEDA, HIROMI	3,035,654
LAWRENCE, RICHARD J.	3,036,234	LINHARDT, ROBERT J.	3,035,912	MAGAR, CORALIE	3,035,786
LAYJET MICRO-ROHR		LISCHINSKY, DANIEL	3,035,649	MAGGU, MANMEET SINGH	3,036,279
VERLEGESELSCHAF		LIU, BIN	3,036,083	MAGIC LEAP, INC.	3,036,208
T M.B.H.	3,036,268	LIU, CHIH-MIN	3,036,250	MAITRA, RANGAN	3,036,382
LAYMAN, DAWN	3,035,893	LIU, FULIN	3,035,677	MAJHI, SACHCHIT KUMAR	3,036,333
LE FLAMMEC, DIDIER	3,035,969	LIU, HARVEY I.	3,035,977	MAKAROV, VLADIMIR	3,035,698
LE MESTR, AUDREY	3,035,893	LIU, JIAWANG	3,035,681	MAKI, KARI	3,035,793
LEE, HEECHOON	3,035,797	LIU, JUN	3,035,757	MAKITA, NAOYUKI	3,036,350
LEE, MOSES YUNG KYU	3,035,889	LIU, KAI	3,036,358	MALEK TABRIZI, ALIREZA	3,035,977
LEE, STEVEN HYUN SEUNG	3,035,675	LIU, YU-LI	3,036,250	MANABE, AKIYOSHI	3,036,352
LEE, SUKMOOK	3,035,723	LIU, ZHANGSHI	3,035,656	MANDAL, JAYANTA KUMAR	3,036,011
LEE, YOUNG-ILL	3,035,675	LJUBICIC, DEAN	3,035,928	MANDAL, SUKUMAR	3,036,333
LEIA INC.	3,035,787	LOCKIT SYSTEMS PTY. LTD.	3,036,389	MANDELL, ROBERT BARRY	3,036,293
LEIA INC.	3,035,799	LOCUS IP COMPANY, LLC	3,036,072	MANDELL, ROBERT BARRY	3,036,386
LEIA INC.	3,035,801	LOCUS IP COMPANY, LLC	3,036,343	MANESS, DAVID A.	3,036,338
LEIBLER, LUDWIK	3,031,543	LOMASNEY, CHRISTINA ANN	3,036,191	MANSOUR, TAREK S.	3,036,079
LEIDOS, INC.	3,036,251	LOMAX, STUART	3,035,707	MAPLEBEAR, INC. (DBA	
LEMAY, MATTHIEU OLIVIER	3,036,334	LONERGAN, DAVID	3,036,064	INSTACART)	3,035,889
LEONARD, BRANDON JAMES	3,036,270	LONG, CHAOFENG	3,035,680	MARCOCCIA, BRUNO	3,036,131
LEONARD, ERICH	3,036,177	LONG, RYAN ALEXANDER	3,036,339	MARCONDES, ANTONIO	
LEONHARDT, DARRIN	3,036,248	LOONTJENS, JACOBUS		MARIO QUERIDO	3,036,384
LEPPANEN, OLLI	3,035,793	ANTONIUS	3,035,957	MARINACK, MARTIN C.	3,036,088
LESCH, PAUL	3,036,179	LOOP, JOHN G.	3,036,103	MARKOVIC, SVETOMIR N.	3,035,653
LEUNG, DENISE HOI SHUEN	3,035,889	LOPEZ, DELISA	3,035,795		

Index des demandes PCT entrant en phase nationale

MARKOWITZ, STEVEN MICHAEL	3,036,007	METABOLIC TECHNOLOGIES, INC.	3,035,897	MUELLER, SYLVIA MELITTA	3,036,110
MARKS, JAMES D.	3,036,232	METZ, CLARA	3,036,301	MUKASA, RYUTA	3,036,350
MARNFELDT, GORAN N.	3,036,185	MEURISSE, JACQUES	3,035,841	MUKHERJEE, ASEET	3,035,789
MARSHALL-HILL, GEOFF	3,035,980	MEYER INTELLECTUAL PROPERTIES LIMITED	3,036,221	MUKHTAR, YASIR	3,036,193
MARTEL, STEPHANE	3,035,922	MEYER, CHARLES S.	3,035,926	MULL, ERIC	3,035,697
MARTEL, STEPHANE	3,035,926	MGX RENEWABLES INC.	3,036,285	MULLER, MATHIAS	3,035,843
MARTIN CORDERO, JORGE VICENTE	3,035,701	MICHAEL, NELSON L.	3,035,759	MULLER, MATHIAS	3,035,871
MARTIN, PARTHENA	3,035,832	MICHEL, WILLIAM	3,035,792	MULLER, MATHIAS	3,036,305
MARTINI, PAUL MICHAEL	3,035,823	MIDEA GROUP CO., LTD.	3,035,998	MULLER, NATHAN JOHN	3,036,364
MARTYSEVICH, VLADIMIR NIKOLAYEVICH	3,035,831	MIDEA GROUP CO., LTD.	3,036,002	MULTIMATERIAL-WELDING AG	3,036,115
MARTYSEVICH, VLADIMIR NIKOLAYEVICH	3,036,129	MILBURN, PETER	3,035,806	MUNCH, HENRIK KOFOED	3,035,958
MARYNSKIY, GEORGIY SERGEEVICH	3,036,261	MILNER, THOMAS	3,035,743	MUNDR, MANISH	3,035,961
MASSONNE, KLEMENS	3,036,360	MINGOZZI, FEDERICO	3,035,859	MUNDT, ALICE	3,036,291
MATHIESEN, JESPER MOSOLFF	3,035,958	MINGOZZI, FEDERICO	3,035,868	MUNDT, ALICE	3,036,293
MATLY, DAVID J.	3,035,822	MINGOZZI, FEDERICO	3,036,368	MUNDT, ALICE	3,036,310
MATTINGLY, TODD D.	3,035,758	MISKIN, HARI P.	3,035,976	MUNDT, ALICE	3,036,386
MATTINGLY, TODD D.	3,035,762	MITSUBISHI HEAVY INDUSTRIES, LTD.	3,035,953	MUNI, NEAL	3,036,356
MATTINGLY, TODD D.	3,035,771	MITSUSHIMA, SHIGENORI	3,036,352	MUNOZ SANCHEZ, DIEGO ARMANDO	3,035,908
MATTINGLY, TODD D.	3,035,907	MOBERLY, AARON CHRISTOPHER	3,035,763	MURAKAMI, YASUHARU	3,035,954
MATTINGLY, TODD D.	3,035,970	MOCK, GRAHAM	3,035,847	MURAMATSU, SUMIE	3,036,350
MATYAS, PETER	3,035,647	MOCKLER, TODD C.	3,035,914	MURCIA, MICHAEL J.	3,035,789
MAURER, GREGOR	3,035,646	MODUMETAL, INC.	3,036,191	MURI, DIETER	3,035,624
MAUSER-WERKE GMBH	3,036,355	MOELLER, DANIEL KEITH	3,035,834	MURUGESAN, SANKARAN	3,035,750
MAX-PLANCK- GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V.	3,032,871	MOGEMARK, MICKAEL	3,036,304	MUSTER, MARCEL	3,036,243
MAYER, JORG	3,036,115	MOGHADDAM, MINOO J.	3,035,835	MYLAVARAPU, SANGHAMITRA	3,036,128
MAYES, JULIAN PETER	3,036,113	MOGNA, GIOVANNI	3,035,711	MYSELL, ROBIN MARCUS	3,035,805
MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH	3,035,653	MOHEBBINIA, SAEEDH	3,035,730	NAGARAJA, SUMEETH	3,035,911
MAYO, JOHN	3,036,111	MOHEBBINIA, SAEEDH	3,035,733	NAGASHIMA, IKUO	3,036,352
MAZLISH, BRYAN	3,036,266	MOINARD, BRUNO	3,036,097	NAGOYA INSTITUTE OF TECHNOLOGY	3,035,651
MAZUMDER, SHARMISTHA	3,036,343	MOISAN, ALAIN	3,035,934	NAGPAL, VARUN	3,035,929
MAZZONI, JUSTIN M.	3,035,887	MOKS, TOOMAS	3,036,298	NAGPAL, VARUN	3,036,193
MC EVER, CHAD MICHAEL	3,035,777	MOLECULAR PARTNERS AG	3,036,301	NAIR, HARI	3,036,380
MCCARTHY, MICHAEL	3,036,372	MOLEK, JESSICA RACHEL	3,035,853	NAKAGAWA, MAI	3,035,881
MCHALE, BRIAN G.	3,035,758	MOLINARO, ANDREA	3,036,097	NAKAJIMA, YASUTOMO	3,036,162
MCHALE, BRIAN G.	3,035,762	MONSANTO TECHNOLOGY LLC	3,036,234	NAKAMURA, HIROSHI	3,036,164
MCHALE, BRIAN G.	3,035,771	MONSTADT, HERMANN	3,035,865	NAKAMURA, KENSUKE	3,036,350
MCLEOD, JOHN	3,036,285	MONTESINOS, CYRILLE	3,035,908	NAKAYAMA, KIYOSHI	3,035,860
MECATHERM	3,035,837	MOORE, NATHAN E.	3,035,963	NAKO, HIDENORI	3,035,652
MECOZZI, FRANCESCO	3,035,957	MOORE, NATHAN E.	3,035,965	NAMIKI, HIDENORI	3,035,860
MEDLINE INDUSTRIES, INC.	3,036,204	MOORE, NATHAN E.	3,036,076	NAPOLITANO, FRANCESCO	3,035,987
MEISSNER, PAUL	3,035,682	MOREHOUSE SCHOOL OF MEDICINE	3,035,898	NASERI, ARDALAN	3,035,810
MENG, LEI	3,035,825	MORGAN, CHARLOTTE	3,035,931	NATARAJAN, CHANDRASHEKAR	3,036,381
MENG, ZHAOXING	3,035,697	MORGAN, RICHARD JAMES	3,036,191	NATIONAL CHIAO TUNG UNIVERSITY	3,036,250
MENG, ZHIQIANG	3,036,393	MORI, DAISUKE	3,035,912	NATIONAL HEALTH RESEARCH INSTITUTES	3,036,250
MERALI, SALIM	3,035,972	MORITA, YUJI	3,036,197	NATIONAL TAIWAN UNIVERSITY	3,036,250
MERCATOR MEDSYSTEMS, INC.	3,035,774	MORRIS, BRYANT A.	3,035,732	NATIONAL UNIVERSITY CORPORATION YOKOHAMA NATIONAL UNIVERSITY	3,036,352
MERCK PATENT GMBH	3,036,138	MORRIS, STEPHEN J.	3,036,346	NAYLOR, ROSS	3,036,266
MERGER, MARTIN	3,036,360	MORSTATT, SCOTT	3,036,212	NBB HOLDING AG	3,036,144
MERTZ, ROBERT R.	3,036,308	MORTON, GEORGE C.	3,035,972	NBB HOLDING AG	3,036,145
MERZEAU, JULIEN D.	3,036,237	MOSSEL, BRENDA	3,035,668	NEAL, DANIEL R.	3,035,761
MESSER, ANNE	3,036,264	MOTZ ENTERPRISES, INC.	3,022,297	NEGORO, NOBUYUKI	3,036,349
		MOTZ, JAMES G.	3,022,297	NELSON, DEANNA J.	3,035,584
		MOTZ, MATTHEW J.	3,022,297		
		MOUTAUX, ANTOINE	3,036,147		
		MSA TECHNOLOGY, LLC	3,035,596		
		MUELLER, SILVIA MELITTA	3,036,122		
		MUELLER, SILVIA MELITTA	3,036,123		
		MUELLER, SILVIA MELITTA	3,036,125		

Index of PCT Applications Entering the National Phase

NELSON, JENNIFER LEIGH	3,036,071	NOVALIQ GMBH	3,036,306	PARK, BRIAN V.	3,036,228
NEMAC, LARRY	3,035,725	NOVALIQ GMBH	3,036,313	PARK, HYEJIN	3,035,757
NERZ, BERND	3,036,108	NOVARTIS AG	3,035,852	PARK, TAE KWANN	3,035,675
NESEMEIER, FREDERICK	3,035,727	NOVO FUTURA IVS	3,035,692	PARKS, JESSICA	3,035,896
NESEMEIER, GARY	3,035,727	NSC THERAPEUTICS GMBH	3,036,134	PARMAN, JOSHUA M.	3,036,347
NESTE CORPORATION	3,036,318	NUCLEUS SCIENTIFIC, INC.	3,035,928	PASKALEVA, ELENA	3,035,912
NESTE OYJ	3,036,370	NYMAN, TOMI	3,036,318	PATEL, HEMANG R.	3,035,887
NESTEC S.A.	3,036,365	NYMOX CORPORATION	3,036,089	PATEL, NILESHKUMAR	
NESTEC S.A.	3,036,371	O'BRIEN, JOHN J.	3,035,758	BHIKHABHAI	3,036,011
NEUMANN, ULF	3,035,852	O'BRIEN, JOHN J.	3,035,762	PATEL, RIKIN	3,036,316
NEUMAYER, FRITZ	3,035,802	O'BRIEN, JOHN J.	3,035,771	PATON TURBINE	
NEURAVI LIMITED	3,035,706	O'BRIEN, JOHN J.	3,035,907	TECHNOLOGIES LLC	3,036,261
NEVALA, WENDY K.	3,035,653	O'BRIEN, JOHN J.	3,035,970	PATTERSON, BRUCE K.	3,036,278
NEW YORK AIR BRAKE LLC	3,036,177	O'BRIEN, JOHN JEREMIAH	3,036,381	PAU, MARIA GRAZIA	3,035,759
NEWMAN, JOHN	3,036,082	O'GORMAN, JACQUELINE	3,035,706	PAULIN, ALAN	3,035,968
NG, SHEAU	3,035,658	OBOE IPR AB	3,035,861	PEATIE, ADAM	3,036,098
NG, WEE BENG	3,036,210	OBOZNY, YURY SERGEEVICH	3,036,362	PECOFACET (US), INC.	3,035,964
NGUYEN, EMILY PHUONG		OCV INTELLECTUAL		PEDERSEN, DANIEL S.	3,036,283
NAM	3,036,086	CAPITAL, LLC	3,035,738	PEDERSEN, GLERUP SIMON	3,035,875
NGUYEN, MINH NGOC	3,036,065	OGER, ELODIE	3,035,893	PEDERSEN, RYAN	3,035,764
NGUYEN, MINH NGOC	3,036,336	OGLE, JAMES W.	3,035,831	PEDERSEN, RYAN	3,035,767
NGUYEN, MINH NGOC	3,036,340	OHARA, HIDEKI	3,035,740	PEDERSON, THORU	3,035,810
NGUYEN, PHAN HUY	3,036,318	OHH- MED MEDICAL LTD.	3,035,649	PENA, JOHN TG	3,036,093
NGUYEN, PHILIP D.	3,035,831	OHIO STATE INNOVATION		PENDON, ZEUS	3,036,356
NGUYEN, PHILIP D.	3,035,867	FOUNDATION	3,035,763	PENG, HANJING	3,035,757
NGUYEN, PHILIP D.	3,036,129	OHMURA, SHUJI	3,035,735	PENG, XUANJIA	3,035,680
NHK SPRING CO., LTD.	3,035,735	OHMURA, SHUJI	3,035,885	PEPSICO, INC.	3,035,784
NHK SPRING CO., LTD.	3,035,885	OHTA, SATOMI	3,035,648	PEREDERIY, VYACHESLAV	
NICHOLLS, DARREN	3,035,855	OHTA, SATOMI	3,035,654	IVANOVICH	3,035,884
NICOLAY, RENAUD	3,031,543	OKAZAKI, YOSHITOMI	3,035,652	PERELMAN, LOREN	3,035,839
NICOLETTI, TIMOTHY	3,036,229	OLESON, ANDREW L.	3,036,374	PERENTES, ALEXANDRE	3,036,371
NICOVENTURES HOLDINGS		OLSEN, JOHN EJRPUP	3,035,902	PERLADE, ASTRID	3,035,786
LIMITED	3,035,638	OMOJOLA, AYOKUNLE	3,035,968	PERLMAN, DANNA	3,036,156
NIEMINEN, GREG	3,035,915	ONASCH, TORSTEN	3,036,081	PERNODET, NADINE	3,035,893
NIKE INNOVATE C.V.	3,036,223	ONG, WINSTON ZAPANTA	3,036,065	PEROXYCHEM LLC	3,035,736
NIKE INNOVATE C.V.	3,036,225	ONG, WINSTON ZAPANTA	3,036,336	PERRIN, REMI	3,036,188
NIKITIDIS, ANTONIOS	3,036,304	ONG, WINSTON ZAPANTA	3,036,340	PERRY, MATTHEW	3,036,304
NIKINIA, IMAN	3,036,364	ONISHI, AKIHIRO	3,035,912	PESELLE, JEFF	3,035,738
NIKOLIN, VELJKO	3,036,310	ONO, HIROYOSHI	3,035,845	PETERS, CORY	3,035,768
NIKOLIN, IGOR	3,036,235	ORNDORFF, JASON		PETERSEN, JENS	3,036,304
NIPPON CHEMICAL		MATTHEW	3,036,087	PETROV, IRENE Y.	3,036,376
INDUSTRIAL CO., LTD.	3,036,035	OSRAM SYLVANIA INC.	3,036,081	PETROV, YURIY	3,036,376
NIPPON FILCON CO., LTD	3,035,714	OSTUNI, RAFFAELE	3,036,357	PETSCHKE, ANDREAS	3,036,109
NIPPON FILCON CO., LTD	3,035,858	OTERI, OGHENEKOME	3,035,973	PEZZIMENTI, LUKE A.	3,036,223
NISHIKI, YOSHINORI	3,036,352	OTSUKA, AZUKI	3,035,954	PEZZIMENTI, LUKE A.	3,036,225
NISHIMURA, STEPHEN L.	3,036,232	OTTOSON, THOMAS		PH KLEVEN AS	3,035,645
NISSAN MOTOR CO., LTD.	3,035,719	CHARLES	3,035,921	PHARMAKEA, INC.	3,036,062
NISSAN MOTOR CO., LTD.	3,035,856	OURY, CECILE	3,035,686	PHARMAKEA, INC.	3,036,064
NISSAN MOTOR CO., LTD.	3,035,870	OUYANG, DAOSHAN	3,036,277	PHENOX GMBH	3,035,865
NISSAN MOTOR CO., LTD.	3,035,879	OZUNA, ANDREA MARIE	3,036,070	PHILIPPSEN, AARON OLAFUR	
NISSAN MOTOR CO., LTD.	3,036,027	P2 SCIENCE, INC.	3,036,092	LAURENCE	3,036,334
NISSAN MOTOR CO., LTD.	3,036,121	PACKER, NICOLLE HANNAH	3,035,931	PHILIPPSEN, AARON OLAFUR	
NISSAN MOTOR CO., LTD.	3,036,160	PAGEL, KEVIN	3,032,871	LAURENCE	3,036,364
NISSAN MOTOR CO., LTD.	3,036,335	PALACIOS, VANESSA	3,035,873	PHOTOSCIENCE JAPAN	
NISSAN MOTOR CO., LTD.	3,036,337	PALMER, MILES R.	3,036,311	CORPORATION	3,036,345
NISSAN MOTOR CO., LTD.	3,036,307	PALMIERI, ERIC	3,035,844	PIERCE, TANNER	3,035,656
NISTOR, CATALIN		PALMIERI, FRED WILLIAM	3,035,962	PINNE, DARREN ROBERT	3,035,691
NITTO DENKO		PAMNANI, RAVINDER D.	3,035,822	PIONEER LINING	
CORPORATION	3,036,369	PAN, JUN	3,036,358	TECHNOLOGY LIMITED	3,036,323
NOK CORPORATION	3,036,073	PAN, YANG	3,036,384	PIPCHUK, DOUGLAS	3,036,222
NOLL, ERIC R.	3,036,223	PANNUCCI, JAMES	3,036,251	PIRZADEH, KIUSHAN	3,035,663
NOON HOME, INC.	3,036,057	PANTELOPOULOS,		PITCHER, STEPHEN N.	3,035,665
NOON HOME, INC.	3,036,061	ALEXANDROS A.	3,035,795	PIZZI, ANTONIO	3,036,131
NORTON, GRANT RAYMOND	3,036,287	PARIKH, DARSHAN	3,036,053	PLAS-FREE LTD	3,035,650
NOVALIQ GMBH	3,036,297				

Index des demandes PCT entrant en phase nationale

POLARIS INDUSTRIES INC.	3,035,919	RELIANCE INDUSTRIES LIMITED	3,036,333	RUANE, PATRICK H.	3,035,822
PORTULANO, CARLA	3,035,807	REMD BIOTHERAPEUTICS, INC.	3,036,273	RUCH, JOACHIM	3,036,360
POST, BENJAMIN L.	3,035,919	REMEDOR BIOMED LTD.	3,035,830	RUINART DE BRIMONT, MATHIAS	3,035,902
POTAPENKO, DMITRIY IVANOVICH	3,036,222	RENAULT S.A.S.	3,036,121	RUNWEIGHT PTY LTD	3,036,288
POXSON, DAVID J.	3,035,861	RENAULT S.A.S.	3,036,335	RUSSELL, ALLISON MAYA	3,035,795
PPG INDUSTRIES OHIO, INC.	3,035,760	RENSSELAER POLYTECHNIC INSTITUTE	3,035,912	RYABENKO, SERGEY IVANOVICH	3,036,261
PRECISION PLANTING LLC	3,036,078	RENTALOC BESLOTEN		S.P.C.M. SA	3,036,253
PRESCOTT, SCOTT	3,036,083	VENNOOTSCHAP MET BEPERKTE AANSPRAKELIJKHEID	3,035,990	SABILA BIOSCIENCES LLC	3,036,079
PRESIDENT AND FELLOWS OF HARVARD COLLEGE	3,035,660	RESEARCH TRIANGLE INSTITUTE	3,036,382	SACCHI, MAURIZIO	3,035,933
PRESIDENT AND FELLOWS OF HARVARD COLLEGE	3,036,378	REVIVE SAS	3,035,833	SAFRAN	3,035,982
PREYSCH, MARC	3,035,836	REYNAUD, ERIC	3,035,841	SAFRAN AIRCRAFT ENGINES	3,036,137
PRICE, CHARLES	3,036,283	REYNOLDS, SHARON W.	3,035,898	SAFRAN HELICOPTER ENGINES	3,036,147
PRINOTH S.P.A.	3,035,646	RHEME, MARTIN	3,036,115	SAHIN, ALPHAN	3,035,973
PROPPANT EXPRESS SOLUTIONS, LLC	3,035,777	RHIZEN PHARMACEUTICALS SA	3,035,976	SAIKI, RANDALL	3,036,119
PROPPANT EXPRESS SOLUTIONS, LLC	3,035,974	RHODIA OPERATIONS	3,035,923	SAITOH, MORIHISA	3,036,349
PROUGH, DONALD S.	3,036,376	RIBI LIMITED	3,035,988	SAKO, DIANNE	3,036,104
PSIUK, RAFAEL	3,035,699	RIBI, LEON	3,035,988	SALAM, TANIA	3,036,092
PUDELSKI, JOHN K.	3,036,236	RICHARDSON, ANDREW	3,036,303	SAMAYOA, JOSUE	3,035,932
PUGH, BRIAN	3,036,192	RICHMAN, CAMILLE	3,036,094	SANAEI, SHABNAM	3,036,131
PUJULA CUSTOJA, ELISENDA	3,035,744	RIES, JEFFREY R.	3,035,732	SANCHEZ MORENO, JAIME	3,035,701
PUNATI, NAVEEN	3,035,975	RITE-HITE HOLDING CORPORATION	3,035,838	SANDBERG, MATS	3,035,861
PUZZO, FRANCESCO	3,036,368	RIZVI, SYED REZA	3,036,086	SANTARELLI, FREDERIC JOSEPH	3,035,644
QUALCOMM INCORPORATED	3,035,797	ROBB, MERLIN	3,035,759	SARBU, ALEXANDRU	3,036,188
QUALCOMM INCORPORATED	3,035,911	ROBERTS, KIRA BULAZEL	3,035,896	SARGENT MANUFACTURING COMPANY	3,036,055
QUINN, MICHAEL J.	3,036,206	ROBERTS, KIRA BULAZEL	3,035,896	SASO, HIDETOSHI	3,036,073
RABANIZADA, NABILA	3,036,039	RODRIGUEZ GARCIA, ANNA	3,035,701	SATO, RYUICHIRO	3,036,164
RABINOVICH, ANDREW	3,036,208	RODRIGUEZ OQUENDO, ANNABELLE	3,036,090	SATO, YOSUKE	3,036,102
RACHED, WISSAM	3,036,255	ROER, JOCHEN	3,036,124	SATOU, YUUSUKE	3,036,027
RADE-KUKIC, KORALJKA	3,036,365	ROER, JOCHEN	3,036,280	SAUDI ARABIAN OIL COMPANY	3,036,377
RAGUZ, MARY GALIC	3,036,103	ROGERS, CRAIG P.	3,036,206	SAUDI ARABIAN OIL COMPANY	3,036,379
RAJASEKHAR SURAGANI, NAGA VENKATA SAI	3,036,104	ROLLMAN, NICHOLAS S.	3,036,380	SAULNIER, MARK G.	3,035,697
RAMSEL, ANNA	3,036,039	ROMERO, F. ANTHONY	3,035,712	SAXENA, MAYANK	3,036,316
RAN-RESSLER, RINAT RIVKA	3,036,365	RONZITTI, GIUSEPPE	3,035,859	SAYLER, DAVID JOHN	3,036,186
RANC, EMMANUEL	3,035,833	RONZITTI, GIUSEPPE	3,035,868	SCAIFE, MICHAEL C.	3,036,201
RANUCCI, MARCO	3,035,987	RONZITTI, GIUSEPPE	3,036,368	SCHAEFER KALK GMBH & CO. KG	3,035,935
RAO, ARATI V.	3,036,384	ROSE, PAUL S.	3,035,742	SCHAEFER KALK GMBH & CO. KG	3,035,937
RAO, SUDHA	3,035,806	ROSE, YANNICK	3,036,346	SCHAFER, MARTIN	3,035,696
RASMUSSEN, ERIK	3,035,904	ROSS INDUSTRIES, INC.	3,036,080	SCHAPIRO, REUBEN DAVID	3,036,217
RATHMACHER, JOHN	3,035,897	ROSS, ROBERT A.	3,036,347	SCHAUSS, THOMAS	3,035,843
RAVI, ANANTH	3,036,142	ROTTE, JEROEN	3,035,920	SCHAUSS, THOMAS	3,035,871
RAWERT, JURGEN	3,035,703	ROTTE, JEROEN	3,035,924	SCHENCK, RONALD E.	3,035,967
RAYMOND, KENNETH N.	3,035,966	ROTTE, JEROEN	3,035,938	SCHENK, FRANK	3,036,156
RAYTHEON COMPANY	3,035,960	ROTTE, JEROEN	3,035,942	SCHERRER, LAWRENCE C.	3,035,667
RAYTHEON COMPANY	3,035,962	ROTTE, JEROEN	3,035,946	SCHIFFMAN, JOSHUA	3,035,770
REAM, THOMAS S.	3,036,234	ROTTGER, MAX	3,031,543	SCHILLER, STEFAN	3,036,138
RECTOR, JOHN	3,035,743	ROUSSEAU, DAMIEN	3,036,097	SCHIRRMACHER, GEORG	3,035,981
REDL, ANDREAS	3,036,188	ROWBOTTOM, MARTIN W.	3,036,064	SCHLUMBERGER CANADA LIMITED	3,035,908
REED, STEVEN G.	3,036,218	ROWLAND, THOMAS GREGORY	3,035,967	SCHLUMBERGER CANADA LIMITED	3,036,222
REGENERA PHARMA LTD.	3,036,041	ROY, MONIDEEPA	3,036,128	SCHNEIDERMAN, JACOB	3,035,715
REGENERATIVE RESEARCH FOUNDATION	3,036,264	ROYCE, DANIEL RICHARD	3,035,963	SCHOENBORN, KAI	3,035,754
REHMET, KRISTINA	3,036,291	ROYCE, DANIEL RICHARD	3,035,965	SCHOLTEN, MICHAEL	3,036,083
REHMET, KRISTINA	3,036,293	ROYCE, DANIEL RICHARD	3,036,074	SCHUH, SUSANNE	3,036,365
REHMET, KRISTINA	3,036,386	ROZSA, BALAZS	3,035,647	SCHUITEMAKER, JOHANNA	3,035,759
REICH, JAN CHRISTOPH	3,036,298				
REINAUER, FRANK	3,035,803				
REIST, DAVID	3,035,934				

Index of PCT Applications Entering the National Phase

SCHULZ, CHRISTOPH	3,035,840	SHPIGEL, TAL	3,036,271	SOONCHUNHYANG	
SCHUMAN, DALIBOR	3,036,140	SHUBERT, DALE M.	3,035,967	UNIVERSITY INDUSTRY	
SCHWANTES, DAVID	3,035,889	SHUH, DAVID K.	3,035,966	ACADEMY	
SCHWARTZ, SARIT	3,036,198	SHULTS, KEITH	3,036,278	COOPERATION	
SCHWARZ, ERIC	3,036,122	SIBELLO, PETER	3,036,069	FOUNDATION	3,035,675
SCHWARZ-HILGENFELD, INES	3,036,039	SIDDIQUI, ADNAN	3,035,923	SORBONNE UNIVERSITE	3,035,859
SCOLA, PAUL MICHAEL	3,035,697	SIDLER, ERICH	3,036,243	SORBONNE UNIVERSITE	3,036,368
SCORZIELLO, FRANCO	3,035,987	SIEMENS		SOUZA, CELSO	3,036,120
SCOTT, BENJAMIN	3,036,136	AKTIENGESELLSCHAFT	3,035,695	SP INDUSTRIES, INC.	3,036,107
SCOTT, PETER JOHN	3,036,326	SIEMENS		SP INDUSTRIES, INC.	3,036,200
SDB IP HOLDINGS, LLC	3,035,905	AKTIENGESELLSCHAFT	3,035,696	SPARK THERAPEUTICS, INC.	3,035,628
SEEBERGER, PETER	3,032,871	SIEMENS		SPDI HOLDINGS, INC.	3,035,665
SEFAR AG	3,035,836	AKTIENGESELLSCHAFT	3,036,393	SPERO, DORIAN JACK	3,036,081
SEGALL, CHRISTOPHER		SIEVERS, CHRISTIAN	3,035,843	SPOLJARIC, STEVEN	3,036,318
ANDREW	3,035,658	SIMMONS, TREVOR J.	3,035,912	SPOO, KEVIN	3,035,738
SEHGAL, ASHISH	3,036,316	SIMON, DANIEL	3,035,861	SPORTELLI, PETER	3,035,976
SEI OPTIFRONTIER CO., LTD.	3,036,164	SIMON, JOHN F.	3,035,758	SQUARE, INC.	3,035,968
SEIBOTH, BERNHARD	3,035,981	SIMON, JOHN F.	3,035,762	ST VINCENT'S HOSPITAL	
SEKIGUCHI, SHOTA	3,035,881	SIMON, JOHN F.	3,035,771	SYDNEY LIMITED	3,035,808
SEMENYUGA, VYACHESLAV		SIMON, JOHN F.	3,035,907	STEINER, MARKUS	3,036,140
VLADIMIROVICH	3,035,884	SIMON, JOHN F.	3,035,970	STENEVIK, KARL ATLE	3,035,716
SENARAS, CAGLAR	3,035,763	SIMONYAN, KAREN	3,036,067	STERNBERG, MARK E.	3,036,051
SENGUPTA, ANIRUDDHA	3,036,128	SINGH, BALVIR	3,036,316	STEVEN, PHILIPP	3,036,313
SENGUPTA, SHILADITYA	3,036,128	SINGH, DIPTI	3,035,867	STEVENS, JEREMY M.	3,035,964
SEPPALA, JUKKA	3,036,318	SINO MEDICAL SCIENCES		STEVENS, JONATHAN C.	3,036,100
SERGEANT, OLIVIER	3,035,837	TECHNOLOGY INC.	3,035,825	STIGERS, DANNON	3,036,178
SERRANO, DERYCK	3,036,088	SITECO		STILES, PETE A.	3,035,822
SEWARD, KIRK PATRICK	3,035,774	BELEUCHTUNGSTECHNI		STOCKETT, RYAN	3,035,679
SHABANIAN, ARDAVAN	3,036,292	K GMBH	3,036,081	STOFFNER, FELIX	3,036,075
SHAHRI, MEHDI A.	3,035,831	SJOLUND, PER JOHN	3,036,266	STROBEL, HEIKE MARIA	3,036,301
SHAKOOR, NADIA	3,035,914	SK BIOPHARMACEUTICALS,		STROHLA, NICHOLAS LEE	3,035,834
SHALAEV, EVGENYI	3,036,095	CO., LTD.	3,036,071	STROLIN, JOACHIM	3,036,001
SHANGHAI HAIHE		SKARSHESKI, PETER	3,035,668	STROLIN, JOACHIM	3,036,252
PHARMACEUTICAL CO.,		SKIBBE, KATHRIN	3,036,309	STRYKER CORPORATION	3,036,338
LTD.	3,036,114	SKINTECH LIFE SCIENCE		STUART, ADAM J.	3,036,167
SHANGHAI INSTITUTE OF		LIMITED	3,036,201	STUART, ADAM J.	3,036,238
MATERIA		SLABY, MICHAL	3,035,772	STUBLER, JEROME	3,036,135
MEDICA, CHINESE		SLEGEL, TIMOTHY	3,036,108	SU, MINGSHUN	3,035,828
ACADEMY OF SCIENCES	3,036,114	SLEGEL, TIMOTHY	3,036,118	SU, SHANCHUAN	3,035,917
SHANGHAVI, ADITYA	3,035,656	SLEGEL, TIMOTHY	3,036,125	SUAU, JEAN-MARC	3,036,254
SHAPIRO, LEV	3,036,217	SLOAN, PHILIP	3,035,838	SUDO, HIROKO	3,035,881
SHARKNINJA OPERATING		SLOAN, TRISTAN	3,036,285	SUGIMURA, TOMOKO	3,035,652
LLC	3,035,827	SMITH, DANIEL S.	3,035,742	SUGIYAMA, HIROSHI	3,035,882
SHARKNINJA OPERATING		SMITH, MICHAEL W.	3,036,100	SULLIVAN, MARK DANIEL	3,035,822
LLC	3,035,828	SMITH, RICHARD D.	3,035,818	SUMITOMO CHEMICAL	
SHARKNINJA OPERATING		SNOECK-HENKEMANS, DIRK	3,035,942	COMPANY, LIMITED	3,036,018
LLC	3,036,354	SNYDER, JARED S.	3,035,929	SUMITOMO METAL MINING	
SHARON, SIMON	3,036,156	SNYDER, JARED S.	3,036,193	CO., LTD.	3,035,740
SHARP KABUSHIKI KAISHA	3,035,658	SNYDER, KRISTINA	3,035,894	SUN, CHUNG-MING	3,036,250
SHE, BIN-RU	3,036,391	SNYDER, KRISTINA	3,036,229	SUN, GANGWEI	3,036,390
SHEN, KANYI	3,036,289	SNYDER, KRISTINA	3,036,231	SUN, JING	3,035,797
SHEN, MARCUS	3,036,087	SOCIETE SOPREMA SAS	3,036,188	SUN, LI-QIANG	3,035,697
SHEN, QIANQIAN	3,036,114	SOFTHALE NV	3,035,703	SUN, YUNDONG	3,035,951
SHENKAR ENGINEERING		SOKOLSKY, ALEXANDER	3,036,358	SUNNYBROOK RESEARCH	
DESIGN ART	3,036,271	SOLA MARTINEZ, ANA		INSTITUTE	3,036,142
SHIBATA, YOSHIHIRO	3,035,860	MARIA	3,035,701	SUR, BHASKAR	3,035,684
SHIMAKAGE, MASAYASU	3,036,160	SOLUBAG SPA	3,035,979	SURESH, RADHIKA	3,035,750
SHIMAKAGE, MASAYASU	3,036,337	SONG, NANMENG	3,035,681	SUTTERLIN, WILLIAM RUSTY	3,036,339
SHIMAZAKI, JUNETSU	3,036,102	SONG, YANLI	3,036,289	SUZUKI, DAISUKE	3,036,335
SHIMSHEK, DERYA	3,035,852	SONTHEIMER-PHELPS,		SUZUKI, KAZUO	3,035,808
SHIRAKAWA, SOHEI	3,036,073	ALEXANDRA	3,036,378	SUZUKI, YASUHIRO	3,035,719
SHORETENSION HOLDING		SONVEAUX, PIERRE	3,036,299	SUZUKI, YASUHIRO	3,035,870
B.V.	3,035,959			SUZUKI, YASUHIRO	3,035,879
				SWAX LAX LLC	3,035,903

Index des demandes PCT entrant en phase nationale

SWIFT BIOSCIENCES, INC.	3,035,698	THE GOVERNMENT OF THE	TIMASHOV, VICTOR	
SZALAY, GERGELY	3,035,647	UNITED STATES, AS	ALEXANDROVICH	3,036,261
SZASZ, RICHARD DEVIN	3,036,270	REPRESENTED BY THE	TIMBER STRUCTURES 3.0 AG	3,036,243
SZE, KEVIN C.	3,036,225	SECRETARY OF THE	TIPTON, WADE	3,035,638
TAAFFE, STEVEN JOHN	3,035,901	ARMY	TIVAS, ROY W.	3,035,904
TABATABAI, DANIEL	3,035,656	THE GOVERNORS OF THE	TIZZOTI, MORGAN	3,036,253
TAJ-SCHAAL, NAZHAT		UNIVERSITY OF	TKACZ, DAREK	3,036,374
FATIMA	3,035,763	ALBERTA	TOFWERK AG	3,036,058
TAKAGAHARA, KAZUHIKO	3,035,954	THE JOHNS HOPKINS	TOKUTOMI, HIROSHI	3,035,953
TAKANO, MASATOSHI	3,035,740	UNIVERSITY	TOMAKA, FRANK	3,035,759
TAKASAKA, NAOKI	3,036,232	THE LUBRIZOL	TOMES, DAVID	3,036,082
TAKAYANAGI, HIROSHI	3,036,164	CORPORATION	TOMINAGA, TATSUYA	3,036,256
TAKEDA PHARMACEUTICAL		THE LUBRIZOL	TOPICAL REMEDY, LLC	3,035,814
COMPANY LIMITED	3,036,349	CORPORATION	TORAY INDUSTRIES, INC.	3,035,881
TAKIZAWA, RYO	3,036,344	THE MOSAIC COMPANY	TORAY INDUSTRIES, INC.	3,035,954
TAKUBO, YOSUKE	3,036,035	THE PATENT WELL LLC	TOUKONIITTY, BLANKA	3,036,370
TAL OR ECOLOGY LTD.	3,036,217	THE PROCTER & GAMBLE	TOVAGLIERI, ALESSIO	3,036,378
TAMURA, KEN	3,036,035	COMPANY	TOYO AEROSOL INDUSTRY	
TAN, TOSHIROU	3,035,740	THE PROCTER & GAMBLE	CO., LTD.	3,036,162
TANAKA, TAKAHIRO	3,036,349	COMPANY	TRAN, ANTHONY	3,035,764
TANDUKAR, MADAN	3,036,066	THE PROCTER & GAMBLE	TRAN, ANTHONY	3,035,767
TANG, DAVID	3,036,097	COMPANY	TRAN, VAN HOAN	3,035,943
TANG, ZUPING	3,036,033	THE PROCTER & GAMBLE	TRANSWELL BIOTECH CO.,	
TANGE, SATOSHI	3,035,856	COMPANY	LTD.	3,036,388
TANIGUCHI, YOHEI	3,035,719	THE PROCTER & GAMBLE	TRANSWELL BIOTECH CO.,	
TANIGUCHI, YOHEI	3,035,870	COMPANY	LTD.	3,036,391
TANIMOTO, MASAYA	3,036,018	THE REGENTS OF THE	TREKACE TECHNOLOGIES	
TASCHUK, MICHAEL		UNIVERSITY OF	LTD.	3,036,151
THOMAS	3,036,106	CALIFORNIA	TREXO ROBOTICS INC.	3,036,279
TAYLOR, ROBERT C.	3,035,758	THE REGENTS OF THE	TREZZI, FABIO	3,035,923
TAYLOR, ROBERT C.	3,035,762	UNIVERSITY OF	TRISCO ICAP PTY LTD	3,035,668
TAYLOR, ROBERT C.	3,035,771	CALIFORNIA	TRISTRAM, IAN	3,035,668
TAYLOR, ROBERT C.	3,035,907	THE REGENTS OF THE	TRISTRAM, MICHAEL	3,035,668
TAYLOR, ROBERT JAMES	3,036,077	UNIVERSITY OF	TROCME, MAXIME	3,036,135
TE CONNECTIVITY		CALIFORNIA	TRUSTEES OF TUFTS	
CORPORATION	3,036,215	THE UNIVERSITY OF NORTH	COLLEGE	3,036,202
TEKNOS, THEODOROS	3,035,763	CAROLINA AT CHAPEL	TSAN, ALISON	3,036,119
TELESTE OYJ	3,035,793	HILL	TSENG, YUFENG JANE	3,036,250
TEMPLE UNIVERSITY - OF		THE UNIVERSITY OF	TSEPKALOV, ANDREY	
THE COMMONWEALTH		SYDNEY	ANATOLYEYEVICH	3,036,261
SYSTEM OF HIGHER		THE UNIVERSITY OF UTAH	TSUBOTA, KAZUO	3,035,651
EDUCATION	3,035,972	RESEARCH	TSUBOUCHI, MAKOTO	3,036,162
TEMPLE, SALLY	3,036,264	FOUNDATION	TSUCHIDA, HIROFUMI	3,036,121
TEREOS STARCH &		THE WILLAMETTE VALLEY	TSUNODA, SHINICHI	3,036,162
SWEETENERS BELGIUM	3,036,188	COMPANY	TUBBS, DONALD A.	3,036,347
TG THERAPEUTICS, INC.	3,035,976	THERRIEN, JASON E.	TUCKER, ADRIENNE MASON	3,035,795
THAYER, REBECCA E.	3,035,896	THEVENIER, ANNE	TULSA DENTAL PRODUCTS	
THE CHAMBERLAIN GROUP,		THOMAS, GEORGE ROBIN	LLC	3,036,224
INC.	3,035,765	AMBALATHINGAL	TULSA DENTAL PRODUCTS	
THE CHILDREN'S HOSPITAL		THOMPSON, CIARAN	LLC	3,036,363
OF PHILADELPHIA	3,035,628	SEOIRSE	TURLAY, EMMANUEL JEAN	
THE CHILDREN'S HOSPITAL		THOMPSON, JOHN P.	YVES	3,035,889
OF PHILADELPHIA	3,035,971	THOMPSON, JOHN P.	TURNER, CHRISTOPHER	
THE CHILDREN'S MEDICAL		THOMPSON, JOHN P.	WAYNE	3,036,283
CENTER CORPORATION	3,035,660	THOMPSON, JOHN P.	TURNER, MICHAEL	3,036,303
THE COCA-COLA COMPANY	3,036,203	THOMPSON, JOHN P.	TYERS, MARK	3,036,006
THE COUNCIL OF THE		THOMPSON, ZACHARY M.	TYLER, KENNETH	3,035,679
QUEENSLAND		THOMSON, ANDREW S.	TYLER, KENNETH LYLE	3,035,821
INSTITUTE OF MEDICAL		THORNE, JAMES	TYLER, PETER MICHAEL	3,036,113
RESEARCH	3,035,906	TIAN, HONGQI	TYRCHAN, CHRISTIAN	3,036,304
		TIBERG, FREDRIK	TYSEN, JULIE ELIZABETH	3,035,963
		TIEMAN, CRAIG A.	U.S. PATENT INNOVATIONS	
		TIFFANY, HENRY D.	LLC	3,035,656
		TIGERCAT INDUSTRIES INC.	UDASI, RAHUL	3,036,279

Index of PCT Applications Entering the National Phase

UDY, ADAM	3,036,354	VEOLIA WATER		WATER PIK, INC.	3,036,206
UEDA, IKUO	3,035,714	TECHNOLOGIES, INC.	3,035,969	WAVETRAIN SYSTEMS AS	3,036,037
UEDA, IKUO	3,035,858	VERESS, MATE	3,035,647	WEATHERALL, DOUGLAS	
UEDA, TAKEJI	3,035,863	VERO BIOTECH LLC	3,036,361	JAMES	3,036,277
UESUGI, MOTONARI	3,036,195	VESEY, GRAHAM	3,035,931	WEBER, CHRISTOPHER D.	3,035,940
ULLETT, JAMES M.	3,035,975	VIKAS, MARTIN KARL	3,036,365	WEBER, JEREMIE	3,035,836
UNAL, ALI	3,036,082	VILAETIS, KONSTANTINOS	3,036,177	WEI, JIAOLONG	3,036,033
UNGER, KYLE	3,036,066	VILLADSEN, JESPER		WEI, MING	3,035,779
UNITED STATES GYPSUM		SKOVBORG	3,035,958	WEISS, MICHAEL S.	3,035,976
COMPANY	3,035,967	VINCI CONSTRUCTION	3,036,135	WEISS, PHILIP LEONARD	3,036,185
UNITED STATES GYPSUM		VINYALS, ORIOL	3,036,067	WELCH, SHAWN	3,035,968
COMPANY	3,035,975	VISA INTERNATIONAL		WELL RESOLUTIONS	
UNIVERSITE CATHOLIQUE		SERVICE ASSOCIATION	3,035,663	TECHNOLOGY	3,036,373
DE LOUVAIN	3,036,299	VISCOP S.R.L.	3,035,987	WELLTEC OILFIELD	
UNIVERSITE D'EVRY VAL		VISEGRADY, TAMAS	3,036,108	SOLUTIONS AG	3,035,846
D'ESSONNE	3,035,868	VISELLI, ANTHONY M.	3,035,752	WENNBERG, RIKARD	3,035,930
UNIVERSITE DE LIEGE	3,035,686	VISSER, RIC	3,035,920	WERST, NATHAN E.	3,035,729
UNIVERSITE DE		VISSER, RIK	3,035,938	WESSEL, STEFAN WOUTER	3,035,957
STRASBOURG	3,036,188	VLP LIFT SYSTEMS, LLC	3,035,792	WESSELS, JAN	3,035,957
UNIVERSITY OF CANBERRA	3,035,806	VO, LINDA THUY	3,035,660	WEST INVEST S.A.	3,035,841
UNIVERSITY OF MAINE		VOELKER, CHRISTINE E.	3,036,055	WESTEN, PETER	3,035,968
SYSTEM BOARD OF		VONFELT, JEAN-JULIEN		WESTNEDGE, ANDREW J.	3,035,944
TRUSTEES	3,035,752	CAMILLE	3,036,147	WESTROCK PACKAGING	
UNIVERSITY OF		VOUGHT, MICHAEL L.	3,035,772	SYSTEMS, LLC	3,036,237
MASSACHUSETTS	3,035,810	VU, BRUNO	3,036,192	WETZSTEIN, JOEL DEAN	3,035,915
UNOLD, JOERG	3,036,360	VUCAK, MARIJAN	3,035,803	WEY, GENE ALAN	3,036,364
URAKABE, NOBUCHIKA	3,035,955	VUCAK, MARIJAN	3,035,935	WEYER-GEIGEL, KRISTINA	3,036,283
URBANIAK, DOUG	3,036,078	VUCAK, MARIJAN	3,035,937	WEYRAUCH, DETLEV	3,036,355
USAMI, TETSURO	3,035,724	WACHENDORFF-NEUMANN,		WEYRICH, ANDREW S.	3,035,770
USAMI, TETSURO	3,036,096	ULRIKE	3,036,290	WHITBY, PETER LIONEL	3,036,270
USG INTERIORS, LLC	3,035,756	WADA, YASUFUMI	3,036,349	WHITE, THEODORE CHARLES	3,036,054
UTTER, ROBERT	3,036,222	WAGENBACH, DAVID		WHITNEY, R. ROY	3,036,100
VALBURG, CHRIS DUNCAN	3,035,829	MICHAEL	3,036,185	WIETHE, ROBERT W.	3,036,382
VALE, DAVID	3,035,706	WAGNER, LORI L.	3,035,751	WIETHOFF, STEFAN	3,036,039
VALENTINE, KEENAN	3,035,431	WAHL, CHRISTOPHER LOREN	3,036,334	WIETHORN, JIM	3,035,820
VAN DEN HEIJKANT, JUUL		WAHL, CHRISTOPHER LOREN	3,036,364	WILCOX, DONALD E.	3,036,099
JOSEPHUS JOHANNES	3,035,920	WALCZYK, WOLFGANG	3,035,682	WILLI, JOHN MATTHEW	3,035,967
VAN DEN HEIJKANT, JUUL		WALDMANN, LUDGER	3,035,682	WILLIAMS, ANTHONY LYNN	3,036,070
JOSEPHUS JOHANNES	3,035,924	WALL, JONATHAN	3,035,666	WILLIAMS, DAVID	3,035,727
VAN DEN HEIJKANT, JUUL		WALMART APOLLO, LLC	3,035,758	WILLIAMSON, JIMMIE	
JOSEPHUS JOHANNES	3,035,946	WALMART APOLLO, LLC	3,035,762	ROBERT, JR.	3,036,227
VAN DEN OORD, AARON		WALMART APOLLO, LLC	3,035,771	WILSON, DAVID JAMES	3,035,923
GERARD ANTONIUS	3,036,067	WALMART APOLLO, LLC	3,035,907	WILSON, SIMON	3,035,855
VAN DER BURG, GERRIT	3,035,959	WALMART APOLLO, LLC	3,035,970	WINDISCH, MANFRED	3,036,134
VAN DER MEI, HENDERINA		WALMART APOLLO, LLC	3,036,077	WINKLE, DAVID C.	3,035,758
CATHARINA	3,035,957	WALMART APOLLO, LLC	3,036,220	WINKLE, DAVID C.	3,035,762
VAN ESSCHE, LUC	3,035,985	WALMART APOLLO, LLC	3,036,381	WINKLE, DAVID C.	3,035,771
VAN HEE, VINCENT	3,036,299	WALNAB PTY LTD	3,036,098	WINKLE, DAVID C.	3,035,907
VAN REE, RUDOLF	3,035,946	WALSH, CONNOR	3,035,929	WINKLE, DAVID C.	3,035,970
VAN WIJHE BEHEER B.V.	3,035,957	WALSH, CONNOR	3,036,193	WINTER, ARNO	3,035,688
VAN WIJHE, MARIE LOUISE	3,035,957	WALSH, EDWIN GERARD	3,036,068	WIRTZ, MICHELLE	3,035,913
VAN WILLIGEN, WILLEM		WALTERS, HAROLD		WISCONSIN ALUMNI	
ARNOLD	3,035,826	GRAYSON	3,036,129	RESEARCH	
VANDERWOUDE, BRIAN J.	3,036,338	WANG, ANLAI	3,036,358	FOUNDATION	3,036,233
VANIER, NOEL R.	3,035,760	WANG, GE	3,035,951	WOBBEN PROPERTIES GMBH	3,036,124
VASGAARD, AARON JAMES	3,036,077	WANG, JINGJING	3,035,680	WOBBEN PROPERTIES GMBH	3,036,280
VASQUES, RICARDO REVES	3,035,846	WANG, PENG	3,036,369	WOIAS, PETER	3,036,292
VAUGHN, ERIC MARTIN	3,036,293	WANG, TAO	3,035,697	WOLF-GARRAWAY,	
VAUGHN, ERIC MARTIN	3,036,386	WANG, TSILI	3,036,373	RICHARD	3,036,111
VAYSER, ALEX	3,036,209	WANG, YINGFEI	3,035,757	WONG, PIERRE	3,036,212
VECHORKIN, OLEG	3,036,358	WANG, YUEYING	3,035,989	WONG, TERRY WAYNE	3,035,730
VEDER, JOHN T.	3,035,568	WANG, ZHIMING	3,036,277	WONG, TERRY WAYNE	3,035,733
VENGROFF, DARREN ERIK	3,036,221	WARPINSKI, NORMAN R.	3,036,129	WOODS, BENJAMIN	3,036,326
VENTURA, DARRYL	3,035,750	WATANABE, KEN	3,036,102	WOODS, MICHAEL JANUSZ	3,036,208

Index des demandes PCT entrant en phase nationale

WOORI TECHNOLOGIES CORPORATION	3,035,723	YUI, HAJIME	3,036,073
WRAY, LINDSAY	3,035,839	ZAHEDIVASH, AYDIN	3,035,743
WRIGHT, BRYAN D.	3,036,347	ZAK, MARK	3,035,712
WU, JIANHUI	3,035,738	ZAKHAROV, DMITRIY BORISOVICH	3,035,884
WU, SHENPING	3,036,232	ZANELLA, MARK FLORI, SR.	3,035,596
WU, WENGEN	3,036,202	ZAWADZKI, RY	3,035,978
WU, YUNPING	3,035,673	ZD EXPLOITATIE B.V.	3,035,848
WYATT, GARY DONALD	3,036,210	ZEALAND PHARMA A/S	3,035,958
WYATT-MAIR, GAVIN	3,036,082	ZEISLMEIER, HELMUT	3,035,992
WYPYCH, WOJCIECH PIOTR	3,036,342	ZENG, XIANGHE	3,035,998
XACT ROBOTICS LTD.	3,036,156	ZENG, XIANGHE	3,036,002
XCELL MEDICAL SOLUTIONS, S.L.	3,035,701	ZENG, XIANWU	3,036,120
XIANG, BANGLIN	3,036,289	ZENKINA, YANA VLADIMIROVNA	3,035,884
XIAO, XUAN	3,036,033	ZHANG, JIALING	3,035,743
XIE, CHENG	3,035,680	ZHANG, JIANBIN	3,035,780
XIE, WEIYONG	3,036,289	ZHANG, QIANRU	3,035,989
XIONG, JIAN	3,035,680	ZHANG, SHAOJIE	3,035,810
XIONG, YUANFANG	3,036,114	ZHANG, YANAN	3,036,382
XU, HAO	3,035,797	ZHANG, ZHONGXING	3,035,697
XU, JIANFEI	3,035,998	ZHAO, PEI	3,035,957
XU, JIANFEI	3,036,002	ZHAO, ZHAO	3,036,114
XU, ZUOSHANG	3,035,810	ZHAO, ZIPENG	3,036,289
YAKOVLEV, VADIM ANATOL'YEVICH	3,035,884	ZHENG, QUANLING	3,035,864
YALE SECURITY, INC.	3,036,212	ZHENG, SHIJUN	3,036,369
YAMAGUCHI, ICHIRO	3,035,870	ZHOU, CHENGXIANG	3,035,779
YAMAKOSHI, YUJI	3,036,345	ZHOU, LICHANG	3,035,923
YAMAMOTO, KEIICHI	3,036,256	ZHOU, YONGQUAN	3,035,783
YAMASAKI, MASASHI	3,036,349	ZHU, JULIANG	3,035,697
YAMIN, FEREIDOUN	3,035,873	ZHU, KANGYING	3,035,786
YAN, FENG	3,035,656	ZHU, ZHIMEI	3,035,989
YANCEY, KENNETH G.	3,035,853	ZHUANG, TAISEN	3,035,656
YANEGIJUTSUKENKYUJO CO., LTD.	3,036,341	ZIMMERMAN, GUY A.	3,035,770
YANG, CHUNXING	3,035,810	ZOELLIN, CHRISTIAN	3,036,108
YANG, DONGGE	3,035,681	ZOELLIN, CHRISTIAN	3,036,118
YANG, RUI	3,035,973	ZOGENIX INTERNATIONAL LIMITED	3,035,832
YANG, YAPING	3,035,681	ZOLLIG, STEFAN	3,036,243
YANG, YONGHUA	3,036,092	ZORNER, PAUL S.	3,036,072
YAO, WENQING	3,036,358	ZORNER, PAUL S.	3,036,343
YAO, YUCAI	3,036,114	ZUITLIN, ROEY	3,036,332
YASAKA, KENJI	3,036,335		
YE, HAI-FEN	3,036,358		
YE, QINDA	3,036,358		
YEDA RESEARCH AND DEVELOPMENT CO. LTD.	3,036,328		
YEUNG, KAP-SUN	3,035,697		
YI, CHONG HUN	3,036,215		
YIFRACH, AHARON	3,036,332		
YOAKIM, ALFRED	3,036,371		
YOKOYAMA, ITARU	3,036,102		
YONEKURA, KENGO	3,036,121		
YONEKURA, KENGO	3,036,335		
YOSHINO GYPSUM CO., LTD.	3,036,102		
YOSHINO KOGYOSHO CO., LTD.	3,035,724		
YOSHINO KOGYOSHO CO., LTD.	3,036,096		
YOST, CHRISTIAN CON	3,035,770		
YU, LIANBO	3,035,763		
YUAN, HENGLI	3,035,951		
YUAN, YIMIN	3,035,652		

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

ABOVITZ, RONY	3,035,118	FRAZIER, GARRETT	3,035,430	OMIDYAR, PIERRE M.	3,035,637
ACCENTURE GLOBAL SERVICES LIMITED	3,035,676	FRAZIER, W. LYNN	3,035,430	PANZARA, MICHAEL	3,031,792
ACERUS BIOPHARMA INC.	3,034,552	GOMBERT, FRANK	3,035,941	PARKER, CHARLES D.	3,036,180
ALKERMES PHARMA IRELAND LIMITED	3,035,442	GOOGLE LLC	3,035,500	PATEL, SHWETAK N.	3,035,892
ALMARSSON, ORN	3,035,442	GREENAN, IAIN	3,036,180	PENNY, GLENN S.	3,035,694
AMARAVADI, LAKSHMI	3,031,792	GRIPMETAL LIMITED	3,034,595	PHAM, NGHI	3,034,595
ANVIL INTERNATIONAL, LLC	3,035,182	GUNTER, JOHN B.	3,035,478	PODGURNY, LEONARD JOHN	3,033,823
ARBESMAN, RAY	3,034,595	GUPTA, SIDHANT	3,035,892	POLYPHOR LTD.	3,035,941
BALASUBRAMANIAN, MUTHU GOPAL	3,035,925	HANCOCK, CHRISTOPHER PAUL	3,035,423	POMPER, MARTIN G.	3,035,532
BAR-OR, JONATHAN	3,033,963	HAREL, HAIM	3,035,500	POPE, RHALL E.	3,033,637
BARBOUR, ROBIN MCDAID	3,031,792	HARRIS, JASON	3,035,218	PRATT, MARK	3,035,218
BARKER, MARK E.	3,035,449	HENZE, HEIKO	3,035,941	PROSTAR GEOCORP, INC.	3,034,837
BECKNER, MARK	3,034,837	HONG, STANLEY S.	3,035,218	PY, DANIEL	3,035,581
BELKIN INTERNATIONAL, INC.	3,035,892	HU, ZHIHAO	3,035,878	RANGARAMANUJAM, KANNAN	3,035,502
BERGER, VALERIY K.	3,035,478	HUMPAL, RICHARD A.	3,035,449	RAY, SANGEETA	3,035,532
BERMAN, GEORGE	3,035,478	IANNUZZELLI, RUSSELL	3,035,925	REED, MARK T.	3,035,218
BHUTTO, IMRAN	3,035,502	IBIQUITY DIGITAL CORPORATION	3,035,925	REG LIFE SCIENCES, LLC	3,035,878
BIOGEN MA INC.	3,031,792	ILLUMINA, INC.	3,035,218	REMENAR, JULIUS F.	3,035,442
BIONESS NEUROMODULATION LTD.	3,033,963	JOHNSON, ERNEST K., JR.	3,035,676	REYNOLDS, MATTHEW S.	3,035,892
BLOMQUIST, MICHAEL L.	3,033,637	JONES, SCOTT AUSTIN	3,034,837	RINGER, YORAM	3,035,182
BLUMBERG, LAURA COOK	3,035,442	JUNG, FRANCOISE	3,035,941	SAUNDERS, BRIAN	3,035,423
BRYANT, JASON	3,035,218	KAMBHAMPATI, SIVA PRAMODH	3,035,502	SAWYER, TOM Y., JR.	3,034,837
BUERMANN, DALE	3,035,218	KIDDY, JASON SCOTT	3,036,180	SELLIER, ODILE	3,035,941
CANADIAN NATIONAL RAILWAY COMPANY	3,033,823	KINDWALL, ALEXANDER P.	3,035,218	SHALEV, YOSSEF	3,033,963
CARPON, ANDREW JAMES	3,035,218	KREPPNER, WAYNE	3,034,552	SMITHS MEDICAL ASD, INC.	3,033,637
CHAMPAGNE, LAKIA M.	3,035,694	LEMBCKE, JEFFREY JOHN	3,036,180	SUBRAMANYAM, MEENA	3,031,792
CHEN, PHIL F.	3,035,500	LETT, NATHAN L.	3,035,694	TAYLOR, JULIE ELIZABETH	3,031,792
CHEN, YING	3,035,532	LEUNG, PATRICK	3,035,218	TERRY, SEAN	3,035,335
COKER, JIM	3,035,478	LOWENBERG, COLIN	3,035,676	THE JOHNS HOPKINS UNIVERSITY	3,035,502
CRANE, BRYAN	3,035,218	LUDIN, CHRISTIAN	3,035,941	THE JOHNS HOPKINS UNIVERSITY	3,035,532
CREO MEDICAL LIMITED	3,035,423	LUMINATOR HOLDING LP	3,035,478	TUCKER, PAGE	3,034,837
DAFONSECA, ODAIR	3,035,182	LUTTY, GERARD	3,035,502	UNIVERSITAT ZURICH	3,035,941
DANIELS, ROGER E.	3,035,449	LYNN, FRANCES	3,031,792	VALLE, FERNANDO	3,035,878
DAR, AMIT	3,033,963	LYRAS, DIMITRIS	3,035,678	VERKADE, DREW	3,035,218
DAVISSON, MARK J.	3,035,676	MACKELVIE, WINSTON	3,034,595	WAKSHULL, ERIC	3,031,792
DEERE & COMPANY	3,035,449	MAES, PAUL JOSE PIERRE MARIE	3,034,552	WANG, MARK	3,035,218
DEMARCO, STEVEN J.	3,035,941	MAGIC LEAP, INC.	3,035,118	WASHBURN, LAIRD	3,035,335
DISMUKE, KEITH INGRAM	3,035,694	MAGNUM OIL TOOLS INTERNATIONAL, LTD	3,035,430	WEATHERFORD TECHNOLOGY HOLDINGS, LLC	3,036,180
DOOLEY, MIKE	3,035,182	MATTSON, STEPHEN DOUGLAS	3,035,925	WHITE, MALCOLM	3,035,423
DR. PY INSTITUTE LLC	3,035,581	MEASE, RONNIE C.	3,035,532	WILLIAMSON, ERIK	3,035,218
EBAY INC.	3,035,637	MISHRA, MANOJ	3,035,502	YOGESWARAN, KARTHIK	3,035,892
EBBUTT, JULIAN MARK	3,035,423	MITCHELL, STEPHEN	3,035,182	ZEIDAN, TAREK A.	3,035,442
ERIE, FREDERICK	3,035,218	MOEHLE, KERSTIN	3,035,941	ZELENEV, ANDREI	3,035,694
ERNESAKS, ANITA	3,033,823	MORRIS, STEVEN	3,035,423	ZHOU, BILL	3,035,694
EVANS, WILLIAM JAMES	3,033,637	NATHAN, ROGER	3,033,963	ZLOTNIKOV, VADIM	3,035,478
FLOTEK CHEMISTRY, LLC	3,035,694	NUVO RESIDENTIAL, LLC DBA NUVOH2O	3,035,335		
FOGARTY, SIOBHAN	3,034,552	OBeregger, WERNER	3,034,552		
FRAZIER, DERRICK	3,035,430	OBRECHT, DANIEL	3,035,941		