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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.

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

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

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Table of Contents

Table des matières

Notices	
Avis	1
Canadian Patents Issued	
Brevets canadiens délivrés	25
Canadian Applications Open to Public Inspection	
Demandes canadiennes mises à la disponibilité du public.....	67
PCT Applications Entering the National Phase	
Demandes PCT entrant en phase nationale	82
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	202
Index of Canadian Patents Issued	
Index des brevets canadiens délivrés	214
Index of Canadian Applications Open to Public Inspection	
Index des demandes canadiennes mises à la disponibilité du public	222
Index of PCT Applications Entering the National Phase	
Index des demandes PCT entrant en phase nationale	225
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	246

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:

2,914,598 (Published October 24, 2017)

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 :

2,914,598 (Publié le 24 octobre 2017)

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 January 1, 2017

1. Transmittal Fee (Rule 14)	\$300
2. International Filing Fee	\$1792*
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 1 janvier 2017

1. Taxe de transmission (Règle 14)	300 \$
2. Taxe de dépôt internationale	1792 \$*
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)) \$269

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

* International fees will be reduced by:

- \$269 for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- \$404 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) 269 \$

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

* Les frais seront réduits de:

- 269 \$ pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- 404 \$ 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.

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

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

14. Correspondence Procedures

June 20, 2017

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

This notice will replace all previous notices regarding Correspondence Procedures.

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

1. Physical Delivery of Correspondence to CIPO

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

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

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

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

14. Procédures de correspondance

le 20 juin, 2017

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

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

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

1. Livraison en personne de correspondance à l'OPIIC

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

Avis

Registrar of Trade-marks, the Copyright Office, the Industrial Design section of the Office of the Commissioner of Patents, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

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

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

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

The Fee Payment Form should always be submitted as a covering document and should be the only document submitted to CIPO that contains financial information, such as credit card numbers.

Download the [Fee Payment Form](#).

1.1 Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered **in person**:

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

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday
2. Innovation, Science and Economic Development
Canada
Sun Life Building
1155 Metcalfe Street, Room 950
Montreal QC H3B 2V6

du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, de la Section des dessins industriels du Bureau du commissaire aux brevets, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC ») est la suivante :

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

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

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

Le formulaire de paiements devrait toujours être présenté comme page couverture et devrait être le seul document soumis à l'OPIC contenant de l'information financière telle que les numéros de carte de crédit.

Téléchargez le [formulaire de paiements](#).

1.1 Établissements désignés

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

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

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi
2. Innovation, Sciences et Développement économique
Canada
Édifce Sun Life
1155, rue Metcalfe, bureau 950
Montréal (Québec) H3B 2V6

Notices

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Avis

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

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

2. Electronic Correspondence

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

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

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

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

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

établissements ou des bureaux désignés auxquels la correspondance adressée au commissaire aux brevets, au Registraire des marques de commerce, au Bureau du droit d'auteur ou au Registraire des topographies peut être livrée.

L'OPIC considère que la correspondance livrée par l'entremise des services Courrier recommandé^{MC} et Xpresspost^{MC} de Postes Canada sont reçus par l'OPIC le jour indiqué sur le reçu de confirmation émis par Postes Canada, ou si l'OPIC est fermé au public ce jour-là, le jour de la réouverture de l'OPIC.

2. Correspondance électronique

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

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

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

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

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

Notices

2.1 Facsimile

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

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

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

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

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

Patents

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

2.2 Online

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

Patents

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

- [filing an application](#) (regular application);
- [filing a request for national entry](#);
- [filing an international application](#) (PCT Safe or ePCT);
- [general correspondence relating to applications and patents](#);
- [maintaining the name of a patent agent on the register](#)

2.1 Correspondance par télécopieur

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

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

La correspondance qui est transmise par télécopieur à tout autre numéro de télécopieur que ceux qui sont indiqués ci-dessus, y compris ceux d'établissements ou de bureaux désignés, sera réputée non reçue.

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

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

Brevets

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

2.2 En ligne

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

Brevets

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

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

Avis

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

Trademarks

For the purpose of subsection 3(6) of the Trade-marks Regulations, the following correspondence addressed to the Registrar of Trade-marks may be sent electronically by accessing the following pages:

- [filing a new or revised trademark application;](#)
- [renewal of a trademark registration;](#)
- [request to enter a name on the list of trademark agents;](#)
- [annual renewal of a trademark agent;](#)
- [requesting copies of trademark documents;](#)
- [filing of a declaration of use;](#)
- [registration of a trademark application;](#)
- [statement of Opposition;](#) and
- [extensions of time in trademark opposition cases](#)

Copyright

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

- [application for registration of a copyright in a work,](#)
- [application for registration of a copyright in a performer's performance, sound recording or a](#)

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

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

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

Marques de commerce

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

- [nouvelle demande ou demande modifiée d'enregistrement de marque de commerce;](#)
- [renouvellement de l'enregistrement d'une marque de commerce;](#)
- [demande d'inscription d'un nom à la liste des agents de marques de commerce;](#)
- [renouvellement annuel d'un agent de marques de commerce;](#)
- [commande de copies de documents de marques de commerce,](#)
- [dépôt d'une déclaration d'emploi;](#)
- [l'enregistrement d'une marque de commerce](#)
- [dépôt d'une déclaration d'opposition;](#) et
- [demande de prolongation de délai dans une procédure d'opposition.](#)

Droits d'auteur

Aux fins du paragraphe 2(6) du Règlement sur le droit d'auteur, la correspondance indiquée ci-dessous qui est adressée au Bureau du droit d'auteur peut être transmise par voie électronique. Pour ce faire, il faut accéder aux pages suivantes :

- [demande d'enregistrement d'un droit d'auteur sur une œuvre,](#)
- [demande d'enregistrement d'un droit d'auteur sur une prestation, un enregistrement sonore ou un signal de](#)

Notices

- [communication signal](#);
- [filing a grant of interest](#);
- [request for certificate of correction](#);
- [ordering copies in paper, or electronic form of a document](#); and
- [general correspondence relating to copyright](#).

- [communication](#);
- [dépôt d'une concession d'intérêt](#);
- [demande de certificat de correction](#);
- [commande de copies des documents papier ou électroniques](#) et
- [correspondance générale relative aux droits d'auteur](#).

Industrial Designs

For the purpose of subsection 3(6) of the Industrial Design Regulations, the following correspondence addressed to the Commissioner of Patents may be sent electronically, by accessing the following pages:

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

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

Topographies de circuits intégrés

Aux fins du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance indiquée ci-dessous qui est adressée au registraire des topographies peut être transmise par voie électronique. Pour ce faire, il faut accéder à la page suivante :

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

2.3 Electronic medium

Patents

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

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

With regards to sequence listings under Rule 111 of the Patent Rules, the electronic medium must be separate from any electronic medium which may be filed containing parts of the

2.3 Supports électroniques

Brevets

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

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

En ce qui concerne les listages des séquences prévus à l'article 111 des Règles sur les brevets, le support électronique doit être distinct de tout support électronique qui peut être déposé et qui

Avis

application itself or amendment(s) thereof.

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

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

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

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

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

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

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

For the purpose of processing the international application, the Canadian receiving Office requires two (2) additional copies of the electronic media containing the sequence listing and/or tables in electronic form, accompanied by a statement that the sequence listings and/or tables contained in the copies are identical to those in electronic form as filed.

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

Electronic Media accepted by the Patent Office

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

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

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

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

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

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

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

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

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

Supports électroniques acceptés par le Bureau des brevets

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

Notices

the PCT Administration Instructions.

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

3. Details concerning the electronic formats accepted

Patents

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

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

When applicable, the Patent Office will accept files in the TIFF, PDF and ASCII format when they comply with the following specifications:

TIFF Format:

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

PDF Format:

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

F des Instructions administratives du PCT.

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

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

Format TIFF

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

Format PDF

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

Avis

ASCII

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

Industrial Design

For the purposes of subsection 3(6) of the Industrial Design Regulations, the acceptable file formats for documents submitted electronically using the relevant links set out in [section 2.2](#) of these correspondence procedures are: TIFF, JPEG, WPD and Doc. In order to get a correspondence date, the Office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the Office will request the documents to be replaced by documents in one of the acceptable formats and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

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

TIFF Format:

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

Photographs in JPEG Format:

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

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

ASCII

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

Dessins industriels

Aux fins des paragraphes 3(6) et 12(3) du Règlement sur les dessins industriels, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à [l'article 2.2](#) de ces procédures de correspondance sont : TIFF, JPEG, WPD et DOC. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats, à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers présentés dans un des formats acceptables, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents déposés à l'origine.

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

Format TIFF :

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

Photographies en format JPEG :

- Compression JPEG, échelle de gris de 8 bits (256 tons de gris)
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po
- Résolution : 300 ppp

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

Notices

4. General Information

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

5. Statutory Holidays

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

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

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

CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly, where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that he or she is properly entitled to any needed extension of the time limit.

4. Renseignements généraux

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

5. Jours fériés

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

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

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

En pratique, l'OPIC n'a aucun moyen de faire le suivi sur les établissements auxquels des documents sont livrés. Par conséquent, si le délai pour le dépôt d'un document tombe un jour férié provincial ou territorial et qu'une personne le livre seulement le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement qui justifierait une prorogation du délai. Dans de telles circonstances, il incombe au déposant de s'assurer qu'il a droit à une telle prorogation.

Time limits under the Patent and Trade-marks Acts

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

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

Time limits under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

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

Délais prévus dans le Traité de coopération en matière de brevets

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

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

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

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

L'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.

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

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

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

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

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

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

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

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

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or electronically using the relevant links set out in section 2.2 of these correspondence procedures. Documents may continue to be faxed to CIPO at 819-953-CIPO (953-2476); however date-sensitive material requiring fee payment that is sent by fax must be accompanied by a VISA, MasterCard, or American Express credit card number, or CIPO

6. Procédures en cas de fermeture des bureaux

Dans une **situation d'urgence**, l'OPIC s'efforcera de demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

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

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

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

Les clients sont **fortement encouragés** à faire parvenir les documents assujettis à des délais précis par Postes Canada par Courrier recommandé^{MC}, par Xpresspost^{MC} ou par voie électronique en utilisant les liens spécifiés à l'article 2.2 de ces procédures de correspondance. Il est toujours possible de télécopier des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des frais sont exigés, envoyés par

Notices

deposit account number.

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

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.

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.

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.

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.

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 November 14, 2017 contains applications open to public inspection from October 29, 2017 to November 4, 2017.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 14 novembre 2017 contient les demandes disponibles au public pour consultation pour la période du 29 octobre 2017 au 4 novembre 2017.

16. Erratum

The information concerning the following application numbers was missing from the *Canadian Patent Office Record* of November 7, 2017 under the section *PCT Applications Entering the National Phase*. Please note that the information is included this week, under the same section, in addition to the regularly scheduled applications.

16. Erratum

Les renseignements concernant les demandes suivantes sont manquants de la rubrique *Gazette du Bureau des brevets* du 7 novembre 2017 sous la section *Demandes PCT entrant en phase nationale*. Veuillez noter que cet information est inclus cette semaine, sous la même section, en addition des demandes régulières.

2964304
2964957
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2976332
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2978958
2979043
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2979053

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2964964
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2965172
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2965256
2965262
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2976332
2978348
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2978958
2979043
2979050

Notices

2979054
2979071
2979073
2979075
2979206

2979053
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2979206

17. Erratum

The information concerning the following application numbers was missing from the *Canadian Patent Office Record of November 7, 2017* under the section *PCT Applications Entering the National Phase*. Please note that the information is included this week, under section *Canadian Divisional and Previously Unavailable Applications Open to Public Inspection*.

2927789
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2964903
2964924
2964933
2964936
2964945
2964987
2964989
2964992
2964994
2965005
2965007

17. Erratum

Les renseignements concernant les demandes suivantes sont manquants de la rubrique *Gazette du Bureau des brevets* du 7 novembre 2017 sous la section *Demandes PCT entrant en phase nationale*. Veuillez noter que cet information est inclus cette semaine, sous la section *Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant*.

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2965018
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2965291
2977184
2977206

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November 14, 2017

Brevets canadiens délivrés

14 novembre 2017

[11] **2,563,666**
[13] C

[51] **Int.Cl. C07K 14/47 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/30 (2006.01)**

[25] EN

[54] **DIFFERENTIALLY EXPRESSED CLAUDIN-18 VARIANTS IN TUMORS AND USE THEREOF**

[54] **VARIANTES DE LA PROTEINE CLAUDIN-18 D'EXPRESSION DIFFERENTIELLE DANS LESTUMEURS ET LEUR UTILISATION**

[72] TUERECI, OEZLEM, DE

[72] SAHIN, UGUR, DE

[72] KOSLOWSKI, MICHAEL, DE

[72] FRITZ, STEFAN, DE

[72] GEPPERT, HARALD-GERHARD, DE

[73] GANYMED PHARMACEUTICALS AG, DE

[85] 2006-10-19

[86] 2005-05-18 (PCT/EP2005/005410)

[87] (WO2005/113587)

[30] DE (10 2004 024 617.3) 2004-05-18

[11] **2,577,556**
[13] C

[51] **Int.Cl. B61L 17/02 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR FORECASTING THE COMPOSITION OF AN OUTBOUND TRAIN IN A SWITCHYARD**

[54] **SYSTEME ET METHODE POUR PREVOIR LA COMPOSITION D'UN TRAIN EN PARTANCE DANS UNE COUR DE TRIAGE**

[72] MUINONEN, KARI, CA

[72] MORENCY, VINCENT, CA

[72] BARKER, MATTHEW, CA

[73] CANADIAN NATIONAL RAILWAY COMPANY, CA

[86] (2577556)

[87] (2577556)

[22] 2007-02-06

[30] CA (2,568,411) 2006-11-17

[11] **2,596,273**
[13] C

[51] **Int.Cl. C12N 15/13 (2006.01) A61K 38/17 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C07K 16/40 (2006.01) C12N 5/16 (2006.01) C12N 15/63 (2006.01) C12P 21/08 (2006.01) G01N 33/574 (2006.01) C07K 14/705 (2006.01) C12N 9/64 (2006.01)**

[25] EN

[54] **ADAM-9 MODULATORS**

[54] **MODULATEURS ADAM-9**

[72] MATHER, JENNIE, US

[72] LOO, DERYK, US

[73] RAVEN BIOTECHNOLOGIES, INC., US

[85] 2007-07-27

[86] 2006-02-02 (PCT/US2006/003748)

[87] (WO2006/084075)

[30] US (60/649,787) 2005-02-02

[11] **2,597,192**
[13] C

[51] **Int.Cl. B65D 51/20 (2006.01) B65B 7/16 (2006.01) B65B 51/04 (2006.01) B65D 43/04 (2006.01) B65D 51/18 (2006.01) B65D 53/08 (2006.01)**

[25] EN

[54] **RECLOSABLE PACKAGE FOR A PRODUCT**

[54] **EMBALLAGE REFERMABLE POUR UN PRODUIT**

[72] HARLFINGER, CHARLES E., US

[73] C-PAK, LLC, US

[86] (2597192)

[87] (2597192)

[22] 2007-08-13

[30] US (11/600,601) 2006-11-16

[11] **2,598,577**
[13] C

[51] **Int.Cl. A61B 5/00 (2006.01)**

[25] EN

[54] **ICONIC DISPLAY OF MARKERS FOR A METER**

[54] **AFFICHAGE ICONIQUE DE MARQUEURS POUR INSTRUMENT DE MESURE**

[72] GUARINO, JULIANNE M., US

[72] HUANG, DIJIA, US

[72] BROWN, DANIEL V., US

[72] BURNS, LAWRENCE J., US

[73] ASCENSIA DIABETES CARE HOLDINGS AG, CH

[85] 2007-08-21

[86] 2006-02-21 (PCT/US2006/006036)

[87] (WO2006/091564)

[30] US (60/655,104) 2005-02-22

[11] **2,609,361**
[13] C

[51] **Int.Cl. A61K 35/28 (2015.01) C12N 5/077 (2010.01) C12N 5/0775 (2010.01)**

[25] EN

[54] **METHODS OF USING ADIPOSE TISSUE-DERIVED CELLS IN THE TREATMENT OF CARDIOVASCULAR CONDITIONS**

[54] **PROCEDES D'UTILISATION DE CELLULES DERIVEES DE TISSUS ADIPEUX DANS LE TRAITEMENT DE MALADIES CARDIOVASCULAIRES**

[72] FRASER, JOHN K., US

[72] HEDRICK, MARC H., US

[72] ZHU, MIN, US

[72] STREAM, BRIAN M., US

[72] DANIELS, ERIC, US

[72] WULUR, ISABELLA, US

[73] CYTORI THERAPEUTICS, INC., US

[85] 2007-11-22

[86] 2005-05-25 (PCT/US2005/018605)

[87] (WO2006/127007)

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14 novembre 2017**

[11] **2,627,397**
[13] C

[51] **Int.Cl. H04B 1/69 (2011.01) H04J 13/00 (2011.01)**

[25] EN

[54] **A METHOD AND A TELECOMMUNICATION DEVICE FOR SELECTING A NUMBER OF CODE CHANNELS AND AN ASSOCIATED SPREADING FACTOR FOR A CDMA TRANSMISSION**

[54] **PROCEDE ET DISPOSITIF DE TELECOMMUNICATIONS POUR SELECTIONNER UN NOMBRE DE CANAUX DE CODAGE ET UN FACTEUR DE DIFFUSION ASSOCIE DANS LE CAS D'UNE TRANSMISSION AMRC**

[72] MICHEL, JUERGEN, DE
[72] RAAF, BERNHARD, DE
[73] NOKIA SOLUTIONS AND NETWORKS GMBH & CO. KG, DE

[85] 2008-04-25
[86] 2006-10-23 (PCT/EP2006/067658)
[87] (WO2007/048768)
[30] EP (05023669.4) 2005-10-28

[11] **2,643,952**
[13] C

[51] **Int.Cl. A61B 5/0408 (2006.01) A61B 5/0448 (2006.01) A61N 1/04 (2006.01) A61B 5/0478 (2006.01) A61B 5/0492 (2006.01) A61B 18/14 (2006.01)**

[25] EN

[54] **BIOMEDICAL ELECTRODE CONNECTORS**

[54] **CONNECTEUR D'ELECTRODE BIOMEDICALE**

[72] MEYER, PETER, US
[72] TREMBLAY, KATHLEEN, US
[72] SHOUM, JOSEPH R., US
[72] CABLE, FRANK, US
[72] TAUER, MARK, US
[72] SELVITELLI, DAVID, US
[72] COPP-HOWLAND, WARREN W., US
[73] KPR U.S., LLC, US

[86] (2643952)
[87] (2643952)
[22] 2008-11-17
[30] US (61/012,817) 2007-12-11

[11] **2,653,317**
[13] C

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

[25] EN

[54] **INJECTION DEVICE WITH A DAMPING MEANS ON THE TRIGGER**

[54] **DISPOSITIF D'INJECTION AVEC DES MOYENS D'AMORTISSEMENT DU DECLENCHEUR**

[72] HARRISON, NIGEL DAVID, GB
[72] JENNINGS, DOUGLAS IVAN, GB
[73] CILAG GMBH INTERNATIONAL, CH

[85] 2008-11-25
[86] 2007-05-30 (PCT/GB2007/001992)
[87] (WO2007/138313)
[30] GB (0610860.9) 2006-06-01

[11] **2,654,617**
[13] C

[51] **Int.Cl. G06Q 40/08 (2012.01)**

[25] EN

[54] **REVISING CONTAINERIZED PROCESSING LOGIC FOR USE IN INSURANCE CLAIM PROCESSING**

[54] **REVISION DE LA LOGIQUE DE TRAITEMENT DES FLUX CONTENEURISES POUR L'ADAPTER AU TRAITEMENT DES DEMANDES DE REGLEMENT**

[72] THOLL, ROB, CA
[72] LEUNG, RAYMOND, CA
[72] RUSSELL, CLAYTON, CA
[73] EMERGIS INC., CA

[86] (2654617)
[87] (2654617)
[22] 2009-02-18

[11] **2,654,684**
[13] C

[51] **Int.Cl. H04H 60/29 (2009.01) H04H 60/63 (2009.01) H04H 60/65 (2009.01)**

[25] EN

[54] **METHODS AND APPARATUS TO MONITOR ADVERTISEMENT EXPOSURE**

[54] **METHODES ET DISPOSITIF PERMETTANT DE CONTROLER UNE EXPOSITION PUBLICITAIRE**

[72] RAMASWAMY, ARUN, US
[73] THE NIELSEN COMPANY (US), LLC, US

[86] (2654684)
[87] (2654684)
[22] 2009-02-19
[30] US (61/029,744) 2008-02-19
[30] US (12/204,297) 2008-09-04

[11] **2,663,980**
[13] C

[51] **Int.Cl. H04W 48/12 (2009.01) H04B 1/76 (2006.01) H04B 1/707 (2011.01) H04J 11/00 (2006.01)**

[25] EN

[54] **ACQUISITION PILOTS FOR WIRELESS COMMUNICATION SYSTEMS**

[54] **PILOTES D'ACQUISITION POUR SYSTEMES DE COMMUNICATION SANS FIL**

[72] GOROKHOV, ALEXEI, US
[72] KHANDEKAR, AAMOD, US
[72] WANG, MICHAEL, US
[73] QUALCOMM INCORPORATED, US

[85] 2009-03-18
[86] 2007-10-24 (PCT/US2007/082328)
[87] (WO2008/052026)
[30] US (60/862,730) 2006-10-24

**Canadian Patents Issued
November 14, 2017**

[11] **2,666,466**
[13] C

[51] **Int.Cl. A61K 38/17 (2006.01) A61K 31/7088 (2006.01) A61K 39/395 (2006.01) A61K 45/06 (2006.01) A61P 25/00 (2006.01)**

[25] EN

[54] **COMPLEMENT INHIBITION FOR IMPROVED NERVE REGENERATION**

[54] **INHIBITION DU COMPLEMENT POUR UNE REGENERATION AMELIOREE DES NERFS**

[72] BAAS, FRANK, NL

[72] RAMAGLIA, VALERIA, NL

[73] REGENESANCE B.V., NL

[85] 2009-04-09

[86] 2007-10-10 (PCT/NL2007/050490)

[87] (WO2008/044928)

[30] US (60/850,277) 2006-10-10

[11] **2,672,437**
[13] C

[51] **Int.Cl. H04L 29/06 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR INTERACTIVE DISTRIBUTION OF DIGITAL CONTENT**

[54] **PROCEDE ET APPAREIL DE DISTRIBUTION INTERACTIVE DE CONTENU NUMERIQUE**

[72] MILBRANDT, CELITE, US

[72] ASGHAR, SAFDAR, US

[72] KINDIG, BRADLEY, US

[73] SLACKER, INC., US

[85] 2009-06-11

[86] 2007-12-12 (PCT/US2007/087305)

[87] (WO2008/073992)

[30] US (11/637,300) 2006-12-12

[11] **2,675,518**
[13] C

[51] **Int.Cl. A61K 31/4245 (2006.01) A61P 3/10 (2006.01) A61P 7/00 (2006.01) A61P 9/00 (2006.01)**

[25] EN

[54] **METHODS FOR DOSING AN ORALLY ACTIVE 1,2,4-OXADIAZOLE FOR NONSENSE MUTATION SUPPRESSION THERAPY**

[54] **PROCEDES POUR DOSER LE 1,2,4-OXADIAZOLE ACTIF PAR VOIE ORALE POUR LA THERAPIE DE SUPPRESSION DES MUTATIONS NON-SENS**

[72] HIRAWAT, SAMIT, US

[72] MILLER, LANGDON, US

[73] PTC THERAPEUTICS, INC., US

[85] 2009-04-09

[86] 2007-10-11 (PCT/US2007/021921)

[87] (WO2008/045566)

[30] US (60/851,450) 2006-10-12

[11] **2,678,885**
[13] C

[51] **Int.Cl. H01J 23/26 (2006.01) H01J 25/34 (2006.01)**

[25] EN

[54] **HIGH FREQUENCY HELICAL AMPLIFIER AND OSCILLATOR**

[54] **AMPLIFICATEUR ET OSCILLATEUR A HELICE A HAUTE FREQUENCE**

[72] DAYTON, JAMES A., JR., US

[72] KORY, CAROL L., US

[73] TERAPHYSICS CORPORATION, US

[85] 2009-08-19

[86] 2008-02-21 (PCT/US2008/054555)

[87] (WO2008/127783)

[30] US (60/902,537) 2007-02-21

[11] **2,678,901**
[13] C

[51] **Int.Cl. C12N 5/00 (2006.01) C12N 15/00 (2006.01)**

[25] EN

[54] **METHODS FOR MODULATING EMBRYONIC STEM CELL DIFFERENTIATION**

[54] **PROCEDES DE MODULATION DE LA DIFFERENTIATION DES CELLULES SOUCHES EMBRYONNAIRES**

[72] KO, MINORU S.H., US

[72] FALCO, GEPPINO, US

[72] LEE, SUNG-LIM, US

[72] MONTI, MANUELA, US

[72] STANGHELLINI, ILARIA, US

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

[85] 2009-08-19

[86] 2008-03-26 (PCT/US2008/058261)

[87] (WO2008/118957)

[30] US (60/920,215) 2007-03-26

[11] **2,680,912**
[13] C

[51] **Int.Cl. C07C 217/74 (2006.01) C07B 59/00 (2006.01) C07C 215/64 (2006.01) C07D 265/06 (2006.01)**

[25] EN

[54] **SUBSTITUTED PHENETHYLAMINES WITH SEROTONINERGIC AND/OR NOREPINEPHRINERGIC ACTIVITY**

[54] **PHENETHYLAMINES SUBSTITUEES A ACTION SEROTONINERGIQUE ET/OU NOREPINEPHRINERGIQUE**

[72] GANT, THOMAS G., US

[72] SARSHAR, SEPEHR, US

[72] WOO, SOON HYUNG, US

[73] AUSPEX PHARMACEUTICALS, INC., US

[85] 2009-09-11

[86] 2008-03-13 (PCT/US2008/056780)

[87] (WO2008/140859)

[30] US (60/895,049) 2007-03-15

[30] US (60/944,399) 2007-06-15

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[11] **2,684,479**
[13] C

[51] **Int.Cl. C07C 323/52 (2006.01) A61K 31/133 (2006.01) A61K 31/20 (2006.01) A61P 35/00 (2006.01) C07C 215/12 (2006.01)**

[25] EN

[54] **AMINE SALTS OF LIPOIC ACID DERIVATIVE AND USE THEREOF IN THE TREATMENT OF CANCER**

[54] **SELS AMINIQUES DE DERIVE D'ACIDE LIPOIQUE ET UTILISATION DE CEUX-CI DANS LE TRAITEMENT DU CANCER**

[72] SHORR, ROBERT G.L., US
[72] BHASIN, RAJINDER, US
[72] RODRIGUEZ, ROBERT J., US
[73] CORNERSTONE PHARMACEUTICALS, INC., US
[85] 2009-10-16
[86] 2008-04-17 (PCT/US2008/060650)
[87] (WO2008/131114)
[30] US (60/912,605) 2007-04-18

[11] **2,687,111**
[13] C

[51] **Int.Cl. G06Q 10/00 (2012.01)**

[25] EN

[54] **MULTI-MODAL AUTOMATION FOR HUMAN INTERACTIVE SKILL ASSESSMENT**

[54] **AUTOMATISATION MULTIMODALE POUR UNE EVALUATION INTERACTIVE DE COMPETENCE HUMAINE**

[72] SCHALK, THOMAS BARTON, US
[72] STOVALL, JIMMY LEE, US
[72] BROOKS, WALTER PHILLIP, US
[73] SIRIUS XM CONNECTED VEHICLE SERVICES INC., US
[85] 2009-11-10
[86] 2008-05-09 (PCT/US2008/063139)
[87] (WO2008/141116)
[30] US (60/928,895) 2007-05-11
[30] US (12/116,433) 2008-05-07

[11] **2,691,054**
[13] C

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/4025 (2006.01) A61P 25/28 (2006.01) C12Q 1/00 (2006.01)**

[25] EN

[54] **COMBINATIONS OF SAP DEPLETING AGENTS AND ANTI-SAP ANTIBODIES**

[54] **COMBINAISONS D'AGENTS D'APPAUVRISSEMENT ET D'ANTICORPS ANTI-SAP**

[72] PEPYS, MARK BRIAN, GB
[73] PENTRAXIN THERAPEUTICS LIMITED, GB
[85] 2009-12-18
[86] 2008-06-27 (PCT/EP2008/058333)
[87] (WO2009/000926)
[30] GB (0712503.2) 2007-06-27

[11] **2,691,229**
[13] C

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

[25] EN

[54] **METHOD AND APPARATUS FOR HIGH SPEED PROCESSING OF FINANCIAL INFORMATION FOR FINANCIAL RECORD MANAGEMENT**

[54] **METHODE ET APPAREIL DE TRAITEMENT HAUTE VITESSE DE RENSEIGNEMENTS FINANCIERS A DES FINS DE GESTION DE DOCUMENTATION FINANCIERE**

[72] PARSONS, SCOTT, US
[72] TAYLOR, DAVID E., US
[72] SCHUEHLER, DAVID VINCENT, US
[72] FRANKLIN, MARK A., US
[72] CHAMBERLAIN, ROGER D., US
[73] IP RESERVOIR, LLC, US
[85] 2009-12-15
[86] 2008-06-13 (PCT/US2008/066929)
[87] (WO2008/157357)
[30] US (11/765,306) 2007-06-19

[11] **2,692,569**
[13] C

[51] **Int.Cl. H04L 9/00 (2006.01) H04L 9/32 (2006.01) H04N 21/266 (2011.01)**

[25] EN

[54] **MANAGEMENT AND DELIVERY OF PROFILE DATA**

[54] **GESTION ET SORTIE DE DONNEES DE PROFILS**

[72] MICHEL, WALTER F., US
[73] COMCAST CABLE COMMUNICATIONS, LLC, US
[86] (2692569)
[87] (2692569)
[22] 2010-02-09
[30] US (12/370,426) 2009-02-12

[11] **2,696,115**
[13] C

[51] **Int.Cl. H01J 49/16 (2006.01) H01J 49/06 (2006.01)**

[25] EN

[54] **LOW PRESSURE ELECTROSPRAY IONIZATION SYSTEM AND PROCESS FOR EFFECTIVE TRANSMISSION OF IONS**

[54] **SYSTEMES D'IONISATION PAR PULVERISATION ELECTROSTATIQUE SOUS FAIBLE PRESSION ET PROCESSUS POUR LA TRANSMISSION EFFECTIVE D'IONS**

[72] TANG, KEQI, US
[72] PAGE, JASON S., US
[72] KELLY, RYAN T., US
[72] SMITH, RICHARD D., US
[73] BATTELLE MEMORIAL INSTITUTE, US
[85] 2010-02-10
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[30] US (11/848,884) 2007-08-31

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[11] **2,699,944**
[13] C

[51] **Int.Cl. C12N 15/62 (2006.01) A61K 38/21 (2006.01) A61P 35/00 (2006.01) C07K 14/555 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01)**

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[54] **TARGETED INTERFERON DEMONSTRATES POTENT APOPTOTIC AND ANTI-TUMOR ACTIVITIES**

[54] **INTERFERON CIBLE MANIFESTANT DES ACTIVITES APOPTOTIQUES ET ANTI-TUMORALES PUISSANTES**

[72] MORRISON, SHERIE L., US
[72] HUANG, TZU-HSUAN, US
[72] XUAN, CAIYUN, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[85] 2010-03-17
[86] 2008-09-19 (PCT/US2008/077074)
[87] (WO2009/039409)
[30] US (60/994,717) 2007-09-21

[11] **2,702,571**
[13] C

[51] **Int.Cl. H01P 7/06 (2006.01) G12B 1/00 (2006.01) G12B 1/02 (2006.01)**

[25] EN

[54] **MULTIPLE-MEMBRANE FLEXIBLE WALL SYSTEM FOR TEMPERATURE-COMPENSATED TECHNOLOGY FILTERS AND MULTIPLEXERS**

[54] **DISPOSITIF A PAROIS SOUPLES ET A MEMBRANES MULTIPLES POUR DES FILTRES ET MULTIPLEXEURS A TECHNOLOGIE DE COMPENSATION DE TEMPERATURE**

[72] LAGORSSE, JOEL, FR
[72] BLANQUET, MICHEL, FR
[72] HAYARD, EMMANUEL, FR
[73] THALES, FR

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[87] (2702571)
[22] 2010-04-30
[30] FR (09 02369) 2009-05-15

[11] **2,705,796**
[13] C

[51] **Int.Cl. A61N 1/04 (2006.01) A61N 1/34 (2006.01) A61N 1/36 (2006.01) A61N 1/375 (2006.01)**

[25] EN

[54] **NERVE STIMULATION PATCHES AND METHODS FOR STIMULATING SELECTED NERVES**

[54] **TIMBRES DE STIMULATION DE NERFS ET METHODES DE STIMULATION DE NERFS SELECTIONNES**

[72] DIUBALDI, ANTHONY, US
[72] TRACEY, MICHAEL R., US
[72] BARE, REX O., US
[72] SARGENT, BRADLEY J., US
[72] WAHLGREN, STEPHEN B., US
[73] ETHICON, INC., US

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[30] US (11/941,508) 2007-11-16

[11] **2,700,808**
[13] C

[51] **Int.Cl. A61K 48/00 (2006.01) A61K 9/127 (2006.01) A61K 31/7088 (2006.01) C12N 15/10 (2006.01) C12N 15/88 (2006.01)**

[25] EN

[54] **USE OF LIPOSOMES IN A CARRIER COMPRISING A CONTINUOUS HYDROPHOBIC PHASE FOR DELIVERY OF POLYNUCLEOTIDES IN VIVO**

[54] **UTILISATION DE LIPOSOMES DANS UN VEHICULE COMPOSANT UNE PHASE HYDROPHOBE CONTINUE POUR LA DELIVRANCE DE POLYNUCLEOTIDES IN VIVO**

[72] KARKADA, MOHAN, CA
[72] MANSOUR, MARC, CA
[72] WEIR, GENEVIEVE MARY, CA
[73] IMMUNOVACCINE TECHNOLOGIES INC., CA

[85] 2010-03-25
[86] 2008-09-24 (PCT/CA2008/001678)
[87] (WO2009/039628)
[30] US (60/975,602) 2007-09-27
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[13] C

[51] **Int.Cl. G01C 25/00 (2006.01) G01S 19/03 (2010.01) G09B 9/26 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR INTEGRATING A RF GPS EMULATOR IN A SIMULATION ENVIRONMENT**

[54] **METHODE ET DISPOSITIF SERVANT A INTEGRER UN EMULATEUR GPS RF DANS UN ENVIRONNEMENT DE SIMULATION**

[72] CASSE, PATRICE, FR
[73] AIRBUS OPERATIONS, FR

[86] (2704385)
[87] (2704385)
[22] 2010-05-18
[30] FR (0902453) 2009-05-19

[11] **2,708,114**
[13] C

[51] **Int.Cl. H01Q 3/26 (2006.01) H01Q 1/38 (2006.01)**

[25] EN

[54] **BUTLER MATRIX AND BEAM FORMING ANTENNA COMPRISING SAME**

[54] **MATRICE BUTTLER ET ANTENNE A MISE EN FORME DES FAISCEAUX AINSI CONSTITUEE**

[72] SHEN, LIN-PING, CA
[73] COMMUNICATION COMPONENTS ANTENNA INC., CA

[86] (2708114)
[87] (2708114)
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[25] EN
[54] **CONTROLLED ELECTRIC INDUCTION HEATING OF AN ELECTRICALLY CONDUCTIVE WORKPIECE IN A SOLENOIDAL COIL WITH FLUX COMPENSATORS**
[54] **CHAUFFAGE PAR INDUCTION ELECTRIQUE CONTROLE D'UNE PIECE A TRAVAILLER DANS UNE BOBINE SOLENOIDE AVEC COMPENSATEURS DE FLUX**
[72] RUDNEV, VALERY I., US
[72] LOVELESS, DON L., US
[73] INDUCTOHEAT, INC., US
[85] 2010-06-08
[86] 2008-12-26 (PCT/US2008/088379)
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[30] US (61/017,111) 2007-12-27

[11] **2,710,272**
[13] C

[51] **Int.Cl. G01N 21/77 (2006.01)**
[25] EN
[54] **COATED WAVEGUIDE FOR OPTICAL DETECTION**
[54] **GUIDE D'ONDES REVETU DE DETECTION OPTIQUE**
[72] BOERSMA, ARJEN, NL
[72] TEERLING, TATIANA JOHANNA JUDITH, NL
[72] PANKEN, THEODORUS HENRICUS CORNELUS, NL
[72] CHENG, LUN KAI, NL
[73] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL
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[11] **2,710,383**
[13] C

[51] **Int.Cl. C09D 5/02 (2006.01) C09D 201/00 (2006.01)**
[25] EN
[54] **COATING COMPOSITION EXHIBITING REDUCED BLOCK, RAPID DRY RATE AND RELATED METHOD**
[54] **COMPOSITION DE REVETEMENT MOINS BLOQUANTE A SECHAGE RAPIDE, ET METHODE CONNEXE**
[72] STUART, JONATHAN T., US
[72] LENDER, ARIEL, US
[73] HENRY COMPANY LLC, US
[86] (2710383)
[87] (2710383)
[22] 2010-07-20
[30] US (61/238,246) 2009-08-31

[11] **2,711,862**
[13] C

[51] **Int.Cl. A61K 33/30 (2006.01) A61K 9/06 (2006.01) A61K 31/355 (2006.01) A61K 31/375 (2006.01) A61K 31/4415 (2006.01) A61K 31/455 (2006.01) A61K 31/51 (2006.01) A61K 31/525 (2006.01) A61K 31/593 (2006.01) A61K 31/714 (2006.01) A61K 33/24 (2006.01) A61K 47/36 (2006.01) A61P 3/00 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **COMPOSITION FOR IMPROVING NUTRITIONAL STATUS OF THE ELDERLY, REDUCING FREQUENCY OF FEVER OF THE ELDERLY AND/OR INCREASING IMMUNOCOMPETENCE OF THE ELDERLY**
[54] **COMPOSITION SERVANT A AMELIORER L'ETAT NUTRITIONNEL DES PERSONNES AGEES, A REDUIRE LA FREQUENCE DE LA FIEVRE CHEZ LES PERSONNES AGEES OU A AUGMENTER L'IMMUNOCOMPETENCE DES PERSONNES AGEES**
[72] KAWAGUCHI, SUSUMU, JP
[73] NUTRI CO., LTD., JP
[85] 2010-07-09
[86] 2009-01-06 (PCT/JP2009/050018)
[87] (WO2009/087987)
[30] JP (2008-003072) 2008-01-10

[11] **2,715,520**
[13] C

[51] **Int.Cl. F16L 37/28 (2006.01) F16L 37/086 (2006.01) F16L 37/38 (2006.01)**
[25] FR
[54] **QUICK CONNECTOR**
[54] **RACCORD RAPIDE**
[72] TIBERGHEN, ALAIN-CHRISTOPHE, FR
[72] PASTORE, OLIVIER, FR
[73] STAUBLI FAVERGES, FR
[86] (2715520)
[87] (2715520)
[22] 2010-09-28
[30] FR (09 56861) 2009-10-01

[11] **2,715,750**
[13] C

[51] **Int.Cl. F16L 37/28 (2006.01) F16L 37/086 (2006.01) F16L 37/38 (2006.01)**
[25] FR
[54] **FEMALE QUICK-COUPLING DEVICE AND QUICK COUPLING INCORPORATING SUCH A DEVICE**
[54] **ELEMENT FEMELLE DE RACCORD RAPIDE ET RACCORD RAPIDE INCORPORANT UN TEL ELEMENT**
[72] TIBERGHEN, ALAIN-CHRISTOPHE, FR
[72] RAVAZ, MAURICE, FR
[72] PASTORE, OLIVIER, FR
[73] STAUBLI FAVERGES, FR
[86] (2715750)
[87] (2715750)
[22] 2010-09-28
[30] FR (09 56862) 2009-10-01

[11] **2,715,911**
[13] C

[51] **Int.Cl. B60P 1/43 (2006.01) B62D 25/22 (2006.01)**
[25] EN
[54] **DEPLOYABLE RAMP ASSEMBLY**
[54] **RAMPE DEPLOYABLE**
[72] FONTAINE, YVES, CA
[72] MORIN, MICHEL, CA
[73] FEDICO, CA
[86] (2715911)
[87] (2715911)
[22] 2010-09-28
[30] US (12/579,619) 2009-10-15

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[11] **2,716,306**
[13] C

[51] **Int.Cl. F25B 49/02 (2006.01)**
[25] EN
[54] **OUTDOOR FAN AND INDOOR BLOWER CONTROLLER FOR HEATING, VENTILATION AND AIR CONDITIONING SYSTEM AND METHOD OF OPERATION THEREOF**
[54] **CONTROLEUR DE VENTILATEURS EXTERIEUR ET INTERIEUR D'UN SYSTEME DE CHAUFFAGE, VENTILATION ET CONDITIONNEMENT D'AIR ET METHODE D'UTILISATION DUDIT CONTROLEUR**
[72] CHAMORRO, CARLOS O., US
[72] HUNDT, ROGER C., US
[72] STACHLER, JOHN P., US
[72] WALTER, STEPHEN A., US
[73] LENNOX INDUSTRIES INC., US
[86] (2716306)
[87] (2716306)
[22] 2010-10-04
[30] US (12/694,392) 2010-01-27

[11] **2,716,337**
[13] C

[51] **Int.Cl. C12M 1/24 (2006.01) B01L 7/00 (2006.01) C12M 1/38 (2006.01) C12P 19/34 (2006.01)**
[25] EN
[54] **THERMOCYCLER AND SAMPLE VESSEL FOR RAPID AMPLIFICATION OF DNA**
[54] **THERMOCYCLEUR ET RECIPIENT A ECHANTILLONS POUR L'AMPLIFICATION RAPIDE DE L'ADN**
[72] TERMAAT, JOEL R., US
[72] VILJOEN, HENDRIK J., US
[72] WHITNEY, SCOTT E., US
[73] STRECK, INC., US
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[86] 2009-02-19 (PCT/US2009/034446)
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[11] **2,717,914**
[13] C

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[54] **HAIR TREATMENT COMPOSITION AND METHODS**
[54] **COMPOSITION ET PROCEDES DE TRAITEMENT CAPILLAIRE**
[72] HAWKES, JAMIE ANTHONY, GB
[72] LEWIS, DAVID MALCOLM, GB
[72] GAUCHE, CELINE, GB
[73] PERACHEM LIMITED, GB
[85] 2010-09-08
[86] 2009-03-10 (PCT/GB2009/050233)
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[30] GB (0804301.0) 2008-03-10
[30] GB (0816943.5) 2008-09-16

[11] **2,718,124**
[13] C

[51] **Int.Cl. C10G 47/36 (2006.01) C10G 47/10 (2006.01)**
[25] FR
[54] **PROCESS FOR CONVERSION OF RESIDUE EMPLOYING MOVING BED TECHNOLOGY AND BUBBLING BED TECHNOLOGY**
[54] **PROCEDE DE CONVERSION DE RESIDU INTEGRANT UNE TECHNOLOGIE LIT MOBILE ET UNE TECHNOLOGIE LIT BOUILLONNANT**
[72] MOREL, FREDERIC, FR
[73] IFP ENERGIES NOUVELLES, FR
[86] (2718124)
[87] (2718124)
[22] 2010-10-20
[30] FR (09/05.108) 2009-10-23

[11] **2,719,400**
[13] C

[51] **Int.Cl. C07K 16/22 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **ANTI-VEGF ANTIBODY**
[54] **ANTICORPS DIRIGE CONTRE LE FACTEUR DE CROISSANCE DE L'ENDOTHELIUM VASCULAIRE**
[72] KE, YAOHUANG, US
[72] ZHU, WEIMIN, US
[72] YU, GUO-LIANG, US
[73] EPITOMICS, INC., US
[85] 2010-09-23
[86] 2008-10-08 (PCT/US2008/011620)
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[30] US (61/039,719) 2008-03-26

[11] **2,724,886**
[13] C

[51] **Int.Cl. A61K 39/395 (2006.01) A61N 7/00 (2006.01) C12N 1/06 (2006.01) C12N 13/00 (2006.01)**
[25] EN
[54] **METHODS, COMPOSITIONS AND APPARATUSES FOR FACILITATING REGENERATION**
[54] **PROCEDES, COMPOSITIONS ET APPAREIL FACILITANT LA REGENERATION**
[72] GRUBER, LEWIS S., US
[73] SIWA CORPORATION, US
[85] 2010-11-18
[86] 2009-05-22 (PCT/US2009/044951)
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[11] **2,726,571**
[13] C

[25] EN
[54] **METHOD FOR DETECTING HUMAN METAPNEUMOVIRUS AND OTHER RESPIRATORY VIRAL AGENTS IN A TEST SAMPLE**
[54] **METHODE DE DETECTION DE METAPNEUMOVIRUS HUMAIN ET D'AUTRES AGENTS VIRAUX RESPIRATOIRES DANS UN ECHANTILLON DE TEST**
[72] VILLAHERMOSA JAEN, MARIA L., ES
[72] MOSCOSO DEL PRADO, JUAN, ES
[72] ALEMAN, AINEL, ES
[73] GENOMICA S.A.U., ES
[85] 2010-11-30
[86] 2009-05-27 (PCT/GB2009/050574)
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[30] GB (0809881.6) 2008-05-30

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[13] C

[51] **Int.Cl. B24B 7/18 (2006.01) B24D 15/00 (2006.01)**
[25] EN
[54] **DRYWALL SPONGE SANDER EPONGE DE PONCAGE POUR CLOISON SECHE**
[72] ARVINTE, ROMEO, CA
[72] PANFILI, FRANCOIS, CA
[73] A. RICHARD TOOLS CO./ OUTILS A. RICHARD CO., CA
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[87] (2727586)
[22] 2011-01-10
[30] US (61/293,386) 2010-01-08

[11] **2,727,687**
[13] C

[51] **Int.Cl. G06T 7/70 (2017.01) G06T 17/05 (2011.01)**
[25] EN
[54] **SPATIAL PREDICTIVE APPROXIMATION AND RADIAL CONVOLUTION**
[54] **APPROXIMATION PREDICTIVE SPATIALE ET CONVOLUTION RADIALE**
[72] LANGDON, SIMON, AU
[73] EYEFEI PTY LTD, AU
[85] 2010-12-10
[86] 2009-06-16 (PCT/AU2009/000769)
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[30] AU (2008903046) 2008-06-16

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[13] C

[51] **Int.Cl. C07H 19/14 (2006.01) C07H 19/10 (2006.01) C07H 19/20 (2006.01)**
[25] EN
[54] **NUCLEOTIDES AND NUCLEOSIDES AND METHODS FOR THEIR USE IN DNA SEQUENCING**
[54] **NUCLEOTIDES ET NUCLEOSIDES ET PROCEDES POUR LEUR UTILISATION DANS LE SEQUENCAGE DE L'ADN**
[72] LITOSH, VLADISLAV A., US
[72] HERSH, MEGAN N., US
[72] STUPI, BRIAN P., US
[72] WU, WEIDONG, US
[72] METZKER, MICHAEL L., US
[73] LASERGEN, INC., US
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[86] 2009-06-11 (PCT/US2009/047071)
[87] (WO2009/152353)
[30] US (61/060,795) 2008-06-11
[30] US (61/184,779) 2009-06-05

[11] **2,729,160**
[13] C

[51] **Int.Cl. C12N 9/52 (2006.01) A01N 63/02 (2006.01) A01P 1/00 (2006.01) A61K 35/76 (2015.01) A61K 38/47 (2006.01) A61P 31/04 (2006.01) C12P 13/08 (2006.01)**
[25] EN
[54] **A CHIMERIC BACTERIOPHAGE LYSIN WITH ACTIVITY AGAINST STAPHYLOCOCCI BACTERIA**
[54] **LYSINE CHIMERIQUE DE BACTERIOPHAGE PRESENTANT UNE ACTIVITE CONTRE LES BACTERIES STAPHYLOCOQUES**
[72] FISCHETTI, VINCENT A., US
[72] DANIEL, ANU, US
[72] EULER, CHAD, US
[73] THE ROCKEFELLER UNIVERSITY, US
[85] 2010-12-22
[86] 2009-07-01 (PCT/US2009/049349)
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[30] US (61/078,277) 2008-07-03

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[13] C

[51] **Int.Cl. G06F 17/00 (2006.01) G01N 35/00 (2006.01)**
[25] EN
[54] **METHODS, STORAGE MEDIUMS, AND SYSTEMS FOR CONFIGURING CLASSIFICATION REGIONS WITHIN A CLASSIFICATION MATRIX OF AN ANALYSIS SYSTEM AND FOR CLASSIFYING PARTICLES OF AN ASSAY**
[54] **PROCEDES, SUPPORTS DE STOCKAGE, ET SYSTEMES POUR CONFIGURER DES ZONES DE CLASSIFICATION DANS UNE MATRICE DE CLASSIFICATION D'UN SYSTEME D'ANALYSE ET POUR CLASSIFIER DES PARTICULES D'UN DOSAGE**
[72] ROTH, WAYNE D., US
[73] LUMINEX CORPORATION, US
[85] 2011-01-17
[86] 2009-07-17 (PCT/US2009/051039)
[87] (WO2010/009424)
[30] US (61/081,558) 2008-07-17

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[13] C

[51] **Int.Cl. B01J 13/14 (2006.01) A01N 25/28 (2006.01) A61K 8/11 (2006.01) A61K 9/50 (2006.01)**
[25] EN
[54] **MICROCAPSULES COMPRISING ACTIVE INGREDIENTS AND A METAL OXIDE SHELL, A METHOD FOR THEIR PREPARATION AND USES THEREOF**
[54] **MICROCAPSULES COMPORTANT DES PRINCIPES ACTIFS ET UN ENROBAGE D'OXYDE METALLIQUE, LEUR PROCEDE DE PREPARATION ET LEURS UTILISATIONS**
[72] TOLEDANO, OFER, IL
[72] SERTHOOK, HANAN, IL
[72] LOBODA, NATALIA, IL
[72] ABU-REZIQ, RAED, IL
[73] SOL-GEL TECHNOLOGIES LTD., IL
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[86] 2009-08-02 (PCT/IL2009/000751)
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[30] US (61/085,255) 2008-07-31

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[13] C
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[25] EN
[54] **METHODS FOR CONTROL OF TRANSMISSION AND PRIME MOVER**
[54] **PROCEDES DE COMMANDE D'UNE TRANSMISSION ET/OU D'UNE MACHINE MOTRICE**
[72] KEILERS, CYRIL, US
[72] ROGERS, DAVID, US
[72] DIEHL, ERIC, US
[72] ORAND, AUSTIN, US
[72] BARTHOLOMEW, MARK EDWARD, US
[72] VASILIOU, CHRISTOPHER M., US
[72] MCDANIEL, LOREN T., US
[72] CARTER, JEREMY, US
[73] FALLBROOK INTELLECTUAL PROPERTY COMPANY LLC, US
[85] 2011-01-31
[86] 2009-08-04 (PCT/US2009/052761)
[87] (WO2010/017242)
[30] US (61/086,366) 2008-08-05

[11] **2,735,928**
[13] C
[51] **Int.Cl. G01R 31/327 (2006.01)**
[25] EN
[54] **ELECTRICAL SWITCHING APPARATUS INCLUDING A TRIP COIL OPEN CIRCUIT TEST CIRCUIT AND SYSTEM INCLUDING THE SAME**
[54] **APPAREIL D'INTERRUPTION ELECTRIQUE COMPRENANT UN CIRCUIT DE CONTROLE EN CIRCUIT OUVERT DE BOBINE DE DECLENCHEMENT, ET SYSTEME LE COMPRENANT**
[72] ELMS, ROBERT T., US
[72] MURPHY, WILLIAM J., US
[73] EATON CORPORATION, US
[85] 2011-03-03
[86] 2009-09-07 (PCT/IB2009/006778)
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[30] US (12/206,194) 2008-09-08

[11] **2,736,512**
[13] C
[51] **Int.Cl. C08F 220/06 (2006.01) C08F 2/00 (2006.01) C08F 220/56 (2006.01) C08L 33/26 (2006.01)**
[25] EN
[54] **COPOLYMER BLEND COMPOSITIONS FOR USE TO INCREASE PAPER FILLER CONTENT**
[54] **COMPOSITIONS DE MELANGES DE COPOLYMERES DESTINEES A ETRE UTILISEES POUR AUGMENTER LA TENEUR EN CHARGE POUR PAPIER**
[72] SUTMAN, FRANK J., US
[72] MAHONEY, JOSEPH M., US
[72] GILL, ROBERT ANTHONY, US
[72] EVANS, DANIEL BRUCE, US
[73] SPECIALTY MINERALS (MICHIGAN) INC., US
[73] SOLENIS TECHNOLOGIES CAYMAN, L.P., CH
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[86] 2009-09-18 (PCT/US2009/057468)
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[30] US (61/192,891) 2008-09-22

[11] **2,736,861**
[13] C
[51] **Int.Cl. C07D 475/04 (2006.01) A61K 31/519 (2006.01)**
[25] EN
[54] **18F-LABELLED FOLATES AS PET RADIOTRACERS**
[54] **FOLATES MARQUES AU 18F EN TANT QUE RADIOTRACEURS DE TEP**
[72] SCHIBLI, ROGER, CH
[72] MOSER, RUDOLF, CH
[72] MUELLER, CRISTINA MAGDALENA, CH
[72] AMETAMEY, SIMON MENSAH, CH
[72] ROSS, TOBIAS LUDWIG, CH
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[72] OUYANG, JUN, US
[72] SWARTZ, TREVOR, ELI, US
[73] GENENTECH, INC., US
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[54] **APTAMERE POUR LE NGF ET SES UTILISATIONS**
[72] JIN, LING, JP
[72] MIYAKAWA, SHIN, JP
[72] FUJIWARA, MASATOSHI, JP
[72] NAKAMURA, YOSHIKAZU, JP
[72] HIRAMATSU, HISANAO, JP
[73] RIBOMIC INC., JP
[73] FUJIMOTO PHARMACEUTICAL CORPORATION, JP
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[54] **DISPOSITIF DE COMMUNICATION AERIEN**

[72] BANTING, JOHN FREDERICK, US
[72] HAENSGEN, GREGG JAMES, US
[72] MCBEE, BRUCE W., US
[73] COOPER TECHNOLOGIES COMPANY, US

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[54] **REPETEURS SANS FIL MULTIBANDE**

[72] DEMARCO, ANTHONY, US
[72] JOHNSON, GREGORY F., US
[73] CELLYNX, INC., US

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[54] **FORMES POSOLOGIQUES A LIBERATION IMMEDIATE D'OXYBATE DE SODIUM**

[72] ROURKE, ANDREA, US
[72] ALLPHIN, CLARK, US
[72] MURPHY, MAURA, US
[73] JAZZ PHARMACEUTICALS, INC., US

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[54] **AN APPARATUS AND METHOD FOR GENERATING A TIMING SIGNAL**

[54] **APPAREIL ET PROCEDE POUR GENERER UN SIGNAL DE SYNCHRONISATION**

[72] YENSEN, TREVOR NOEL, CA
[72] LALPIN, RYAN SHAWN, CA
[72] HARIVIERE, JEFFREY, CA
[73] ALLEN-VANGUARD CORPORATION, CA

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[54] **MEDICATION DELIVERY DEVICE AND METHOD FOR OPERATING A MEDICATION DELIVERY DEVICE**

[54] **DISTRIBUTEUR DE MEDICAMENT ET PROCEDE DE FONCTIONNEMENT D'UN DISTRIBUTEUR DE MEDICAMENT**

[72] BOYD, MALCOLM, GB
[72] VEASEY, ROBERT, GB
[72] PLUMPTRE, DAVID, GB
[73] SANOFI-AVENTIS DEUTSCHLAND GMBH, DE

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[54] **NEW 4-AMINO-4-OXOBUTANOYL PEPTIDES AS INHIBITORS OF VIRAL REPLICATION**

[54] **NOUVEAUX PEPTIDES 4-AMINO-4-OXOBUTANOYL UTILES EN TANT QU'INHIBITEURS DE LA REPLICATION VIRALE**

[72] PHADKE, AVINASH, US
[72] CHEN, DAWEI, US
[72] GADHACHANDA, VENKAT, US
[72] HASHIMOTO, AKIHIRO, US
[72] PAIS, GODWIN, US
[72] WANG, XIANGZHU, US
[72] AGARWAL, ATUL, US
[72] KIM, HA YOUNG, US
[72] LI, SHOUMING, US
[72] LIU, CUIXIAN, US
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[54] **METHODS AND SYSTEMS FOR ENABLING END-USER EQUIPMENT AT AN END-USER PREMISE TO EFFECT COMMUNICATIONS WHEN AN ABILITY OF THE END-USER EQUIPMENT TO COMMUNICATE VIA A COMMUNICATION LINK CONNECTING THE END-USER EQUIPMENT TO A COMMUNICATIONS NETWORK IS DISRUPTED**
[54] **PROCEDES ET SYSTEMES POUR ACTIVER UN EQUIPEMENT D'UTILISATEUR FINAL AU NIVEAU D'UN LOCAL D'UTILISATEUR FINAL POUR EFFECTUER DES COMMUNICATIONS LORSQU'UNE CAPACITE DE L'EQUIPEMENT D'UTILISATEUR FINAL A COMMUNIQUER PAR L'INTERMEDIAIRE D'UNE LIAISON DE COMMUNICATION CONNECTANT L'EQUIPEMENT D'UTILISATEUR FINAL A UN RESEAU DE COMMUNICATION EST PERTURBEE**
[72] ARSENAULT, JONATHAN ALLAN, CA
[72] CLARK, DAVID WILLIAM, CA
[72] MURRAY, SEAN MACLEAN, CA
[72] WOLF, ERIC JOHN, CA
[73] BCE INC., CA
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[54] **SYSTEM AND METHOD FOR BIOMASS FRACTIONING**
[54] **SYSTEME ET PROCEDE DE FRACTIONNEMENT DE LA BIOMASSE**
[72] CHEIKY, MICHAEL C., US
[73] COOL PLANET ENERGY SYSTEMS, INC., US
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[54] **CONNECTING ROD**
[54] **BIELLE**
[72] KNUDSEN, JULIAN R., US
[72] BORTH, DAVID T., US
[72] SEABERG, WAYNE G., US
[73] DRESSER, INC., US
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[72] KRULEVITCH, PETER, US
[72] WILK, ROBERT, US
[72] KRAFT, ULRICH, DE
[72] SAVAGE, DONNA, US
[72] FOLEY, NICK, GB
[72] GLENCROSS, JAMES, GB
[72] SHEPHERD, DAVID, GB
[72] SIEH, ZARA, US
[73] LIFESCAN, INC., US
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[54] **ANTICORPS NEUTRALISANT LE VIRUS D'IMMUNODEFICIENCE HUMAINE (VIH)**
[72] CHAN-HUI, PO-YING, US
[72] MITCHAM, JENNIFER, US
[72] OLSEN, OLE, US
[72] FREY, STEVEN, US
[72] MOYLE, MATTHEW, US
[72] PHOGAT, SANJAY K., US
[72] BURTON, DENNIS R., US
[72] WALKER, LAURA MARJORIE, US
[72] POIGNARD, PASCAL RAYMOND GEORGES, US
[72] DE JEAN DE ST. MARCEL SIMEK-LEMONS, MELISSA DANIELLE, US
[72] KOFF, WAYNE, US
[72] KAMINSKY, STEPHEN, US
[73] THERACLONE SCIENCES, INC., US
[73] INTERNATIONAL AIDS VACCINE INITIATIVE, US
[73] THE SCRIPPS RESEARCH INSTITUTE, US
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[54] **SYSTEMES ET PROCÉDES D'ANALYSE DE COURBE DE FUSION AUTOMATIQUE**

[72] ROBBINS, THOMAS CHARLES, US

[72] PALAIS, ROBERT ANDREW, US

[72] WITTEW, CARL THOMAS, US

[73] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US

[73] BIOFIRE DEFENSE, LLC, US

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[54] **TOPICAL PESTICIDE COMPOSITIONS COMPRISING AZAMETHIPHOS AND EITHER CYPERMETHRIN OR DELTAMETHRIN TO COMBAT ECTOPARASITES ON FISH**

[54] **COMPOSITONS DE PESTICIDE TOPIQUE RENFERMANT DE L'AZAMETHIPHOS ET DE LA CYPERMETHRINE OU DE LA DELTAMETHRINE EN VUE DE COMBATTRE LES ECTOPARASITES SUR LES POISSONS**

[72] JOHANNESSEN, BAARD, NO

[73] NETTFORSK AS, NO

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[54] **METHOD AND MEANS FOR FEEDING FLUIDISABLE MATERIALS**

[54] **PROCEDE ET MOYEN D'ALIMENTATION EN MATERIAUX FLUIDISABLES**

[72] KARLSEN, MORTEN, NO

[72] DYROEY, ARE, NO

[72] OEREN, TORE, NO

[73] NORSK HYDRO ASA, NO

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[54] **SYSTEME DE SUPPORT STRUCTURAL DE CONDUITES**

[72] GOMES FERNANDES, PAULO ROBERTO, BR

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[54] **AN IMPACT TOOL**

[54] **PERCUTEUR**

[72] WALSH, OLIVER, IE

[72] WALSH, PAUL, IE

[73] EASY TOOL LIMITED, IE

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[54] **AUTOMATIC INJECTION DEVICE AND PLUNGER FOR SAME**

[54] **DISPOSITIF D'INJECTION AUTOMATIQUE ET PISTON ASSOCIE**

[72] SHANG, SHERWIN S., US

[72] OZDARYAL, ESRA, US

[72] PLEW, MARC M., US

[72] SZECHINSKI, WILLIAM P., US

[73] ABBVIE BIOTECHNOLOGY LTD., BM

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[54] **SYSTEME DE FIXATION D'ORGANE DE SUSPENSION DANS UNE INSTALLATION D'ASCENSEUR**

[72] ARAKI YASSUDA, SERGIO, BR

[73] INVENTIO AG, CH

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[72] DROZD, JAMES MICHAEL, US

[73] ASEPTIA, INC., US

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[54] **CATALYSEURS POUR LE REFORMAGE DE GOUDRONS UTILISABLES DANS LA VAPOGAZEIFICATION DE LA BIOMASSE**
[72] KIENNEMANN, ALAIN, FR
[72] COURSON, CLAIRE, FR
[72] VIRGINIE, MIRELLA, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.R.S.), FR
[73] UNIVERSITE DE STRASBOURG, FR
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[54] **ADAPTATEUR DE SERINGUE**
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[73] UNITRACT SYRINGE PTY LTD, AU
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[54] **METHOD OF OXIDATIVE LEACHING OF SULFIDE ORES AND/OR CONCENTRATES**
[54] **PROCEDE DE LIXIVIATION PAR OXYDATION DE MINERAIS ET/OU CONCENTRES SULFURES**
[72] WELHAM, NICHOLAS JAMES, AU
[72] JOHNSTON, GARRY MERVYN, AU
[72] SUTCLIFFE, MATTHEW LESLIE, GB
[73] METALEACH LIMITED, VG
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[54] **BIOLOGICAL MATERIAL SUITABLE FOR THE THERAPY OF OSTEOARTHRISIS, LIGAMENT DAMAGE AND FOR THE TREATMENT OF JOINT DISORDERS**
[54] **SUBSTANCE BIOLOGIQUE CONVENANT AU TRAITEMENT DE L'ARTHROSE, D'UNE LESION LIGAMENTAIRE ET DES TROUBLES ARTICULAIRES**
[72] CALLEGARO, LANFRANCO, IT
[72] ZANELATO, ANNA MARIA, IT
[73] FIDIA FARMACEUTICI S.P.A., IT
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[25] EN
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[54] **DERIVES D'IMIDAZOLIDIN-2-ONE 1,3-DISUBSTITUES EN TANT QU'INHIBITEURS DE CYP 17**
[72] BOCK, MARK G., US
[72] GAUL, CHRISTOPH, CH
[72] GUMMADI, VENKATESHWAR RAO, IN
[72] SENGUPTA, SAUMITRA, IN
[73] NOVARTIS AG, CH
[85] 2011-12-19
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[72] BIVER, CLAUDINE, FR
[72] CANO, JEAN-PAUL, FR
[72] DULUARD, SANDRINE, FR
[72] SAUGEY, ANTHONY, FR
[73] ESSILOR INTERNATIONAL (COMPAGNIE GENERALE D'OPTIQUE), FR
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[54] **IMPACT RESISTANT MODIFIED COMPOSITIONS**
[54] **COMPOSITIONS PRESENTANT UNE RESILIENCE MODIFIEE**
[72] KREILING, STEFAN, DE
[72] TADEN, ANDREAS, DE
[72] SCHOENFELD, RAINER, DE
[72] MAI, CLAUDIA, DE
[72] KUX, MICHAEL, DE
[72] KUESTER, HARALD, DE
[73] HENKEL AG & CO. KGAA, DE
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[54] **REMOTE RECHARGEABLE MONITORING SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE DE SURVEILLANCE RECHARGEABLE A DISTANCE**

[72] MUZAFFER, REHAN, US

[73] AEROVIRONMENT, INC., US

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[11] **2,770,928**
[13] C

[51] **Int.Cl. A61G 10/00 (2006.01) H02G 3/36 (2006.01)**

[25] EN

[54] **STUD MOUNTED HEADWALL UNIT AND METHOD FOR INSTALLING SAME**

[54] **UNITE DE MUR DE TETE MONTEE SUR DES POTEAUX D'OSSATURE MURALE ET METHODES D'INSTALLATION CONNEXES**

[72] HUNT, BARRY W., CA

[72] OVER, CHRISTOPHER B., CA

[72] BARATTO, MICHAEL JOHN, CA

[72] FERNANDES, BRENDAN S., CA

[72] COSTA, DANIEL SOARES, CA

[72] BLONDIN, TRICIA A., CA

[73] CLASS 1 INC., CA

[86] (2770928)

[87] (2770928)

[22] 2012-03-09

[30] US (61/451,559) 2011-03-10

[11] **2,770,987**
[13] C

[51] **Int.Cl. A61B 18/14 (2006.01) A61B 5/042 (2006.01) A61B 18/02 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR MAKING AND USING MEDICAL ABLATION SYSTEMS HAVING MAPPING CATHETERS WITH IMPROVED ANCHORING ABILITY**

[54] **SYSTEMES ET PROCEDES DE FABRICATION ET D'UTILISATION DE SYSTEMES D'ABLATION A VISEE MEDICALE COMPRENANT DES CATHETERS DE CARTOGRAPHIE A CAPACITE D'ANCRAGE AMELIOREE**

[72] KIM, ISAAC, US

[72] KOBLISH, JOSEF, US

[72] MCGEE, DAVID, US

[73] BOSTON SCIENTIFIC SCIMED, INC., US

[85] 2012-02-14

[86] 2010-08-11 (PCT/US2010/045200)

[87] (WO2011/019838)

[30] US (61/233,965) 2009-08-14

[11] **2,771,056**
[13] C

[51] **Int.Cl. C08B 37/00 (2006.01) A61K 31/737 (2006.01) A61P 7/00 (2006.01) A61P 9/00 (2006.01) A61P 11/00 (2006.01) A61P 17/00 (2006.01) A61P 19/00 (2006.01) A61P 21/00 (2006.01) A61P 25/00 (2006.01) A61P 27/02 (2006.01) A61P 37/00 (2006.01) C07H 13/04 (2006.01) C07H 13/12 (2006.01) C07H 15/203 (2006.01)**

[25] FR

[54] **FGF RECEPTOR-ACTIVATING N-ACYL OCTASACCHARIDES, PREPARATION THEREOF, AND THERAPEUTIC USE THEREOF**

[54] **OCTASACCHARIDES N-ACYLES ACTIVATEURS DES RECEPTEURS DES FGFS, LEUR PREPARATION ET LEUR APPLICATION EN THERAPEUTIQUE**

[72] DRIGUEZ, PIERRE ALEXANDRE, FR

[72] DUCHAUSSOY, PHILIPPE, FR

[72] FONS, PIERRE, FR

[72] HERBERT, CORENTIN, FR

[72] LASSALLE, GILBERT, FR

[73] SANOFI, FR

[85] 2012-02-13

[86] 2010-08-12 (PCT/FR2010/051703)

[87] (WO2011/018588)

[30] FR (09/03968) 2009-08-14

[11] **2,771,123**
[13] C

[51] **Int.Cl. C07D 473/04 (2006.01) A61K 31/522 (2006.01)**

[25] EN

[54] **SUBSTITUTED XANTHINE DERIVATIVES**

[54] **DERIVES DE XANTHINE SUBSTITUES**

[72] TUNG, ROGER D., US

[72] LIU, JULIE F., US

[72] HARBESON, SCOTT L., US

[73] CONCERT PHARMACEUTICALS, INC., US

[85] 2012-02-14

[86] 2010-09-02 (PCT/US2010/047708)

[87] (WO2011/028922)

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[30] US (12/873,991) 2010-09-01

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[25] EN
[54] **PLATFORM HEALTH MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE DE SANTE DE PLATE-FORME**
[72] SAFA-BAKSH, ROBAB, US
[72] HARRIS, PATRICK, US
[73] THE BOEING COMPANY, US
[85] 2012-02-13
[86] 2010-09-02 (PCT/US2010/047742)
[87] (WO2011/046684)
[30] US (12/577,549) 2009-10-12

[11] **2,773,047**
[13] C

[51] **Int.Cl. F01D 11/24 (2006.01) F01D 19/02 (2006.01) F01D 25/10 (2006.01)**
[25] FR
[54] **CLEARANCE CONTROL AT THE BLADE TIPS OF A TURBOMACHINE**
[54] **PILOTAGE DES JEUX EN SOMMET D'AUBES DANS UNE TURBOMACHINE**
[72] PHILIPPOT, VINCENT, FR
[73] SNECMA, FR
[85] 2012-03-01
[86] 2010-09-07 (PCT/FR2010/051855)
[87] (WO2011/030051)
[30] FR (09/04275) 2009-09-08

[11] **2,773,567**
[13] C

[51] **Int.Cl. H04N 21/84 (2011.01) H04N 21/435 (2011.01)**
[25] EN
[54] **METHODS AND APPARATUS TO GENERATE A TAG FOR MEDIA**
[54] **METHODES ET APPAREIL SERVANT A GENERER UNE ETIQUETTE DESTINE AUX MEDIAS**
[72] MCMILLAN, FRANCIS G., US
[72] DELIYANNIS, ALEXANDROS, US
[73] THE NIELSEN COMPANY (US), LLC, US
[86] (2773567)
[87] (2773567)
[22] 2012-03-30
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[30] US (13/181,147) 2011-07-12

[11] **2,774,124**
[13] C

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[25] EN
[54] **FARM TRACTOR LUBRICATING COMPOSITION WITH GOOD WATER TOLERANCE**
[54] **COMPOSITION LUBRIFIANTE DE TRACTEUR AGRICOLE A BONNE TOLERANCE A L'EAU**
[72] ABRAHAM, WILLIAM D., US
[72] BAUM, MARINA, US
[72] QIN, HAIHU, US
[72] WANG, YING, US
[73] THE LUBRIZOL CORPORATION, US
[85] 2012-03-13
[86] 2010-09-07 (PCT/US2010/047947)
[87] (WO2011/031659)
[30] US (61/242,092) 2009-09-14

[11] **2,775,126**
[13] C

[51] **Int.Cl. A61K 9/20 (2006.01) A61K 9/00 (2006.01)**
[25] EN
[54] **MANUFACTURE OF CHEWING GUM PRODUCT WITH RADIOFREQUENCY**
[54] **FABRICATION DE PRODUIT DE GOMME A MACHER PAR RADIOFREQUENCE**
[72] KOLL, GREGORY E., US
[72] SOWDEN, HARRY S., US
[72] LUBER, JOSEPH R., US
[72] KRIKSUNOV, LEO B., US
[72] BUNICK, FRANK J., US
[72] CHEN, JEN-CHI, US
[72] OLSSON, ROLAND, SE
[72] SZYMCZAK, CHRISTOPHER E., US
[73] MCNEIL-PPC, INC., US
[85] 2012-03-22
[86] 2010-09-23 (PCT/US2010/049971)
[87] (WO2011/038101)
[30] US (61/245,315) 2009-09-24
[30] US (61/255,582) 2009-10-28
[30] US (61/314,629) 2010-03-17
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[11] **2,775,845**
[13] C

[51] **Int.Cl. G01H 9/00 (2006.01)**
[25] EN
[54] **PHASE BASED SENSING DETECTION BASEE SUR UNE PHASE**
[72] CRICKMORE, ROGER IAN, GB
[72] HILL, DAVID JOHN, GB
[73] OPTASENSE HOLDINGS LIMITED, GB
[85] 2012-03-28
[86] 2010-09-24 (PCT/GB2010/001802)
[87] (WO2011/039501)
[30] GB (0917150.5) 2009-09-30

[11] **2,776,312**
[13] C

[51] **Int.Cl. B65D 47/20 (2006.01) A47G 19/22 (2006.01)**
[25] EN
[54] **SPOUT FOR A SPILL-PROOF BEVERAGE CONTAINER**
[54] **BEC VERSEUR POUR UN RECIPIEN DE BOISSON ANTI-GOUTTES**
[72] SAMSON, ILAN, US
[73] SAMSON, ILAN, US
[85] 2012-03-13
[86] 2010-09-17 (PCT/IB2010/054209)
[87] (WO2011/033477)
[30] GB (0916318.9) 2009-09-17
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[11] **2,776,718**
[13] C

[51] **Int.Cl. C12P 7/10 (2006.01) C12F 3/00 (2006.01) C12P 19/00 (2006.01)**

[25] EN

[54] **ETHANOL PRODUCTION FROM LIGNOCELLULOSIC BIOMASS WITH RECOVERY OF COMBUSTIBLE FUEL MATERIALS**

[54] **PRODUCTION D'ETHANOL A PARTIR D'UNE BIOMASSE LIGNOCELLULOSIQUE AVEC RECUPERATION DE MATIERES CONSISTANT EN CARBURANTS COMBUSTIBLES**

[72] MOSIER, NATHAN, US

[72] LADISCH, MICHAEL R., US

[72] WARNER, JERRY B., US

[73] PURDUE RESEARCH FOUNDATION, US

[73] DEFENSE LIFE SCIENCES, LLC, US

[85] 2012-04-04

[86] 2010-10-13 (PCT/US2010/052503)

[87] (WO2011/047046)

[30] US (61/251,059) 2009-10-13

[11] **2,777,141**
[13] C

[51] **Int.Cl. F04D 29/02 (2006.01) F04D 29/52 (2006.01) F04D 29/54 (2006.01) F04D 29/64 (2006.01)**

[25] EN

[54] **AN AXIAL FAN AND A METHOD OF MANUFACTURING A BLOWER PIPE THEREFOR**

[54] **VENTILATEUR AXIAL ET PROCEDE POUR REALISER UN TUBE DE VENTILATEUR A CET EFFET**

[72] KAMPF, LARS VERNER, DK

[73] NOVENCO A/S, DK

[85] 2012-04-10

[86] 2010-10-13 (PCT/DK2010/050265)

[87] (WO2011/044909)

[30] DK (PA 2009 01118) 2009-10-13

[11] **2,777,465**
[13] C

[51] **Int.Cl. G02B 21/26 (2006.01) H01J 37/20 (2006.01) H02K 41/02 (2006.01)**

[25] EN

[54] **MOTORIZED STAGE**

[54] **ETAGE MOTORISE**

[72] BROOKER, JEFFREY S., US

[72] CHAVES, PAULO, US

[72] DHESE, KEITH, US

[72] EDDINGTON, ROBIN, US

[73] THORLABS, INC., US

[85] 2012-04-11

[86] 2010-10-16 (PCT/US2010/052983)

[87] (WO2011/047367)

[30] US (61/252,263) 2009-10-16

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[13] C

[51] **Int.Cl. A61K 31/593 (2006.01) A61P 3/10 (2006.01)**

[25] EN

[54] **METHOD OF PREVENTING TYPE 1 DIABETES**

[54] **METHODE DE PREVENTION DU DIABETE DE TYPE 1**

[72] DELUCA, HECTOR F., US

[72] NEHRING, JAMIE, US

[72] RUDOLPH, EHREN N., US

[72] PLUM, LORI, US

[73] WISCONSIN ALUMNI RESEARCH FOUNDATION, US

[85] 2012-04-16

[86] 2010-10-21 (PCT/US2010/053550)

[87] (WO2011/050163)

[30] US (61/253,665) 2009-10-21

[11] **2,780,391**
[13] C

[51] **Int.Cl. H04B 1/59 (2006.01) H04L 27/148 (2006.01)**

[25] EN

[54] **HDX DEMODULATOR**

[54] **DEMODULATEUR HDX**

[72] BATEMAN, LEIGH, AU

[73] ALLFLEX USA, INC., US

[85] 2012-05-09

[86] 2010-10-12 (PCT/US2010/052360)

[87] (WO2011/044585)

[30] US (61/250,407) 2009-10-09

[11] **2,780,642**
[13] C

[51] **Int.Cl. F24C 15/02 (2006.01) F24C 15/14 (2006.01)**

[25] EN

[54] **HOUSEHOLD APPLIANCE HAVING AN OVEN DOOR WITH AN INTEGRAL DRIP TRAY**

[54] **APPAREIL ELECTROMENAGER POURVU D'UNE PORTE DE FOURNEAU AVEC UN PLATEAU D'EGOUTTAGE INTERNE**

[72] HARWARD, SAMUEL, US

[72] HENDRICKS, DONALD, US

[72] PARKER, ROSE MARIE, US

[73] BSH HOME APPLIANCES CORPORATION, US

[86] (2780642)

[87] (2780642)

[22] 2012-06-21

[30] US (13/484,750) 2012-05-31

[11] **2,781,613**
[13] C

[51] **Int.Cl. C25F 3/04 (2006.01) C25F 3/08 (2006.01)**

[25] EN

[54] **ELECTROLYTE SOLUTION AND ELECTROPOLISHING METHODS**

[54] **SOLUTION D'ELECTROLYTE ET PROCEDES D'ELECTROPOLISSAGE**

[72] CLASQUIN, JAMES L., US

[72] CHRISTENSEN, THOMAS J., US

[73] METCON, LLC, US

[85] 2012-05-23

[86] 2010-11-22 (PCT/US2010/057672)

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[30] US (61/263,606) 2009-11-23

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[11] **2,782,420**
[13] C

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 3/04 (2006.01) C07K 16/18 (2006.01) C07K 16/40 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01) C07K 14/71 (2006.01)**

[25] EN

[54] **HUMAN ANTIGEN BINDING PROTEINS THAT BIND .BETA.-KLOTHO, FGF RECEPTORS AND COMPLEXES THEREOF**

[54] **PROTEINES DE LIAISON A ANTIGENE HUMAIN QUI SE LIENT A BETA-KLOTHO, AUX RECEPTEURS DE FGF ET AUX COMPLEXES DE CEUX-CI**

[72] HU, SHAW-FEN SYLVIA, US
[72] FOLTZ, IAN, CA
[72] KING, CHADWICK TERENCE, CA
[72] LI, YANG, US
[72] ARORA, TARUNA, US
[73] AMGEN INC., US
[85] 2012-05-30
[86] 2010-12-03 (PCT/US2010/058984)
[87] (WO2011/071783)
[30] US (61/267,321) 2009-12-07
[30] US (61/381,846) 2010-09-10

[11] **2,782,530**
[13] C

[51] **Int.Cl. B23B 49/02 (2006.01) B23Q 11/00 (2006.01)**

[25] EN

[54] **DRILL TEMPLATE WITH INTEGRAL VACUUM ATTACH HAVING PLUGS**

[54] **GABARIT DE PERCAGE POURVU D'UN RACCORD DE VIDE SOLIDAIRE A FICHES**

[72] INMAN, JOHN E., US
[72] DIETRICH, DAVID M., US
[72] MACKE, JUNIOR JOHN G., US
[72] HAYES, MICHAEL W., US
[73] THE BOEING COMPANY, US
[85] 2012-05-31
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[87] (WO2011/068603)
[30] US (12/630,417) 2009-12-03

[11] **2,782,893**
[13] C

[51] **Int.Cl. F15D 1/10 (2006.01)**

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[54] **VARIABLE CAMBER FLUID-DYNAMIC BODY UTILIZING OPTIMIZED SMART MATERIALS**

[54] **CORPS FLUIDE DYNAMIQUE A CAMBRURE VARIABLE UTILISANT DES MATERIAUX INTELLIGENTS OPTIMISES**

[72] SHOME, MOUSHUMI, US
[72] CALKINS, FREDERICK T., US
[72] MABE, JAMES HENRY, US
[72] GRIMSHAW, MATTHEW TODD, US
[73] THE BOEING COMPANY, US
[86] (2782893)
[87] (2782893)
[22] 2012-07-11
[30] US (13/210,375) 2011-08-16

[11] **2,784,046**
[13] C

[51] **Int.Cl. F41H 5/013 (2006.01) E06B 9/02 (2006.01) F41H 7/04 (2006.01) B60J 5/00 (2006.01)**

[25] FR

[54] **PROTECTIVE GRILL FOR OPENING**

[54] **GRILLE DE PROTECTION POUR OUVRANT**

[72] HUBSCH, ALAIN, FR
[72] BAPTISTA, DANIEL, FR
[72] PRYBILSKI, CHRISTIAN, FR
[72] DENIS, BERNARD, FR
[73] NEXTER SYSTEMS, FR
[86] (2784046)
[87] (2784046)
[22] 2012-07-25
[30] FR (11 02 396) 2011-07-29

[11] **2,784,384**
[13] C

[51] **Int.Cl. F16H 61/26 (2006.01) F15C 3/02 (2006.01) F16H 61/684 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR MULTIPLEXING GEAR ENGAGEMENT CONTROL AND PROVIDING FAULT PROTECTION IN A TOROIDAL TRACTION DRIVE AUTOMATIC TRANSMISSION**

[54] **SYSTEME ET PROCEDE PERMETTANT DE MULTIPLEXER LA COMMANDE D'ENCLenchement DU RAPPORT DE VITESSE ET DE FOURNIR UNE PROTECTION CONTRE LES ANOMALIES DANS UNE BOITE DE VITESSES AUTOMATIQUE A ENTRAINEMENT PAR TRACTION TOROIDALE**

[72] LONG, CHARLES F., US
[72] WEBER, DARREN J., US
[72] FULLER, JOHN WILLIAM EDWARD, GB
[73] ALLISON TRANSMISSION, INC., US
[85] 2012-06-14
[86] 2010-12-02 (PCT/US2010/058707)
[87] (WO2011/075319)
[30] US (61/287,038) 2009-12-16

[11] **2,786,571**
[13] C

[51] **Int.Cl. A01D 46/00 (2006.01)**

[25] EN

[54] **PNEUMATIC FRUIT DECELERATOR APPARATUS AND METHOD**

[54] **APPAREIL ET PROCEDE POUR DECELERATEUR PNEUMATIQUE DE FRUITS**

[72] DIETRICH, CHARLES E., US
[72] BROWN, PHILIP A., US
[72] RASCH, MICHAEL R., US
[73] DBR CONVEYOR CONCEPTS, LLC, US
[85] 2012-07-05
[86] 2010-03-16 (PCT/US2010/027478)
[87] (WO2011/084166)
[30] US (12/683,240) 2010-01-06

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[11] **2,786,988**
[13] C

[51] **Int.Cl. F01D 5/30 (2006.01) F04D 29/32 (2006.01)**
[25] FR
[54] **TURBINE ENGINE AIR BLOWER SOUFFLANTE DE TURBOMACHINE**
[72] DELAPIERRE, MICHAEL, FR
[72] REGHEZZA, PATRICK JEAN-LOUIS, FR
[73] SNECMA, FR
[85] 2012-07-12
[86] 2011-01-21 (PCT/FR2011/050116)
[87] (WO2011/095722)
[30] FR (1000456) 2010-02-04

[11] **2,788,893**
[13] C

[51] **Int.Cl. G01R 31/36 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING BATTERY STATE-OF-HEALTH SYSTEMES ET METHODES POUR DETERMINER L'ETAT DE LA BATTERIE**
[72] BOND, JAMES R., US
[72] DERMOTT, JEFF, US
[72] LISTERUD, EIVIND, US
[73] EAGLEPICHER TECHNOLOGIES, LLC, US
[86] (2788893)
[87] (2788893)
[22] 2012-09-07
[30] US (61/533,519) 2011-09-12
[30] US (13/588,580) 2012-08-17

[11] **2,790,168**
[13] C

[51] **Int.Cl. B23K 9/16 (2006.01) B23K 10/02 (2006.01) B23K 15/00 (2006.01) B23K 28/02 (2014.01)**
[25] EN
[54] **METHOD OF AND APPARATUS FOR HYBRID WELDING WITH MULTIPLE HEAT SOURCES PROCEDE ET EQUIPEMENT DE SOUDAGE HYBRIDE AVEC DE MULTIPLES SOURCES DE CHALEUR**
[72] LIN, DECHAO, US
[73] THE ESAB GROUP, INC., US
[85] 2012-08-16
[86] 2011-02-10 (PCT/US2011/024285)
[87] (WO2011/103012)
[30] US (12/708,249) 2010-02-18

[11] **2,791,140**
[13] C

[51] **Int.Cl. G09B 19/00 (2006.01)**
[25] EN
[54] **SOFTWARE AND HARDWARE SYSTEM FOR ENABLING WEIGHT CONTROL SYSTEME LOGICIEL ET MATERIEL POUR LE CONTROLE DU POIDS**
[72] KIRCHHOFF, DAVID, US
[72] CONNELLY, LISA, US
[72] CROOK ANNA, AU
[72] KELLY, SHEILA, US
[72] PERL, AMIE, US
[72] SEMMELBAUER, THILO, US
[72] SHEPPARD, AMY, US
[72] MILLER-KOVACH, KAREN, US
[72] POSILICO, PALMA, US
[73] WEIGHTWATCHERS.COM, INC., US
[73] WEIGHT WATCHERS INTERNATIONAL, INC., US
[86] (2791140)
[87] (2791140)
[22] 2003-01-31
[62] 2,474,733
[30] US (60/353,811) 2002-02-01

[11] **2,792,662**
[13] C

[51] **Int.Cl. G06F 3/14 (2006.01) G06F 3/0481 (2013.01) G06F 3/0484 (2013.01) G06T 13/00 (2011.01)**
[25] EN
[54] **METHOD OF RENDERING A USER INTERFACE METHODE DE RENDU D'UNE INTERFACE UTILISATEUR**
[72] LEWIN, MATHIAS, SE
[72] ANDERSSON, JENS OLA, SE
[72] LJUNGKRANTZ, PETER, SE
[72] GURELL, CHRISTOFFER, SE
[72] MOWITZ, JOHAN, SE
[73] BLACKBERRY LIMITED, CA
[86] (2792662)
[87] (2792662)
[22] 2012-10-18
[30] US (61/548,652) 2011-10-18

[11] **2,792,697**
[13] C

[51] **Int.Cl. B29C 43/32 (2006.01) B29C 35/00 (2006.01) B29C 43/56 (2006.01) B64C 1/00 (2006.01) B64C 3/24 (2006.01) B64C 3/26 (2006.01)**
[25] EN
[54] **HIGH FLOW EDGE BREATHER AND METHOD RENIFLEUR HAUT DEBIT ET METHODE**
[72] DULL, KENNETH M., US
[73] THE BOEING COMPANY, US
[86] (2792697)
[87] (2792697)
[22] 2012-10-16
[30] US (13/288,523) 2011-11-03

[11] **2,793,177**
[13] C

[51] **Int.Cl. F28F 3/12 (2006.01) F02K 1/82 (2006.01) F23R 3/00 (2006.01) F28D 9/00 (2006.01)**
[25] EN
[54] **MULTI-CHANNEL COOLING PLENUM PLENUM DE REFROIDISSEMENT A PLUSIEURS CANAUX**
[72] JOST, KAREN M., US
[72] MILLER, GAYL J., US
[72] BOWDLE, DONALD E., US
[73] THE BOEING COMPANY, US
[86] (2793177)
[87] (2793177)
[22] 2012-10-24
[30] US (13/351,026) 2012-01-16

[11] **2,793,250**
[13] C

[51] **Int.Cl. B60S 1/48 (2006.01) B60S 1/52 (2006.01)**
[25] FR
[54] **CONTROL OF A WINDOW WASHER SYSTEM ASSOCIATED WITH A WIPER SYSTEM FOR A MOTOR VEHICLE COMMANDE D'UN SYSTEME DE LAVAGE-VITRE ASSOCIE A UN SYSTEME D'ESSUYAGE POUR VEHICULE AUTOMOBILE**
[72] CALLUIERE, JOHAN, FR
[72] THEBAULT, DENIS, FR
[72] NEGRE, PIERRE-EMMANUEL, FR
[73] VALEO SYSTEMES D'ESSUYAGE, FR
[85] 2012-09-14
[86] 2011-02-10 (PCT/EP2011/051981)
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[30] FR (10/01043) 2010-03-16

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[11] **2,793,519**
[13] C

[51] **Int.Cl. A61K 8/92 (2006.01) A45D 7/04 (2006.01) A45D 7/06 (2006.01) A61Q 5/00 (2006.01) A61Q 5/12 (2006.01)**

[25] EN

[54] **HAIR CARE PRODUCTS CONTAINING CONJUGATED UNSATURATED OILS**

[54] **PRODUITS DE SOINS CAPILLAIRES CONTENANT DES HUILES INSATUREES CONJUGUEES**

[72] FISCHER, VINCENT, US

[72] DAWIS, SUZANNE, US

[72] SCHROTT, ADAM, US

[72] DEARDORFF, JENNIFER, US

[73] KAO CORPORATION, JP

[85] 2012-09-17

[86] 2011-03-18 (PCT/US2011/028991)

[87] (WO2011/116283)

[30] US (61/315,529) 2010-03-19

[11] **2,794,199**
[13] C

[51] **Int.Cl. C12N 15/115 (2010.01) A61K 31/7088 (2006.01) A61P 29/00 (2006.01) A61P 43/00 (2006.01) C12N 15/09 (2006.01) C07K 14/48 (2006.01)**

[25] EN

[54] **APTAMER FOR NGF AND USE THEREOF**

[54] **APTAMERE POUR NGF ET UTILISATION DE CELUI-CI**

[72] NAKAMURA, YOSHIKAZU, JP

[72] JIN, LING, JP

[72] HIRAMATSU, HISANAO, JP

[73] RIBOMIC INC., JP

[73] FUJIMOTO PHARMACEUTICAL CORPORATION, JP

[85] 2012-09-21

[86] 2011-03-24 (PCT/JP2011/057105)

[87] (WO2011/118682)

[30] JP (2010-068546) 2010-03-24

[11] **2,795,904**
[13] C

[51] **Int.Cl. H04W 8/02 (2009.01)**

[25] EN

[54] **LOCATION METHOD AND LOCATION SYSTEM FOR ACQUIRING TERMINAL LOCATION**

[54] **PROCEDE DE LOCALISATION ET SYSTEME DE LOCALISATION POUR ACQUERIR LA POSITION D'UN TERMINAL**

[72] CHENG, YICHEN, CN

[73] ZTE CORPORATION, CN

[85] 2012-10-09

[86] 2011-02-25 (PCT/CN2011/071333)

[87] (WO2011/160465)

[30] CN (201010211191.8) 2010-06-23

[11] **2,797,306**
[13] C

[51] **Int.Cl. H04L 9/28 (2006.01) H04H 60/23 (2009.01) H04N 21/266 (2011.01)**

[25] EN

[54] **SECURITY PROCESSING SYSTEM AND METHOD FOR HTTP LIVE STREAMING**

[54] **SYSTEME DE TRAITEMENT DE SECURITE ET PROCEDE POUR PROTOCOLE DE FLUX DE DONNEES EN DIRECT HTTP**

[72] KIM, CHANG NAM, KR

[72] CHO, MI SUNG, KR

[73] ALTICAST CORPORATION, KR

[86] (2797306)

[87] (2797306)

[22] 2012-11-29

[30] KR (10-2011-0127363) 2011-11-30

[11] **2,798,881**
[13] C

[51] **Int.Cl. B01D 53/14 (2006.01) B01D 47/02 (2006.01) B01D 47/06 (2006.01) B01D 53/18 (2006.01) B01D 53/48 (2006.01) B01D 53/54 (2006.01) B01D 53/62 (2006.01)**

[25] EN

[54] **IMPROVED GAS SCRUBBER APPARATUS AND METHOD**

[54] **APPAREIL LAVEUR DE GAZ AMELIORE ET PROCEDE**

[72] MCCLELLAND, KENNETH JAMES, CA

[73] ENVIRORESOLUTIONS INC., CA

[85] 2012-11-08

[86] 2010-06-25 (PCT/CA2010/000988)

[87] (WO2010/148513)

[30] US (61/220,352) 2009-06-25

[11] **2,799,131**
[13] C

[51] **Int.Cl. H05B 7/06 (2006.01) F27B 3/28 (2006.01) F27D 21/00 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR LENGTH MEASUREMENT ON AN ELECTRODE**

[54] **PROCEDE ET DISPOSITIF DE MESURE DE LONGUEUR SUR UNE ELECTRODE**

[72] DIENENTHAL, JOERG, DE

[72] MORGENSTERN, HANS-UWE, DE

[73] DANGO & DIENENTHAL MASCHINENBAU GMBH, DE

[85] 2012-11-09

[86] 2011-05-26 (PCT/EP2011/058678)

[87] (WO2011/151256)

[30] EP (10164644.6) 2010-06-01

[11] **2,799,511**
[13] C

[51] **Int.Cl. C02F 3/30 (2006.01) C02F 1/00 (2006.01) C02F 3/00 (2006.01) C02F 3/02 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR PROCESSING LIQUID WASTE**

[54] **APPAREIL ET PROCEDE DE TRAITEMENT DE DECHETS LIQUIDES**

[72] PRESBY, DAVID W., US

[73] PRESBY PATENT TRUST, US

[85] 2012-11-15

[86] 2011-05-17 (PCT/US2011/036791)

[87] (WO2011/146470)

[30] US (61/345,260) 2010-05-17

[30] US (61/367,429) 2010-07-25

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[11] **2,805,124**
[13] C

[51] **Int.Cl. A61B 5/08 (2006.01) A61B 5/0205 (2006.01) A61B 5/053 (2006.01) A61B 5/087 (2006.01) A61B 5/091 (2006.01)**

[25] EN

[54] **DEVICES AND METHODS FOR RESPIRATORY VARIATION MONITORING BY MEASUREMENT OF RESPIRATORY VOLUMES, MOTION AND VARIABILITY**

[54] **DISPOSITIFS ET PROCÉDES DE SURVEILLANCE DE VARIATION RESPIRATOIRE GRACE A LA MESURE DE VOLUMES RESPIRATOIRES, DE MOUVEMENT ET DE LA VARIABILITE**

[72] FREEMAN, JENNY E., US
[72] LALLI, MICHAEL, US
[72] MATTFOLK, ALEX, US
[72] PANASYUK, ALEXANDER, US
[72] JAHNKE, CHARLES, US
[72] STEIGER, NATHANIEL, US
[72] PANASYUK, SVETLANA, US
[72] NAGPAL, ARVIL, US
[72] TOY, JAMES F., US
[73] RESPIRATORY MOTION, INC., US
[85] 2013-01-10
[86] 2011-08-15 (PCT/US2011/047812)
[87] (WO2012/021900)
[30] US (61/373,548) 2010-08-13
[30] US (61/449,811) 2011-03-07
[30] US (61/480,105) 2011-04-28
[30] US (61/509,952) 2011-07-20

[11] **2,805,738**
[13] C

[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/168 (2006.01) A61M 39/22 (2006.01) F04C 5/00 (2006.01)**

[25] EN

[54] **MATRIX INFUSION MEANS**

[54] **MOYENS DE PERFUSION MATRICIELS**

[72] KIRKPATRICK, GREGG, US
[73] CAREFUSION 303, INC., US
[85] 2013-01-16
[86] 2011-03-25 (PCT/US2011/030093)
[87] (WO2012/011976)
[30] US (12/842,856) 2010-07-23

[11] **2,806,106**
[13] C

[51] **Int.Cl. H02K 7/18 (2006.01) B64C 27/32 (2006.01) B64D 15/12 (2006.01) B64D 41/00 (2006.01) H02K 1/06 (2006.01)**

[25] EN

[54] **ELECTRICAL GENERATOR FOR ROTATING STRUCTURE**

[54] **GENERATEUR ELECTRIQUE POUR STRUCTURE ROTATIVE**

[72] AUBERT, ROGER, US
[72] SINUSAS, ERIC, US
[72] OUHROUCHE, MOHAND, CA
[72] MERCIER, CAROL, CA
[72] TRUCHON, MARTIN, CA
[72] BOUSSETOUA, MOHAMMED, CA
[72] FORTIN, GUY, CA
[72] PERRON, JEAN, CA
[73] BELL HELICOPTER TEXTRON INC., US
[73] UNIVERSITE DU QUEBEC A CHICOUTIMI, CA
[86] (2806106)
[87] (2806106)
[22] 2013-02-15
[30] US (61/600,328) 2012-02-17

[11] **2,806,332**
[13] C

[51] **Int.Cl. C07D 215/46 (2006.01) A61K 31/47 (2006.01) A61K 31/496 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) A61P 35/00 (2006.01) C07D 401/00 (2006.01) C07D 409/00 (2006.01)**

[25] EN

[54] **QUINOLINE DERIVATIVES AND MELK INHIBITORS CONTAINING THE SAME**

[54] **DERIVES DE QUINOLINE ET INHIBITEURS DE MELK LES CONTENANT**

[72] MATSUO, YO, JP
[72] HISADA, SHOJI, JP
[72] NAKAMURA, YUSUKE, JP
[72] AHMED, FERYAN, US
[72] HUNTLEY, RAYMOND, US
[72] WALKER, JOEL R., US
[72] DECORNEZ, HELENE, US
[73] ONCOTHERAPY SCIENCE, INC., JP
[85] 2013-01-22
[86] 2011-07-28 (PCT/US2011/045792)
[87] (WO2012/016082)
[30] US (61/369,519) 2010-07-30

[11] **2,806,575**
[13] C

[51] **Int.Cl. B65D 47/08 (2006.01) B65D 47/20 (2006.01) B65D 83/00 (2006.01)**

[25] EN

[54] **FLUID CONTAINMENT AND DISPENSING SYSTEM**

[54] **SYSTEME DE CONFINEMENT ET DE DISTRIBUTION DE FLUIDE**

[72] COSTELLO, MARK MARTIN, IE
[72] DOHERTY, TONY, IE
[72] INGRAM, AARON N., US
[72] LAIR, ANTHONY C., US
[73] NEOMED, INC., US
[85] 2013-01-24
[86] 2011-07-27 (PCT/US2011/045481)
[87] (WO2012/015883)
[30] US (61/368,023) 2010-07-27
[30] US (61/388,057) 2010-09-30
[30] US (61/418,961) 2010-12-02

[11] **2,807,293**
[13] C

[51] **Int.Cl. B21D 41/02 (2006.01) B21D 19/00 (2006.01)**

[25] EN

[54] **HAND HELD FLARING TOOL**

[54] **OUTIL A EVASER A MAIN**

[72] HASENBERG, MARK J., US
[72] PITTS, LOGAN D., US
[72] PEIRCE, JOHN M., US
[73] AGS COMPANY AUTOMOTIVE SOLUTIONS LLC, US
[85] 2013-02-01
[86] 2011-08-03 (PCT/US2011/046354)
[87] (WO2012/018875)
[30] US (61/371,317) 2010-08-06

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[11] **2,808,053**
[13] C

[51] **Int.Cl. B25B 11/00 (2006.01) B23Q 3/15 (2006.01) B25B 5/00 (2006.01) F16B 1/00 (2006.01)**

[25] EN

[54] **CLAMP ASSEMBLY INCLUDING PERMANENT MAGNETS AND COILS FOR SELECTIVELY MAGNETIZING AND DEMAGNETIZING THE MAGNETS**

[54] **ENSEMBLE PINCE COMPORTANT DES AIMANTS PERMANENTS ET DES BOBINES POUR MAGNETISER ET DEMAGNETISER SELECTIVEMENT LES AIMANTS**

[72] SARH, BRANKO, US
[72] RUS, DANIELA LUCIA, US
[72] MARCHESE, ANDREW DOMINIC, US

[73] THE BOEING COMPANY, US
[73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US

[86] (2808053)
[87] (2808053)
[22] 2013-02-28
[30] US (13/460,741) 2012-04-30

[11] **2,808,705**
[13] C

[51] **Int.Cl. G01F 11/28 (2006.01) A61L 2/20 (2006.01) A61L 2/24 (2006.01) A61L 2/26 (2006.01)**

[25] EN

[54] **HYDROGEN PEROXIDE STERILIZATION METHOD**

[54] **METHODE DE STERILISATION DE PEROXYDE D'HYDROGENE**

[72] VALLIERES, JEAN-MARTIN, CA
[72] TREMBLAY, BRUNO, CA
[73] TSO3 INC., CA

[86] (2808705)
[87] (2808705)
[22] 2010-09-29
[62] 2,767,726
[30] US (61/247,197) 2009-09-30

[11] **2,808,807**
[13] C

[51] **Int.Cl. A61K 8/9789 (2017.01) A61K 8/19 (2006.01) A61K 8/34 (2006.01) A61K 8/36 (2006.01) A61K 8/37 (2006.01) A61Q 15/00 (2006.01)**

[25] EN

[54] **DEODORANT WITH IMPROVED ENDURANCE AND STABILITY**

[54] **DEODORANT A ENDURANCE ET STABILITE AMELIOREES**

[72] MOBARAK, HANY ABO-EL-MAGD, CA

[73] KNOWLTON DEVELOPMENT CORPORATION INC., CA

[86] (2808807)
[87] (2808807)
[22] 2013-03-07

[11] **2,809,599**
[13] C

[51] **Int.Cl. G02B 27/01 (2006.01) G02B 27/12 (2006.01) G02B 27/18 (2006.01)**

[25] EN

[54] **LENS-BASED IMAGE AUGMENTING OPTICAL WINDOW WITH INTERMEDIATE REAL IMAGE**

[54] **FENETRE OPTIQUE D'AGRANDISSEMENT DE L'IMAGE SUR L'OBJECTIF AVEC IMAGE REELLE INTERMEDIAIRE**

[72] KONIG, JENS, DE
[73] BLACKBERRY LIMITED, CA

[86] (2809599)
[87] (2809599)
[22] 2013-03-15
[30] EP (12159743.9) 2012-03-15

[11] **2,809,915**
[13] C

[51] **Int.Cl. H03M 3/04 (2006.01) G10L 19/00 (2013.01)**

[25] EN

[54] **PREDICTION OF SIGNALS**

[54] **PREDICTION DE SIGNAUX**

[72] CRAVEN, PETER GRAHAM, GB
[72] LAW, MALCOLM, GB
[73] CRAVEN, PETER GRAHAM, GB
[73] LAW, MALCOLM, GB

[85] 2013-02-28
[86] 2010-09-02 (PCT/GB2010/001663)
[87] (WO2011/027114)
[30] GB (0915395.8) 2009-09-03

[11] **2,810,295**
[13] C

[51] **Int.Cl. C07D 473/04 (2006.01) A61K 31/522 (2006.01)**

[25] EN

[54] **A POLYMERIC FORM OF 1-((4-METHYL-QUINAZOLIN-2-YL)METHYL)-3-7-(2-BUTYN-1-YL)-8-(3-(R)-AMINOPIPERIDIN-1-YL)XANTHINE**

[54] **UNE FORME POLYMERE DE 1-((4-METHYLE-QUINAZOLINE-2-YL)METHYLE)-3-7-(2-BUTYN-1-YL)-8-(3-(R)-AMINOPIPERIDIN-1-YL)XANTHINE**

[72] SIEGER, PETER, DE
[72] KEMMER, DIRK, DE
[72] KOHLBAUER, PETER, DE
[72] NICOLA, THOMAS, DE
[72] RENZ, MARTIN, DE

[73] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE

[86] (2810295)
[87] (2810295)
[22] 2007-04-30
[62] 2,651,089
[30] EP (06009202.0) 2006-05-04

[11] **2,810,676**
[13] C

[51] **Int.Cl. G02B 3/00 (2006.01) G02B 1/04 (2006.01)**

[25] EN

[54] **LENS PLATE FOR WAFER-LEVEL CAMERA AND METHOD OF MANUFACTURING SAME**

[54] **PLAQUE DE LENTILLE POUR APPAREIL PHOTO SUR TRANCHE ET PROCEDE DE FABRICATION CONNEXE**

[72] WIDMER, LEAH, US
[73] OMNIVISION TECHNOLOGIES, INC., US

[86] (2810676)
[87] (2810676)
[22] 2013-03-27
[30] US (13/444,618) 2012-04-11

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[11] **2,811,408**
[13] C

[51] **Int.Cl. G06Q 30/04 (2012.01)**
[25] EN
[54] **DETERMINING LOCAL TAX STRUCTURES IN AN ACCOUNTING APPLICATION THROUGH USER CONTRIBUTION**
[54] **DETERMINATION DE STRUCTURES FISCALES LOCALES DANS UNE APPLICATION COMPTABLE PAR LE BIAIS D'UNE CONTRIBUTION D'UTILISATEURS**
[72] PAI, YOGISH, US
[72] SHARMA, ANIL, IN
[72] PESHWE, SHIRISH KISHORE, IN
[72] VERMA, ANSHU, IN
[72] BLITZ, RICHARD ERNEST, CA
[73] INTUIT INC., US
[86] (2811408)
[87] (2811408)
[22] 2013-04-02
[30] US (13/744,108) 2013-01-17

[11] **2,811,838**
[13] C

[51] **Int.Cl. A61B 17/56 (2006.01) A61B 17/04 (2006.01) A61B 17/16 (2006.01)**
[25] EN
[54] **KNOTLESS FILAMENT ANCHOR FOR SOFT TISSUE REPAIR**
[54] **FILAMENT SANS NOEUD POUR REPARATION DE TISSUS MOUS**
[72] NG, TRACY PAT-YEN, US
[72] PILGERAM, KYLE CRAIG, US
[72] CORDOVA, LEE HARRIS, US
[72] MCLAUGHLIN, ROBERT EUGENE, II, US
[72] FROMM, STUART EDWARD, US
[73] HOWMEDICA OSTEONICS CORP., US
[86] (2811838)
[87] (2811838)
[22] 2013-04-05
[30] US (13/441,290) 2012-04-06

[11] **2,814,047**
[13] C

[51] **Int.Cl. C12Q 1/00 (2006.01)**
[25] EN
[54] **HIGH-THROUGHPUT IMMUNE SEQUENCING**
[54] **SEQUENCAGE IMMUNITAIRE A HAUT DEBIT**
[72] CHURCH, GEORGE M., US
[72] VIGNEAULT, FRANCOIS, US
[72] LASERSON, URI, US
[72] BACHELET, IDO, US
[73] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2013-04-05
[86] 2011-10-11 (PCT/US2011/055801)
[87] (WO2012/048340)
[30] US (61/391,337) 2010-10-08

[11] **2,818,272**
[13] C

[51] **Int.Cl. B01J 21/04 (2006.01) B01J 37/08 (2006.01)**
[25] EN
[54] **AN ALUMINA-BASED SULFUR RECOVERY CATALYST AND PREPARATION METHOD FOR THE SAME**
[54] **CATALYSEUR DE RECUPERATION DE SOUFRE A BASE D'ALUMINE ET SON PROCEDE DE PREPARATION**
[72] LIU, AIHUA, CN
[72] SHENG, ZHAOSHUN, CN
[72] LIU, JIANLI, CN
[72] WANG, JIANHUA, CN
[72] ZHU, DEHUA, CN
[72] LIU, ZENGRANG, CN
[72] LIANG, YINGJIE, CN
[73] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[86] (2818272)
[87] (2818272)
[22] 2013-06-10
[30] CN (201210192484.5) 2012-06-12

[11] **2,819,813**
[13] C

[51] **Int.Cl. B01J 8/22 (2006.01) B01J 8/18 (2006.01) C10G 2/00 (2006.01)**
[25] EN
[54] **SLURRY PHASE APPARATUS**
[54] **APPAREIL POUR PHASE DE SUSPENSION PATEUSE**
[72] STEYNBERG, ANDRE PETER, ZA
[72] KLEYNHANS, EVERT PHILLIPPUS, ZA
[72] LEE, MARSHALL STEPHEN, US
[72] NEL, HERMANUS GERHARDUS, ZA
[72] LOUW, JAKO, ZA
[73] SASOL TECHNOLOGY (PROPRIETARY) LIMITED, ZA
[85] 2013-06-03
[86] 2011-12-12 (PCT/IB2011/055607)
[87] (WO2012/080933)
[30] US (61/422,457) 2010-12-13
[30] ZA (2010/08969) 2010-12-13

[11] **2,821,701**
[13] C

[51] **Int.Cl. F03D 7/02 (2006.01)**
[25] EN
[54] **CONTROL SYSTEM AND METHOD FOR MITIGATING ROTOR IMBALANCE ON A WIND TURBINE**
[54] **SYSTEME DE COMMANDE ET PROCEDE POUR REDUIRE LE DESEQUILIBRE DU ROTOR D'UNE EOLIENNE**
[72] FU, XU, US
[72] QIU, HAI, US
[72] YOON, MYUNGKEUN, US
[72] HE, LIHAN, US
[72] YANG, YONG, US
[72] LI, QIANG, US
[72] WU, ZHILIN, US
[72] CURTIN, GERALD ADDISON, JR., US
[72] NI, NA, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2821701)
[87] (2821701)
[22] 2013-07-25
[30] CN (201210273836.X) 2012-08-02

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[11] **2,822,306**
[13] C

[51] **Int.Cl. F03D 3/00 (2006.01)**
[25] EN
[54] **CO-AXIAL ROTORS IN A WIND TURBINE AND A METHOD OF GENERATING ENERGY THEREFROM**
[54] **ROTORS COAXIAUX DANS UNE EOLIENNE ET METHODE DE PRODUCTION D'ENERGIE ASSOCIEE**
[72] SEIFERT, JOST, DE
[73] EADS DEUTSCHLAND GMBH, DE
[85] 2013-06-19
[86] 2011-08-01 (PCT/DE2011/001536)
[87] (WO2012/083907)
[30] DE (10 2010 055 687.4) 2010-12-22

[11] **2,822,749**
[13] C

[51] **Int.Cl. G21C 17/00 (2006.01)**
[25] EN
[54] **SELF-POWERED WIRELESS IN-CORE DETECTOR**
[54] **DETECTEUR DE COEUR SANS FIL, AUTONOME**
[72] HEIBEL, MICHAEL D., US
[72] KISTLER, DANIEL P., US
[72] PRIBLE, MICHAEL C., US
[72] CARVAJAL, JORGE V., US
[72] PALMER, JASON, US
[73] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2013-06-21
[86] 2011-01-20 (PCT/US2011/021781)
[87] (WO2012/094025)
[30] US (12/986,217) 2011-01-07

[11] **2,822,808**
[13] C

[51] **Int.Cl. G21C 17/00 (2006.01) G01T 3/00 (2006.01) G08C 17/02 (2006.01)**
[25] EN
[54] **WIRELESS IN-CORE NEUTRON MONITOR**
[54] **DISPOSITIF DE SURVEILLANCE DE NEUTRONS DANS UN CŒUR SANS FIL**
[72] SEIDEL, JOHN G., US
[72] FLAMMANG, ROBERT W., US
[72] CARVAJAL, JORGE V., US
[72] JAMES, MICHAEL A., US
[72] ARLIA, NICOLA G., US
[73] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2013-06-21
[86] 2011-01-20 (PCT/US2011/021783)
[87] (WO2012/094026)
[30] US (12/986,242) 2011-01-07

[11] **2,823,943**
[13] C

[51] **Int.Cl. B64C 21/04 (2006.01) B63B 1/32 (2006.01) F04D 17/06 (2006.01) F15D 1/10 (2006.01)**
[25] EN
[54] **FLUIDIC TRAVERSE ACTUATOR**
[54] **ACTIONNEUR DE TRAVERSE FLUIDIQUE**
[72] SHMILOVICH, ARVIN, US
[72] KENT, STEVEN RICHARD, US
[73] THE BOEING COMPANY, US
[86] (2823943)
[87] (2823943)
[22] 2013-08-15
[30] US (13/662,466) 2012-10-27

[11] **2,823,977**
[13] C

[51] **Int.Cl. F28F 3/02 (2006.01)**
[25] EN
[54] **CROSS-FLOW HEAT EXCHANGER HAVING GRADUATED FIN DENSITY**
[54] **ECHANGEUR DE CHALEUR A COURANTS CROISES A DENSITE D'AILETTES GRADUEE**
[72] LANDRE, ERIC G., US
[73] THE BOEING COMPANY, US
[86] (2823977)
[87] (2823977)
[22] 2013-08-16
[30] US (13/665,396) 2012-10-31

[11] **2,824,697**
[13] C

[51] **Int.Cl. A61N 1/34 (2006.01) A61N 1/04 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **APPLICATOR HEAD AND METHOD FOR TREATMENT OF PAIN BY TRANSCUTANEOUS ELECTRICAL NERVE STIMULATION**
[54] **TETE DE DISTRIBUTION ET PROCEDE POUR LE TRAITEMENT DE LA DOULEUR PAR NEUROSTIMULATION ELECTRIQUE TRANSCUTANEE**
[72] SCHROEDER, NORMAN R., US
[73] N & C HOLDINGS, LLC, US
[86] (2824697)
[87] (2824697)
[22] 2013-08-23

[11] **2,825,369**
[13] C

[51] **Int.Cl. F02B 63/00 (2006.01) F16D 11/14 (2006.01)**
[25] EN
[54] **POWER TAKE OFF COUPLING ETC**
[54] **COUPLAGE DE PRISE DE FORCE, ETC.**
[72] REES, SAMUEL RYAN, GB
[72] WADE, JOHN R., GB
[73] EVOLUTION POWER TOOLS LIMITED, GB
[85] 2013-07-22
[86] 2012-01-24 (PCT/IB2012/050326)
[87] (WO2012/104745)
[30] GB (1101605.2) 2011-01-31

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[11] **2,825,512**
[13] C

[51] **Int.Cl. A61K 33/00 (2006.01) A61K 9/14 (2006.01) A61P 9/00 (2006.01) A61P 41/00 (2006.01) C01B 33/12 (2006.01) C01D 1/02 (2006.01) C01F 5/02 (2006.01) C01F 17/00 (2006.01) C01G 23/047 (2006.01)**

[25] EN

[54] **RADIOPAQUE EMBOLIC PARTICLES**

[54] **PARTICULES EMBOLIQUES OPAQUES AUX RAYONS X**

[72] ABRAHAM, ROBERT J., CA

[72] KEHOE, SHARON, CA

[72] BOYD, DANIEL, CA

[73] ABK BIOMEDICAL INCORPORATED, CA

[85] 2013-07-19

[86] 2012-01-27 (PCT/IB2012/000341)

[87] (WO2012/101524)

[30] US (61/437,566) 2011-01-28

[11] **2,826,799**
[13] C

[51] **Int.Cl. A61B 3/10 (2006.01) A61B 3/18 (2006.01) G01B 11/00 (2006.01) G01N 21/41 (2006.01) G01N 21/47 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR MEASURING INTERNAL DIMENSIONS OF AN OBJECT BY OPTICAL COHERENCE TOMOGRAPHY**

[54] **SYSTEME ET PROCEDE POUR MESURER LES DIMENSIONS INTERNES D'UN OBJET PAR TOMOGRAPHIE PAR COHERENCE OPTIQUE**

[72] VOGLER, KLAUS, DE

[72] WUELLNER, CHRISTIAN, DE

[72] GORSCHBOTH, CLAUDIA, DE

[72] DONITZKY, CHRISTOF, DE

[73] WAVELIGHT GMBH, DE

[85] 2013-08-08

[86] 2011-02-15 (PCT/EP2011/000711)

[87] (WO2012/110051)

[11] **2,827,786**
[13] C

[51] **Int.Cl. G01S 7/48 (2006.01) G01S 7/497 (2006.01) G01S 17/02 (2006.01) G01S 17/08 (2006.01)**

[25] EN

[54] **ELECTRO-OPTICAL DISTANCE MEASURING DEVICE WITH GESTURE MEASUREMENT TRIGGERING THAT FUNCTIONS WITHOUT CONTACTING THE MEASURING DEVICE**

[54] **APPAREIL DE MESURE DE DISTANCE ELECTRO-OPTIQUE COMPRENANT UN DECLenchement DE MESURE PAR GESTE FONCTIONNANT SANS CONTACT**

[72] BUCHEL, SVEN, CH

[73] LEICA GEOSYSTEMS AG, CH

[85] 2013-08-20

[86] 2012-03-22 (PCT/EP2012/055154)

[87] (WO2012/127017)

[30] EP (11159282.0) 2011-03-22

[11] **2,827,862**
[13] C

[51] **Int.Cl. C03C 17/36 (2006.01)**

[25] EN

[54] **BARRIER LAYERS COMPRISING NI-INCLUSIVE TERNARY ALLOYS, COATED ARTICLES INCLUDING BARRIER LAYERS, AND METHODS OF MAKING THE SAME**

[54] **COUCHES BARRIERE COMPRENANT DES ALLIAGES TERNAIRES COMPRENANT DU NI, PARTICULES REVETUES COMPRENANT DES COUCHES BARRIERE, ET LEURS PROCEDES DE FABRICATION**

[72] IMRAN, MUHAMMAD, US

[72] DISTELDORF, BERND, DE

[72] FRANK, MARCUS, US

[72] BLACKER, RICHARD, US

[73] GUARDIAN INDUSTRIES CORP., US

[85] 2013-08-20

[86] 2011-10-12 (PCT/US2011/001748)

[87] (WO2012/118471)

[30] US (13/064,064) 2011-03-03

[11] **2,828,378**
[13] C

[51] **Int.Cl. C07D 265/30 (2006.01) A61K 31/4025 (2006.01) A61K 31/416 (2006.01) A61K 31/437 (2006.01) A61K 31/496 (2006.01) A61K 31/5375 (2006.01) A61K 31/5377 (2006.01) A61P 9/00 (2006.01) A61P 9/12 (2006.01) A61P 13/12 (2006.01) C07D 403/12 (2006.01) C07D 405/12 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01)**

[25] EN

[54] **NITROGEN-CONTAINING SATURATED HETEROCYCLIC COMPOUND**

[54] **COMPOSE HETEROCYCLIQUE SATURE CONTENANT DE L'AZOTE**

[72] IJIMA, TORU, JP

[72] SUGAMA, HIROSHI, JP

[72] KAWAGUCHI, TAKAYUKI, JP

[72] SHEN, JINGKANG, CN

[72] XIA, GUANGXIN, CN

[72] XIE, JIANSHU, CN

[72] HIRAI, MIKI, JP

[73] MITSUBISHI TANABE PHARMA CORPORATION, JP

[73] SHANGHAI PHARMACEUTICALS HOLDING CO., LTD., CN

[85] 2013-08-27

[86] 2012-03-15 (PCT/JP2012/056750)

[87] (WO2012/124775)

[30] JP (2011-058338) 2011-03-16

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[11] **2,829,185**
[13] C

[51] **Int.Cl. G01N 35/02 (2006.01) B01J 19/00 (2006.01) G01N 21/64 (2006.01) G01N 33/53 (2006.01) G01N 37/00 (2006.01)**

[25] EN

[54] **BEAD SEALING METHOD, METHOD FOR DETECTING TARGET MOLECULE, ARRAY, KIT, AND TARGET MOLECULE DETECTION DEVICE**

[54] **PROCEDE DE SCHELEMENT ETANCHE DE BILLES, PROCEDE DE DETECTION D'UNE MOLECULE CIBLE, RESEAU, TROUSSE, ET DISPOSITIF DE DETECTION D'UNE MOLECULE CIBLE**

[72] NOJI, HIROYUKI, JP
[72] IINO, RYOTA, JP
[72] ARAKI, SUGURU, JP
[73] JAPAN SCIENCE AND TECHNOLOGY AGENCY, JP

[85] 2013-09-05
[86] 2012-03-07 (PCT/JP2012/055884)
[87] (WO2012/121310)
[30] JP (2011-050629) 2011-03-08

[11] **2,831,268**
[13] C

[51] **Int.Cl. C12P 7/06 (2006.01) A23J 1/12 (2006.01) B02C 9/00 (2006.01) C11C 1/10 (2006.01) C12M 1/00 (2006.01)**

[25] EN

[54] **DRY GRIND ETHANOL PRODUCTION PROCESS AND SYSTEM WITH FRONT END MILLING METHOD**

[54] **PROCEDE D'OBTENTION D'ETHANOL PAR BROYAGE A SEC ET SYSTEME AYANT PROCEDE DE BROYAGE INITIAL**

[72] LEE, CHIE YING, US
[73] LEE TECH LLC, US

[85] 2013-09-24
[86] 2012-03-23 (PCT/US2012/030337)
[87] (WO2012/129500)
[30] US (61/466,985) 2011-03-24
[30] US (61/501,041) 2011-06-24

[11] **2,832,470**
[13] C

[51] **Int.Cl. A61B 5/0408 (2006.01) A41D 13/12 (2006.01) A61F 13/00 (2006.01) D03D 15/00 (2006.01) H01B 1/24 (2006.01)**

[25] EN

[54] **FABRIC FOR ACQUIRING PHYSIOLOGICAL SIGNALS**

[54] **TISSU SERVANT A ACQUERIR DES SIGNAUX PHYSIOLOGIQUES**

[72] MACIA BARBER, AGUSTIN, ES
[72] LLORCA JUAN, DANIEL, IT
[72] VICENTE RENGEL, CHRISTIAN, ES
[72] GONZALVEZ MUNOZ, BORJA, ES
[73] SMART SOLUTIONS TECHNOLOGIES, S.L., ES

[85] 2013-10-07
[86] 2012-04-11 (PCT/EP2012/056573)
[87] (WO2012/140079)
[30] EP (11162135.5) 2011-04-12
[30] US (61/474,484) 2011-04-12

[11] **2,833,710**
[13] C

[51] **Int.Cl. A61J 7/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR DISPENSING MEDICAL PRODUCTS**

[54] **SYSTEMES ET PROCEDES DE DISTRIBUTION DE PRODUITS MEDICAUX**

[72] HART, BRIAN T., US
[72] HART, RICHARD D., US
[72] BERUBE, ARTHUR A., US
[72] LIFF, HAROLD J., US
[72] DOWLING, JAMES, US
[72] PIANTEDOSI, STEVE, US
[72] STOUT, SCOTT G., US
[73] ARXIUM, INC., US

[86] (2833710)
[87] (2833710)
[22] 2003-10-16
[62] 2,502,489
[30] US (10/272,516) 2002-10-16

[11] **2,834,738**
[13] C

[51] **Int.Cl. G01N 21/88 (2006.01) F03D 17/00 (2016.01) G01N 21/95 (2006.01)**

[25] EN

[54] **ASSESSMENT OF ROTOR BLADES**

[54] **EXAMEN DE PALES DE ROTOR**

[72] JANSEN, GERHARD, DE
[73] WOBLEN PROPERTIES GMBH, DE

[85] 2013-10-30
[86] 2012-04-19 (PCT/EP2012/057188)
[87] (WO2012/152561)
[30] DE (10 2011 075 675.2) 2011-05-11

[11] **2,835,207**
[13] C

[51] **Int.Cl. B65B 29/00 (2006.01) A24B 13/00 (2006.01) B65B 63/00 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR STAINING A TOBACCO POUCH PRODUCT**

[54] **APPAREIL ET PROCEDE PERMETTANT DE COLORER UN PRODUIT DE BLAGUE A TABAC**

[72] GRISCIK, GREGORY J., US
[72] GARTHAFNER, TRAVIS M., US
[73] ALTRIA CLIENT SERVICES LLC, US

[85] 2013-11-05
[86] 2012-05-04 (PCT/US2012/036482)
[87] (WO2012/154543)
[30] US (13/102,892) 2011-05-06

[11] **2,835,501**
[13] C

[51] **Int.Cl. H01J 49/42 (2006.01)**

[25] EN

[54] **MASS ANALYSER**

[54] **ANALYSEUR DE MASSE**

[72] DENISOV, EDUARD V., DE
[72] KHOLOMEEV, ALEXANDER, DE
[72] HAUSCHILD, JAN-PETER, DE
[72] MAKAROV, ALEXANDER ALEKSEEVICH, DE

[73] THERMO FISHER SCIENTIFIC (BREMEN) GMBH, DE

[85] 2013-11-08
[86] 2012-05-14 (PCT/EP2012/058941)
[87] (WO2012/152950)
[30] GB (1107959.7) 2011-05-12

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[11] **2,836,643**
[13] C

[51] **Int.Cl. A61K 9/72 (2006.01) A61K 9/14 (2006.01) A61K 38/14 (2006.01) A61P 11/00 (2006.01) A61P 31/04 (2006.01)**

[25] EN

[54] **DRY POWDER VANCOMYCIN COMPOSITIONS AND ASSOCIATED METHODS**

[54] **COMPOSITIONS DE POUDRE SECHE DE VANCOMYCINE ET METHODES ASSOCIEES**

[72] LORD, JOHN, US

[72] JOUHIKAINEN, JAAKKO TANELI, US

[72] SNYDER, HERMAN E., US

[72] SONI, PRAVIN, US

[72] KUO, MEI-CHANG, US

[73] SAVARA, INC., US

[85] 2013-11-18

[86] 2012-05-21 (PCT/US2012/038775)

[87] (WO2012/159103)

[30] US (61/487,971) 2011-05-19

[11] **2,838,628**
[13] C

[51] **Int.Cl. F16L 1/11 (2006.01) E03B 7/07 (2006.01) F16L 11/12 (2006.01) G01N 37/00 (2006.01) G02B 6/50 (2006.01) H02G 3/04 (2006.01)**

[25] EN

[54] **DUCT SYSTEM INCLUDING INFORMATION MODULES CONFIGURED TO EMIT POSITIONAL INFORMATION AND METHOD OF THE SAME**

[54] **RESEAU DE CONDUITS COMPORTANT DES MODULES D'INFORMATION CONFIGURES POUR EMETTRE DE L'INFORMATION DE POSITIONNEMENT ET METHODE ASSOCIEE**

[72] GRIMSLEY, TIMOTHY A., US

[72] MCCALL, THOMAS, US

[73] DURA-LINE CORPORATION, US

[86] (2838628)

[87] (2838628)

[22] 2014-01-07

[30] US (14/146,874) 2014-01-03

[30] US (61/750,103) 2013-01-08

[11] **2,839,430**
[13] C

[51] **Int.Cl. B64C 1/00 (2006.01) B64C 1/40 (2006.01) B64D 11/00 (2006.01) F16F 7/104 (2006.01) F16F 15/02 (2006.01) F16L 3/22 (2006.01)**

[25] EN

[54] **VIBRATION ISOLATION SYSTEM**

[54] **SYSTEME D'ISOLATION DES VIBRATIONS**

[72] WANG, TONGAN, US

[72] HORNICK, DAVID C., US

[72] MAXON, JOHN W., JR., US

[72] FOOSE, ANDREW S., US

[72] FILA, JOSEF A., US

[73] GULFSTREAM AEROSPACE CORPORATION, US

[85] 2013-12-13

[86] 2012-04-11 (PCT/US2012/033124)

[87] (WO2012/142161)

[30] US (13/084,200) 2011-04-11

[11] **2,839,579**
[13] C

[51] **Int.Cl. A21D 2/18 (2006.01) A21D 13/02 (2006.01)**

[25] EN

[54] **HEALTHY LAYERED COOKIE**

[54] **BISCUIT EN COUCHES SAIN**

[72] LANVIN, LIONEL, FR

[72] VEREL, ALIETTE, FR

[72] ARLOTTI, AGATHE, FR

[73] GENERALE BISCUIT, FR

[85] 2013-12-16

[86] 2012-06-20 (PCT/EP2012/061888)

[87] (WO2012/120155)

[30] EP (11290278.8) 2011-06-20

[30] EP (11290279.6) 2011-06-20

[30] US (61/498,986) 2011-06-20

[11] **2,839,658**
[13] C

[51] **Int.Cl. H02J 13/00 (2006.01) H02J 3/00 (2006.01)**

[25] FR

[54] **SWITCHING APPARATUS, CONTROL SYSTEM AND METHOD FOR VARYING AN IMPEDANCE OF A PHASE LINE**

[54] **APPAREIL DE COMMUTATION, SYSTEME DE CONTROLE ET METHODE POUR VARIER L'IMPEDANCE D'UNE LIGNE DE PHASE**

[72] COUTURE, PIERRE, CA

[73] HYDRO-QUEBEC, CA

[85] 2013-12-16

[86] 2011-07-22 (PCT/CA2011/000850)

[87] (WO2013/013282)

[11] **2,840,235**
[13] C

[51] **Int.Cl. C09K 8/80 (2006.01) E21B 43/267 (2006.01)**

[25] EN

[54] **LOW SURFACE FRICTION PROPPANTS**

[54] **AGENTS DE SOUTÈNEMENT A FAIBLE FROTTEMENT DE SURFACE**

[72] FANG, CHRISTOPHER Y., US

[72] CHATTERJEE, DILIP K., US

[72] SKALA, ROBERT D., US

[72] COKER, CHRISTOPHER E., US

[72] LOSCUTOVA, JOHN R., US

[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2013-12-20

[86] 2012-07-13 (PCT/US2012/046578)

[87] (WO2013/010050)

[30] US (61/507,437) 2011-07-13

[11] **2,840,267**
[13] C

[51] **Int.Cl. H01L 27/146 (2006.01) H04N 5/335 (2011.01)**

[25] EN

[54] **MULTI-DEPTH-OF-FIELD LIGHT-SENSING DEVICE, SYSTEM, DEPTH OF FIELD EXTENSION METHOD, AND OPTICAL IMAGING SYSTEM**

[54] **DISPOSITIF PHOTOSENSIBLE A PROFONDEURS DE SCENE MULTIPLES, SYSTEME ASSOCIE, PROCEDE D'EXPANSION DE PROFONDEUR DE SCENE, ET SYSTEME DE FORMATION D'IMAGE OPTIQUE**

[72] HU, XIAOPING, CN

[73] BOLY MEDIA COMMUNICATIONS (SHENZHEN) CO., LTD, CN

[85] 2013-12-23

[86] 2011-06-24 (PCT/CN2011/076338)

[87] (WO2012/174752)

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[11] **2,841,926**
[13] C

[51] **Int.Cl. E21B 41/02 (2006.01) E21B 43/27 (2006.01)**
[25] EN
[54] **METHOD OF CONTROLLING CORROSION RATE IN DOWNHOLE ARTICLE, AND DOWNHOLE ARTICLE HAVING CONTROLLED CORROSION RATE**
[54] **PROCEDE DE CONTROLE DE VITESSE DE CORROSION DANS UN ARTICLE EN FOND DE TROU, ET ARTICLE EN FOND DE TROU PRESENTANT UNE VITESSE DE CORROSION CONTROLEE**
[72] MAZYAR, OLEG A., US
[72] JOHNSON, MICHAEL, US
[72] GAUDETTE, SEAN, US
[73] BAKER HUGHES INCORPORATED, US
[85] 2014-01-13
[86] 2012-07-30 (PCT/US2012/048792)
[87] (WO2013/022635)
[30] US (13/204,359) 2011-08-05

[11] **2,842,011**
[13] C

[51] **Int.Cl. F16J 15/52 (2006.01) F04B 47/06 (2006.01) F04D 13/10 (2006.01) F04D 29/10 (2006.01) H02K 5/124 (2006.01) H02K 5/132 (2006.01)**
[25] EN
[54] **HIGH TEMPERATURE MOTOR SEAL FOR ARTIFICIAL LIFT SYSTEM**
[54] **JOINT DE MOTEUR HAUTE TEMPERATURE POUR SYSTEME DE LEVAGE ARTIFICIEL**
[72] SANTOS, ENRIQUE C., CA
[72] MADAMBA, EDISON R., CA
[73] OILFIELD EQUIPMENT DEVELOPMENT CENTER LIMITED, SC
[86] (2842011)
[87] (2842011)
[22] 2014-02-06
[30] US (61/761,976) 2013-02-07

[11] **2,844,193**
[13] C

[51] **Int.Cl. F16L 37/00 (2006.01) B67D 7/04 (2010.01) B67D 7/32 (2010.01) F16K 51/00 (2006.01) F16L 25/00 (2006.01) F16L 37/18 (2006.01)**
[25] EN
[54] **FLOW VALVE WITH COMPONENTS WHICH PREVENT INTERCHANGEABILITY**
[54] **VANNE DE REGLAGE DOTEES DE COMPOSANTES EMPECHANT L'ECHANGE**
[72] ZONNEVELD, EDWIN JOHN WILLIAM, CA
[72] STEAD, KELLY MAXWELL, CA
[73] ZONNEVELD, EDWIN JOHN WILLIAM, CA
[73] STEAD, KELLY MAXWELL, CA
[86] (2844193)
[87] (2844193)
[22] 2014-02-24

[11] **2,846,173**
[13] C

[51] **Int.Cl. G06Q 50/08 (2012.01) G09B 29/10 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INTEGRATION AND CORRELATION OF GIS DATA**
[54] **SYSTEME ET PROCEDE POUR L'INTEGRATION ET LA CORRELATION DES DONNEES GIS**
[72] TUCKER, NELSON P., US
[72] COLBY, DANIEL E., US
[72] FORSTER, PETER J.L., US
[72] SLUSARENKO, WILLIAM S., US
[73] PROSTAR GEOCORP, INC., US
[86] (2846173)
[87] (2846173)
[22] 2014-03-14
[30] US (61/788416) 2013-03-15

[11] **2,846,363**
[13] C

[51] **Int.Cl. E21B 33/04 (2006.01) E21B 19/02 (2006.01) E21B 19/06 (2006.01)**
[25] EN
[54] **WELL MULTIPLE CASING INSTALLATION SYSTEM**
[54] **SYSTEME D'INSTALLATION DE TUBAGE DE Puits MULTIPLE**
[72] MILLER, DAVID M., US
[73] MILLER, DAVID M., US
[86] (2846363)
[87] (2846363)
[22] 2014-03-13
[30] US (13/987,729) 2013-08-26

[11] **2,846,733**
[13] C

[51] **Int.Cl. B65D 63/00 (2006.01) A45C 13/30 (2006.01)**
[25] EN
[54] **CONTAINER, AND USE OF THE CONTAINER AS A TRIM PAINT PAIL**
[54] **CONTENANT ET SON UTILISATION COMME BAC DE PEINTURE A MOULURE**
[72] ARVINTE, ROMEO, CA
[72] PANFILI, FRANCOIS, CA
[73] A. RICHARD TOOLS CO./OUTILS A. RICHARD CO., CA
[86] (2846733)
[87] (2846733)
[22] 2014-03-17
[30] US (61/792,303) 2013-03-15

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[11] **2,847,880**
[13] C

[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/76 (2006.01) A61M 39/22 (2006.01)**
[25] EN
[54] **PROSTHETIC MITRAL VALVE WITH VENTRICULAR TETHERS AND METHODS FOR IMPLANTING SAME**
[54] **PROTHESE DE VALVULE MITRALE AVEC AMARRES VENTRICULAIRES ET SES METHODES D'IMPLANTATION**
[72] MIGLIAZZA, JOHN F., US
[72] LAFRANCE, HUGUES, US
[72] CHEN, HARVEY H., US
[72] OBA, TRAVIS Z., US
[73] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2014-03-05
[86] 2012-09-26 (PCT/US2012/057352)
[87] (WO2013/049218)
[30] US (61/539,356) 2011-09-26
[30] US (13/626,732) 2012-09-25

[11] **2,848,272**
[13] C

[51] **Int.Cl. G01N 21/88 (2006.01) G01M 17/00 (2006.01) G01M 17/08 (2006.01)**
[25] EN
[54] **THERMAL IMAGING-BASED VEHICLE ANALYSIS**
[54] **ANALYSE DE VEHICULES A BASE D'IMAGERIE THERMIQUE**
[72] MIAN, ZAHID F., US
[72] MULLANEY, JEREMY C., US
[72] GLASSER, NICHOLAS, US
[73] INTERNATIONAL ELECTRONIC MACHINES CORP., US
[86] (2848272)
[87] (2848272)
[22] 2009-10-22
[62] 2,743,237
[30] US (61/193,012) 2008-10-22

[11] **2,848,875**
[13] C

[51] **Int.Cl. C12N 5/09 (2010.01) C12M 3/00 (2006.01)**
[25] EN
[54] **ADHERENT CELL CULTURE METHOD**
[54] **PROCEDE DE CULTURE DE CELLULES ADHERENTES**
[72] EJIRI, YOKO, JP
[72] AYANO, SATORU, JP
[72] HOSODA, MASAYA, JP
[72] TAZAKI, GO, JP
[73] KURARAY CO., LTD., JP
[85] 2014-03-14
[86] 2012-09-20 (PCT/JP2012/005965)
[87] (WO2013/042360)
[30] JP (2011-204796) 2011-09-20

[11] **2,849,706**
[13] C

[51] **Int.Cl. C09C 1/30 (2006.01) C09C 1/40 (2006.01)**
[25] EN
[54] **TREATED FILLERS, COMPOSITIONS CONTAINING SAME, AND ARTICLES PREPARED THEREFROM**
[54] **CHARGES TRAITÉES, COMPOSITIONS CONTENANT CELLES-CI, ET ARTICLES PRÉPARÉS À PARTIR DE CELLES-CI**
[72] MARTIN, JUSTIN J., US
[72] OKEL, TIMOTHY A., US
[72] KOLLAH, RAPHAEL O., US
[73] PPG INDUSTRIES OHIO, INC., US
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[87] (WO2013/043955)
[30] US (61/538,219) 2011-09-23
[30] US (13/623,147) 2012-09-20

[11] **2,849,915**
[13] C

[51] **Int.Cl. H04N 21/422 (2011.01)**
[25] EN
[54] **ASSISTING USE OF CONTROL DEVICES WITH DIFFERENT ELECTRONIC DEVICES**
[54] **AIDE A L'UTILISATION DE DISPOSITIFS DE COMMANDE AVEC DIFFERENTS DISPOSITIFS ELECTRONIQUES**
[72] REAMS, WILLIAM R., US
[73] ECHOSTAR TECHNOLOGIES L.L.C., US
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[11] **2,850,800**
[13] C

[51] **Int.Cl. B64C 1/26 (2006.01) B64C 1/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR JOINING COMPOSITE STRUCTURES OF AIRCRAFTS**
[54] **APPAREIL ET METHODES DE JOINTAGE DE STRUCTURES MIXTES D'AERONEFS**
[72] ZEON, YOUNG, US
[72] ACHTNER, GERFRIED RUDOLF, US
[72] STRACHILA, JOSEPH, US
[73] THE BOEING COMPANY, US
[86] (2850800)
[87] (2850800)
[22] 2014-05-01
[30] US (13/938,731) 2013-07-10

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[11] **2,853,014**
[13] C

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[25] EN
[54] **SOFTWARE AND METHODS FOR AUTOMATED PALLET INSPECTION AND REPAIR**
[54] **LOGICIEL ET PROCEDES POUR L'INSPECTION ET LA REPARATION AUTOMATISEES DE PALETTES**
[72] TOWNSEND, STEVE, AU
[72] LUCAS, MICHAEL DAVID, AU
[73] CHEP TECHNOLOGY PTY LIMITED, AU
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[25] EN
[54] **MODULAR CONSTRUCTION BLOCK**
[54] **BLOC DE CONSTRUCTION MODULAIRE**
[72] NEWSOME, CHARLES BENJAMIN, US
[72] WALL, JODY RYAN, US
[72] MEADE, WILLIAM CLYDE, US
[73] JOHNSON CONCRETE COMPANY, US
[86] (2854389)
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[30] US (13/924,722) 2013-06-24

[11] **2,854,572**
[13] C

[51] **Int.Cl. E21B 43/27 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **A METHOD FOR FRACTURING SUBTERRANEAN ROCK**
[54] **UNE METHODE DE FRACTURATION DE ROCHE SOUTERRAINE**
[72] VANDEPONSEELE, ANGELA LEE, CA
[72] MESTEMACHER, STEVEN ALAN, US
[73] WELLBORE ENERGY SALES LTD., CA
[86] (2854572)
[87] (2854572)
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[11] **2,859,371**
[13] C

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[25] EN
[54] **SYSTEM AND METHOD FOR DETECTION OF RF SIGNAL SPOOFING**
[54] **SYSTEME ET PROCEDE POUR LA DETECTION DE BROUILLAGE DE SIGNAL RF**
[72] DICKMAN, JEFF, US
[72] AHMADI, REZA, US
[72] COSGROVE, MATHEW A., US
[72] GUNAWARDENA, SANJEEV, US
[73] NORTHROP GRUMMAN GUIDANCE AND ELECTRONICS COMPANY, INC., US
[85] 2014-06-13
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[30] US (61/570,919) 2011-12-15

[11] **2,860,253**
[13] C

[51] **Int.Cl. G08B 5/40 (2006.01) F42B 23/00 (2006.01)**
[25] EN
[54] **A PASSIVE ALARM TO PREVENT BURIED INFRASTRUCTURE DAMAGE**
[54] **ALARME PASSIVE POUR EMPECHER UNE DETERIORATION A UNE INFRASTRUCTURE ENFOUIE**
[72] DUNN, RYAN C., US
[72] DAVIS, GUY D., US
[72] ROSS, ROBERT A., US
[72] BELL, PAUL A., US
[72] BRAKELEY, NATHANIEL M., US
[72] SCHECHTER, EMILY A., US
[72] BRYANT, AMBER M., US
[73] EAS IP, LLC, US
[85] 2014-06-20
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[11] **2,860,372**
[13] C

[51] **Int.Cl. A62C 37/50 (2006.01) F23C 1/00 (2006.01) F23Q 9/00 (2006.01)**
[25] EN
[54] **SYSTEM AND COMPONENTS FOR EVALUATING THE PERFORMANCE OF FIRE SAFETY PROTECTION DEVICES**
[54] **SYSTEME ET ELEMENTS D'EVALUATION DES PERFORMANCES DE DISPOSITIFS DE PROTECTION DE SECURITE-INCENDIE**
[72] YU, HONG-ZENG, US
[72] D'ANIELLO, STEPHEN P., US
[73] FACTORY MUTUAL INSURANCE COMPANY, US
[85] 2014-06-23
[86] 2012-12-03 (PCT/US2012/067611)
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[54] **SLIP RING ASSEMBLY**
[54] **TRANSMETTEUR A BAGUE COLLECTRICE**

[72] BEEKMANN, ALFRED, DE
[73] WOBLEN PROPERTIES GMBH, DE
[85] 2014-06-25
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[30] DE (10 2012 200 561.7) 2012-01-16

[11] **2,860,743**
[13] C

[51] **Int.Cl. G06Q 50/06 (2012.01)**

[25] EN
[54] **POWER DEMAND ADJUSTMENT SYSTEM AND POWER DEMAND ADJUSTMENT METHOD**
[54] **SYSTEME DE REGLAGE DE DEMANDE D'ENERGIE ET PROCEDE DE REGLAGE DE DEMANDE D'ENERGIE**

[72] WATANABE, TOHRU, JP
[72] YUASA, NAOHIRO, JP
[72] TSUYUZAKI, MASAO, JP
[72] KOBAYASHI, NOBUHISA, JP
[72] TADA, MASAO, JP
[72] OOTAKE, YUICHI, JP
[72] TSUCHIYA, CHIEMI, JP
[72] UTSUMI, MASATO, JP
[73] HITACHI, LTD., JP
[85] 2014-07-07
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[11] **2,860,818**
[13] C

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[25] EN
[54] **FUEL HEAD ASSEMBLY WITH REPLACEABLE WEAR COMPONENTS**
[54] **ENSEMBLE TETE DE COMBUSTIBLE A PIECES D'USURE REMPLACABLES**

[72] BLISS, THERON J., US
[73] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[85] 2014-07-07
[86] 2013-01-13 (PCT/IB2013/050303)
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[30] US (61/585,804) 2012-01-12
[30] US (13/554,124) 2012-07-20

[11] **2,862,839**
[13] C

[51] **Int.Cl. A01G 23/04 (2006.01) A01G 23/02 (2006.01) A01G 29/00 (2006.01) C05F 11/10 (2006.01)**

[25] EN
[54] **ROOT PROTECTING AND ACTIVATING MEMBER FOR GREEN TREE**
[54] **ELEMENT ACTIVATEUR POUR PROTEGER LES RACINES DES ARBRES VERTS**

[72] JANG, YONG GI, KR
[73] NOKSAEK, INC., KR
[85] 2014-07-08
[86] 2012-11-28 (PCT/KR2012/010186)
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[13] C

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[54] **GARDEN PLOT WATERING ENCLOSURE**
[54] **ENCEINTE D'ARROSAGE DE LOT A CULTIVER**

[72] KAMINSKI, MICHAEL A., CA
[73] KAMINSKI, MICHAEL A., CA
[86] (2863935)
[87] (2863935)
[22] 2014-09-17
[30] US (14481173) 2014-09-09

[11] **2,865,776**
[13] C

[51] **Int.Cl. A43B 5/06 (2006.01) A43B 7/14 (2006.01)**

[25] EN
[54] **FOOTWEAR INCLUDING A SUPPORT CAGE**
[54] **CHAUSSURE COMPORTANT UNE CAGE DE SUPPORT**

[72] MAHONEY, CHRISTOPHER J., US
[73] WOLVERINE OUTDOORS, INC., US
[86] (2865776)
[87] (2865776)
[22] 2014-09-30
[30] US (14/498,047) 2014-09-26
[30] US (29/503,523) 2014-09-26
[30] US (29/503,519) 2014-09-26

[11] **2,867,647**
[13] C

[51] **Int.Cl. D06M 17/10 (2006.01) B32B 5/04 (2006.01) B32B 7/14 (2006.01) B32B 27/12 (2006.01)**

[25] EN
[54] **LAMINATED ARTICLES HAVING DISCONTINUOUS ADHESIVE REGIONS**
[54] **ARTICLES STRATIFIES QUI COMPRENNENT DES REGIONS ADHESIVES DISCONTINUES**

[72] KELSEY, WILLIAM D., US
[72] MC ADAMS, BRIAN J., US
[73] W.L. GORE & ASSOCIATES, INC., US
[85] 2014-09-16
[86] 2013-03-28 (PCT/US2013/034428)
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[11] **2,868,938**
[13] C

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[25] EN
[54] **TREATMENT OF FISH POPULATIONS WITH LUFENURON**
[54] **TRAITEMENT DE POPULATIONS DE POISSONS AVEC DU LUFENURON**

[72] BLASER, DAVID, CH
[72] BOUVIER, JACQUES, CH
[72] FINK, MARTIN, CH
[72] MCHENERY, JOHN GERARD, GB
[72] NANCHEN, STEVE, CH
[73] NOVARTIS TIERGESUNDHEIT AG, CH
[85] 2014-09-29
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[25] EN
[54] **STEEL FOR WHEEL**
[54] **ACIER POUR UNE ROUE DE VEHICULE**
[72] YAMAMOTO, YUICHIRO, JP
[72] TAKESHITA, YUKITERU, JP
[72] KIRIYAMA, KENTARO, JP
[72] KATO, TAKANORI, JP
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
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[11] **2,870,392**
[13] C

[51] **Int.Cl. A61F 2/06 (2013.01)**
[25] EN
[54] **FLOW REDUCING IMPLANT**
[54] **IMPLANT REDUCTEUR DE FLUX**
[72] BEN MUVHAR, SHMUEL, IL
[72] SHALEV, IAN, IL
[72] TSEHORI, JONATHAN, IL
[72] DARVISH, NISSIM, IL
[73] NEOVASC MEDICAL LTD., IL
[86] (2870392)
[87] (2870392)
[22] 2002-10-03
[62] 2,769,574
[30] IL (145750) 2001-10-04
[30] IL (151162) 2002-08-08

[11] **2,879,235**
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[51] **Int.Cl. H04N 5/272 (2006.01) H04N 21/40 (2011.01) H04N 21/80 (2011.01) G06Q 30/02 (2012.01) G06K 9/62 (2006.01)**
[25] EN
[54] **SCHEME FOR DETERMINING THE LOCATIONS AND TIMING OF ADVERTISEMENTS AND OTHER INSERTIONS IN MEDIA**
[54] **SCENARIO SERVANT A DETERMINER LES EMBLEMES ET LE MOMENT DU DEROULEMENT DE PUBLICITES ET D'AUTRES INSERTIONS DANS LES MEDIAS**
[72] ZALEWSKI, GARY M., US
[73] SONY INTERACTIVE ENTERTAINMENT AMERICA LLC, US
[86] (2879235)
[87] (2879235)
[22] 2015-01-22
[30] US (14/175,996) 2014-02-07

[11] **2,880,247**
[13] C

[51] **Int.Cl. A61C 13/235 (2006.01) A61C 8/00 (2006.01)**
[25] EN
[54] **IMPLANT OVERDENTURE SYSTEM AND IMPLANT**
[54] **SYSTEME DE PROTHESE HYBRIDE PAR IMPLANT, ET IMPLANT**
[72] ARAI, KAZUO, JP
[72] HONKURA, YOSHINOBU, JP
[72] TAKEUCHI, YASUHIRO, JP
[72] WIGIANTO, RUDI, ID
[73] AICHI STEEL CORPORATION, JP
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[86] 2013-06-04 (PCT/JP2013/065430)
[87] (WO2014/020985)
[30] JP (2012-171443) 2012-08-01

[11] **2,881,613**
[13] C

[51] **Int.Cl. A01N 1/02 (2006.01) A61M 16/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR EX VIVO ORGAN CARE**
[54] **SYSTEMES ET METHODES DE TRAITEMENT EX VIVO D'ORGANES**
[72] KYI, STANLEY, US
[72] HAVENER, ROBERT, US
[72] HASSANEIN, WALEED, US
[72] KHAYAL, TAMER, US
[72] SALEH, HESHAM, US
[72] FATTAH, IHAB ABDEL, US
[72] TRACHTENBERG, JON, US
[73] TRANSMEDICS, INC., US
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[87] (2881613)
[22] 2007-04-19
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[30] US (60/793,472) 2006-04-19

[11] **2,884,667**
[13] C

[51] **Int.Cl. B23K 37/00 (2006.01) B23K 9/24 (2006.01) B23K 9/32 (2006.01)**
[25] EN
[54] **ELECTRODE CAP GRINDING AND CHANGING AIO (ALL-IN-ONE) MACHINE**
[54] **MACHINE INTEGREE DE MODIFICATION ET DE MEULAGE DE COUVRE-ELECTRODE**
[72] YAO, WEIBING, CN
[72] ZHANG, TING, CN
[72] ZHENG, LIANJUN, CN
[72] CAO, XINGDA, CN
[72] SUN, ZHICHENG, CN
[72] YANG, YONGFENG, CN
[72] CHENG, ZHIHAO, CN
[72] CHEN, ZHENCHENG, CN
[72] HE, YI, CN
[73] GUANGZHOU MINO AUTOMOTIVE EQUIPMENT CO., LTD., CN
[86] (2884667)
[87] (2884667)
[22] 2015-03-13
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[30] CN (2014101862316) 2014-05-05
[30] CN (2014206606862) 2014-11-05

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[25] EN
[54] **MANUFACTURING METHOD AND ROBOTIC ASSEMBLY SYSTEM**
[54] **PROCEDE DE FABRICATION ET SYSTEME D'ASSEMBLAGE ROBOTIQUE ASSOCIE**
[72] SARH, BRANKO, US
[72] OBEROI, HARINDER S., US
[72] WRIGHT, RODNEY S., US
[72] MILLER, JEFF, US
[73] THE BOEING COMPANY, US
[85] 2015-03-17
[86] 2013-10-08 (PCT/US2013/063800)
[87] (WO2014/058827)
[30] US (13/648,871) 2012-10-10

[11] **2,886,031**
[13] C

[51] **Int.Cl. B65D 33/00 (2006.01) B65D 33/25 (2006.01)**
[25] EN
[54] **STORAGE BAG WITH DIMPLE FEATURES**
[54] **SAC DE STOCKAGE PRESENTANT DES CARACTERISTIQUES D'ONDULATION**
[72] DAIS, BRIAN C., US
[72] MUSALIAR, IMTIAZ A., US
[72] LY, BUNLIM, US
[72] PORCHIA, JOSE, US
[72] STARK, TIMOTHY D., US
[72] HORN, JONATHAN DAVID, US
[72] WEISENBERGER, PAMELA J., US
[72] ALTHOFF, CHARLES P., US
[72] COHEN, ERICA EDEN, US
[73] S.C. JOHNSON & SON, INC., US
[85] 2015-03-23
[86] 2013-09-26 (PCT/US2013/061910)
[87] (WO2014/052582)
[30] US (13/631,549) 2012-09-28
[30] US (13/631,513) 2012-09-28

[11] **2,887,390**
[13] C

[51] **Int.Cl. G06Q 50/30 (2012.01)**
[25] EN
[54] **IN-LINE IMAGES IN MESSAGES**
[54] **IMAGES EN LIGNE DANS DES MESSAGES**
[72] BUENO, CARLOS M., US
[72] ALLEN, JOHN R., US
[73] FACEBOOK, INC., US
[85] 2015-03-26
[86] 2013-09-23 (PCT/US2013/061103)
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[30] US (13/648,156) 2012-10-09

[11] **2,888,155**
[13] C

[51] **Int.Cl. A47C 1/025 (2006.01)**
[25] EN
[54] **TENSION ADJUST DEVICE FOR A CHAIR AND CHAIR**
[54] **DISPOSITIF DE REGLAGE DE TENSION POUR UNE CHAISE ET CHAISE**
[72] COSTAGLIA, MASSIMO, IT
[73] L&P PROPERTY MANAGEMENT COMPANY, US
[85] 2015-04-13
[86] 2012-10-19 (PCT/EP2012/004402)
[87] (WO2014/060007)

[11] **2,888,820**
[13] C

[51] **Int.Cl. E04D 1/28 (2006.01) E04D 1/22 (2006.01)**
[25] EN
[54] **ROOFING SHINGLE SYSTEM AND SHINGLES FOR USE THEREIN**
[54] **SYSTEME DE BARDEAUX DE TOITURE ET BARDEAUX DESTINES AUDIT SYSTEME**
[72] BUZZA, STEPHEN A., US
[73] BUILDING MATERIALS INVESTMENT CORPORATION, US
[86] (2888820)
[87] (2888820)
[22] 2015-04-22
[30] US (14/266,294) 2014-04-30
[30] US (14/527,279) 2014-10-29

[11] **2,889,095**
[13] C

[51] **Int.Cl. G06F 17/00 (2006.01)**
[25] EN
[54] **AUTOMATIC CUSTOMIZATION OF A SOFTWARE APPLICATION**
[54] **PERSONNALISATION AUTOMATIQUE D'UNE APPLICATION LOGICIELLE**
[72] VERMA, ANSHU, IN
[72] CHITHAMBARAM, NEMMARA S., US
[72] RANGANATH, VISHWANATH, IN
[72] SHAPIRO, JOHN ROBERT, US
[73] INTUIT INC., US
[85] 2015-04-20
[86] 2013-08-29 (PCT/US2013/057340)
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[30] US (13/917,498) 2013-06-13

[11] **2,889,102**
[13] C

[51] **Int.Cl. B29C 53/56 (2006.01) B29C 53/80 (2006.01) B65H 49/00 (2006.01) B65H 69/06 (2006.01) B29C 70/38 (2006.01) F03D 1/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD TO MANUFACTURE SEMI-FINISHED PRODUCTS FOR WIND POWER INSTALLATION ROTOR BLADES AS WELL AS ROTOR BLADE AND WIND POWER INSTALLATIONS**
[54] **APPAREIL ET PROCEDE DE FABRICATION DE PRODUITS SEMI-FINIS POUR PALES DE ROTOR D'UNE INSTALLATION A ENERGIE EOLIENNE, AINSI QUE PALE DE ROTOR ET INSTALLATIONS A ENERGIE EOLIENNE**
[72] HOFFMANN, ALEXANDER, DE
[72] FRIEDE, PETER, DE
[72] GEBERS, JENS, DE
[72] KNOOP, FRANK, DE
[73] WOBEN PROPERTIES GMBH, DE
[85] 2015-04-21
[86] 2013-09-25 (PCT/EP2013/069938)
[87] (WO2014/072120)
[30] DE (10 2012 021 802.8) 2012-11-08
[30] DE (10 2013 204 635.9) 2013-03-15

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[13] C

[51] **Int.Cl. G06F 3/048 (2013.01) G06F 3/14 (2006.01)**
[25] EN
[54] **SCROLLING THROUGH A SERIES OF CONTENT ITEMS**
[54] **DEFILEMENT D'UNE SERIE D'ELEMENTS DE CONTENU**
[72] MATAS, MICHAEL, US
[73] FACEBOOK, INC., US
[85] 2015-04-29
[86] 2013-10-31 (PCT/US2013/067650)
[87] (WO2014/078084)
[30] US (13/677,104) 2012-11-14

[11] **2,890,150**
[13] C

[51] **Int.Cl. E21B 47/09 (2012.01) E21B 47/092 (2012.01) E21B 43/10 (2006.01)**
[25] EN
[54] **PASSIVE MAGNETIC RANGING FOR SAGD AND RELIEF WELLS VIA A LINEARIZED TRAILING WINDOW KALMAN FILTER**
[54] **TELEMETRIE MAGNETIQUE PASSIVE POUR SAGD ET Puits D'INTERVENTION PAR FILTRE DE KALMAN A FENETRE DE SUIVI LINEARISEE**
[72] HANAK, FRANCIS CHAD, US
[72] ESTES, ROBERT A., US
[73] BAKER HUGHES INCORPORATED, US
[85] 2015-04-30
[86] 2013-10-23 (PCT/US2013/066278)
[87] (WO2014/070536)
[30] US (13/666,646) 2012-11-01

[11] **2,890,825**
[13] C

[51] **Int.Cl. E06B 9/13 (2006.01) E06B 9/58 (2006.01) E06B 9/62 (2006.01)**
[25] EN
[54] **ROLLING GATE HAVING A DOOR LEAF IN THE FORM OF A FLEXIBLE CURTAIN**
[54] **PORTE ROULANTE PRESENTANT UN VANTAIL EN FORME DE RIDEAU SOUPLE**
[72] BOGATAJ, MARKO, SI
[72] DOLINSEK, MARKO, SI
[72] MAZEJ, ANDREJ, SI
[73] EFAFLEX INZENIRING D.O.O. LJUBLJANA, SI
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[86] 2013-08-22 (PCT/EP2013/067473)
[87] (WO2014/082764)
[30] DE (10 2012 111 611.3) 2012-11-29

[11] **2,893,046**
[13] C

[51] **Int.Cl. G01M 1/22 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROTECTING ROTARY MACHINES**
[54] **SYSTEME ET PROCEDE DE PROTECTION DE MACHINES ROTATIVES**
[72] CARDINAL, MARK EDWARD, US
[72] GANDHI, JIGNESH GOVINDLAL, US
[72] DEWEY, ROBERT J., US
[72] CLOSE, RYAN SPENCER, US
[72] DINJUS, THOMAS ERNST, US
[72] MOVISCHOFF, BERNARDO ADRIAN, US
[72] KORIM, DAVID CHARLES, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2893046)
[87] (2893046)
[22] 2015-05-28
[30] US (14/298,361) 2014-06-06

[11] **2,893,084**
[13] C

[51] **Int.Cl. E21B 23/01 (2006.01) E21B 19/24 (2006.01)**
[25] EN
[54] **ANCHORING SYSTEM AND METHOD OF ANCHORING AND UNANCHORING THE SAME**
[54] **SYSTEME D'ANCRAGE ET PROCEDE PERMETTANT D'ANCER ET DE DETACHER CELUI-CI**
[72] TONTI, NICHOLAS K., US
[72] JAMES, STEPHEN, US
[73] BAKER HUGHES INCORPORATED, US
[85] 2015-05-29
[86] 2013-11-01 (PCT/US2013/068065)
[87] (WO2014/088737)
[30] US (13/708,240) 2012-12-07

[11] **2,893,085**
[13] C

[51] **Int.Cl. G01V 8/10 (2006.01) G01N 21/84 (2006.01)**
[25] EN
[54] **POLARIZATION SCRAMBLING IN INTERFEROMETER SYSTEMS**
[54] **BROUILLAGE DE POLARISATION DANS DES SYSTEMES INTERFEROMETRIQUES**
[72] CHILDERS, BROOKS A., US
[72] DUNCAN, ROGER GLEN, US
[72] BALAGOPAL, AJIT, US
[72] PROVENZANO, DAN R., US
[73] BAKER HUGHES INCORPORATED, US
[85] 2015-05-29
[86] 2013-11-01 (PCT/US2013/068068)
[87] (WO2014/088738)
[30] US (13/707,979) 2012-12-07

[11] **2,893,188**
[13] C

[51] **Int.Cl. D06F 37/00 (2006.01) D06F 37/04 (2006.01)**
[25] EN
[54] **LAUNDRY TREATMENT APPARATUS WITH CONNECTOR UNIT TO PREVENT OR ALLOW CONTROL OF DRIVING UNIT**
[54] **APPAREIL DE TRAITEMENT DE LESSIVE DOTE D'UN MODULE DE CONNECTEUR SERVANT A EMPECHER OU A PERMETTRE LE CONTROLE DU MODULE D'ENTRAINEMENT**
[72] SANG, MINKYU, KR
[72] HEO, KWANGCHUL, KR
[73] LG ELECTRONICS INC., KR
[86] (2893188)
[87] (2893188)
[22] 2015-05-29
[30] KR (10-2014-0065884) 2014-05-30

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[11] **2,893,299**
[13] C

[51] **Int.Cl. B23K 37/04 (2006.01) B23K 3/00 (2006.01)**
[25] EN
[54] **FIXTURE FOR HIGH TEMPERATURE JOINING**
[54] **ACCESSOIRE DE JOINTAGE HAUTE TEMPERATURE**
[72] RHODES, JEFFREY F., US
[72] NASH, CHRISTOPHER OWEN, US
[72] GARNER, RUSTY M., US
[73] ROLLS-ROYCE CORPORATION, US
[86] (2893299)
[87] (2893299)
[22] 2015-06-01
[30] US (62/006,763) 2014-06-02

[11] **2,893,366**
[13] C

[51] **Int.Cl. B21D 51/26 (2006.01) B21D 41/04 (2006.01)**
[25] EN
[54] **KNOCKOUT FOR USE WHILE NECKING A METAL CONTAINER, DIE SYSTEM FOR NECKING A METAL CONTAINER AND METHOD OF NECKING A METAL CONTAINER**
[54] **DECOUCHEUSE A UTILISER PENDANT LA RETREINTE D'UN CONTENANT METALLIQUE, SYSTEME DE MATRICE POUR RETREINDRE UN CONTENANT METALLIQUE ET PROCEDE DE RETREINTE D'UN CONTENANT METALLIQUE**
[72] BOYSEL, DARL G., US
[72] DICK, ROBERT E., US
[72] MYERS, GARY L., US
[72] MCNEISH, DAVID J., US
[73] ALCOA USA CORP., US
[85] 2015-06-01
[86] 2013-12-10 (PCT/US2013/074126)
[87] (WO2014/099496)
[30] US (13/722,290) 2012-12-20

[11] **2,893,527**
[13] C

[51] **Int.Cl. A61B 5/0215 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **INTRA VASCULAR OPTICAL COHERENCE TOMOGRAPHY SYSTEM WITH PRESSURE MONITORING INTERFACE AND ACCESSORIES**
[54] **SYSTEME DE TOMOGRAPHIE A COHERENCE OPTIQUE INTRAVASCULAIRE AVEC ACCESSOIRES ET INTERFACE DE SURVEILLANCE DE PRESSION**
[72] SCHMITT, JOSEPH M., US
[72] PETROFF, CHRISTOPHER, US
[73] LIGHTLAB IMAGING, INC., US
[86] (2893527)
[87] (2893527)
[22] 2010-12-29
[62] 2,765,412
[30] WO (PCT/US2010/062330) 2010-12-29
[30] US (12/689,724) 2010-01-19

[11] **2,895,636**
[13] C

[51] **Int.Cl. C22B 3/00 (2006.01) B01J 3/04 (2006.01) C02F 1/06 (2006.01) C22B 3/04 (2006.01)**
[25] EN
[54] **TOP-ENTRY FLASH VESSEL ARRANGEMENT**
[54] **AGENCEMENT DE BALLON DE FLASHING A ALIMENTATION PAR LE HAUT**
[72] O'CALLAGHAN, JOHN, FI
[73] OUTOTEC (FINLAND) OY, FI
[85] 2015-06-18
[86] 2013-12-30 (PCT/FI2013/051210)
[87] (WO2014/106683)
[30] FI (20126388) 2012-12-28

[11] **2,896,868**
[13] C

[51] **Int.Cl. H05B 37/00 (2006.01) G01R 31/27 (2006.01) G08B 21/18 (2006.01) H05B 37/02 (2006.01)**
[25] EN
[54] **A METHOD AND APPARATUS FOR MONITORING LED BEACON LIGHTS**
[54] **PROCEDE ET APPAREIL DE SURVEILLANCE DE PHARES AERONAUTIQUES A DEL**
[72] PECK, JOHN PATRICK, US
[72] HEBBORN, KEVIN A., US
[73] DIALIGHT CORPORATION, US
[85] 2015-06-29
[86] 2013-12-30 (PCT/US2013/078283)
[87] (WO2014/106174)
[30] US (13/732,069) 2012-12-31

[11] **2,897,373**
[13] C

[51] **Int.Cl. H04N 19/13 (2014.01) H04N 21/236 (2011.01) H04N 19/119 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/70 (2014.01) H04N 19/91 (2014.01)**
[25] EN
[54] **VIDEO DECODING METHOD, VIDEO DECODING DEVICE, AND VIDEO DECODING PROGRAM**
[54] **METHODE DE DECODAGE VIDEO, DISPOSITIF DE DECODAGE VIDEO ET PROGRAMME DE DECODAGE VIDEO**
[72] CHONO, KEIICHI, JP
[72] SENDA, YUZO, JP
[72] TAJIME, JUNJI, JP
[72] AOKI, HIROFUMI, JP
[72] SENZAKI, KENTA, JP
[73] NEC CORPORATION, JP
[86] (2897373)
[87] (2897373)
[22] 2011-11-22
[62] 2,819,014
[30] JP (2010-264320) 2010-11-26
[30] JP (2011-026331) 2011-02-09

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[11] **2,897,397**
[13] C

[51] **Int.Cl. E21B 43/10 (2006.01) C08L 75/04 (2006.01) C08L 101/12 (2006.01) C09K 8/00 (2006.01) E21B 33/12 (2006.01) E21B 43/08 (2006.01)**

[25] EN

[54] **PREVENTION, ACTUATION AND CONTROL OF DEPLOYMENT OF MEMORY-SHAPE POLYMER FOAM-BASED EXPANDABLES**

[54] **PREVENTION, ACTIONNEMENT ET COMMANDE DU DEPLOIEMENT DE MATERIAUX EXPANSIBLES A BASE DE MOUSSE POLYMERE A MEMOIRE DE FORME**

[72] JOHNSON, MICHAEL, US

[72] MAZYAR, OLEG A., US

[72] RICHARD, BENNETT M., US

[73] BAKER HUGHES INCORPORATED, US

[85] 2015-07-06

[86] 2014-01-07 (PCT/US2014/010513)

[87] (WO2014/110040)

[30] US (13/740,936) 2013-01-14

[11] **2,897,693**
[13] C

[51] **Int.Cl. B29C 45/80 (2006.01)**

[25] EN

[54] **MOLD POSITIONING DEVICE**

[54] **DISPOSITIF DE POSITIONNEMENT DE MOULE**

[72] HONTHEIM, DANIEL, DE

[72] BRAND, DIETMAR TIEMO, CA

[72] FISCH, RALF WALTER, DE

[72] KMOCH, SVEN, DE

[72] LOOIJE, ADRIAN PETER, CA

[72] LOOIJE, PETER ADRIAN, CA

[72] LUIJS, RUUD, NL

[72] MANDA, JAN MARIUS, CA

[72] PAPA, RENATO, CA

[72] SCHLUMS, DIRK, CA

[72] TENG, ALEX, CA

[72] WITZ, JEAN-CHRISTOPHE, FR

[72] GOW, GEOFFREY ANDREW, CA

[72] SODARO, BRUNO GIUSEPPE, CA

[72] BRADSHAW, MAXFIELD PAUL, CA

[72] KROMBERG, ANDRE AXEL, CA

[73] HUSKY INJECTION MOLDING SYSTEMS LTD., CA

[85] 2015-07-09

[86] 2013-12-06 (PCT/CA2013/050938)

[87] (WO2014/121372)

[30] US (61/761,354) 2013-02-06

[30] US (61/840,095) 2013-06-27

[30] US (61/875,764) 2013-09-10

[11] **2,898,150**
[13] C

[51] **Int.Cl. H04N 19/174 (2014.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR VIDEO ENCODING FOR EACH SPATIAL SUB-AREA, AND METHOD AND APPARATUS FOR VIDEO DECODING FOR EACH SPATIAL SUB-AREA**

[54] **PROCEDE ET APPAREIL DE CODAGE VIDEO DE CHAQUE SOUS-ZONE SPATIALE ET PROCEDE ET APPAREIL DE DECODAGE DE CHAQUE SOUS-ZONE SPATIALE**

[72] LEE, TAMMY, KR

[72] CHOI, BYEONG-DOO, KR

[73] SAMSUNG ELECTRONICS CO., LTD., KR

[86] (2898150)

[87] (2898150)

[22] 2013-01-30

[62] 2,868,723

[30] US (61/592,572) 2012-01-30

[11] **2,898,478**
[13] C

[51] **Int.Cl. H04L 12/24 (2006.01) H04L 12/16 (2006.01) H04L 12/26 (2006.01) H04L 12/66 (2006.01)**

[25] EN

[54] **INSTANCE HOST CONFIGURATION**

[54] **CONFIGURATION D'HOTE D'INSTANCE**

[72] KOWALSKI, MARCIN PIOTR, US

[72] PATERSON-JONES, ROLAND, US

[72] GREENFIELD, JAMES ALFRED GORDON, US

[73] AMAZON TECHNOLOGIES, INC., US

[85] 2015-07-16

[86] 2014-01-22 (PCT/US2014/012422)

[87] (WO2014/116619)

[30] US (13/747,176) 2013-01-22

[30] US (13/747,190) 2013-01-22

[11] **2,898,500**
[13] C

[51] **Int.Cl. C07D 513/04 (2006.01) A61K 31/547 (2006.01) A61P 25/28 (2006.01)**

[25] EN

[54] **TETRAHYDROPYRROLOTHIAZINE COMPOUNDS**

[54] **COMPOSES TETRAHYDROPYRROLOTHIAZINES**

[72] GREEN, STEVEN JAMES, US

[72] MERGOTT, DUSTIN JAMES, US

[72] WATSON, BRIAN MORGAN, US

[72] WINNEROSKI, LEONARD LARRY, JR., US

[73] ELI LILLY AND COMPANY, US

[85] 2015-07-16

[86] 2014-03-04 (PCT/US2014/020070)

[87] (WO2014/143579)

[30] US (61/776,819) 2013-03-12

[11] **2,900,294**
[13] C

[51] **Int.Cl. B60N 2/50 (2006.01) B60G 99/00 (2010.01) F16F 15/02 (2006.01)**

[25] EN

[54] **ROTARY ACTUATOR DRIVEN VIBRATION ISOLATION**

[54] **DISPOSITIF D'ISOLATION DE VIBRATIONS ENTRAINE PAR UN ACTIONNEUR ROTATIF**

[72] SCHROEDER, THOMAS C., US

[72] PARKER, ROBERT PRESTON, US

[72] BUSHKO, DARIUSZ ANTONI, US

[72] SELDEN, BRIAN A., US

[72] HAYNER, MARK A., US

[72] LUCAS, BRIAN M., US

[73] BOSE CORPORATION, US

[85] 2015-08-04

[86] 2014-03-14 (PCT/US2014/026992)

[87] (WO2014/152138)

[30] US (13/843,162) 2013-03-15

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[11] **2,900,980**
[13] C

[51] **Int.Cl. F16F 15/02 (2006.01)**
[25] EN
[54] **ROTARY ACTUATOR DRIVEN
VIBRATION ISOLATION**
[54] **SYSTEME D'ISOLATION CONTRE
LES VIBRATIONS ENTRAINE
PAR UN ACTIONNEUR ROTATIF**
[72] PARKER, ROBERT PRESTON, US
[72] SCHROEDER, THOMAS C., US
[72] BUSHKO, DARIUSZ ANTONI, US
[72] SELDEN, BRIAN A., US
[72] HAYNER, MARK A., US
[72] LUCAS, BRIAN M., US
[73] BOSE CORPORATION, US
[85] 2015-08-11
[86] 2014-03-14 (PCT/US2014/027209)
[87] (WO2014/143651)
[30] US (13/843,266) 2013-03-15

[11] **2,902,693**
[13] C

[51] **Int.Cl. E04D 1/12 (2006.01)**
[25] EN
[54] **ROOFING SHINGLE SYSTEM AND
SHINGLES FOR USE THEREIN**
[54] **SYSTEME DE BARDEAUX DE
TOITURE ET BARDEAUX DUDIT
SYSTEME**
[72] LEITCH, OLAN, US
[73] BUILDING MATERIALS
INVESTMENT CORPORATION, US
[86] (2902693)
[87] (2902693)
[22] 2015-09-02
[30] US (14/656,902) 2015-03-13

[11] **2,903,902**
[13] C

[51] **Int.Cl. E06B 1/60 (2006.01)**
[25] EN
[54] **ADJUSTABLE SUPPORT DEVICE
FOR A FRAME MEMBER AND
INSTALLATION METHOD**
[54] **DISPOSITIF DE SUPPORT
REGLABLE POUR UN ELEMENT
DE CHASSIS ET PROCEDE
D'INSTALLATION**
[72] NESBO, PAUL ARNE, NO
[72] BROCHMANN, OYVIND, NO
[73] NESBO, PAUL ARNE, NO
[73] BROCHMANN, OYVIND, NO
[85] 2015-09-03
[86] 2012-03-08 (PCT/EP2012/054026)
[87] (WO2013/131572)

[11] **2,904,828**
[13] C

[51] **Int.Cl. A23G 1/48 (2006.01) A21D
8/00 (2006.01) A23F 5/00 (2006.01)**
[25] EN
[54] **FOOD PRODUCTS AND
CHOCOLATE COMPOSITIONS
CONTAINING COFFEE CHERRY
BYPRODUCTS AND METHODS
OF FORMING THE SAME**
[54] **PRODUITS ALIMENTAIRES ET
COMPOSITIONS DE CHOCOLAT
CONTENANT DES SOUS-
PRODUITS DE FRUITS DU
CAFEIER ET LEURS PROCEDES
DE PREPARATION**
[72] BELLIVEAU, DANIEL ALDERIC, US
[73] EMPIRE TECHNOLOGY
DEVELOPMENT LLC, US
[85] 2015-09-09
[86] 2013-12-20 (PCT/US2013/077295)
[87] (WO2014/158271)
[30] US (61/785,195) 2013-03-14

[11] **2,905,901**
[13] C

[51] **Int.Cl. A61J 1/20 (2006.01) A61M
5/34 (2006.01) A61M 39/14 (2006.01)
A61M 39/10 (2006.01)**
[25] EN
[54] **CONNECTION SYSTEM FOR
MEDICAL DEVICE
COMPONENTS**
[54] **SYSTEME DE RACCORDEMENT
DESTINE A DES ELEMENTS DE
DISPOSITIF MEDICAL**
[72] MARICI, PAUL PAIA, US
[72] IVOSEVIC, MILAN, US
[73] BECTON DICKINSON AND
COMPANY LIMITED, IE
[85] 2015-09-11
[86] 2014-03-12 (PCT/US2014/023911)
[87] (WO2014/150665)
[30] US (61/787,674) 2013-03-15
[30] US (61/895,168) 2013-10-24
[30] US (61/895,182) 2013-10-24
[30] US (61/895,187) 2013-10-24

[11] **2,906,412**
[13] C

[51] **Int.Cl. G02B 6/44 (2006.01) G02B
6/255 (2006.01)**
[25] EN
[54] **FIBER OPTIC SPLICE
PROTECTING SYSTEM AND
METHOD FOR PROTECTING A
FIBER OPTIC SPLICE**
[54] **DISPOSITIF DE PROTECTION
D'EPISSURE DE FIBRE OPTIQUE
ET METHODE DE PROTECTION
D'UNE EPISSURE DE FIBRE
OPTIQUE**
[72] JONES, EMORY E., III, US
[72] STOESZ, CARL W., US
[73] BAKER HUGHES INCORPORATED,
US
[86] (2906412)
[87] (2906412)
[22] 2015-09-29
[30] US (14/526920) 2014-10-29

[11] **2,907,281**
[13] C

[51] **Int.Cl. H01M 8/0202 (2016.01) H01M
2/30 (2006.01) H01M 8/24 (2016.01)**
[25] EN
[54] **CURRENT COLLECTOR FOR
FUEL CELL, FUEL CELL STACK,
FUEL CELL SYSTEM, AND
METHOD OF MANUFACTURING
FUEL CELL SYSTEM**
[54] **COLLECTEUR DE COURANT
POUR PILE A COMBUSTIBLE,
EMPILEMENT DE PILES A
COMBUSTIBLE, DISPOSITIF DE
PILE A COMBUSTIBLE ET
PROCEDE DE FABRICATION
D'UN DISPOSITIF A PILE A
COMBUSTIBLE**
[72] SHIZUKU, FUMISHIGE, JP
[72] TANAKA, HIDEAKI, JP
[73] TOYOTA JIDOSHA KABUSHIKI
KAISHA, JP
[86] (2907281)
[87] (2907281)
[22] 2015-10-05
[30] JP (2014-210560) 2014-10-15

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[11] **2,907,284**
[13] C

[51] **Int.Cl. H01M 8/0247 (2016.01) H01M 8/2465 (2016.01)**
[25] EN
[54] **CURRENT COLLECTOR FOR FUEL CELL, AND FUEL CELL STACK**
[54] **COLLECTEUR DE COURANT POUR PILE A COMBUSTIBLE ET EMPILEMENT DE PILES A COMBUSTIBLE**
[72] SHIZUKU, FUMISHIGE, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2907284)
[87] (2907284)
[22] 2015-10-05
[30] JP (2014-210556) 2014-10-15

[11] **2,908,283**
[13] C

[51] **Int.Cl. H01M 8/04302 (2016.01) H01M 8/0432 (2016.01) H01M 8/0438 (2016.01)**
[25] EN
[54] **A FUEL CELL SYSTEM AND A METHOD FOR CONTROLLING A FUEL CELL SYSTEM**
[54] **UN DISPOSITIF DE PILE A COMBUSTIBLE ET UNE METHODE DE COMMANDE D'UN DISPOSITIF DE PILE A COMBUSTIBLE**
[72] KONDO, MASAOKI, JP
[72] KOMIYA, KENJI, JP
[72] YAMASHITA, AKIRA, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2908283)
[87] (2908283)
[22] 2015-10-09
[30] JP (2014-226888) 2014-11-07

[11] **2,909,659**
[13] C

[51] **Int.Cl. H01M 8/04858 (2016.01) H01M 8/04992 (2016.01)**
[25] EN
[54] **FUEL CELL SYSTEM AND METHOD OF CONTROLLING FUEL CELL**
[54] **SYSTEME DE PILE A COMBUSTIBLE ET UNE METHODE DE CONTROLE DE PILE A COMBUSTIBLE**
[72] TANO, YUTAKA, JP
[72] NADA, MITSUHIRO, JP
[72] KANEKO, TOMOHIKO, JP
[72] OKAMOTO, YOHEI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2909659)
[87] (2909659)
[22] 2015-10-20
[30] JP (2014-229381) 2014-11-12

[11] **2,909,932**
[13] C

[51] **Int.Cl. H01M 8/1004 (2016.01)**
[25] EN
[54] **MEMBRANE ELECTRODE ASSEMBLY AND FUEL CELL**
[54] **ASSEMBLAGE D'ELECTRODE A MEMBRANE ET PILE A COMBUSTIBLE**
[72] HAMANO, MASATO, JP
[72] YOSHIKAWA, HIROO, JP
[72] NISHIDA, TSUNEMASA, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2909932)
[87] (2909932)
[22] 2015-10-22
[30] JP (2014-230631) 2014-11-13

[11] **2,909,980**
[13] C

[51] **Int.Cl. B60W 10/08 (2006.01) B60K 6/48 (2007.10) B60K 6/547 (2007.10) B60L 11/14 (2006.01) B60W 10/02 (2006.01) B60W 10/06 (2006.01) B60W 20/00 (2016.01) F02N 11/04 (2006.01)**
[25] EN
[54] **CONTROL DEVICE FOR HYBRID VEHICLE**
[54] **DISPOSITIF DE COMMANDE DE VEHICULE HYBRIDE**
[72] TAKEUCHI, MASAHIRO, JP
[72] IZUMIURA, ATSUSHI, JP
[72] MATSUSHITA, MASANORI, JP
[73] HONDA MOTOR CO., LTD., JP
[85] 2015-10-20
[86] 2014-04-11 (PCT/JP2014/060505)
[87] (WO2014/175080)
[30] JP (2013-089430) 2013-04-22

[11] **2,910,563**
[13] C

[51] **Int.Cl. D06M 17/04 (2006.01) A41D 31/02 (2006.01) B32B 5/04 (2006.01) B32B 5/26 (2006.01) B32B 7/04 (2006.01) B32B 7/14 (2006.01) B32B 27/12 (2006.01) B32B 37/00 (2006.01) B32B 37/14 (2006.01) D04H 11/08 (2006.01) D06M 17/06 (2006.01) D06M 17/08 (2006.01) D06M 17/10 (2006.01) D06M 23/16 (2006.01)**
[25] EN
[54] **MULTI-LAYERED ARTICLES HAVING DISCONTINUOUS ADHESIVE REGIONS**
[54] **ARTICLES MULTICOUCHES COMPORTANT DES ZONES ADHESIVES DISCONTINUES**
[72] KELSEY, WILLIAM D., US
[73] W.L. GORE & ASSOCIATES, INC., US
[85] 2015-10-23
[86] 2014-04-02 (PCT/US2014/032617)
[87] (WO2014/178981)
[30] US (13/873,888) 2013-04-30

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[11] **2,912,196**
[13] C

[51] **Int.Cl. E21B 47/00 (2012.01) E21B 47/01 (2012.01) G01V 11/00 (2006.01)**

[25] EN

[54] **MODULAR MONITORING ASSEMBLY**

[54] **ENSEMBLE DE SURVEILLANCE MODULAIRE**

[72] MILLER, JAMES L., US

[72] MAILAND, JASON C., US

[73] BAKER HUGHES INCORPORATED, US

[85] 2015-11-10

[86] 2014-05-12 (PCT/US2014/037699)

[87] (WO2014/200641)

[30] US (13/918,007) 2013-06-14

[11] **2,913,161**
[13] C

[51] **Int.Cl. B29C 45/77 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR SUBSTANTIALLY CONSTANT PRESSURE INJECTION MOLDING OF THINWALL PARTS**

[54] **PROCEDE ET APPAREIL DE MOULAGE PAR INJECTION A PRESSION SENSIBLEMENT CONSTANTE DE PIECES A PAROI MINCE**

[72] ALTONEN, GENE MICHAEL, US

[72] DODD, MICHAEL THOMAS, US

[72] RAMON-MARTINEZ, NATALIA, US

[72] MCCONNELL, KIMBERLY NICHOLE, US

[72] LUMPKIN, DANNY DAVID, US

[72] BREIDENBACH, VINCENT SEAN, US

[72] LAWSON, JOHN RUSSELL, US

[73] IMFLUX, INC., US

[86] (2913161)

[87] (2913161)

[22] 2012-05-21

[62] 2,835,961

[30] US (61/488,564) 2011-05-20

[30] US (61/488,547) 2011-05-20

[30] US (61/488,553) 2011-05-20

[30] US (61/488,555) 2011-05-20

[30] US (61/488,559) 2011-05-20

[30] US (61/602,781) 2012-02-24

[30] US (61/602,650) 2012-02-24

[30] US (61/641,349) 2012-05-02

[11] **2,914,135**
[13] C

[51] **Int.Cl. C08F 220/06 (2006.01) C08F 290/06 (2006.01)**

[25] EN

[54] **SYNTHESIS OF FREE RADICAL POLYMERIZABLE ETHYLENICALLY UNSATURATED POLOXAMERS AND POLOXAMINES**

[54] **SYNTHESE DE POLOXAMERES ET DE POLOXAMINES A INSATURATION ETHYLENIQUE POLYMERISABLES PAR VOIE RADICALE**

[72] AWASTHI, ALOK KUMAR, US

[72] KUNZLER, JAY F., US

[72] SATYANARAYANA, GANUGAPATI, IN

[72] RAI NOOJI, SATHEESHA, IN

[73] BAUSCH & LOMB INCORPORATED, US

[85] 2015-11-30

[86] 2014-06-18 (PCT/US2014/042951)

[87] (WO2014/205084)

[30] US (61/836,471) 2013-06-18

[11] **2,914,452**
[13] C

[51] **Int.Cl. C05B 19/00 (2006.01) A01C 21/00 (2006.01) C05B 1/00 (2006.01) C05B 7/00 (2006.01) C05B 9/00 (2006.01) C05G 5/00 (2006.01)**

[25] EN

[54] **SLOW AND FAST RELEASE FERTILIZER COMPOSITION AND METHODS FOR MAKING SAME**

[54] **COMPOSITION D'ENGRAIS A LIBERATION LENTE ET RAPIDE ET SES PROCEDES DE FABRICATION**

[72] CLARK, DONALD R., US

[72] FROEHLICH, DAN MICHAEL, US

[72] BRITTON, AHREN THOMAS, US

[73] OSTARA NUTRIENT RECOVERY TECHNOLOGIES INC., CA

[85] 2015-12-03

[86] 2014-06-13 (PCT/CA2014/050558)

[87] (WO2014/198000)

[30] US (61/835,476) 2013-06-14

[11] **2,914,784**
[13] C

[51] **Int.Cl. C21B 13/02 (2006.01) C01B 3/34 (2006.01) H01M 8/0612 (2016.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR REDUCING IRON OXIDE TO METALLIC IRON USING COKE OVEN GAS AND OXYGEN STEELMAKING FURNACE GAS**

[54] **SYSTEME ET METHODE DE REDUCTION D'OXYDE DE FER EN FER METALLIQUE EMPLOYANT UN GAZ DE COKERIE ET UN GAZ FONDERIE A L'OXYGENE**

[72] METIUS, GARY E., US

[72] MCCLELLAND, JAMES M., JR., US

[72] MEISSNER, DAVID C., US

[72] MONTAGUE, STEPHEN C., US

[73] MIDREX TECHNOLOGIES, INC., US

[85] 2015-12-08

[86] 2013-08-05 (PCT/US2013/053540)

[87] (WO2015/016950)

[30] US (13/955,654) 2013-07-31

[11] **2,915,520**
[13] C

[51] **Int.Cl. G02B 26/10 (2006.01) A61B 5/00 (2006.01) G01B 9/00 (2006.01)**

[25] EN

[54] **SCANNING OPTICAL SYSTEM WITH MULTIPLE OPTICAL SOURCES**

[54] **SYSTEME OPTIQUE DE BALAYAGE AVEC SOURCES OPTIQUES MULTIPLES**

[72] JEGLORZ, TOBIAS, DE

[72] DONITZKY, CHRISTOF, DE

[73] WAVELIGHT GMBH, DE

[85] 2015-12-15

[86] 2013-09-02 (PCT/EP2013/068068)

[87] (WO2015/028099)

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[11] **2,918,107**
[13] C

[51] **Int.Cl. B62M 23/00 (2006.01)**
[25] EN
[54] **CENTER-MOUNTED CONTROL SYSTEM OF BICYCLE**
[54] **SYSTEME DE COMMANDE MONTE AU CENTRE D'UNE BICYCLETTE**
[72] HUANG, FUMING, CN
[72] LI, YUNFEI, CN
[72] HUANG, JUNNING, CN
[72] CAI, HUALIN, CN
[72] ZHANG, QIANG, CN
[73] SUZHOU TERGAR IOT TECHNOLOGY CO., LTD, CN
[85] 2016-01-12
[86] 2014-08-08 (PCT/CN2014/083951)
[87] (WO2015/096485)
[30] CN (201310729428.5) 2013-12-26
[30] CN (201320865134.0) 2013-12-26

[11] **2,919,460**
[13] C

[51] **Int.Cl. B60R 13/08 (2006.01) C08F 2/38 (2006.01) C08F 285/00 (2006.01) C08L 51/00 (2006.01) C09D 151/00 (2006.01) G10K 11/165 (2006.01)**
[25] EN
[54] **AQUEOUS VIBRATION DAMPING COMPOSITIONS**
[54] **COMPOSITIONS AQUEUSES D'AMORTISSEMENT DE VIBRATIONS**
[72] WANG, WEI, US
[72] CHAO, TIEN-CHIEH, US
[72] DESAI, UMESH C., US
[72] FENN, DAVID R., US
[73] PPG INDUSTRIES OHIO, INC., US
[85] 2016-01-26
[86] 2014-07-25 (PCT/US2014/048147)
[87] (WO2015/013588)
[30] US (13/951,811) 2013-07-26

[11] **2,921,580**
[13] C

[51] **Int.Cl. C07D 207/22 (2006.01) A61K 31/4025 (2006.01) A61P 5/10 (2006.01)**
[25] EN
[54] **PYRROLIDINE DERIVATIVES AS OXYTOCIN / VASOPRESSIN V1A RECEPTORS ANTAGONISTS**
[54] **DERIVES DE PYRROLIDINE UTILISES COMME ANTAGONISTES DU RECEPTEUR DE L'OCYTOCINE ET DU RECEPTEUR VIA DE LA VASOPRESSINE**
[72] CHOLLET, ANDRE, CH
[73] OBSEVA S.A., CH
[85] 2016-02-17
[86] 2014-07-25 (PCT/EP2014/066075)
[87] (WO2015/036160)
[30] EP (13183723.9) 2013-09-10

[11] **2,918,927**
[13] C

[51] **Int.Cl. F04B 7/00 (2006.01) F04B 7/06 (2006.01) F04B 9/04 (2006.01) F04B 13/02 (2006.01) F04B 53/14 (2006.01) F16K 11/076 (2006.01) F16K 11/085 (2006.01)**
[25] FR
[54] **ROTARY-WAVE SUB-ASSEMBLY FOR PUMPING A FLUID AND ROTARY-WAVE PUMPING DEVICE**
[54] **SOUS-ENSEMBLE OSCILLO-ROTATIF POUR POMPAGE D'UN FLUIDE ET DISPOSITIF DE POMPAGE OSCILLO-ROTATIF**
[72] DEHAN, CHRISTOPHE, FR
[72] WATELLIER, ARNAUD, FR
[73] EVEON, FR
[85] 2016-01-21
[86] 2014-06-11 (PCT/FR2014/051413)
[87] (WO2015/011352)
[30] FR (1357189) 2013-07-22

[11] **2,919,819**
[13] C

[51] **Int.Cl. F17C 7/00 (2006.01) F17C 13/02 (2006.01)**
[25] EN
[54] **METHOD OF OPERATING A HYDROGEN DISPENSING UNIT**
[54] **METHODE D'UTILISATION D'UN MODULE DE DISTRIBUTION D'HYDROGENE**
[72] YOULIO, ANDREW MARC, US
[72] COHEN, JOSEPH PERRY, US
[73] AIR PRODUCTS AND CHEMICALS, INC., US
[86] (2919819)
[87] (2919819)
[22] 2016-02-02
[30] US (62/221,425) 2015-09-21
[30] US (62,245,007) 2015-10-22

[11] **2,922,610**
[13] C

[51] **Int.Cl. F04B 43/04 (2006.01) F04B 17/04 (2006.01) F04B 45/047 (2006.01) F04B 49/02 (2006.01) F04B 49/06 (2006.01)**
[25] EN
[54] **PUMPS, ACTUATORS AND RELATED DEVICES AND METHODS FOR MAKING**
[54] **POMPES, ACTIONNEURS ET DISPOSITIFS APPARENTES ET PROCEDES DE FABRICATION**
[72] CORDOBA, JOSE LUIS, ES
[72] GOLDENBERG, ALEX, US
[72] TIMBERLAKE, BRENT, US
[72] MANOUX, PHILIPPE, US
[73] NUELLE, INC., US
[85] 2016-02-26
[86] 2014-08-24 (PCT/US2014/052430)
[87] (WO2015/031216)
[30] US (61/871,832) 2013-08-29
[30] US (61/993,041) 2014-05-14

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[11] **2,923,065**
[13] C

[51] **Int.Cl. D21H 27/10 (2006.01) B65D 65/38 (2006.01) D21H 15/10 (2006.01) D21H 17/00 (2006.01) D21H 17/28 (2006.01) D21H 27/30 (2006.01)**

[25] EN

[54] **PAPERBOARDS HAVING IMPROVED BENDING STIFFNESS AND METHOD FOR MAKING SAME**

[54] **CARTONS AYANT UNE RESISTANCE A LA COURBURE AMELIOREE ET PROCEDE DE FABRICATION DE CEUX-CI**

[72] REED, DAVID V., US

[72] DYER, DAVID A., US

[73] INTERNATIONAL PAPER COMPANY, US

[85] 2016-03-02

[86] 2014-09-08 (PCT/US2014/054461)

[87] (WO2015/035274)

[30] US (14/020,288) 2013-09-06

[11] **2,923,462**
[13] C

[51] **Int.Cl. C22C 9/04 (2006.01) C22F 1/00 (2006.01) C22F 1/08 (2006.01)**

[25] EN

[54] **COPPER ALLOY**

[54] **ALLIAGE DE CUIVRE**

[72] OISHI, KEIICHIRO, JP

[72] NAKASATO, YOSUKE, JP

[72] HATA, KATSUHIKO, JP

[72] TANAKA, SHINJI, JP

[73] MITSUBISHI SHINDOH CO., LTD., JP

[85] 2016-03-04

[86] 2014-09-26 (PCT/JP2014/075735)

[87] (WO2015/046470)

[30] JP (2013-199475) 2013-09-26

[30] JP (2014-039679) 2014-02-28

[11] **2,934,358**
[13] C

[51] **Int.Cl. A61M 16/08 (2006.01) A61M 16/04 (2006.01)**

[25] EN

[54] **DEHUMIDIFYING CIRCUIT**

[54] **CIRCUIT DE DESHUMIDIFICATION**

[72] SMITH, DANIEL JOHN, NZ

[72] MILLAR, GAVIN WALSH, NZ

[72] POWELL, KEVIN BLAKE, NZ

[72] BALDWIN, DAVID PETER, GB

[73] FISHER & PAYKEL HEALTHCARE LIMITED, NZ

[86] (2934358)

[87] (2934358)

[22] 2001-05-08

[62] 2,833,707

[30] NZ (504439) 2000-05-10

[30] NZ (509041) 2000-12-20

[11] **2,934,821**
[13] C

[51] **Int.Cl. B63B 35/71 (2006.01)**

[25] EN

[54] **FISHING KAYAK**

[54] **KAYAK DE PECHE**

[72] BOYER, REJEAN, CA

[72] GAGNON, STEPHANIE, CA

[73] PELICAN INTERNATIONAL INC., CA

[86] (2934821)

[87] (2934821)

[22] 2016-06-29

[11] **2,935,224**
[13] C

[51] **Int.Cl. E02D 31/02 (2006.01) E02D 19/00 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR KEEPING HUMIDITY/WATER AWAY FROM CONCRETE FOUNDATIONS AND PROVIDE INSULATION**

[54] **DISPOSITIF ET METHODE DE MAINTIEN DE L'HUMIDITE/EAU HORS DES FONDATIONS EN BETON ET DE FOURNITURE D'ISOLATION**

[72] NICOLAS, MARCEL, CA

[73] NICOLAS, MARCEL, CA

[86] (2935224)

[87] (2935224)

[22] 2016-07-04

[30] US (14/791,366) 2015-07-03

[11] **2,935,235**
[13] C

[51] **Int.Cl. F16L 37/091 (2006.01)**

[25] EN

[54] **CROSS PLATFORM GRIP RING RELEASE DEVICE AND METHOD**

[54] **DISPOSITIF ET PROCEDE DE LIBERATION DE COLLIER DE SERRAGE MULTIPLATEFORME**

[72] CROMPTON, DAVID B., US

[72] DIAS, LIBARDO OCHOA, US

[73] QUICK FITTING, INC., US

[85] 2016-06-27

[86] 2014-12-29 (PCT/US2014/072544)

[87] (WO2015/103132)

[30] US (14/144,925) 2013-12-31

[30] US (14/467,375) 2014-08-25

[11] **2,942,397**
[13] C

[51] **Int.Cl. B65G 15/42 (2006.01)**

[25] EN

[54] **TUBE CONVEYOR CLEAT DESIGN**

[54] **CONCEPTION DE CALE DE TRANSPORTEUR DE TUBE**

[72] MICHAEL, SCHROEDER, US

[73] WCCO BELTING, INC., US

[85] 2016-09-09

[86] 2015-04-03 (PCT/US2015/024302)

[87] (WO2015/154003)

[30] US (61/974,631) 2014-04-03

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[11] **2,945,024**
[13] C

[51] **Int.Cl. B42D 25/328 (2014.01) B42D 25/29 (2014.01) B42D 25/324 (2014.01) B42D 25/425 (2014.01) B42D 25/43 (2014.01) G02B 5/18 (2006.01)**

[25] EN

[54] **OPTICAL SECURITY COMPONENT WITH REFLECTIVE EFFECT, PRODUCTION OF SUCH A COMPONENT AND SECURE DOCUMENT PROVIDED WITH SUCH A COMPONENT**

[54] **COMPOSANT OPTIQUE DE SECURITE A EFFET REFLECTIF, FABRICATION D'UN TEL COMPOSANT ET DOCUMENT SECURISE EQUIPE D'UN TEL COMPOSANT**

[72] PETITON, VALERY, FR
[72] TOLLET, VINCENT, FR
[73] SURYS, FR
[85] 2016-10-06
[86] 2015-03-12 (PCT/EP2015/055165)
[87] (WO2015/154943)
[30] FR (1453077) 2014-04-07
[30] FR (1453127) 2014-04-08

[11] **2,947,273**
[13] C

[51] **Int.Cl. A61G 1/044 (2006.01)**

[25] EN

[54] **PEDIATRIC TRANSPORT HARNESS FOR AN AMBULANCE COT**

[54] **HARNAIS DE TRANSPORT PEDIATRIQUE POUR UNE CIVIERE D'AMBULANCE**

[72] CHIA, ORLANDO, CA
[72] WHITAKER, BRUCE, CA
[73] FERNO-WASHINGTON, INC., US
[85] 2016-10-27
[86] 2015-04-29 (PCT/US2015/028187)
[87] (WO2015/168227)
[30] US (14/266,041) 2014-04-30

[11] **2,952,816**
[13] C

[51] **Int.Cl. F16B 1/04 (2006.01) F15B 21/00 (2006.01) F16B 7/06 (2006.01)**

[25] EN

[54] **LOCKING MECHANISM WITH VISIBLE STATUS INDICATION**

[54] **MECANISME DE VERROUILLAGE A INDICATION D'ETAT VISIBLE**

[72] ABEL, LEO WILLIAM, US
[73] ABEL, LEO WILLIAM, US
[85] 2016-12-16
[86] 2015-06-22 (PCT/US2015/037040)
[87] (WO2015/200231)
[30] US (14/314,953) 2014-06-25

[11] **2,953,888**
[13] C

[51] **Int.Cl. C08F 2/32 (2006.01)**

[25] EN

[54] **PROCESS FOR PRODUCING WATER-ABSORBENT RESIN**

[54] **PROCEDE DE PRODUCTION D'UNE RESINE ABSORBANT L'EAU**

[72] HINAYAMA, TETSUHIRO, JP
[72] MURAKAMI, MASAHIRO, JP
[72] TAKATORI, JUNICHI, JP
[73] SUMITOMO SEIKA CHEMICALS CO., LTD., JP
[85] 2016-12-29
[86] 2014-11-04 (PCT/JP2014/079267)
[87] (WO2016/006135)
[30] JP (2014-143609) 2014-07-11
[30] JP (2014-223298) 2014-10-31

[11] **2,956,439**
[13] C

[51] **Int.Cl. E21B 43/24 (2006.01) H01M 8/0668 (2016.01) F24H 8/00 (2006.01) C09K 8/592 (2006.01)**

[25] EN

[54] **METHOD OF PRODUCING HEAVY OIL USING A FUEL CELL**

[54] **METHODE DE PRODUCTION D'HUILE LOURDE AU MOYEN D'UNE PILE A COMBUSTIBLE**

[72] MILLAR, MACKENZIE, CA
[72] LOURENCO, JOSE, CA
[73] 1304338 ALBERTA LTD., CA
[73] 1304342 ALBERTA LTD., CA
[85] 2017-01-30
[86] 2015-10-08 (PCT/CA2015/051022)
[87] (2956439)

[11] **2,958,350**
[13] C

[51] **Int.Cl. G10L 19/22 (2013.01)**

[25] EN

[54] **AUDIO PROCESSING USING PLURAL DECODERS OR ENCODERS**

[54] **TRAITEMENT AUDIO AU MOYEN DE MULTIPLES DECODEURS OU CODEURS**

[72] RESCH, BARBARA, SE
[72] KJORLING, KRISTOFER, SE
[72] VILLEMOS, LARS, SE
[73] DOLBY INTERNATIONAL AB, NL
[86] (2958350)
[87] (2958350)
[22] 2011-06-23
[62] 2,928,180
[30] US (61/361237) 2010-07-02

[11] **2,958,360**
[13] C

[51] **Int.Cl. G10L 19/26 (2013.01)**

[25] EN

[54] **AUDIO DECODER**

[54] **DECODEUR AUDIO**

[72] RESCH, BARBARA, SE
[72] KJORLING, KRISTOFER, SE
[72] VILLEMOS, LARS, SE
[73] DOLBY INTERNATIONAL AB, NL
[86] (2958360)
[87] (2958360)
[22] 2011-06-23
[62] 2,928,180
[30] US (61/361237) 2010-07-02

[11] **2,963,474**
[13] C

[51] **Int.Cl. B08B 7/02 (2006.01)**

[25] EN

[54] **VARIABLE FREQUENCY FLUID PULSE GENERATOR**

[54] **GENERATEUR D'IMPULSION DE FLUIDE A FREQUENCE VARIABLE**

[72] LIVSHITZ, DANNY, CA
[73] LIVSHITZ, DANNY, CA
[86] (2963474)
[87] (2963474)
[22] 2017-04-06

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[11] **2,977,099**

[13] C

[51] **Int.Cl. A61M 5/168 (2006.01) A61M
5/172 (2006.01)**

[25] EN

[54] **PRECISION VARIABLE FLOW
RATE INFUSION SYSTEM AND
METHOD**

[54] **SYSTEME ET PROCEDE DE
PERFUSION DE PRECISION A
DEBIT VARIABLE**

[72] SEALFON, ANDREW, US

[72] GHESHMI, SIAVASH, US

[73] REPRO-MED SYSTEMS, INC., US

[85] 2017-08-17

[86] 2016-02-25 (PCT/US2016/019600)

[87] (WO2016/140864)

[30] US (62/128,501) 2015-03-04

[30] US (15/052,727) 2016-02-24

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<p>[21] 2,928,417 [13] A1 [51] Int.Cl. B23K 9/013 (2006.01) B23K 9/32 (2006.01) [25] EN [54] ARC GOUGING BOX [54] BOITE DE GOUGEAGE A L'ARC [72] LEBLANC, DANIEL A., CA [71] LEBLANC, DANIEL A., CA [22] 2016-04-29 [41] 2017-10-29</p>	<p>[21] 2,928,447 [13] A1 [51] Int.Cl. E04F 15/20 (2006.01) [25] EN [54] SOUND PROOF UNDERLAYMENT MEMBRANE [54] MEMBRANE DE SOUS-COUCHE INSONORISANTE [72] PELLETIER, VINCENT, CA [71] TOPFLOOR UNDERLAYMENT INC., CA [22] 2016-04-29 [41] 2017-10-29</p>	<p>[21] 2,928,478 [13] A1 [51] Int.Cl. B62B 3/00 (2006.01) B62B 5/06 (2006.01) [25] EN [54] WHEELED CART FOR TRANSPORTING STORE ITEMS [54] CHARIOT SUR ROUES DESTINE AU TRANSPORT D'ARTICLES DE MAGASIN [72] GREEN, JEFFREY, US [72] PROPES, MARK, US [71] WAL-MART STORES, INC., US [22] 2016-04-29 [41] 2017-10-29</p>
<p>[21] 2,928,419 [13] A1 [51] Int.Cl. G21F 9/30 (2006.01) C09K 8/528 (2006.01) [25] EN [54] COMPOSITION FOR REMOVING NATURALLY OCCURING RADIOACTIVE MATERIAL (NORM) SCALE [54] COMPOSITION D'ENLEVEMENT DE DEPOT DE MATERIAU RADIOACTIF D'ORIGINE NATURELLE [72] MASON, DOUGLAS J., US [71] FQE CHEMICALS INC., CA [22] 2016-04-29 [41] 2017-10-29</p>	<p>[21] 2,928,452 [13] A1 [51] Int.Cl. A47K 1/02 (2006.01) [25] EN [54] ABLUTION KIT [54] TROUSSE D'ABLUTION [72] MOHAMED ANVER, MOHAMED RIZLAN, CA [71] MOHAMED ANVER, MOHAMED RIZLAN, CA [22] 2016-04-29 [41] 2017-10-29</p>	<p>[21] 2,928,488 [13] A1 [51] Int.Cl. E02B 11/00 (2006.01) E01F 5/00 (2006.01) [25] EN [54] METHOD OF INSTALLATION AND USE FOR A PASSIVE CAPILLARY WICKING DEVICE [54] METHODE D'INSTALLATION ET UTILISATION D'UN DISPOSITIF DE MECHAGE CAPILLAIRE PASSIF [72] ATKINSON, PETER, CA [71] ATKINSON, PETER, CA [22] 2016-04-29 [41] 2017-10-29</p>

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[21] **2,928,500**
[13] A1

[51] **Int.Cl. A63H 3/02 (2006.01) A61G 99/00 (2006.01) A63H 3/36 (2006.01) A63H 9/00 (2006.01)**

[25] FR

[54] **COMFORTING THERMATHERAPEUTIC STUFFED TOYS AND HEAVY GOODS**

[54] **PELUCHES ET PRODUITS LOURDS THERMATHERAPEUTIQUES RECONFORTANTS**

[72] UNKNOWN, ZZ

[71] DAGENAIS, MELANIE, CA

[71] LEMELIN, AMELIE, CA

[22] 2016-05-02

[41] 2017-11-02

[21] **2,928,615**
[13] A1

[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01) A61B 17/062 (2006.01)**

[25] EN

[54] **SUTURING DEVICE AND METHOD**

[54] **DISPOSITIF DE SUTURE ET METHODE**

[72] SHERWINTER, DANNY A., US

[71] BRAINCHILD SURGICAL DEVICES LLC, US

[22] 2016-05-03

[41] 2017-11-03

[21] **2,928,655**
[13] A1

[51] **Int.Cl. A47C 3/00 (2006.01) A47C 3/12 (2006.01) A47C 7/16 (2006.01)**

[25] EN

[54] **CHAIR FRAME**

[54] **CADRE DE CHAISE**

[72] GIBSON, SIDNEY, CA

[71] MAJOR PRODUCTS/ SIDNEY GIBSON LIMITED, CA

[22] 2016-04-29

[41] 2017-10-29

[21] **2,928,672**
[13] A1

[51] **Int.Cl. A63B 57/00 (2015.01)**

[25] EN

[54] **GOLF TEE TOSS SYSTEMS**

[54] **SYSTEMES DE LANCER DU TE DE GOLF EN VUE DE DETERMINER L'ORDRE DE JEU**

[72] RICHARDSON, KEVIN, CA

[72] JOHNSON, BRAD, CA

[71] RICHARDSON, KEVIN, CA

[71] JOHNSON, BRAD, CA

[22] 2016-05-03

[41] 2017-11-03

[21] **2,928,680**
[13] A1

[51] **Int.Cl. E04H 12/22 (2006.01)**

[25] EN

[54] **POST HOLDER**

[54] **SUPPORT DE MONTANT**

[72] ANTINOLFI, JOHN, CA

[71] ANTINOLFI, JOHN, CA

[22] 2016-05-04

[41] 2017-11-04

[21] **2,928,763**
[13] A1

[51] **Int.Cl. E03B 9/08 (2006.01)**

[25] EN

[54] **OUTDOOR WATER SERVICE ENCLOSURE AND SYSTEM**

[54] **ENCEINTE DE SERVICE D'EAU EXTERIEUR ET SYSTEME**

[72] MAGILL, MICHAEL, CA

[72] MAHAN, CASEY, CA

[72] PLACSKO, CHAD, CA

[71] ION IRRIGATION MANAGEMENT INC., CA

[22] 2016-05-02

[41] 2017-11-02

[21] **2,928,806**
[13] A1

[51] **Int.Cl. D21C 1/00 (2006.01) F26B 21/06 (2006.01)**

[25] EN

[54] **INTEGRATED UNIT FOR TREATMENT AND DRYING LIGNOCELLULOSIC MATERIAL**

[54] **MODULE INTEGRE DESTINE AU TRAITEMENT ET AU SECHAGE DE MATIERE LIGNOCELLULOSIQUE**

[72] ROY, JACQUES, CA

[71] ROY, JACQUES, CA

[22] 2016-05-04

[41] 2017-11-04

[21] **2,928,818**
[13] A1

[51] **Int.Cl. B26B 21/52 (2006.01) B26B 21/22 (2006.01) B26B 21/60 (2006.01)**

[25] EN

[54] **RAZORS**

[54] **RASOIRS**

[72] BAZOS, DEMETRIUS J., CA

[72] KONIDAS, PETER J., CA

[71] BAZOS, DEMETRIUS J., CA

[71] KONIDAS, PETER J., CA

[22] 2016-05-04

[41] 2017-11-04

[21] **2,928,823**
[13] A1

[51] **Int.Cl. C25B 11/04 (2006.01) C25B 11/02 (2006.01)**

[25] FR

[54] **MAGNESIUM ANODES AND THEIR USE IN THE ELECTRO-CHEMICAL SYNTHESIS OF STRUVITE**

[54] **ANODES AU MAGNESIUM ET LEUR UTILISATION DANS LA SYNTHESE ELECTROCHIMIQUE DE LA STRUVITE**

[72] LAAROUSSI, MOHAMED, CA

[72] BEN SALAH, IHSEN, CA

[71] E2METRIX INC., CA

[22] 2016-05-04

[41] 2017-11-04

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[21] **2,928,891**
[13] A1

[51] **Int.Cl. B65F 1/14 (2006.01)**
[25] EN
[54] **IN-GROUND RECEPTACLE AND
INSTALLATION THEREOF**
[54] **RECEPTACLE EN SOUS-SOL ET
INSTALLATION ASSOCIEE**
[72] HALLMAN, DAVID, CA
[71] EARTHBIN INC., CA
[22] 2016-05-03
[41] 2017-11-03

[21] **2,928,939**
[13] A1

[51] **Int.Cl. G01G 23/36 (2006.01) H04W
4/00 (2009.01) G06Q 10/08 (2012.01)
G06Q 50/12 (2012.01) G01D 7/00
(2006.01)**
[25] EN
[54] **SENSING DEVICES AND
SYSTEMS INCLUDING
EXAMPLES OF PAIRING
SENSING DEVICES TO
CONTAINERS**
[54] **DISPOSITIFS DE DETECTION ET
SYSTEMES COMPRENANT DES
EXEMPLES DE PAIRAGE DE
DISPOSITIFS DE DETECTION A
DES CONTENEURS**
[72] FLOCKENHAUS, MICHAEL, US
[72] AUSTIN, JASON FRANKLIN, US
[71] STEADYSERV TECHNOLOGIES,
LLC, US
[22] 2016-04-29
[41] 2017-10-29

[21] **2,929,349**
[13] A1

[51] **Int.Cl. F21S 10/02 (2006.01) F21K
9/00 (2016.01) E21B 17/18 (2006.01)
H05B 37/02 (2006.01)**
[25] EN
[54] **LIGHT FIXTURE**
[54] **APPAREIL D'ECLAIRAGE**
[72] CHONG, MATTHEW JOHN, AU
[72] KHAN, NOUMAN BASHIR, AU
[71] HUBBELL INCORPORATED, US
[22] 2016-05-09
[41] 2017-10-29
[30] US (62/329,377) 2016-04-29

[21] **2,929,810**
[13] A1

[51] **Int.Cl. G01N 33/48 (2006.01) G01N
33/53 (2006.01) G01N 33/74 (2006.01)**
[25] EN
[54] **IMPROVED EARLY PREDICTION
OF PREECLAMPSIA**
[54] **PREDICTION PRECOCE**
[54] **AMELIOREE DE LA
PREECLAMPSIE**
[72] GROBE, JUSTIN L., US
[72] SANTILLAN, MARK K., US
[72] SANTILLAN, DONNA ANN, US
[71] UNIVERSITY OF IOWA RESEARCH
FOUNDATION, US
[22] 2016-05-11
[41] 2017-10-29
[30] US (62/329,829) 2016-04-29

[21] **2,930,799**
[13] A1

[51] **Int.Cl. F24F 13/28 (2006.01) F24F
13/06 (2006.01)**
[25] EN
[54] **AIR FILTER SYSTEM FOR USE
WITH INDIVIDUAL ROOM AIR
OUTLETS**
[54] **SYSTEME DE FILTRE A AIR
DESTINE A DES SORTIES D'AIR
DE PIECE INDIVIDUELLES**
[72] HURLEY, PATRICK J., US
[71] HURLEY, PATRICK J., US
[22] 2016-05-24
[41] 2017-11-02
[30] US (15/143,833) 2016-05-02

[21] **2,932,090**
[13] A1

[51] **Int.Cl. E21B 43/24 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR
HEATING A BITUMEN OR
HEAVY OIL RESERVOIR**
[54] **SYSTEME ET METHODE DE
CHAUFFAGE DE RESERVOIR DE
BITUME OU DE PETROLE
LOURD**
[72] ACOSTA-RAMIREZ, HUGO, CA
[72] ENG, DENNEDY D.J., CA
[72] IRVINE, DOUGLAS J., CA
[72] SAPIANO, HENRY J., CA
[72] VETRONE, JOE, CA
[72] DE HAAS, THOMAS W., CA
[72] SMITH, JENNIFER, CA
[72] CAMPBELL, SUSAN, CA
[71] SUNCOR ENERGY INC., CA
[22] 2016-06-06
[41] 2017-11-02
[30] US (62/330,677) 2016-05-02

[21] **2,936,344**
[13] A1

[51] **Int.Cl. B65B 11/00 (2006.01) B65B
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[25] EN
[54] **SUSTAINABLE PACKAGING
SYSTEM AND METHOD
THEREOF**
[54] **SYSTEME D'EMBALLAGE
DURABLE ET METHODE
ASSOCIEE**
[72] FRANCO, DAVID LOUIS, US
[72] RUIZ, ANDRES, US
[71] FRANCO MANUFACTURING CO.
INC., US
[22] 2016-07-15
[41] 2017-11-04
[30] US (15/146,181) 2016-05-04

[21] **2,937,472**
[13] A1

[51] **Int.Cl. E06B 3/32 (2006.01) E05C 7/04
(2006.01) E06B 3/36 (2006.01) E06B
7/16 (2006.01)**
[25] EN
[54] **ASTRAGAL AND SEALING FOR
THE SAME**
[54] **ASTRAGALE ET JOINT ASSOCIE**
[72] JASKIEWICZ, TOMASZ, US
[71] ENDURA PRODUCTS, INC., US
[22] 2016-07-28
[41] 2017-11-04
[30] US (15/146,286) 2016-05-04

[21] **2,942,939**
[13] A1

[51] **Int.Cl. G09F 9/33 (2006.01)**
[25] EN
[54] **LED DISPLAY SCREEN**
[54] **ECRAN D'AFFICHAGE A DEL**
[72] WANG, DINGFANG, CN
[71] LEYARD OPTOELECTRONIC CO.,
LTD., CN
[22] 2016-09-22
[41] 2017-11-03
[30] CN (201610286606.5) 2016-05-03

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[21] **2,945,359**
[13] A1

[51] **Int.Cl. A47B 96/04 (2006.01)**
[25] EN
[54] **SHELF PARTITION FOR DISPLAYING BAGGED FOOD ITEMS AND METHOD OF USING THE SAME**

[54] **DIVISEUR DE TABLETTE DESTINE A PRESENTER DES ARTICLES ALIMENTAIRES ENSACHES ET METHODE D'UTILISATION ASSOCIEE**

[72] COLLETTE, STEPHEN ROBERT, US
[71] POST CONSUMER BRANDS, LLC, US

[22] 2016-10-14
[41] 2017-11-04
[30] US (15/146,349) 2016-05-04

[21] **2,947,334**
[13] A1

[51] **Int.Cl. A47G 27/02 (2006.01)**
[25] EN
[54] **OPTIMIZED CHAIR MAT SHAPE**
[54] **FORME OPTIMISEE DE TAPIS DE CHAISE**

[72] AMRINE, PATRICK, US
[72] MOREY, KEVIN, US
[72] SANDERS, FORREST ADAM, US
[71] DIMEX OFFICE PRODUCTS LLC, US

[22] 2016-11-03
[41] 2017-11-04
[30] US (62/331,707) 2016-05-04
[30] US (15/333,649) 2016-10-25

[21] **2,949,319**
[13] A1

[51] **Int.Cl. A61H 39/00 (2006.01) A61H 99/00 (2006.01)**
[25] EN
[54] **AN APPARATUS AND METHOD FOR A UNITARY BODY SUCTION WITH CONTIGUOUS SEALING BEVELED LIP**

[54] **UN APPAREIL ET UNE METHODE D'ASPIRATION A CORPS UNITAIRE ET LEVRE BISEAUTEE A JOINT CONTINU**

[72] COTE, GUYLAINE, US
[72] COTE, VYTAL, US
[71] COTE, GUYLAINE, US
[71] COTE, VYTAL, US

[22] 2016-11-23
[41] 2017-11-03
[30] US (15/145,564) 2016-05-03

[21] **2,951,055**
[13] A1

[51] **Int.Cl. C04B 14/06 (2006.01) C04B 14/22 (2006.01)**
[25] EN
[54] **FORMULATION BASED ON HDYDRAULIC CEMENT ADDED WITH AMORPHOUS GLASSES AND MICRO-SPHERES FOR PRODUCTS OF REPAIR, MAINTENANCE OR REHABILITATION OF CONCRETE STRUCTURES**

[54] **FORMULATION FONDEE SUR UN CIMENT HYDRAULIQUE AUQUEL DU VERRE AMORPHE ET DES MICROSFERES ONT ETE AJOUTES DESTINEE AUX PRODUITS DE REPARATION, ENTRETIEN OU RENOVATION DES STRUCTURES EN BETON**

[72] OSAWA DIAZ, JOSE, MX
[71] JOSAWA, S.A. DE C.V., MX

[22] 2016-12-09
[41] 2017-10-29
[30] MX (MX/A/2016/005644) 2016-04-29

[21] **2,951,304**
[13] A1

[51] **Int.Cl. D06M 10/02 (2006.01) D21H 25/04 (2006.01)**
[25] EN
[54] **POSITION ADJUSTMENT MECHANISM FOR A CORONA TREATMENT APPARATUS**

[54] **MECANISME D'AJUSTEMENT DE POSITION DESTINE A UN APPAREIL DE TRAITEMENT CORONAIRE**

[72] WOLF, RORY A., US
[72] URBAN, ERIC JOHN, US
[72] KLEINSCHMIDT, ROBERT ALAN, US

[71] ILLINOIS TOOL WORKS INC., US

[22] 2016-12-09
[41] 2017-11-03
[30] US (15/145,327) 2016-05-03

[21] **2,952,137**
[13] A1

[51] **Int.Cl. A42B 3/20 (2006.01)**
[25] EN
[54] **HELMET WITH FACEMASK ADJUSTMENT MECHANISM**

[54] **CASQUE DOTE D'UN MECANISME D'AJUSTEMENT DE MASQUE FACIAL**

[72] MORIN, SEBASTIEN, CA
[72] BEAUCHAMP, PIERRE-LUC, CA
[72] LANGLOIS, SIMON, CA
[72] STEENBRINK, BRIAN WILLIAM, CA

[72] WIART, NICOLE JACQUELINE, CA
[72] GERMAIN, SIMON-PIERRE, CA

[71] SPORT MASKA INC., CA

[22] 2016-12-16
[41] 2017-10-29
[30] US (62/329,334) 2016-04-29

[21] **2,953,448**
[13] A1

[51] **Int.Cl. H02S 50/00 (2014.01) H02S 40/34 (2014.01) H02G 3/08 (2006.01)**
[25] EN
[54] **FAIL-SAFE DISCONNECT JUNCTION BOX AND SOLAR POWER SYSTEM**

[54] **BOITE DE RACCORDEMENT A DECONNEXION SANS DEFAILLANCE ET SYSTEME D'ENERGIE SOLAIRE**

[72] YU, YI, CN
[71] SHINE CHARM LIMITED, SC

[22] 2017-01-04
[41] 2017-11-03
[30] CN (201610293932.9) 2016-05-03

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[21] **2,957,393**
[13] A1

[51] **Int.Cl. B01L 1/00 (2006.01) B08B 15/02 (2006.01)**
[25] EN
[54] **LABORATORY HOOD WITH VENTURI EFFECT AIR INTAKE DEVICE FOR ANTI-TURBULENT AIR FLOW CONTROL**
[54] **HOTTE DE LABORATOIRE A DISPOSITIF D'ENTREE D'AIR A EFFET VENTURI DESTINE AU CONTROLE DE FLUX D'AIR ANTI-TURBULENT**
[72] RINDOKS, KURT P., US
[72] VAUGHN, MICHAEL PINKNEY, US
[71] KEWAUNEE SCIENTIFIC CORPORATION, US
[22] 2017-02-08
[41] 2017-11-02
[30] US (15/144,038) 2016-05-02

[21] **2,958,522**
[13] A1

[51] **Int.Cl. B65G 35/06 (2006.01) B61B 13/00 (2006.01)**
[25] EN
[54] **CONVEYING EQUIPMENT WITH UTILIZATION OF CONVEYING TRAVELING BODY**
[54] **EQUIPEMENT DE TRANSPORT COMPORTANT UNE COMPOSANTE DE TRANSPORT DE CORPS EN DEPLACEMENT**
[72] OKAMURA, TAKASHI, JP
[72] YAMAUCHI, YASUHIRO, JP
[71] DAIFUKU CO., LTD., JP
[22] 2017-02-21
[41] 2017-10-29
[30] JP (2016-092150) 2016-04-29

[21] **2,959,223**
[13] A1

[51] **Int.Cl. C08F 2/01 (2006.01) C08F 2/34 (2006.01) G05D 16/20 (2006.01)**
[25] EN
[54] **PRESSURE CONTROL TO REDUCE PUMP POWER FLUCTUATIONS**
[54] **COMMANDE DE PRESSION VISANT A REDUIRE LES FLUCTUATIONS DE PUISSANCE DE LA POMPE**
[72] HOTTOVY, JOHN D., US
[72] KUFELD, SCOTT E., US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[22] 2017-02-27
[41] 2017-10-29
[30] US (15/142,279) 2016-04-29

[21] **2,959,264**
[13] A1

[51] **Int.Cl. C25D 3/06 (2006.01) C25D 3/10 (2006.01) C25D 17/10 (2006.01)**
[25] EN
[54] **TRIVALENT CHROMIUM PLATING FORMULATIONS AND PROCESSES**
[54] **FORMULATIONS DE PLACAGE DE CHROME TRIVALENT ET PROCEDES**
[72] IJERI, VIJAYKUMAR S., US
[72] PRAKASH, OM, US
[72] GAYDOS, STEPHEN P., US
[72] MOHAN, SUBRAMANIAN, US
[71] THE BOEING COMPANY, US
[22] 2017-02-24
[41] 2017-11-02
[30] US (15/144,688) 2016-05-02

[21] **2,959,422**
[13] A1

[51] **Int.Cl. B65D 25/40 (2006.01)**
[25] EN
[54] **TAP ASSEMBLY FOR SOLVENT CONTAINER**
[54] **ENSEMBLE DE ROBINET DESTINE A UN CONTENANT DE SOLVANT**
[72] SPECK, JAMES H., CA
[71] PRO FORM PRODUCTS LIMITED, CA
[22] 2017-03-01
[41] 2017-11-02
[30] US (62/330470) 2016-05-02
[30] US (62/337661) 2016-05-17

[21] **2,959,824**
[13] A1

[51] **Int.Cl. A42B 1/06 (2006.01) A42B 1/22 (2006.01) A42B 1/24 (2006.01) A42C 1/00 (2006.01)**
[25] EN
[54] **A BASEBALL CAP WITH A COMB ON THE STRAP**
[54] **UNE CASQUETTE DE BASEBALL DOTE E D'UN PEIGNE SUR LA SANGLE**
[72] QUIROZ, ANTHONY, US
[72] KOSLIK, JOSEPH, US
[72] LEE, RAZGO, US
[71] OTTO INTERNATIONAL, INC., US
[22] 2017-03-02
[41] 2017-11-03
[30] US (14/999,412) 2016-05-03

[21] **2,959,908**
[13] A1

[51] **Int.Cl. E04B 1/00 (2006.01) E04H 1/00 (2006.01)**
[25] EN
[54] **INTERLOCKING COMPONENTS STRUCTURE**
[54] **STRUCTURES DE COMPOSANTES INTERVERROUILLABLES**
[72] MACDOUGALL, KENNETH L., CA
[71] MACDOUGALL, KENNETH L., CA
[22] 2017-03-06
[41] 2017-10-31

[21] **2,960,004**
[13] A1

[51] **Int.Cl. B64D 15/04 (2006.01) B64D 33/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PREVENTING ICE FORMATION ON PORTIONS OF AN AIRCRAFT**
[54] **SYSTEMES ET METHODES DE PREVENTION DE LA FORMATION DE GLACE SUR DES PORTIONS D'UN AERONEF**
[72] MACKIN, STEVE, US
[72] FISHER, ROBERT EARL, US
[71] THE BOEING COMPANY, US
[22] 2017-03-03
[41] 2017-11-02
[30] US (15/144,018) 2016-05-02

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[21] **2,961,064**
[13] A1

[51] **Int.Cl. A46B 9/04 (2006.01) A61C 15/00 (2006.01)**
[25] EN
[54] **INTERDENTAL BRUSH AND DIAGNOSTIC METHOD WITH SAID INTERDENTAL BRUSH**
[54] **BROSSE INTERDENTAIRE ET METHODE DE DIAGNOSTIC AU MOYEN DE LADITE BROSSE INTERDENTAIRE**
[72] PETERSEN, RALF, DE
[71] SOLO-MED GMBH, DE
[22] 2017-03-15
[41] 2017-10-30
[30] DE (10 2016 005 332.1) 2016-04-30

[21] **2,962,050**
[13] A1

[51] **Int.Cl. F01D 5/10 (2006.01) F01D 25/04 (2006.01)**
[25] EN
[54] **DAMPER RING**
[54] **BAGUE D'AMORTISSEUR**
[72] PANKRATOV, MAKSIM, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2017-03-23
[41] 2017-11-03
[30] US (15/145,160) 2016-05-03

[21] **2,962,304**
[13] A1

[51] **Int.Cl. G01S 17/89 (2006.01)**
[25] EN
[54] **DEVICE FOR DETERMINING A 3D STRUCTURE OF AN OBJECT**
[54] **DISPOSITIF PERMETTANT DE DETERMINER UNE STRUCTURE 3D D'UN OBJET**
[72] KNUETTEL, ALEXANDER, DE
[71] VOCO GMBH, DE
[22] 2017-03-28
[41] 2017-11-04
[30] EP (16168338.8) 2016-05-04

[21] **2,963,201**
[13] A1

[51] **Int.Cl. F24H 9/20 (2006.01) E03C 1/044 (2006.01) F24H 1/10 (2006.01)**
[25] EN
[54] **FLUID HEATING SYSTEM AND INSTANT FLUID HEATING DEVICE**
[54] **SYSTEME DE CHAUFFAGE DE FLUIDE ET DISPOSITIF DE CHAUFFAGE DE FLUIDE INSTANTANE**
[72] MIHU, SERGIU GABRIEL, US
[72] JURCZYSAK, ERIC R., US
[72] HAYDEN, CHRIS, US
[71] EEMAX, INC., US
[22] 2017-04-04
[41] 2017-11-04
[30] US (15/146,251) 2016-05-04

[21] **2,963,564**
[13] A1

[51] **Int.Cl. A47J 45/07 (2006.01)**
[25] FR
[54] **KITCHEN UTENSIL WITH REMOVABLE HANDLE**
[54] **USTENSILE DE CUISINE A POIGNEE AMOVIBLE**
[72] DODANE, PAUL, FR
[72] BRUGGER, EMMANUEL, FR
[72] DROUVILLE, PASCAL, FR
[71] CRISTEL, FR
[22] 2017-04-07
[41] 2017-11-03
[30] FR (1654008) 2016-05-03
[30] FR (1655008) 2016-06-02

[21] **2,963,656**
[13] A1

[51] **Int.Cl. B65G 69/28 (2006.01) B65G 69/00 (2006.01)**
[25] EN
[54] **CONTROL SYSTEMS FOR OPERATION OF LOADING DOCK EQUIPMENT, AND ASSOCIATED METHODS OF MANUFACTURE AND USE**
[54] **SYSTEMES DE COMMANDE DESTINES A L'UTILISATION D'EQUIPEMENT DE QUAI DE CHARGEMENT, ET METHODES ASSOCIEES DE FABRICATION ET UTILISATION**
[72] HOOFFARD, RICHARD K., US
[72] WALFORD, BRETT A., US
[72] KOSEK, STEPHEN, US
[71] ASSA ABLOY ENTRANCE SYSTEMS AB, SE
[22] 2017-04-10
[41] 2017-11-03
[30] US (15/145,605) 2016-05-03

[21] **2,964,008**
[13] A1

[51] **Int.Cl. F16B 35/04 (2006.01) E04C 5/12 (2006.01) E04C 5/16 (2006.01)**
[25] EN
[54] **DOUBLE THREADED STANDOFF FASTENER**
[54] **FIXATION INDEPENDANTE FILETEE DOUBLE**
[72] DAYTON, LIONEL E., US
[72] LUKES, RICHARD W., US
[71] NUCOR CORPORATION, US
[71] ASIA FASTENING (US), INC., US
[22] 2017-04-11
[41] 2017-11-02
[30] US (62/330,633) 2016-05-02

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[21] **2,964,400**
[13] A1

[51] **Int.Cl. G01R 19/15 (2006.01) B64F 5/60 (2017.01) B64D 45/02 (2006.01) G01K 11/12 (2006.01) G01N 21/88 (2006.01) G01R 19/165 (2006.01)**

[25] EN

[54] **THERMO-CHROMATIC WITNESS FEATURES FOR LIGHTNING STRIKE INDICATION IN BOTH METALLIC AND COMPOSITE STRUCTURES**

[54] **FONCTIONNALITES DE TEMOIN THERMOCHROMATIQUE DESTINEES A L'INDICATION DE COUP DE Foudre DANS LES STRUCTURES METALLIQUES ET LES STRUCTURES COMPOSITES**

[72] GEORGESON, GARY, US
[72] IHN, JEONG-BEOM, US
[71] THE BOEING COMPANY, US
[22] 2017-04-12
[41] 2017-11-02
[30] US (15/143958) 2016-05-02

[21] **2,964,549**
[13] A1

[51] **Int.Cl. C09J 133/00 (2006.01) C08J 5/12 (2006.01)**

[25] EN

[54] **PRESSURE-SENSITIVE ADHESIVES FOR BONDING FLEXIBLE PRINTING PLATES**

[54] **ADHESIFS SENSIBLES A LA PRESSION SERVANT A RELIER DES PLAQUES D'IMPRESSON FLEXIBLES**

[72] PUTZ, BENJAMIN, DE
[72] THEBUD, NILS, DE
[72] WIEGHARDT, LISA, DE
[71] TESA SE, DE
[22] 2017-04-13
[41] 2017-10-29
[30] DE (10 2016 207 374.5) 2016-04-29

[21] **2,964,553**
[13] A1

[51] **Int.Cl. F16C 11/10 (2006.01) A47B 21/013 (2006.01) F16M 11/04 (2006.01)**

[25] EN

[54] **LOCKING RELEASE MECHANISM FOR AN ARTICULATED SUPPORT ARM**

[54] **MECANISME DE LIBERATION DE VERROUILLAGE DESTINE A UN BRAS DE SUPPORT ARTICULE**

[72] GLASER, ROBERT P., US
[72] LITTLEFIELD, JOSHUA K., US
[72] DAUGBJERG, CRISTIAN J., US
[72] BORLOZ, PAUL R., US
[71] GCX CORPORATION, US
[22] 2017-04-20
[41] 2017-10-29
[30] US (15/142,954) 2016-04-29

[21] **2,964,614**
[13] A1

[51] **Int.Cl. B64D 33/00 (2006.01) B64D 15/04 (2006.01) F02C 7/047 (2006.01) F28F 1/40 (2006.01) F28F 13/08 (2006.01) F28F 13/12 (2006.01)**

[25] EN

[54] **DIRECTIONAL FLOW NOZZLE SWIRL ENHANCER**

[54] **DISPOSITIF D'AMELIORATION DU TOURBILLON DE BUSE A FLUX DIRECTIONNEL**

[72] TIWARI, PRASHANT, US
[72] MUKHERJEE, SHILADITYA, US
[72] WIBERG, CLARK GEORGE, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2017-04-20
[41] 2017-11-02
[30] US (15/143,770) 2016-05-02

[21] **2,964,617**
[13] A1

[51] **Int.Cl. B64D 29/00 (2006.01) B64D 15/04 (2006.01) B64D 33/02 (2006.01) F01D 25/12 (2006.01) F02C 7/12 (2006.01) F15D 1/12 (2006.01)**

[25] EN

[54] **DIMPLED NACELLE INNER-SURFACE FOR HEAT TRANSFER IMPROVEMENT**

[54] **SURFACE INTERIEURE DE NACELLE A BOSSETTES DESTINEE A L'AMELIORATION DU TRANSFERT THERMIQUE**

[72] TIWARI, PRASHANT, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2017-04-20
[41] 2017-11-02
[30] US (15/143,758) 2016-05-02

[21] **2,964,624**
[13] A1

[51] **Int.Cl. F01D 5/18 (2006.01) F01D 25/12 (2006.01) F02C 7/12 (2006.01) F02D 9/04 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR COOLING COMPONENTS OF A GAS TURBINE ENGINE**

[54] **SYSTEME ET METHODE DE REFROIDISSEMENT DE COMPOSANTES D'UNE TURBINE A GAZ**

[72] BUNKER, RONALD SCOTT, US
[72] GROVES II, ROBERT CHARLES, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2017-04-20
[41] 2017-11-03
[30] US (15/144,857) 2016-05-03

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[21] **2,964,655**
 [13] A1

[51] **Int.Cl. F02C 6/08 (2006.01) F01D 9/02 (2006.01) F02C 9/18 (2006.01)**

[25] EN

[54] **FEEDER DUCT ASSEMBLY WITH FLEXIBLE END FITTINGS**

[54] **ASSEMBLAGE DE CONDUITE DE DISPOSITIF D'ALIMENTATION DOTE DE RACCORDS D'EXTREMITE FLEXIBLES**

[72] JONNALAGADDA, DATTU, G.V., IN

[72] JANKIN, GREEDARAN KUBENDRAN, IN

[72] GRAHAM, BRUCE PATRICK, US

[72] SIVAPRASAD, RACHAMADUGU, IN

[72] MILLWARD, DOUGLAS, US

[71] UNISON INDUSTRIES, LLC, US

[22] 2017-04-20

[41] 2017-11-04

[30] IN (201641015601) 2016-05-04

[21] **2,964,724**
 [13] A1

[51] **Int.Cl. F02C 7/06 (2006.01) F01D 25/16 (2006.01) F01D 25/18 (2006.01)**

[25] EN

[54] **SUMP ASSEMBLY FOR A GAS TURBINE ENGINE**

[54] **ENSEMBLE DE CARTER DESTINE A UNE TURBINE A GAZ**

[72] WOTZAK, MARK GREGORY, US

[71] GENERAL ELECTRIC COMPANY, US

[22] 2017-04-20

[41] 2017-10-29

[30] US (15/141,917) 2016-04-29

[21] **2,964,931**
 [13] A1

[51] **Int.Cl. B32B 1/02 (2006.01) B32B 37/00 (2006.01)**

[25] FR

[54] **FLEXIBLE FUEL RESERVOIR WITH PROPERTIES FOR DISSIPATING ELECTROSTATIC CHARGES**

[54] **RESERVOIR SOUPLE DE CARBURANT PRESENTANT DES PROPRIETES DE DISSIPATION DES CHARGES ELECTROSTATIQUES**

[72] BRIAND, VALERIE, FR

[72] FILIPPIDIS, SARA, FR

[72] LACOINTE, STEPHANIE, FR

[72] VERNAY, SEBASTIEN, FR

[71] ZODIAC AEROSAFETY SYSTEMS, FR

[22] 2017-04-20

[41] 2017-11-03

[30] FR (FR 16 54012) 2016-05-03

[21] **2,965,021**
 [13] A1

[51] **Int.Cl. H05B 37/02 (2006.01) H01H 9/00 (2006.01)**

[25] EN

[54] **ELECTRICAL SWITCH AND SLIDER ASSEMBLY THEREFOR**

[54] **ENSEMBLE D'INTERRUPTEUR ELECTRIQUE ET COULISSE ASSOCIEE**

[72] DHOTE, NAVNEET RAMKRUSHNAJI, IN

[72] SAWAI, NILESH KAMLAKAR, IN

[72] KUMAR, PRAMOD, US

[72] NEUNDORFER, OSCAR L., US

[71] EATON CORPORATION, US

[22] 2017-04-20

[41] 2017-11-03

[30] US (15/145,201) 2016-05-03

[21] **2,965,023**
 [13] A1

[51] **Int.Cl. H01H 3/02 (2006.01) H01H 3/40 (2006.01) H02B 13/00 (2006.01)**

[25] EN

[54] **ELECTRICAL ENCLOSURE, AND SWITCHING ASSEMBLY AND TRANSFER ASSEMBLY THEREFOR**

[54] **ENCEINTE ELECTRIQUE ET MECANISME DE COMMUTATION ET MECANISME DE TRANSFERT ASSOCIE**

[72] ZHANG, XUECHENG, CN

[72] DARR, MATTHEW RAIN, CN

[72] GUO, XUAN, CN

[71] EATON CORPORATION, US

[22] 2017-04-20

[41] 2017-10-29

[30] US (15/142,136) 2016-04-29

[21] **2,965,025**
 [13] A1

[51] **Int.Cl. A47C 27/10 (2006.01) A47C 27/00 (2006.01) A47C 27/06 (2006.01)**

[25] EN

[54] **ADJUSTABLE COMFORT MATTRESS SYSTEM AND PROCESSES**

[54] **SYSTEME DE MATELAS A CONFORT AJUSTABLE ET PROCEDES**

[72] DUWELL, MICHAEL J., US

[72] DEFRANKS, MICHAEL S., US

[71] DREAMWELL, LTD., US

[22] 2017-04-21

[41] 2017-11-04

[30] US (15/146,165) 2016-05-04

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[21] **2,965,030**
[13] A1

[51] **Int.Cl. F01D 25/18 (2006.01) F01D 25/32 (2006.01) F02C 7/06 (2006.01)**
[25] EN
[54] **LUBRICATION SCAVENGE SYSTEM FOR A TURBINE ENGINE WITH COUNTER-ROTATING SHAFTS**
[54] **SYSTEME D'ELIMINATION DE LUBRIFICATION DESTINE A UNE TURBINE DOTE D'ARBRES CONTRAROTATIFS**
[72] LIGHTY, KERRY J., US
[72] BURNSIDE, PHILLIP, US
[71] ROLLS-ROYCE CORPORATION, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[22] 2017-04-21
[41] 2017-10-29
[30] US (62/329,797) 2016-04-29
[30] US (15/493,219) 2017-04-21

[21] **2,965,043**
[13] A1

[51] **Int.Cl. B65H 19/10 (2006.01) B65B 41/10 (2006.01) B65B 41/16 (2006.01) B65H 19/18 (2006.01)**
[25] FR
[54] **BUNDLING FEEDER**
[54] **ALIMENTATION DE FARDELAGE**
[72] CHOPLIN, GREGORY, FR
[71] C.E.R.M.E.X. CONSTRUCTIONS ETUDES ET RECHERCHES DE MATERIELS POUR L'EMBALLAGE D'EXPEDITION, FR
[22] 2017-04-21
[41] 2017-10-29
[30] FR (1653868) 2016-04-29

[21] **2,965,120**
[13] A1

[51] **Int.Cl. G06T 7/20 (2017.01) A61B 5/055 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS TO AUTOMATICALLY DETERMINE THE RELATIONSHIP BETWEEN DATA**
[54] **METHODE ET APPAREIL PERMETTANT DE DETERMINER AUTOMATIQUEMENT LA RELATION ENTRE LES DONNEES**
[72] LEDOUX, LEON, NL
[72] WEIJERS, BAS, BE
[72] ABEN, JEAN-PAUL, NL
[71] PIE MEDICAL IMAGING B.V., NL
[22] 2017-04-25
[41] 2017-11-02
[30] EP (EP16167909.7) 2016-05-02

[21] **2,965,175**
[13] A1

[51] **Int.Cl. B65D 1/36 (2006.01) B65D 21/032 (2006.01)**
[25] EN
[54] **TRAY SYSTEM FOR STACKING LAYERS OF NON-STRUCTURAL BOTTLES**
[54] **SYSTEME DE PLATEAU DESTINE A EMPILER DES COUCHES DE BOUTEILLES NON STRUCTURALES**
[72] THOMPSON, BENJAMIN JOEL, US
[72] HOWE, STEPHEN ROLAND, US
[71] ORBIS CORPORATION, US
[22] 2017-04-25
[41] 2017-10-29
[30] US (62/329,667) 2016-04-29
[30] US (15/495,053) 2017-04-24

[21] **2,965,197**
[13] A1

[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF CONTROLLING DELIVERY OF RETAIL PRODUCTS**
[54] **SYSTEMES ET METHODES DE CONTROLE DE LA DISTRIBUTION DE PRODUITS DE VENTE AU DETAIL**
[72] PUTCHA, SAI PHANEENDRA SRI HARSHA VISWANATH, US
[72] DELPERDANG, GARY J., US
[71] WAL-MART STORES, INC., US
[22] 2017-04-25
[41] 2017-10-29
[30] US (62/329,396) 2016-04-29

[21] **2,965,227**
[13] A1

[51] **Int.Cl. B65D 47/04 (2006.01) B67D 7/36 (2010.01) A61M 5/175 (2006.01) A61M 39/10 (2006.01) A61M 39/22 (2006.01) F16K 17/00 (2006.01)**
[25] EN
[54] **TUBE WITH THROTTLE INSERT**
[54] **TUBE DOTE D'UNE INSERTION DE REGULATEUR**
[72] GEIGER, ANDREAS, CH
[72] EGGENBERG, ANDREAS, CH
[71] HOFFMANN NEOPAC AG, CH
[22] 2017-04-26
[41] 2017-11-03
[30] CH (00585/16) 2016-05-03

[21] **2,965,250**
[13] A1

[51] **Int.Cl. G01D 5/56 (2006.01) E21B 47/13 (2012.01) E21B 47/01 (2012.01) G01H 9/00 (2006.01) G01V 1/16 (2006.01)**
[25] EN
[54] **HYBRID SENSING APPARATUS AND METHOD**
[54] **APPAREIL DE DETECTION HYBRIDE ET METHODE**
[72] VALISHIN, OLEG, FR
[71] SERCEL, FR
[22] 2017-04-24
[41] 2017-11-04
[30] US (15/146,126) 2016-05-04

[21] **2,965,254**
[13] A1

[51] **Int.Cl. F01D 25/18 (2006.01) F01D 25/20 (2006.01) F02C 7/06 (2006.01)**
[25] EN
[54] **RECONFIGURABLE LUBRICATION SYSTEM FOR MULTIPLE POWERTRAIN ORIENTATIONS**
[54] **SYSTEME DE LUBRIFICATION RECONFIGURABLE DESTINE A DES ORIENTATIONS DE GROUPE MOTOPROPULSEUR MULTIPLES**
[72] ROEVER, DOUGLAS M., US
[71] ROLLS-ROYCE CORPORATION, US
[22] 2017-04-26
[41] 2017-10-29
[30] US (62/329,564) 2016-04-29
[30] US (15/481,006) 2017-04-06

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[21] **2,965,292**
[13] A1

[51] **Int.Cl. F01D 25/00 (2006.01) F02C 7/00 (2006.01) G01J 5/00 (2006.01) G01M 15/14 (2006.01)**

[25] EN

[54] **MICRO THERMAL IMAGING SYSTEM FOR TURBINE ENGINES**

[54] **SYSTEME D'IMAGERIE MICROTHERMIQUE DESTINE A DES TURBINES**

[72] WANG, GUANGHUA, US

[72] WETZEL, TODD GARRETT, US

[72] DEES, JASON EDWARD, US

[71] GENERAL ELECTRIC COMPANY, US

[22] 2017-04-27

[41] 2017-10-29

[30] US (15/142,539) 2016-04-29

[21] **2,965,296**
[13] A1

[51] **Int.Cl. F16L 33/22 (2006.01) F16L 33/01 (2006.01)**

[25] EN

[54] **LAY-FLAT HIGH PRESSURE HOSE AND METHOD OF MANUFACTURING SAME**

[54] **TUYAU HAUTE PRESSION POSE A PLAT ET METHODE DE FABRICATION ASSOCIEE**

[72] WARREN, ANTHONY G., CA

[71] WARREN, ANTHONY G., CA

[22] 2017-04-27

[41] 2017-10-29

[30] US (62/329583) 2016-04-29

[21] **2,965,305**
[13] A1

[51] **Int.Cl. H02K 11/20 (2016.01) H02K 11/21 (2016.01) H02K 7/116 (2006.01)**

[25] EN

[54] **SWITCHING DEVICE FOR SWITCHING AN ELECTRIC MOTOR**

[54] **DISPOSITIF DE COMMUTATION DESTINE A LA COMMUTATION D'UN MOTEUR ELECTRIQUE**

[72] LOCK, FRANK, DE

[72] NIEDERER, PATRICK, DE

[72] FLUHR, TOBIAS, DE

[71] LOCK ANTRIEBSTECHNIK GMBH, DE

[22] 2017-04-26

[41] 2017-10-29

[30] DE (10 2016 108 007.1) 2016-04-29

[21] **2,965,392**
[13] A1

[51] **Int.Cl. E05C 19/00 (2006.01)**

[25] EN

[54] **MODULAR LATCH BAR**

[54] **BARRE DE VERROU MODULAIRE**

[72] KOLONIA, ROBERT K., US

[72] KOLONIA, BRIAN J., US

[72] ALUNNI, VICTOR, US

[71] SCRANTON PRODUCTS, INC., US

[22] 2017-04-28

[41] 2017-11-03

[30] US (15/145,271) 2016-05-03

[21] **2,965,413**
[13] A1

[51] **Int.Cl. C10G 49/16 (2006.01)**

[25] EN

[54] **NEW GENERATION EBULLATED-BED REACTOR SYSTEM**

[54] **SYSTEME DE REACTEUR A LIT BOUILLONNANT DE NOUVELLE GENERATION**

[72] COLYAR, JAMES J., US

[71] AXENS, FR

[71] IFP ENERGIES NOUVELLES, FR

[22] 2017-04-26

[41] 2017-10-29

[30] US (15/142,159) 2016-04-29

[21] **2,965,456**
[13] A1

[51] **Int.Cl. E04B 1/24 (2006.01) E04B 1/38 (2006.01) E04B 1/98 (2006.01) E04H 9/02 (2006.01)**

[25] EN

[54] **MOMENT RESISTING BI-AXIAL BEAM-TO-COLUMN JOINT CONNECTION**

[54] **CONNEXION DE JOINT MONTANT-COLONNE BI-AXIALE RESISTANT AU MOMENT**

[72] HOUGHTON, DAVID L., US

[72] HUYNH, QUANG MINH, US

[72] RAFEZY, BEHZAD, US

[72] ADAMS, JARED J., US

[71] MITEK HOLDINGS, INC., US

[22] 2017-04-27

[41] 2017-11-02

[30] US (15/144,414) 2016-05-02

[21] **2,965,624**
[13] A1

[51] **Int.Cl. G07F 11/00 (2006.01) A47F 10/02 (2006.01) A61F 13/84 (2006.01) A61F 13/15 (2006.01)**

[25] EN

[54] **VENDING MACHINE FOR RETAINING AND DISPENSING FEMININE HYGIENE PRODUCTS THROUGH A NOVEL COIN OPERATING APPARATUS**

[54] **MACHINE DISTRIBUTRICE DESTINEE A RETENIR ET DISTRIBUER DES PRODUITS D'HYGIENE FEMININE AU MOYEN D'UN NOUVEL APPAREIL FONCTIONNANT AVEC DES PIECES DE MONNAIE**

[72] MORAD, FRED I., US

[72] CAMP, WILLIAM P., JR., US

[72] BENECKE, ARNOLD G., US

[72] ACOSTA, ROBERT A., US

[71] TRANZONIC COMPANIES, US

[22] 2017-05-01

[41] 2017-11-01

[30] US (15/143,619) 2016-05-01

[30] US (15/338,066) 2016-10-28

[21] **2,965,652**
[13] A1

[51] **Int.Cl. C12N 15/13 (2006.01) C07K 16/24 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **INTERFERON BETA ANTIBODIES**

[54] **ANTICORPS D'INTERFERON BETA**

[72] GULLA, STEFANO V., US

[72] HUARD, CHRISTINE, US

[72] BUHLMANN, JANET ELIZABETH, US

[72] ALMAGRO, JUAN CARLOS, US

[72] KODANGATTIL, SREEKUMAR R., US

[72] GREENBERG, STEVEN A., US

[72] LAVALLIE, EDWARD ROLAND, US

[72] BENNETT, ERIC M., US

[72] MOSYAK, LIDIA, US

[72] HALL, JAMES PERRY, US

[72] COYLE, ANTHONY JOHN, US

[71] PFIZER INC., US

[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US

[22] 2017-04-28

[41] 2017-10-29

[30] US (62/329,327) 2016-04-29

[30] US (62/339,709) 2016-05-20

[30] US (62/483,669) 2017-04-10

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[13] A1

[51] **Int.Cl. F16L 23/18 (2006.01) F16J 15/10 (2006.01)**
[25] EN
[54] **FLANGE SEAL AND SEALING ARRANGEMENT COMPRISING SUCH A FLANGE SEAL**
[54] **JOINT DE BRIDE ET DISPOSITIF D'ETANCHEITE COMPORTANT UN TEL JOINT DE BRIDE**
[72] NAHRWOLD, OLAF, DE
[72] GEUBERT, CHRISTIAN, DE
[72] MENZENHAUER, FRANK, DE
[72] KRITZER, PETER, DE
[72] LAUER, FRANK, DE
[71] CARL FREUDENBERG KG, DE
[22] 2017-05-03
[41] 2017-11-04
[30] DE (10 2016 005 385.2) 2016-05-04

[21] **2,965,760**
[13] A1

[51] **Int.Cl. F04B 47/06 (2006.01) E21B 43/12 (2006.01) E21B 4/00 (2006.01)**
[25] EN
[54] **ROTARY MOTOR DRIVEN RECIPROCATING DOWNHOLE PUMP ASSEMBLY**
[54] **DISPOSITIF DE POMPE DE FOND DE TROU ALTERNATIVE ENTRAINEE PAR UN MOTEUR ROTATIF**
[72] MINISH, SHELDON M., CA
[72] KISER, SCOTT W.W., CA
[72] MORRIS, JOHN R., CA
[71] CJS PRODUCTION TECHNOLOGIES INC., CA
[22] 2017-05-02
[41] 2017-11-02
[30] US (62/330,352) 2016-05-02

[21] **2,965,761**
[13] A1

[51] **Int.Cl. C04B 28/14 (2006.01) C04B 14/14 (2006.01) C04B 14/42 (2006.01) C04B 16/12 (2006.01) C04B 28/02 (2006.01)**
[25] EN
[54] **GYP SUM CEMENT COMPOSITION AND ARTICLES FORMED THEREOF**
[54] **COMPOSITION DE PLATRE ET ARTICLES FORMES DE LADITE COMPOSITION**
[72] MANESH, ALIREZA MOLAEI, CA
[71] MANESH, ALIREZA MOLAEI, CA
[22] 2017-05-01
[41] 2017-11-04
[30] US (62/331,535) 2016-05-04

[21] **2,965,775**
[13] A1

[51] **Int.Cl. E21B 19/16 (2006.01) F16H 1/28 (2006.01)**
[25] EN
[54] **APPARATUS FOR ROTATING AND CLAMPING A TUBULAR**
[54] **APPAREIL PERMETTANT DE FAIRE TOURNER ET DE Pincer UNE TUBULURE**
[72] MCCLURE, MIKE, US
[71] HAWK INDUSTRIES, INC., US
[22] 2017-05-01
[41] 2017-10-29
[30] US (62/329642) 2016-04-29

[21] **2,965,799**
[13] A1

[51] **Int.Cl. B65G 23/44 (2006.01)**
[25] FR
[54] **CONVEYOR BELT WITH BELT TENSION EVALUATION DEVICE**
[54] **CONVOYEUR A BANDE AVEC DISPOSITIF D'EVALUATION DE LA TENSION DE LA BANDE**
[72] BRUNONE, RENE, FR
[71] BRUNONE, RENE, FR
[22] 2017-04-28
[41] 2017-11-03
[30] FR (16 53 983) 2016-05-03

[21] **2,965,833**
[13] A1

[51] **Int.Cl. H02J 50/00 (2016.01) A47B 21/00 (2006.01) A47B 97/00 (2006.01) H02J 3/02 (2006.01) H05K 5/03 (2006.01)**
[25] EN
[54] **ELECTRICAL POWER UNIT WITH WIRELESS CHARGING**
[54] **MODULE D'ALIMENTATION ELECTRIQUE A RECHARGE SANS FIL**
[72] BYRNE, NORMAN R., US
[72] MORROW, NICKOLAS J., US
[71] BYRNE, NORMAN R., US
[22] 2017-05-01
[41] 2017-11-02
[30] US (62/330712) 2016-05-02

[21] **2,965,859**
[13] A1

[51] **Int.Cl. H05K 5/02 (2006.01) H04W 84/18 (2009.01) G04B 37/00 (2006.01) G05D 23/19 (2006.01) H02J 3/02 (2006.01) H04B 5/00 (2006.01) H05B 37/02 (2006.01)**
[25] EN
[54] **INFORMATION DISPLAY AND CONTROL FOR WORK AREAS**
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[72] WARD, JOSEPH D., US
[72] PATE, RANDELL E., US
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[54] **SYSTEME STRUCTUREL DE FACONNAGE DE PANNEAU DE DALLE DE BETON, RENFORCEMENT, ETANCHEISATION DE JOINT ET PROTECTION DE REBORD**

[72] MESSINA, GIANFRANCO, CA
 [72] MESSINA, CLAUDIO, CA
 [71] MESSINA, GIANFRANCO, CA
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 [72] LAUTENBACH, AARON G., US
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 [72] MITCHELL, MARC A., US
 [72] KNAPP, ROBERT L., US
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 [72] MAHER, PETER J., US
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[54] **TEMOIN LUMINEUX D'ETAT DE CONNEXION SANS FIL**

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 [72] MORROW, NICKOLAS J., US
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[54] **DISPOSITIF D'EVACUATION A FERMETURE RAPIDE**

[72] BECK, HAROLD KENT, US
 [72] AHUJA, SANJAY, US
 [71] PF WATERWORKS LP, US
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[54] **BOUCHON D'EVACUATION DE TYPE POUSSEE DESTINE A UNE EVACUATION A FERMETURE RAPIDE**

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 [71] PF WATERWORKS LP, US
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[54] **METHODE ET APPAREIL DE THERAPIE PAR MASSAGE CHAUFFANT**

[72] SMITH, JAMES F., US
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[54] **DISPOSITIFS, SYSTEMES ET METHODES DE REPERAGE DE STRUCTURES CRITIQUES SENSIBLES A LA PRESSION**

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[54] **SYSTEMES DE DETECTION DE LA POSITION D'UN APPAREIL D'IMAGERIE**

[72] HILL, MORGAN L., US
[72] LARSON, ERIC W., US
[72] MANKAR, NIKHIL P., US
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[72] KELLY, BRENDAN, US
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[72] LAW, MATTHEW G., US
[72] MEETHER, STUART L., US
[72] TREFZ, THOMAS G., US
[72] ELLIOTT, MARK, US
[72] BROCKEL, MICHAEL D., US
[72] GLAZIER, RICKY J., US
[72] CHEN, CHELOR, US
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 [54] **REACTEUR ET COLONNE MONTANTE MULTIFONCTIONNELLE ET SIMULATEUR DE COLONNE DESCENDANTE LES INCORPORANT**
 [72] DE LASA, HUGO, CA
 [71] THE UNIVERSITY OF WESTERN ONTARIO, CA
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 [54] **APPAREILS ET METHODES DE LOCALISATION ET DECALAGE D'UN ELEMENT DE CONTROLE D'ECOULEMENT DE FOND DE TROU**
 [72] JOHNSON, TIM, CA
 [72] WERRIES, MICHAEL, CA
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 [72] KOZLOWSKI, ERIC, US
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 [72] GUERRY, BRIAN ROBERT, US
 [72] OGAWA-GARCIA, SYDNEY MARIE, US
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 [54] **A SYSTEM AND METHOD OF COLLECTING ENERGY UTILIZING A MANAGEMENT SYSTEM FOR AN ENERGY COLLECTION DEVICE, FOR COLLECTING, MANAGING, AND DISCHARGING ENERGY**
 [54] **UN SYSTEME ET UNE METHODE DE COLLECTE D'ENERGIE EMPLOYANT UN SYSTEME DE GESTION DESTINE A UN APPAREIL DE COLLECTE D'ENERGIE, SERVANT A COLLECTER, GERER ET EVACUER L'ENERGIE**
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 [72] NESTER, TRAVIS, CA
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[54] **METHODES DE RECUPERATION THERMIQUE SERVANT A RECUPERER DES**

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[72] DORAISWAMY, SRIRAM, US

[72] KHALEDI, RAHMAN, CA

[72] KAMINSKY, ROBERT D., US

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[72] HYNNA, KAI MICHAEL, CA
[72] WOOD, MICHAEL FRANK GUNTER, CA
[72] KUCHNIO, PIOTR, CA
[72] BISMILLA, YUSUF, CA
[72] HOLMES, LACHLAN NOEL, CA
[72] BRIGHT, STEWART, CA
[72] CHEUNG, AARON YU LAI, CA
[72] KUZYK, YURI ALEXANDER, CA
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[72] PARK, CHAN BAE, KR
[72] LEE, SOON JANG, KR
[71] INTELLIGENT SYNTHETIC BIOLOGY CENTER, KR
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[72] VOLCHECK, WILLIAM M., US
[72] SCHAEPE, KATIE, US
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[72] AUBE, TODD, US
[72] BARBIERO, GENNARO, US
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[54] **METHODES DE PREDICTION DE RESULTATS CLINIQUES CHEZ DES SUJETS ATTEINTS D'UNE COLITE ULCEREUSE**
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[21] **2,965,096**
[13] A1

[51] **Int.Cl. A61K 33/26 (2006.01) A61K 31/351 (2006.01) A61P 3/12 (2006.01)**
[25] EN
[54] **DOSAGE REGIMENT OF FERRIC MALTOL**
[54] **SCHEMA POSOLOGIQUE DE MALTOL FERRIQUE**
[72] MALLARD, NICHOLAS, GB
[72] STERRITT, CARL ANDREW, GB
[72] HOWELL, JULIAN DAVID, GB
[71] IRON THERAPEUTICS HOLDINGS AG, CH
[85] 2017-04-19
[86] 2015-10-21 (PCT/IB2015/058115)
[87] (WO2016/063228)
[30] GB (1418710.8) 2014-10-21

[21] **2,965,165**
[13] A1

[51] **Int.Cl. G01N 33/483 (2006.01) G01N 33/52 (2006.01)**
[25] EN
[54] **LIPOPROTEIN PARTICLE NUMBER FROM MEASUREMENTS OF LIPOPROTEIN PARTICLE PHOSPHOLIPID CONCENTRATION IN LIPOPROTEIN PARTICLE MEMBRANE BILAYER**
[54] **NOMBRE DE PARTICULES DE LIPOPROTEINES A PARTIR DE MESURE DE CONCENTRATION DE PHOSPHOLIPIDE DE PARTICULE DE LIPOPROTEINE DANS UNE BICOUCHE DE MEMBRANE DE PARTICULE DE LIPOPROTEINE**
[72] GUADAGNO, PHILIP, US
[72] BELLIN, ERIN GRACE SUMMERS, US
[72] HARRIS, WILLIAM S., US
[72] DEVANUR, DEEPIKA, US
[72] HASSARD, STUART, US
[71] TRUE HEALTH IP LLC, US
[85] 2017-04-19
[86] 2015-10-21 (PCT/US2015/056689)
[87] (WO2016/065021)
[30] US (62/066,593) 2014-10-21
[30] US (62/147,670) 2015-04-15

[21] **2,965,169**
[13] A1

[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF 5-CHLORO-N4-[-2-(DIMETHYLPHOSPHORYL)PHENYL]-N2-{2-METHOXY-4-[4-(4-METHYLPIPERAZIN-1-YL)PIPERIDIN-1-YL]PYRIMIDINE-2,4-DIAMINE**
[54] **FORMES CRISTALLINES DE 5-CHLORO-N4-[-2-(DIMETHYLPHOSPHORYL)PHENYL]-N2 -{2-METHOXY-4-[4-(4-METHYLPIPERAZIN-1-YL) PIPERIDIN-1-YL] PYRIMIDINE-2,4-DIAMINE**
[72] ROZAMUS, LEONARD W., US
[72] SHARMA, PRADEEP, US
[71] ARIAD PHARMACEUTICALS, INC., US
[85] 2017-04-19
[86] 2015-10-21 (PCT/US2015/056701)
[87] (WO2016/065028)
[30] US (62/066,849) 2014-10-21

[21] **2,965,172**
[13] A1

[51] **Int.Cl. G01N 33/483 (2006.01) G01N 33/92 (2006.01)**
[25] EN
[54] **QUANTITATIVE MOLAR CONCENTRATION DETECTION OF SPECIFIC APOLIPOPROTEIN-CONTAINING PARTICLES PRESENT IN BODILY FLUIDS BY USING CAPILLARY ELECTROPHORESIS**
[54] **DETECTION DE CONCENTRATION MOLAIRES QUANTITATIVE DE PARTICULES CONTENANT UNE APOLIPOPROTEINE SPECIFIQUE PRESENTES DANS DES FLUIDES CORPORELS A L'AIDE D'UNE ELECTROPHORESE CAPILLAIRE**
[72] GUADAGNO, PHILIP, US
[72] BELLIN, ERIN GRACE SUMMERS, US
[72] DEVANUR, DEEPIKA, US
[72] HASSARD, STUART, US
[71] TRUE HEALTH IP LLC, US
[85] 2017-04-19
[86] 2015-10-21 (PCT/US2015/056722)
[87] (WO2016/065041)
[30] US (62/066,573) 2014-10-21
[30] US (62/147,665) 2015-04-15

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[21] **2,965,237**
[13] A1

[51] **Int.Cl. A61K 9/48 (2006.01) A61K 9/20 (2006.01) A61K 31/09 (2006.01) A61K 31/192 (2006.01) A61K 31/485 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL CAPSULE CONTAINING AT LEAST TWO TABLETS**

[54] **CAPSULE PHARMACEUTIQUE CONTENANT AU MOINS DEUX COMPRIMES**

[72] AHLGREN, NILS WILLIAM, US
[72] CAVATUR, RAGHU, US
[72] CHEN, KEVIN, US
[72] KASER, MATTHEW JAMES, US
[72] QIU, HONGCHUN, US
[71] RECKITT BENCKISER LLC, US
[85] 2017-04-20
[86] 2015-10-21 (PCT/GB2015/053147)
[87] (WO2016/063055)
[30] US (62/066,536) 2014-10-21

[21] **2,965,256**
[13] A1

[51] **Int.Cl. A61K 31/192 (2006.01) A61K 9/00 (2006.01) A61K 31/09 (2006.01) A61K 31/137 (2006.01) A61K 31/485 (2006.01) A61P 11/00 (2006.01) A61P 11/10 (2006.01) A61P 11/14 (2006.01)**

[25] EN

[54] **NOVEL PHARMACEUTICAL FORMULATION**

[54] **NOUVELLE FORMULATION PHARMACEUTIQUE**

[72] CAVATUR, RAGHU, US
[72] CHEN, KEVIN, US
[72] KASER, MATTHEW JAMES, US
[72] QIU, HONGCHUN, US
[71] RECKITT BENCKISER LLC, US
[85] 2017-04-20
[86] 2015-10-21 (PCT/GB2015/053151)
[87] (WO2016/063057)
[30] US (62/066,532) 2014-10-21
[30] GB (1506755.6) 2015-04-21

[21] **2,965,262**
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 47/69 (2017.01) A61K 9/127 (2006.01) A61K 9/14 (2006.01) A61K 31/4709 (2006.01) A61K 31/506 (2006.01) A61K 47/10 (2017.01) A61K 47/34 (2017.01) A61P 35/00 (2006.01) C07D 401/04 (2006.01)**

[25] EN

[54] **SUBSTITUTED 2,4 DIAMINO-QUINOLINE AS NEW ANTICANCER AGENTS**

[54] **2,4-DIAMINO-QUINOLEINE SUBSTITUEE SERVANT DE NOUVEAUX AGENTS ANTICANCEREUX**

[72] BASSISSI, FIRAS, FR
[72] BERET, ANTOINE, FR
[72] BRUN, SONIA, FR
[72] COURCAMBECK, JEROME, FR
[72] DUBRAY, CLARISSE, FR
[72] NICOLAS, GREGORY, FR
[72] HALFON, PHILIPPE, FR
[71] GENOSCIENCE PHARMA, FR
[85] 2017-04-20
[86] 2015-10-26 (PCT/IB2015/002438)
[87] (WO2016/067112)
[30] US (62/073,325) 2014-10-31

[21] **2,965,347**
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR BOOSTING THE EFFICACY OF ADOPTIVE CELLULAR IMMUNOTHERAPY**

[54] **COMPOSITIONS ET PROCEDES POUR INTENSIFIER L'EFFICACITE DE L'IMMUNOTHERAPIE CELLULAIRE ADOPTIVE**

[72] BERGER, SUSANNA CAROLINA, US
[72] RIDDELL, STANLEY R., US
[71] FRED HUTCHINSON CANCER RESEARCH CENTER, US
[85] 2017-04-20
[86] 2015-10-27 (PCT/US2015/057652)
[87] (WO2016/069647)
[30] US (62/069,168) 2014-10-27

[21] **2,966,288**
[13] A1

[51] **Int.Cl. A61K 38/12 (2006.01) A61K 31/427 (2006.01) A61K 31/69 (2006.01) A61K 38/05 (2006.01) A61K 38/06 (2006.01) A61K 38/08 (2006.01) C07D 303/36 (2006.01)**

[25] EN

[54] **COMBINATION THERAPY**

[54] **POLYTHERAPIE**

[72] MARCH, JOHN BERNARD, GB
[72] CLARK, EWAN MCINTOSH, GB
[71] BIG DNA LTD, GB
[85] 2017-04-28
[86] 2015-10-27 (PCT/GB2015/053215)
[87] (WO2016/067010)
[30] GB (1419311.4) 2014-10-30
[30] GB (1500681.0) 2015-01-15
[30] GB (1506673.1) 2015-04-20

[21] **2,966,314**
[13] A1

[51] **Int.Cl. A61K 35/20 (2006.01) A23C 9/00 (2006.01) A61K 38/17 (2006.01) A61P 25/00 (2006.01)**

[25] EN

[54] **PROLINE-RICH POLYPEPTIDE COMPLEX FOR USE IN TREATMENT OF BDNF-DEPENDENT DISORDERS**

[54] **COMPLEXE POLYPEPTIDE RICHE EN PROLINE DESTINE A ETRE UTILISE DANS LE TRAITEMENT DE TROUBLES LIES AU BDNF**

[72] DOBRZYNSKI, WLODZIMIERZ PIOTR, PL
[72] BEDNAREK, MAGDALENA ANNA, PL
[71] GEO-POLAND SP. Z.O.O., PL
[85] 2017-04-28
[86] 2015-11-02 (PCT/PL2015/000180)
[87] (WO2016/072871)
[30] PL (P.410058) 2014-11-04

PCT Applications Entering the National Phase

[21] **2,966,334**
[13] A1

[51] **Int.Cl. A61K 31/506 (2006.01) A61K 31/437 (2006.01) A61K 31/44 (2006.01) A61P 35/00 (2006.01) G01N 33/48 (2006.01)**

[25] EN

[54] **APILIMOD FOR USE IN THE TREATMENT OF COLORECTAL CANCER**

[54] **APILIMOD POUR UNE UTILISATION DANS LE TRAITEMENT DU CANCER COLORECTAL**

[72] BEEHARRY, NEIL, US
[72] GAYLE, SOPHIA, US
[72] LANDRETTE, SEAN, US
[72] BECKETT, PAUL, US
[72] CONRAD, CHRIS, US
[72] XU, TIAN, US
[72] HERNANDEZ, MARYLENS, US
[72] ROTHBERG, JONATHAN M., US
[72] LICHENSTEIN, HENRI, US
[71] LAM THERAPEUTICS, INC., US
[85] 2017-04-28
[86] 2015-11-06 (PCT/US2015/059526)
[87] (WO2016/073884)
[30] US (62/077,127) 2014-11-07
[30] US (62/115,228) 2015-02-12
[30] US (62/119,540) 2015-02-23

[21] **2,966,356**
[13] A1

[51] **Int.Cl. A61K 31/506 (2006.01) A61K 31/437 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **APILIMOD FOR USE IN THE TREATMENT OF MELANOMA**

[54] **APILIMOD DESTINE A ETRE UTILISE DANS LE TRAITEMENT DU MELANOME**

[72] BEEHARRY, NEIL, US
[72] GAYLE, SOPHIA, US
[72] LANDRETTE, SEAN, US
[72] BECKETT, PAUL, US
[72] CONRAD, CHRIS, US
[72] XU, TIAN, US
[72] ROTHBERG, JONATHAN M., US
[72] LICHENSTEIN, HENRI, US
[71] LAM THERAPEUTICS, INC., US
[85] 2017-04-28
[86] 2015-11-06 (PCT/US2015/059502)
[87] (WO2016/073871)
[30] US (62/077,127) 2014-11-07
[30] US (62/115,228) 2015-02-12
[30] US (62/119,540) 2015-02-23

[21] **2,966,359**
[13] A1

[51] **Int.Cl. A61K 31/506 (2006.01) A61K 31/44 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **APILIMOD FOR USE IN THE TREATMENT OF RENAL CANCER**

[54] **APILIMOD POUR UNE UTILISATION DANS LE TRAITEMENT DU CANCER DES REINS**

[72] BEEHARRY, NEIL, US
[72] GAYLE, SOPHIA, US
[72] LANDRETTE, SEAN, US
[72] BECKETT, PAUL, US
[72] CONRAD, CHRIS, US
[72] XU, TIAN, US
[72] ROTHBERG, JONATHAN M., US
[72] LICHENSTEIN, HENRI, US
[71] LAM THERAPEUTICS, INC., US
[85] 2017-04-28
[86] 2015-11-06 (PCT/US2015/059512)
[87] (WO2016/073877)
[30] US (62/077,127) 2014-11-07

[21] **2,966,362**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **ANTI-CD79B ANTIBODIES AND METHODS OF USE**

[54] **ANTICORPS ANTI-CD79B ET METHODES D'UTILISATION DESDITS ANTICORPS**

[72] SUN, LIPING L., US
[72] CHEN, YVONNE MAN-YEE, US
[72] DENNIS, MARK S., US
[72] EBENS, ALLEN J., JR., US
[72] POLSON, ANDREW, US
[71] GENENTECH, INC., US
[85] 2017-04-28
[86] 2015-12-04 (PCT/US2015/063902)
[87] (WO2016/090210)
[30] US (62/088,487) 2014-12-05

[21] **2,966,363**
[13] A1

[51] **Int.Cl. A61K 35/74 (2015.01) A61P 25/00 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS COMPRISING BACTERIA FOR IMPROVING BEHAVIOR IN NEURODEVELOPMENTAL DISORDERS**

[54] **COMPOSITIONS ET PROCEDES COMPRENANT DES BACTERIES POUR AMELIORER LE COMPORTEMENT DANS LES TROUBLES NEURODEVELOPPEMENTAUX**

[72] HSIAO, ELAINE, US
[72] MCBRIDE, SARA, US
[72] MAZMANIAN, SARKIS K., US
[72] PATTERSON, PAUL H. (DECEASED), US
[71] CALIFORNIA INSTITUTE OF TECHNOLOGY, US
[85] 2017-04-28
[86] 2015-10-28 (PCT/US2015/057897)
[87] (WO2016/069801)
[30] US (62/072,873) 2014-10-30

[21] **2,966,402**
[13] A1

[51] **Int.Cl. C10G 47/20 (2006.01) B01J 29/10 (2006.01) B01J 29/16 (2006.01) B01J 35/10 (2006.01) C01B 39/24 (2006.01) B01J 35/02 (2006.01) B01J 37/20 (2006.01)**

[25] EN

[54] **MIDDLE DISTILLATE HYDROCRACKING CATALYST CONTAINING HIGHLY A STABILIZED Y ZEOLITE WITH ENHANCED ACID SITE DISTRIBUTION**

[54] **CATALYSEUR D'HYDROCRAQUAGE DE DISTILLAT MOYEN CONTENANT UNE ZEOLITE Y HAUTEMENT STABILISEE AYANT UNE DISTRIBUTION AMELIOREE DES SITES ACIDE**

[72] ZHANG, YIHUA, US
[72] MAESEN, THEODORUS LUDOVICUS MICHAEL, US
[72] LACHEEN, HOWARD STEVEN, US
[71] CHEVRON U.S.A. INC., US
[85] 2017-04-28
[86] 2015-07-28 (PCT/US2015/042355)
[87] (WO2016/069071)
[30] US (14/529,794) 2014-10-31

Demandes PCT entrant en phase nationale

[21] **2,966,404**
[13] A1

[51] **Int.Cl. C10G 47/20 (2006.01) B01J 29/14 (2006.01) B01J 35/10 (2006.01)**

[25] EN

[54] **MIDDLE DISTILLATE HYDROCRACKING CATALYST CONTAINING HIGHLY NANOPOROUS STABILIZED Y ZEOLITE**

[54] **CATALYSEUR D'HYDROCRAQUAGE DE DISTILLAT MOYEN CONTENANT UNE ZEOLITE NANOPOREUSE STABILISEE DE TYPE Y A HAUT VOLUME DE NANOPORES**

[72] ZHANG, YIHUA, US

[72] MAESEN, THEODORUS LUDOVICUS MICHAEL, US

[72] LACHEEN, HOWARD STEVEN, US

[71] CHEVRON U.S.A. INC., US

[85] 2017-04-28

[86] 2015-07-28 (PCT/US2015/042361)

[87] (WO2016/069073)

[30] US (14/529,768) 2014-10-31

[21] **2,966,422**
[13] A1

[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/00 (2006.01) A61K 38/16 (2006.01) A61K 38/26 (2006.01) A61K 38/28 (2006.01) A61K 47/28 (2006.01) A61K 47/36 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR BILE ACID PARTICLES**

[54] **COMPOSITIONS ET PROCEDES POUR DES PARTICULES D'ACIDE BILIAIRE**

[72] BAE, YOU HAN, US

[72] LEE, YONG-KYU, KR

[72] NURUNNABI, MD, KR

[72] HWANG, HEE SOOK, US

[72] KWAG, DONGSUB, KR

[71] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US

[71] BAE, YOU HAN, US

[71] LEE, YONG-KYU, KR

[71] NURUNNABI, MD, KR

[71] HWANG, HEE SOOK, US

[71] KWAG, DONGSUB, KR

[85] 2017-04-28

[86] 2015-10-30 (PCT/US2015/058375)

[87] (WO2016/070082)

[30] US (62/073,588) 2014-10-31

[21] **2,966,424**
[13] A1

[51] **Int.Cl. A61L 27/20 (2006.01) A61F 2/00 (2006.01) A61K 8/73 (2006.01) A61L 27/18 (2006.01) A61L 27/50 (2006.01) A61Q 19/08 (2006.01)**

[25] EN

[54] **METHOD FOR IMPROVING DURATION OF EFFECT OF DERMAL FILLER TREATMENT**

[54] **PROCEDE POUR AMELIORER LA DUREE D'EFFET DE TRAITEMENT DE COMPLEMENT DERMIQUE**

[72] MURPHY, DIANE K., US

[72] PARADKAR-MITRAGOTRI, DEEPALI, US

[71] ALLERGAN, INC., US

[85] 2017-04-28

[86] 2015-10-30 (PCT/US2015/058485)

[87] (WO2016/070132)

[30] US (62/073,786) 2014-10-31

[30] US (62/115,705) 2015-02-13

[21] **2,966,523**
[13] A1

[51] **Int.Cl. G01N 33/48 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) G01N 33/574 (2006.01)**

[25] EN

[54] **ASSAYS FOR DETECTING T CELL IMMUNE SUBSETS AND METHODS OF USE THEREOF**

[54] **TESTS DE DETECTION DE SOUS-ENSEMBLES IMMUNITAIRES DE CELLULES T ET LEURS PROCEDES D'UTILISATION**

[72] CHU, FELIX, US

[72] FOREMAN, ODED, US

[72] ZIAI, JAMES, US

[71] GENENTECH, INC., US

[85] 2017-05-01

[86] 2015-11-02 (PCT/US2015/058674)

[87] (WO2016/073378)

[30] US (62/074,594) 2014-11-03

[21] **2,966,592**
[13] A1

[51] **Int.Cl. A61K 47/36 (2006.01) A61K 9/00 (2006.01) A61K 38/13 (2006.01) A61P 27/02 (2006.01)**

[25] EN

[54] **OCULAR DELIVERY OF DRUGS**

[54] **ADMINISTRATION OCULAIRE DE MEDICAMENTS**

[72] UCHEGBU, IJEOMA, GB

[72] SCHATZLEIN, ANDREAS, GB

[72] CAPRETTO, LORENZO, GB

[71] NANOMERICS LTD, GB

[85] 2017-05-02

[86] 2015-11-02 (PCT/GB2015/053291)

[87] (WO2016/071677)

[30] GB (1419540.8) 2014-11-03

[21] **2,966,629**
[13] A1

[51] **Int.Cl. B01J 37/00 (2006.01) B01J 23/883 (2006.01) B01J 27/051 (2006.01) B01J 27/19 (2006.01) B01J 35/10 (2006.01) B01J 37/02 (2006.01) B01J 37/04 (2006.01) B01J 37/08 (2006.01) B01J 37/20 (2006.01) B01J 37/28 (2006.01) C10G 45/08 (2006.01)**

[25] EN

[54] **A SELF-ACTIVATING HYDROPROCESSING CATALYST HAVING ENHANCED ACTIVITY AND SELF-ACTIVATION CHARACTERISTICS AND ITS USE FOR TREATING RESID FEEDSTOCKS**

[54] **CATALYSEUR D'HYDROTRAITEMENT A AUTO-ACTIVATION PRESENTANT UNE ACTIVITE ACCRUE ET DES CARACTERISTIQUES D'AUTO-ACTIVATION, ET SON UTILISATION POUR LE TRAITEMENT DE CHARGES D'ALIMENTATION DE RESIDUS**

[72] BHAN, OPINDER KISHAN, US

[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL

[85] 2017-05-02

[86] 2015-11-04 (PCT/US2015/058964)

[87] (WO2016/073560)

[30] US (62/075,963) 2014-11-06

PCT Applications Entering the National Phase

[21] **2,966,632**
[13] A1

[51] **Int.Cl. A61K 31/439 (2006.01) A61K 31/43 (2006.01) A61P 31/04 (2006.01) C07D 471/08 (2006.01)**

[25] EN

[54] **COMBINATION THERAPY FOR TREATMENT OF RESISTANT BACTERIAL INFECTIONS**

[54] **POLYTHERAPIE POUR LE TRAITEMENT D'INFECTIONS BACTERIENNES RESISTANTES**

[72] DEJONGE, BOUDEWIJN LODEWIJK MARIA, US

[72] DURAND-REVILLE, THOMAS FRANCOIS, US

[72] VERHEIJEN, JEROEN CUNERA, US

[72] TOMMASI, RUBEN, US

[72] MUELLER, JOHN, US

[71] ENTASIS THERAPEUTICS LIMITED, GB

[85] 2017-05-02

[86] 2015-11-17 (PCT/US2015/061076)

[87] (WO2016/081452)

[30] US (62/080,667) 2014-11-17

[21] **2,966,637**
[13] A1

[51] **Int.Cl. A61K 9/72 (2006.01) A61K 9/00 (2006.01) A61K 9/14 (2006.01) A61K 31/436 (2006.01)**

[25] EN

[54] **RAPAMYCIN POWDERS FOR PULMONARY DELIVERY**

[54] **POUDRES DE RAPAMYCINE POUR ADMINISTRATION PULMONAIRE**

[72] LIPP, MICHAEL M., US

[72] KAMERKAR, ABHIJIT, US

[71] CIVITAS THERAPEUTICS, INC., US

[85] 2017-05-02

[86] 2015-11-06 (PCT/US2015/059429)

[87] (WO2016/073836)

[30] US (62/076,651) 2014-11-07

[21] **2,966,646**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 9/00 (2006.01) A61P 27/02 (2006.01)**

[25] EN

[54] **METHODS FOR TREATING OCULAR DISEASES**

[54] **METHODES DE TRAITEMENT DE MALADIES OCULAIRES**

[72] SALLSTIG, PETER, US

[72] SCHMIDT, WERNER, US

[72] GEKKIEVA, MARGARITA, CH

[72] WARBURTON, JAMES, CH

[72] WEICHSELBERGER, ANDREAS, CH

[71] NOVARTIS AG, CH

[85] 2017-05-02

[86] 2015-11-06 (PCT/US2015/059575)

[87] (WO2016/073918)

[30] US (62/076,770) 2014-11-07

[30] US (62/088,061) 2014-12-05

[21] **2,966,742**
[13] A1

[51] **Int.Cl. C07D 495/04 (2006.01) A61K 31/381 (2006.01) A61K 31/4436 (2006.01) A61K 31/5383 (2006.01) A61P 35/00 (2006.01) C07D 495/14 (2006.01) C07D 498/04 (2006.01)**

[25] EN

[54] **HETEROCYCLIC DERIVATIVES AND USE THEREOF**

[54] **DERIVES HETEROCYCLIQUES ET LEUR UTILISATION**

[72] PARK, CHAN HEE, KR

[72] LEE, SANG HWI, KR

[72] IM, JUNHWAN, KR

[72] LEE, SOON OK, KR

[72] KIM, JUNGSOOK, KR

[72] PARK, HEON KYU, KR

[72] YUN, JEE HUN, KR

[72] KO, KWANG SEOK, KR

[72] KIM, HYE JUNG, KR

[72] KIM, BYUNGHO, KR

[72] KIM, MI SUN, KR

[72] KONG, MINJUNG, KR

[72] MOON, HYUNG JO, KR

[71] C&C RESEARCH LABORATORIES, KR

[85] 2017-05-03

[86] 2015-11-30 (PCT/KR2015/012926)

[87] (WO2016/089062)

[30] KR (10-2014-0170860) 2014-12-02

[30] KR (10-2015-0128025) 2015-09-10

[21] **2,966,758**
[13] A1

[51] **Int.Cl. A61K 47/26 (2006.01) A61K 9/08 (2006.01) A61K 39/395 (2006.01) A61K 47/12 (2006.01) A61K 47/14 (2017.01) A61P 27/02 (2006.01) A61K 9/19 (2006.01)**

[25] EN

[54] **STABLE PROTEIN SOLUTION FORMULATION CONTAINING HIGH CONCENTRATION OF AN ANTI-VEGF ANTIBODY**

[54] **FORMULATION DE SOLUTION DE PROTEINES STABLE CONTENANT UNE FORTE CONCENTRATION D'UN ANTICORPS ANTI-VEGF**

[72] ZHANG, HUIXIANG, US

[72] BORING, CHARLES, US

[72] KULSHRESHTHA, ALOK, US

[72] ZENG, YUHONG, US

[72] WAN, LI, US

[72] ALANI, LAMAN, US

[71] NOVARTIS AG, CH

[85] 2017-05-03

[86] 2015-11-06 (PCT/US2015/059571)

[87] (WO2016/073915)

[30] US (62/076,770) 2014-11-07

[30] US (62/088,061) 2014-12-05

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[21] **2,966,759**
[13] A1

[51] **Int.Cl. C07D 333/52 (2006.01) A61K 31/381 (2006.01) A61K 31/4155 (2006.01) A61K 31/4365 (2006.01) A61K 31/4436 (2006.01) A61K 31/4439 (2006.01) A61P 35/00 (2006.01) C07D 209/04 (2006.01) C07D 409/12 (2006.01) C07D 409/14 (2006.01) C07D 495/04 (2006.01)**

[25] EN

[54] **HETEROCYCLIC DERIVATIVES AND USE THEREOF**

[54] **DERIVES HETEROCYCLIQUES ET LEUR UTILISATION**

[72] PARK, CHAN HEE, KR
[72] LEE, SANG HWI, KR
[72] IM, JUNHWAN, KR
[72] LEE, SOON OK, KR
[72] KIM, JONGMIN, KR
[72] KO, KWANG SEOK, KR
[72] KIM, BYUNGHO, KR
[72] KONG, MINJUNG, KR
[72] KIM, MI SUN, KR
[72] MOON, HYUNG JO, KR
[71] C&C RESEARCH LABORATORIES, KR
[85] 2017-05-03
[86] 2015-11-30 (PCT/KR2015/012920)
[87] (WO2016/089060)
[30] KR (10-2014-0170860) 2014-12-02

[21] **2,966,772**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01) C12N 15/113 (2010.01) G01N 33/50 (2006.01)**

[25] EN

[54] **MIR-214 AS A DIAGNOSTIC AND PROGNOSTIC BIOMARKER SPECIFIC FOR ULCERATIVE COLITIS AND A MIR-214 INHIBITOR FOR TREATMENT OF SAME**

[54] **MIR-214 COMME BIOMARQUEUR DE DIAGNOSTIC ET DE PRONOSTIC SPECIFIQUE A LA RECTOCOLITE HEMORRAGIQUE ET INHIBITEUR DE MIR-214 POUR SON TRAITEMENT**

[72] ILIOPOULOS, DIMITRIOS, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2017-05-03
[86] 2015-11-10 (PCT/US2015/059956)
[87] (WO2016/077347)
[30] US (62/077,480) 2014-11-10

[21] **2,966,843**
[13] A1

[51] **Int.Cl. A61K 9/12 (2006.01) A61K 31/192 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01) A61K 47/14 (2017.01) A61P 29/00 (2006.01)**

[25] EN

[54] **SPRAYABLE ANALGESIC COMPOSITIONS**

[54] **COMPOSITIONS ANALGESIQUES PULVERISABLES**

[72] BUYUKTIMKIN, SERVET, US
[72] BUYUKTIMKIN, NADIR, US
[72] YEAGER, JAMES L., US
[71] ACHELIOS THERAPEUTICS, INC., US
[85] 2017-05-04
[86] 2015-11-04 (PCT/US2015/058927)
[87] (WO2016/077111)
[30] US (62/077,581) 2014-11-10

[21] **2,966,879**
[13] A1

[51] **Int.Cl. A61K 31/145 (2006.01) A61P 25/14 (2006.01) A61P 25/28 (2006.01)**

[25] EN

[54] **METHODS OF TREATING HUNTINGTON'S DISEASE USING CYSTEAMINE COMPOSITIONS**

[54] **METHODES DE TRAITEMENT DE LA MALADIE DE HUNTINGTON AU MOYEN DE COMPOSITIONS DE CYSTEAMINE**

[72] RIOUX, PATRICE, US
[71] HORIZON ORPHAN LLC, US
[85] 2017-05-04
[86] 2015-11-05 (PCT/US2015/059239)
[87] (WO2016/073716)
[30] US (62/075,536) 2014-11-05

[21] **2,966,887**
[13] A1

[51] **Int.Cl. C10G 45/50 (2006.01) C10G 65/08 (2006.01)**

[25] EN

[54] **HYDROPROCESSING FOR DISTILLATE PRODUCTION**

[54] **HYDROTRAITEMENT POUR LA PRODUCTION D'UN DISTILLAT**

[72] XU, XIAOCHUN, US
[72] WILSON, KEITH, GB
[72] SOLED, STUART LEON, US
[72] MISEO, SABATO, US
[72] LEVIN, DORON, US
[72] BAUMGARTNER, JOSEPH ERNEST, US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2017-05-04
[86] 2015-11-10 (PCT/US2015/059816)
[87] (WO2016/081218)
[30] US (62/082,273) 2014-11-20
[30] US (62/152,092) 2015-04-24
[30] US (62/152,083) 2015-04-24
[30] US (14/932,232) 2015-11-04
[30] US (14/932,268) 2015-11-04
[30] US (14/932,335) 2015-11-04

[21] **2,966,932**
[13] A1

[51] **Int.Cl. A61K 47/54 (2017.01) A61K 47/68 (2017.01)**

[25] EN

[54] **PROCESS FOR PREPARING CELL-BINDING AGENT-CYTOTOXIC AGENT CONJUGATES**

[54] **PROCEDE DE PREPARATION DE CONJUGUES AGENT DE LIAISON CELLULAIRE-AGENT CYTOTOXIQUE**

[72] HUTCHINS, BENJAMIN M., US
[71] IMMUNOGEN, INC., US
[85] 2017-05-04
[86] 2015-11-18 (PCT/US2015/061310)
[87] (WO2016/081584)
[30] US (62/081,914) 2014-11-19

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[21] **2,967,047**
[13] A1

[51] **Int.Cl. C08G 77/54 (2006.01) C01B 37/00 (2006.01) C10G 25/00 (2006.01)**
[25] EN
[54] **ORGANOSILICA MATERIALS AND USES THEREOF**
[54] **MATERIAUX ORGANOSILICIQUES ET LEURS UTILISATIONS**
[72] PODSIADLO, PAUL, US
[72] LI, QUANCHANG, US
[72] CALABRO, DAVID CHARLES, US
[72] ZHANG, LEI, US
[72] BENITEZ, KIARA M., US
[72] GUPTA, HIMANSHU, US
[72] XU, XIAOCHUN, US
[72] WEIGEL, SCOTT J., US
[72] LACY, DARRYL DONALD, US
[72] KAUL, BAL, US
[72] GLEESON, JAMES WILLIAM, US
[72] LAI, WENYIH FRANK, US
[72] AFEWORKI, MOBAAE, US
[72] WESTON, SIMON CHRISTOPHER, US
[72] GRIFFIN, DAVID A., US
[72] NINES, MEGHAN, US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2017-05-05
[86] 2015-12-11 (PCT/US2015/065208)
[87] (WO2016/094778)
[30] US (62/091,071) 2014-12-12
[30] US (62/091,077) 2014-12-12

[21] **2,967,179**
[13] A1

[51] **Int.Cl. C07C 17/25 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF 1-CHLORO-2,2-DIFLUOROETHANE**
[54] **PROCEDE DE PREPARATION DE 1-CHLORO-2,2-DIFLUOROETHANE**
[72] WENDLINGER, LAURENT, FR
[71] ARKEMA FRANCE, FR
[85] 2017-05-10
[86] 2014-12-11 (PCT/IB2014/003048)
[87] (WO2016/092340)

[21] **2,967,184**
[13] A1

[51] **Int.Cl. A61K 47/54 (2017.01) C12N 15/113 (2010.01) A61K 9/00 (2006.01) A61K 47/34 (2017.01) A61P 31/14 (2006.01)**
[25] EN
[54] **COMBINATION LONG ACTING COMPOSITIONS AND METHODS FOR HEPATITIS C**
[54] **COMPOSITIONS COMBINEES A ACTION PROLONGEE ET METHODES POUR LUTTER CONTRE L'HEPATITE C**
[72] HONG, ZHI, US
[72] LEIVERS, MARTIN R., US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED, GB
[85] 2017-05-10
[86] 2015-10-30 (PCT/IB2015/058423)
[87] (WO2016/075584)
[30] US (62/077,647) 2014-11-10
[30] US (62/077,980) 2014-11-11

[21] **2,967,185**
[13] A1

[51] **Int.Cl. A61K 47/54 (2017.01) C12N 15/113 (2010.01) A61K 9/00 (2006.01) A61K 31/69 (2006.01) A61K 47/34 (2017.01) A61P 31/14 (2006.01)**
[25] EN
[54] **LONG ACTING PHARMACEUTICAL COMPOSITIONS FOR HEPATITIS C**
[54] **COMPOSITIONS PHARMACEUTIQUES A ACTION PROLONGEE CONTRE L'HEPATITE C**
[72] HONG, ZHI, US
[72] LEIVERS, MARTIN R, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED, GB
[85] 2017-05-10
[86] 2015-10-30 (PCT/IB2015/058422)
[87] (WO2016/075583)
[30] US (62/077,647) 2014-11-10
[30] US (62/077,980) 2014-11-11
[30] US (62/092,499) 2014-12-16

[21] **2,967,195**
[13] A1

[51] **Int.Cl. A61K 31/69 (2006.01) C12N 15/113 (2010.01) A61K 9/00 (2006.01) A61K 47/26 (2006.01) A61K 47/34 (2017.01) A61P 31/14 (2006.01)**
[25] EN
[54] **LONG ACTING PHARMACEUTICAL COMPOSITIONS FOR HEPATITIS C**
[54] **COMPOSITIONS PHARMACEUTIQUES A ACTION PROLONGEE POUR L'HEPATITE C**
[72] HONG, ZHI, US
[72] LEIVERS, MARTIN R., US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED, GB
[85] 2017-05-10
[86] 2015-10-30 (PCT/IB2015/058405)
[87] (WO2016/075582)
[30] US (62/077,647) 2014-11-10
[30] US (62/077,980) 2014-11-11
[30] US (62/092,499) 2014-12-16

[21] **2,967,219**
[13] A1

[51] **Int.Cl. A61K 35/747 (2015.01) A61K 35/745 (2015.01) A23L 33/135 (2016.01) A23L 33/21 (2016.01) C12N 1/20 (2006.01)**
[25] EN
[54] **STRAINS OF LACTOBACILLUS OR BIFIDOBACTERIUM FOR MAINTAINING HOMEOSTASIS**
[54] **SOUCHES DE LACTOBACILLUS OU DE BIFIDOBACTERIUM POUR MAINTENIR L'HOMEOSTASIE**
[72] MOGNA, GIOVANNI, IT
[71] PROBIOTICAL S.P.A., IT
[85] 2017-05-10
[86] 2015-11-26 (PCT/IB2015/059146)
[87] (WO2016/084029)
[30] IT (MI2014A002035) 2014-11-26

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<p style="text-align: center;">[21] 2,967,248 [13] A1</p> <p>[51] Int.Cl. C07D 473/18 (2006.01) A61K 31/522 (2006.01) A61P 35/00 (2006.01) A61P 37/08 (2006.01)</p> <p>[25] EN</p> <p>[54] ADENINE DERIVATIVES WHICH ARE USEFUL IN THE TREATMENT OF ALLERGIC DISEASES OR OTHER INFLAMMATORY CONDITIONS</p> <p>[54] DERIVES D'ADENINE UTILES POUR TRAITER DES MALADIES ALLERGIQUES OU D'AUTRES PATHOLOGIES INFLAMMATOIRES</p> <p>[72] BAZIN-LEE, HELENE G., US</p> <p>[72] LI, YUFENG, US</p> <p>[71] GLAXOSMITHKLINE BIOLOGICALS SA, BE</p> <p>[85] 2017-05-10</p> <p>[86] 2015-11-13 (PCT/IB2015/058774)</p> <p>[87] (WO2016/075661)</p> <p>[30] US (62/079,027) 2014-11-13</p>	<p style="text-align: center;">[21] 2,967,284 [13] A1</p> <p>[51] Int.Cl. C08L 5/14 (2006.01) A23L 29/244 (2016.01) A23L 29/256 (2016.01) A23L 29/269 (2016.01) A23L 33/21 (2016.01) A61K 31/723 (2006.01) A61K 31/731 (2006.01) A61K 31/736 (2006.01) A61P 3/00 (2006.01) C08K 3/00 (2006.01) C08K 5/098 (2006.01) C08L 5/00 (2006.01)</p> <p>[25] EN</p> <p>[54] A DIETARY FIBRE COMPOSITION</p> <p>[54] COMPOSITION DE FIBRES ALIMENTAIRES</p> <p>[72] LIM, YEE MAE, MY</p> <p>[72] WONG, PUI EE, MY</p> <p>[72] TAN, MIN PAU, MY</p> <p>[71] INQPHARM GROUP SDN BHD, MY</p> <p>[85] 2017-05-10</p> <p>[86] 2015-11-26 (PCT/MY2015/000099)</p> <p>[87] (WO2016/085322)</p> <p>[30] MY (PI 2014703525) 2014-11-26</p>	<p style="text-align: center;">[21] 2,967,382 [13] A1</p> <p>[51] Int.Cl. C12Q 1/527 (2006.01) C12Q 1/00 (2006.01) C12Q 1/25 (2006.01) C12Q 1/34 (2006.01) G01N 30/86 (2006.01) G01N 33/48 (2006.01) G01N 33/483 (2006.01) G01N 30/72 (2006.01)</p> <p>[25] EN</p> <p>[54] DETERMINATION OF GLYCOSAMINOGLYCAN LEVELS BY MASS SPECTROMETRY</p> <p>[54] DETERMINATION DE NIVEAUX DE GLYCOSAMINOGLYCANE PAR SPECTROMETRIE DE MASSE</p> <p>[72] NAIMY, HICHAM, US</p> <p>[72] QIU, YONGCHANG, US</p> <p>[72] HASLETT, PATRICK ANTHONY JOHN, US</p> <p>[72] BARBIER, ANN, US</p> <p>[71] SHIRE HUMAN GENETIC THERAPIES, INC., US</p> <p>[85] 2017-05-10</p> <p>[86] 2015-11-13 (PCT/US2015/060714)</p> <p>[87] (WO2016/077775)</p> <p>[30] US (62/080,154) 2014-11-14</p>
<p style="text-align: center;">[21] 2,967,268 [13] A1</p> <p>[51] Int.Cl. A61K 31/454 (2006.01) A61P 17/00 (2006.01)</p> <p>[25] EN</p> <p>[54] 3-(PIPERIDIN-4-YL)-ISOXAZOL-3(2H)-ONES FOR TREATMENT OF DERMATOLOGIC DISORDERS</p> <p>[54] 3-(PIPERIDIN-4-YL)-ISOXAZOL-3(2H)-ONES POUR LE TRAITEMENT DE TROUBLES DERMATOLOGIQUES</p> <p>[72] FEX, TOMAS, SE</p> <p>[72] GUSTAFSSON, NILS DAVID, SE</p> <p>[71] EMERITI PHARMA AB, SE</p> <p>[85] 2017-05-10</p> <p>[86] 2015-12-18 (PCT/SE2015/051369)</p> <p>[87] (WO2016/099397)</p> <p>[30] US (62/094,278) 2014-12-19</p>	<p style="text-align: center;">[21] 2,967,368 [13] A1</p> <p>[51] Int.Cl. A61K 39/395 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) G01N 33/574 (2006.01)</p> <p>[25] EN</p> <p>[54] COMBINATION THERAPY COMPRISING OX40 BINDING AGONISTS AND PD-1 AXIS BINDING ANTAGONISTS</p> <p>[54] POLYTHERAPIE COMPRENANT DES AGONISTES SE LIANT A OX40 ET DES ANTAGONISTES SE LIANT A L'AXE PD-1</p> <p>[72] CHEUNG, JEANNE, US</p> <p>[72] HUSENI, MAHRUKH, US</p> <p>[72] KIM, JEONG, US</p> <p>[71] GENENTECH, INC., US</p> <p>[85] 2017-05-10</p> <p>[86] 2015-11-16 (PCT/US2015/060941)</p> <p>[87] (WO2016/081384)</p> <p>[30] US (62/080,991) 2014-11-17</p> <p>[30] US (62/093,400) 2014-12-17</p>	<p style="text-align: center;">[21] 2,967,413 [13] A1</p> <p>[51] Int.Cl. A61K 31/202 (2006.01) A61K 9/10 (2006.01) A61P 27/02 (2006.01)</p> <p>[25] EN</p> <p>[54] STABILIZED OMEGA-3 OPHTHALMIC COMPOSITIONS</p> <p>[54] COMPOSITIONS OPHTALMIQUES A OMEGAS 3 STABILISEES</p> <p>[72] GORE, ANURADHA V., US</p> <p>[72] GIYANANI, JAYA, US</p> <p>[72] LIKITLERSUANG, SUKHON, US</p> <p>[71] ALLERGAN, INC., US</p> <p>[85] 2017-05-10</p> <p>[86] 2015-11-23 (PCT/US2015/062213)</p> <p>[87] (WO2016/085885)</p> <p>[30] US (62/083,980) 2014-11-25</p>

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[21] **2,967,432**
[13] A1

[51] **Int.Cl. A01K 67/027 (2006.01) C12Q 1/00 (2006.01)**
[25] EN
[54] **ANIMAL MODEL FOR DRY EYE AND METHODS OF USE OF SUCH ANIMALS**
[54] **MODELE ANIMAL POUR L'OEIL SEC ET PROCEDES D'UTILISATION DE CES ANIMAUX**
[72] YUAN, MING, US
[72] HU, YING, US
[72] CAO, JINGTAI, US
[72] ROMANO, CARMELO, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2017-05-10
[86] 2015-12-01 (PCT/US2015/063084)
[87] (WO2016/089807)
[30] US (62/086,263) 2014-12-02

[21] **2,967,439**
[13] A1

[51] **Int.Cl. C07D 333/76 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF 4-PHENYLDIBENZOTHIOPHENE**
[54] **PROCEDE DE PREPARATION DE 4-PHENYLDIBENZOTHIOPHENE**
[72] WILLIAMS, ERIC L., US
[72] HOGLEN, DEAN K., US
[71] ALBEMARLE CORPORATION, US
[85] 2017-05-10
[86] 2015-12-01 (PCT/US2015/063237)
[87] (WO2016/094135)
[30] US (62/091,119) 2014-12-12

[21] **2,967,468**
[13] A1

[51] **Int.Cl. C12N 15/864 (2006.01) A61K 48/00 (2006.01) C07K 14/47 (2006.01) C07K 14/705 (2006.01) C12N 15/12 (2006.01)**
[25] EN
[54] **GENE THERAPY FOR JUVENILE BATTEN DISEASE**
[54] **THERAPIE GENIQUE POUR LA MALADIE DE STEINERT JUVENILE**
[72] KIELIAN, TAMMY, US
[72] FOUST, KEVIN, US
[71] BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[85] 2017-05-10
[86] 2015-12-16 (PCT/US2015/066206)
[87] (WO2016/100575)
[30] US (62/092,501) 2014-12-16
[30] US (62/146,793) 2015-04-13

[21] **2,967,602**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 11/02 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING CHRONIC SINUSITIS WITH NASAL POLYPS BY ADMINISTERING AN IL-4R ANTAGONIST**
[54] **METHODES DE TRAITEMENT DE LA SINUSITE CHRONIQUE AVEC POLYPOSE NASALE PAR ADMINISTRATION D'UN ANTAGONISTE D'IL-4R**
[72] MANNENT, LEDA, FR
[72] PIROZZI, GIANLUCA, US
[72] SWANSON, BRIAN N., US
[72] RADIN, ALLEN, US
[72] GANDHI, NAMITA A., US
[72] EVANS, ROBERT, US
[72] HAMILTON, JENNIFER DAVIDSON, US
[71] SANOFI BIOTECHNOLOGY, FR
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2017-05-11
[86] 2015-11-13 (PCT/US2015/060540)
[87] (WO2016/077675)
[30] US (62/080,092) 2014-11-14
[30] US (62/083,821) 2014-11-24
[30] US (62/158,832) 2015-05-08
[30] US (62/199,305) 2015-07-31
[30] EP (15306632.9) 2015-10-14

[21] **2,967,619**
[13] A1

[51] **Int.Cl. A61K 31/225 (2006.01) A61P 21/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **METHODS OF TREATING MULTIPLE SCLEROSIS**
[54] **METHODES DE TRAITEMENT DE LA SCLEROSE EN PLAQUES**
[72] NOVAS, MARK, US
[72] ZHANG, RUI (RAY), US
[71] BIOGEN MA INC., US
[85] 2017-03-16
[86] 2015-11-16 (PCT/US2015/060850)
[87] (WO2016/081355)
[30] US (62/080,783) 2014-11-17
[30] US (62/140,255) 2015-03-30
[30] US (62/232,963) 2015-09-25

[21] **2,967,645**
[13] A1

[51] **Int.Cl. A61K 9/22 (2006.01) A61K 31/225 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL MATRIX FORMULATIONS COMPRISING DIMETHYL FUMARATE**
[54] **FORMULATIONS DE MATRICE PHARMACEUTIQUE COMPRENANT DU FUMARATE DE DIMETHYLE**
[72] KARKI, SHYAM B., US
[72] ZAWANEH, PETER, US
[72] LEUNG, CHEUK-YUI, US
[72] LIN, YIQING, US
[71] BIOGEN MA INC., US
[85] 2017-05-11
[86] 2015-11-19 (PCT/US2015/061448)
[87] (WO2016/081671)
[30] US (62/081,907) 2014-11-19

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[21] **2,967,647**
[13] A1

[51] **Int.Cl. A61K 9/50 (2006.01) A61K 9/16 (2006.01) A61K 31/225 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL BEAD FORMULATIONS COMPRISING DIMETHYL FUMARATE**

[54] **FORMULATION DE BILLE PHARMACEUTIQUE COMPRENANT DU FUMARATE DE DIMETHYLE**

[72] KARKI, SHYAM B., US
[72] ZAWANEH, PETER, US
[72] LEUNG, CHEUK-YUI, US
[72] VASUDEVAN, KALYAN, US
[72] LIN, YIQING, US
[72] XU, JIN, US
[72] TREMENTOZZI, ANDREA, US
[71] BIOGEN MA INC., US
[85] 2017-05-11
[86] 2015-11-19 (PCT/US2015/061456)
[87] (WO2016/081676)
[30] US (62/081,889) 2014-11-19

[21] **2,967,659**
[13] A1

[51] **Int.Cl. A61K 31/428 (2006.01) A61K 9/00 (2006.01) A61K 9/20 (2006.01) A61P 1/02 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **SUBLINGUAL ADMINISTRATION OF RILUZOLE**

[54] **ADMINISTRATION SUBLINGUALE DE RILUZOLE**

[72] CORIC, VLADIMIR, US
[72] BERMAN, ROBERT M., US
[71] BIOHAVEN PHARMACEUTICAL HOLDING COMPANY LTD., US
[85] 2017-05-11
[86] 2015-11-17 (PCT/US2015/061106)
[87] (WO2016/081466)
[30] US (62/083,068) 2014-11-21

[21] **2,967,662**
[13] A1

[51] **Int.Cl. A61K 31/428 (2006.01) A61K 9/00 (2006.01) A61K 9/20 (2006.01) A61P 1/02 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **SUBLINGUAL FORMULATION OF RILUZOLE**

[54] **FORMULATION SUBLINGUALE DE RILUZOLE**

[72] CORIC, VLADIMIR, US
[72] BERMAN, ROBERT M., US
[72] VLADYKA, RONALD SAMUEL, US
[72] SALEH, AMGAD, US
[72] YU, DANNY, US
[71] BIOHAVEN PHARMACEUTICAL HOLDING COMPANY LTD., US
[85] 2017-05-11
[86] 2015-11-17 (PCT/US2015/061114)
[87] (WO2016/081472)
[30] US (62/083,094) 2014-11-21

[21] **2,967,694**
[13] A1

[51] **Int.Cl. C07D 405/06 (2006.01) A61K 31/404 (2006.01) A61K 31/437 (2006.01) A61K 31/5377 (2006.01) A61P 11/00 (2006.01) A61P 13/00 (2006.01) A61P 25/00 (2006.01) C07D 209/42 (2006.01) C07D 403/04 (2006.01) C07D 403/06 (2006.01) C07D 405/04 (2006.01) C07D 405/12 (2006.01) C07D 405/14 (2006.01) C07D 409/12 (2006.01) C07D 409/14 (2006.01) C07D 413/06 (2006.01) C07D 417/12 (2006.01) C07D 471/04 (2006.01)**

[25] EN

[54] **INDOLE AND AZAINDOLES DERIVATIVES AND THEIR USE IN NEURODEGENERATIVE DISEASES**

[54] **DERIVES INDOLIQUES ET AZAINDIQUES ET LEUR UTILISATION DANS LE TRAITEMENT DE MALADIES NEURODEGENERATIVES**

[72] KARRA, SRINIVASA R., US
[71] MERCK PATENT GMBH, DE
[85] 2017-05-11
[86] 2015-12-15 (PCT/US2015/065716)
[87] (WO2016/100281)
[30] US (62/091,855) 2014-12-15
[30] US (62/117,128) 2015-02-17

[21] **2,967,737**
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/415 (2006.01) A61K 31/4245 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/454 (2006.01) A61K 31/4709 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) C07D 231/38 (2006.01) C07D 401/10 (2006.01) C07D 403/10 (2006.01) C07D 403/12 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01) C07D 413/10 (2006.01) C07D 413/14 (2006.01) C07D 417/06 (2006.01) C07D 417/10 (2006.01) C07D 417/14 (2006.01)**

[25] EN

[54] **N-((HET)ARYLMETHYL)-HETEROARYL-CARBOXAMIDES COMPOUNDS AS PLASMA KALLIKREIN INHIBITORS**

[54] **COMPOSES N-((HET)ARYLMETHYL)-HETEROARYL-CARBOXAMIDES EN TANT QU'INHIBITEURS DE KALLIKREINE**

[72] EVANS, DAVID MICHAEL, GB
[72] DAVIE, REBECCA LOUISE, GB
[72] EDWARDS, HANNAH JOY, GB
[72] HODGSON, SIMON TEANBY, GB
[71] KALVISTA PHARMACEUTICALS LIMITED, GB
[85] 2017-05-12
[86] 2015-11-26 (PCT/GB2015/053613)
[87] (WO2016/083818)
[30] GB (1421085.0) 2014-11-27

[21] **2,967,738**
[13] A1

[51] **Int.Cl. A61K 9/42 (2006.01) A61K 9/28 (2006.01) A61K 9/36 (2006.01)**

[25] EN

[54] **COMPOSITION**

[54] **COMPOSITION**

[72] STEVENS, HOWARD NORMAN ERNEST, GB
[72] MULLEN, ALEXANDER BALFOUR, GB
[72] SMITH, DAVID, GB
[72] MACDOUGALL, FIONA JANE, GB
[72] BHARDWAJ, VIVEKANAND, US
[71] DRUG DELIVERY INTERNATIONAL LTD, GB
[85] 2017-05-12
[86] 2015-11-16 (PCT/GB2015/053471)
[87] (WO2016/075495)
[30] GB (1420306.1) 2014-11-14

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[21] **2,967,746**
[13] A1

[51] **Int.Cl. A61K 36/28 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TITRATED EXTRACTS OF CYNARA SCOLYMUS AND USES THEREOF**
[54] **EXTRAITS TITRES DE CYNARA SCOLYMUS ET SES UTILISATIONS**
[72] MERCATI, VALENTINO, IT
[71] ABOCA S.P.A. SOCIETA AGRICOLA, IT
[85] 2017-05-12
[86] 2015-11-24 (PCT/IB2015/059073)
[87] (WO2016/083992)
[30] IT (102014902312096) 2014-11-25

[21] **2,967,749**
[13] A1

[51] **Int.Cl. A61K 36/28 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TITRATED EXTRACTS OF CYNARA SCOLYMUS FOR USE IN THE TREATMENT OF MESOTHELIOMA**
[54] **EXTRAITS TITRES DE CYNARA SCOLYMUS DESTINES AU TRAITEMENT DE MESOTHELIOME**
[72] MERCATI, VALENTINO, IT
[71] ABOCA S.P.A. SOCIETA AGRICOLA, IT
[85] 2017-05-12
[86] 2015-11-24 (PCT/IB2015/059075)
[87] (WO2016/083993)
[30] IT (102014902312096) 2014-11-25

[21] **2,967,769**
[13] A1

[51] **Int.Cl. G01N 27/00 (2006.01) G01N 33/483 (2006.01)**
[25] EN
[54] **DETERMINING THE IDENTITY OF MODIFIED COMPOUNDS**
[54] **DETERMINATION DE L'IDENTITE DE COMPOSES MODIFIES**
[72] LAU, ADAM SAN-HO, CA
[71] DH TECHNOLOGIES DEVELOPMENT PTE. LTD., SG
[85] 2017-05-12
[86] 2015-10-14 (PCT/IB2015/057878)
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[30] US (62/079,048) 2014-11-13

[21] **2,967,820**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **METHODS FOR TUMOR TREATMENT USING CD3XCD20 BISPECIFIC ANTIBODY**
[54] **PROCEDES POUR LE TRAITEMENT DE TUMEURS A L'AIDE DE CD3XCD20 ANTICORPS BISPECIFIQUES**
[72] SMITH, ERIC, US
[72] DAVIS, SAMUEL, US
[72] VARGHESE, BINDU, US
[72] KIRSHNER, JESSICA R., US
[72] THURSTON, GAVIN, US
[72] LOWY, ISRAEL, US
[72] BROWNSTEIN, CARRIE, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2017-05-12
[86] 2015-11-17 (PCT/US2015/061139)
[87] (WO2016/081490)
[30] US (62/080,716) 2014-11-17
[30] US (62/160,788) 2015-05-13

[21] **2,967,828**
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/407 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF PARP INHIBITORS**
[54] **FORMES CRISTALLINES D'INHIBITEURS DE PARP**
[72] BIERLMAIER, STEPHEN J., US
[72] HALTIWANGER, RALPH C., US
[72] JACOBS, MARTIN J., US
[71] CEPHALON, INC., US
[85] 2017-05-12
[86] 2015-11-25 (PCT/US2015/062572)
[87] (WO2016/086080)
[30] US (62/084,652) 2014-11-26

[21] **2,967,842**
[13] A1

[51] **Int.Cl. C12M 1/12 (2006.01) C12M 1/26 (2006.01) C12Q 1/24 (2006.01) G01N 1/28 (2006.01) G01N 1/40 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR ISOLATING TARGET CELLS FROM A FLUID SAMPLE**
[54] **APPAREIL ET PROCEDE POUR ISOLER DES CELLULES CIBLES A PARTIR D'UN ECHANTILLON DE FLUIDE**
[72] DISTEL, ROBERT J., US
[72] CAYRE YVON, FR
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2017-05-12
[86] 2015-12-07 (PCT/US2015/064302)
[87] (WO2016/094315)
[30] US (62/089,058) 2014-12-08

[21] **2,967,853**
[13] A1

[51] **Int.Cl. G01N 33/573 (2006.01) C12Q 1/48 (2006.01) G01N 33/15 (2006.01)**
[25] EN
[54] **ASSAYS FOR BTK INHIBITORS**
[54] **DOSAGES POUR INHIBITEURS DE LA BTK**
[72] BENDER, ANDREW, US
[72] LIU-BUJALSKI, LESLEY, US
[72] PEREIRA, ALBERTINA, US
[72] CALDWELL, RICHARD D., US
[72] GRENNINGLOH, ROLAND, US
[72] XU, DAIGEN, US
[71] MERCK PATENT GMBH, DE
[85] 2017-05-12
[86] 2015-12-10 (PCT/US2015/064939)
[87] (WO2016/094628)
[30] US (62/090,648) 2014-12-11

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[51] Int.Cl. G01N 33/48 (2006.01) G01N 33/483 (2006.01) G01N 33/574 (2006.01)	[51] Int.Cl. C07D 401/14 (2006.01) A61K 31/4155 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/4709 (2006.01) A61K 31/497 (2006.01) A61K 31/506 (2006.01) A61K 31/538 (2006.01) C07D 231/14 (2006.01) C07D 401/06 (2006.01) C07D 401/10 (2006.01) C07D 401/12 (2006.01) C07D 403/10 (2006.01) C07D 403/14 (2006.01) C07D 409/14 (2006.01) C07D 413/14 (2006.01)	[51] Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)
[25] EN	[25] EN	[25] EN
[54] METHODS FOR DETECTION AND TREATMENT OF COLORECTAL CANCER	[54] N-((HET)ARYLMETHYL)-HETEROARYL-CARBOXAMIDES COMPOUNDS AS PLASMA KALLIKREIN INHIBITORS	[54] CRYSTALLINE FORM OF (S)-N-(5-((R)-2-(2,5-DIFLUOROPHENYL)-PYRROLIDIN-1-YL)-PYRAZOLO[1,5-A]PYRIMIDIN-3-YL)-3-HYDROXYPYRROLIDINE-1-CARBOXAMIDE HYDROGEN SULFATE
[54] PROCEDES POUR LA DETECTION ET LE TRAITEMENT D'UN CANCER COLORECTAL	[54] COMPOSES N-((HET)ARYLMETHYL)-HETEROARYL-CARBOXAMIDES COMME INHIBITEURS DE LA KALLIKREINE PLASMATIQUE	[54] FORME CRISTALLINE D'HYDROGENOSULFATE DE (S)-N-(5-((R)-2-(2,5-DIFLUOROPHENYL)-PYRROLIDIN-1-YL)-PYRAZOLO[1,5-A]PYRIMIDIN-3-YL)-3-HYDROXYPYRROLIDINE-1-CARBOXAMIDE
[72] IVANCIC, MELANIE MAE, US	[72] DAVIE, REBECCA LOUISE, GB	[72] ARRIGO, ALISHA B., US
[72] SUSSMAN, MICHAEL RICHARD, US	[72] EDWARDS, HANNAH JOY, GB	[72] JUENGST, DERRICK, US
[72] DOVE, WILLIAM FRANKLIN, US	[72] EVANS, DAVID MICHAEL, GB	[72] SHAH, KHALID, US
[72] IRVING, AMY ANN, US	[72] HODGSON, SIMON TEANBY, GB	[71] ARRAY BIOPHARMA, INC., US
[72] PLEIMAN, JENNIFER KATHLEEN, US	[71] KALVISTA PHARMACEUTICALS LIMITED, GB	[85] 2017-05-15
[72] HUTTLIN, EDWARD LEO, US	[85] 2017-05-15	[86] 2015-11-16 (PCT/US2015/060953)
[72] CHEN, XIAODI, US	[86] 2015-11-26 (PCT/GB2015/053615)	[87] (WO2016/077841)
[72] HEGEMAN, ADRIAN DANIEL, US	[87] (WO2016/083820)	[30] US (62/080,374) 2014-11-16
[72] REICHELDERFER, MARK, US	[30] GB (1421083.5) 2014-11-27	[30] US (62/169,545) 2015-06-01
[72] KENNEDY, GREGORY D., US		
[72] PICKHARDT, PERRY J., US		
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US		
[85] 2017-05-12		
[86] 2015-12-10 (PCT/US2015/065049)		
[87] (WO2016/094692)		
[30] US (62/090,800) 2014-12-11		
[21] 2,967,899 [13] A1	[21] 2,967,899 [13] A1	[21] 2,967,952 [13] A1
[51] Int.Cl. A61K 9/00 (2006.01) A61K 31/5575 (2006.01) A61P 9/12 (2006.01)	[51] Int.Cl. A61K 9/00 (2006.01) A61K 31/5575 (2006.01) A61P 9/12 (2006.01)	[51] Int.Cl. A61K 35/74 (2015.01) A61P 1/12 (2006.01)
[25] EN	[25] EN	[25] EN
[54] PRESERVATIVE-FREE TREPASTINIL FORMULATIONS AND METHODS AND DEVICES FOR USE WITH SAME	[54] FORMULATIONS DE TREPASTINIL EXEMPTES DE CONSERVATEUR ET PROCEDES ET DISPOSITIFS S'UTILISANT AVEC CELLES-CI	[54] PROCESS FOR THE THERAPEUTIC MANAGEMENT OF DIARRHEA PREDOMINANT IRRITABLE BOWEL SYNDROME USING BACILLUS COAGULANS SBC37-01, MTCC 5856
[54] FORMULATIONS DE TREPASTINIL EXEMPTES DE CONSERVATEUR ET PROCEDES ET DISPOSITIFS S'UTILISANT AVEC CELLES-CI	[54] PROCEDE DE TRAITEMENT THERAPEUTIQUE DU SYNDROME DU COLON IRRITABLE A PREDOMINANCE DIARRHEIQUE AU MOYEN DU BACILLUS COAGULANS SBC37-01, MTCC 5856	[54] PROCEDE DE TRAITEMENT THERAPEUTIQUE DU SYNDROME DU COLON IRRITABLE A PREDOMINANCE DIARRHEIQUE AU MOYEN DU BACILLUS COAGULANS SBC37-01, MTCC 5856
[72] RIGBY, JONATHAN, US	[72] RIGBY, JONATHAN, US	[72] MAJEED, MUHAMMED, US
[72] NOYMER, PETER, US	[72] NOYMER, PETER, US	[72] NAGABHUSHANAM, KALYANAM, US
[72] ZWOLINSKI, ROBERT, US	[72] ZWOLINSKI, ROBERT, US	[72] VAIDYANATHAN, PRITI, IN
[71] STEADYMED LTD, IL	[71] STEADYMED LTD, IL	[72] ARUMUGAM, SIVAKUMAR, IN
[85] 2017-05-15	[85] 2017-05-15	[72] KARRI, SURESH, IN
[86] 2015-11-15 (PCT/IL2015/051098)	[86] 2015-11-15 (PCT/IL2015/051098)	[72] SANKARAN, NATARAJAN, IN
[87] (WO2016/088119)	[87] (WO2016/088119)	[71] SAMI LABS LIMITED, IN
[30] US (62/086,731) 2014-12-03	[30] US (62/086,731) 2014-12-03	[85] 2017-05-19
		[86] 2016-01-07 (PCT/US2016/012409)
		[87] (2967952)

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[21] **2,967,971**
[13] A1

[51] **Int.Cl. C10B 29/02 (2006.01) F27D 1/04 (2006.01)**
[25] EN
[54] **COKE OVEN CORBEL STRUCTURES AND METHODS OF FORMING THE SAME**
[54] **STRUCTURES A ENCORBELLEMENT D'UN FOUR A COKE ET PROCEDES DE FORMATION ASSOCIE**
[72] BOWSER, ALAN E., JR., US
[71] FOSBEL, INC., US
[85] 2017-05-15
[86] 2015-11-20 (PCT/US2015/061844)
[87] (WO2016/081827)
[30] US (62/082,922) 2014-11-21

[21] **2,968,029**
[13] A1

[51] **Int.Cl. C07D 471/18 (2006.01) A61K 31/551 (2006.01)**
[25] EN
[54] **SUBSTITUTED BRIDGED UREA ANALOGS AS SIRTUIN MODULATORS**
[54] **ANALOGUES DE L'UREE SUBSTITUES ET PONTES EN TANT QUE MODULATEURS DE LA SIRTUINE**
[72] ELLIS, JAMES LAMOND, US
[72] EVANS, KAREN ANDERSON, US
[72] FOX, RYAN MICHAEL, US
[72] MILLER, WILLIAM HENRY, US
[72] SEEFELD, MARK ANDREW, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED, GB
[85] 2017-05-16
[86] 2015-11-19 (PCT/IB2015/058978)
[87] (WO2016/079710)
[30] US (62/081,916) 2014-11-19

[21] **2,968,030**
[13] A1

[51] **Int.Cl. C07D 487/18 (2006.01) A61K 31/529 (2006.01) A61K 31/5377 (2006.01) A61K 31/551 (2006.01) A61P 3/10 (2006.01) A61P 17/06 (2006.01)**
[25] EN
[54] **SUBSTITUTED BRIDGED UREA ANALOGS AS SIRTUIN MODULATORS**
[54] **ANALOGUES DE L'UREE SUBSTITUES ET PONTES EN TANT QUE MODULATEURS DE LA SIRTUINE**
[72] ELLIS, JAMES LAMOND, US
[72] EVANS, KAREN ANDERSON, US
[72] FOX, RYAN MICHAEL, US
[72] MILLER, WILLIAM HENRY, US
[72] SEEFELD, MARK ANDREW, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED, GB
[85] 2017-05-16
[86] 2015-11-19 (PCT/IB2015/058981)
[87] (WO2016/079712)
[30] US (62/081,916) 2014-11-19

[21] **2,968,032**
[13] A1

[51] **Int.Cl. C07D 487/18 (2006.01) A61K 31/4995 (2006.01) A61K 31/506 (2006.01)**
[25] EN
[54] **SUBSTITUTED BRIDGED UREA ANALOGS AS SIRTUIN MODULATORS**
[54] **ANALOGUES D'UREE PONTES SUBSTITUES EN TANT QUE MODULATEURS DE SIRTUINE**
[72] ELLIS, JAMES LAMOND, US
[72] EVANS, KAREN ANDERSON, US
[72] FOX, RYAN MICHAEL, US
[72] MILLER, WILLIAM HENRY, US
[72] SEEFELD, MARK ANDREW, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED, GB
[85] 2017-05-16
[86] 2015-11-19 (PCT/IB2015/058980)
[87] (WO2016/079711)
[30] US (62/081,916) 2014-11-19

[21] **2,968,046**
[13] A1

[51] **Int.Cl. A61K 47/20 (2006.01) A61K 9/00 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01) A61K 47/18 (2017.01) A61K 47/22 (2006.01)**
[25] EN
[54] **TRANSDERMAL FORMULATIONS**
[54] **FORMULATIONS TRANSDERMiques**
[72] HOFFMAN, STEVEN, US
[71] HOFFMAN, STEVEN, US
[85] 2017-05-16
[86] 2015-12-23 (PCT/US2015/000302)
[87] (WO2016/105530)
[30] US (62/096,148) 2014-12-23

[21] **2,968,060**
[13] A1

[51] **Int.Cl. C07C 333/04 (2006.01) A61K 47/20 (2006.01) C07C 323/60 (2006.01) C07C 333/10 (2006.01) C07J 31/00 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **IONIZABLE CATIONIC LIPID FOR RNA DELIVERY**
[54] **LIPIDE CATIONIQUE IONISABLE POUR L'ADMINISTRATION D'ARN**
[72] PAYNE, JOSEPH E., US
[72] CHIVUKULA, PADMANABH, US
[71] ARCTURUS THERAPEUTICS, INC., US
[85] 2017-05-16
[86] 2015-05-11 (PCT/US2015/030218)
[87] (WO2016/081029)
[30] US (14/546,105) 2014-11-18
[30] US (14/707,876) 2015-05-08
[30] US (14/707,796) 2015-05-08

[21] **2,968,063**
[13] A1

[51] **Int.Cl. C10G 59/02 (2006.01)**
[25] EN
[54] **PROCESS FOR REDUCING THE BENZENE CONTENT OF GASOLINE**
[54] **PROCEDE DE REDUCTION DE LA TENEUR EN BENZENE DE L'ESSENCE**
[72] HWANG, SHYH-YUAN HENRY, US
[72] MOY, J. ERIK, US
[71] BADGER LICENSING LLC, US
[85] 2017-05-16
[86] 2015-11-24 (PCT/US2015/062274)
[87] (WO2016/085908)
[30] US (62/084,158) 2014-11-25
[30] US (62/165,310) 2015-05-22

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[21] **2,968,104**
[13] A1

[51] **Int.Cl. A61K 31/718 (2006.01) A61L 26/00 (2006.01) A61P 7/04 (2006.01) A61P 17/02 (2006.01) A61P 41/00 (2006.01)**

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[54] **FLOWABLE HEMOSTATIC COMPOSITION**

[54] **COMPOSITION HEMOSTATIQUE FLUIDIFIABLE**

[72] SANDERS, PAUL, US

[72] FULGHUM, TIMOTHY MICHAEL, US

[72] BARRY, JOHN J., US

[71] BAXTER INTERNATIONAL INC., US

[71] BAXTER HEALTHCARE SA, CH

[85] 2017-05-16

[86] 2015-12-18 (PCT/US2015/066767)

[87] (WO2016/100861)

[30] US (62/094,578) 2014-12-19

[21] **2,968,130**
[13] A1

[51] **Int.Cl. G01N 30/06 (2006.01) G01N 33/15 (2006.01)**

[25] EN

[54] **PROCESS OF CONDUCTING HIGH THROUGHPUT TESTING HIGH PERFORMANCE LIQUID CHROMATOGRAPHY**

[54] **PROCEDE POUR EFFECTUER UNE CHROMATOGRAPHIE LIQUIDE HAUTE PERFORMANCE POUR UN TEST A HAUT RENDEMENT**

[72] BORSJE, ERIC, US

[72] RASMUSSEN, HENRIK TORSTHOLM, US

[71] VERTEX PHARMACEUTICALS INCORPORATED, US

[85] 2017-05-16

[86] 2015-11-18 (PCT/US2015/061264)

[87] (WO2016/081556)

[30] US (62/081,181) 2014-11-18

[21] **2,969,554**
[13] A1

[51] **Int.Cl. A61B 17/94 (2006.01) A61B 10/04 (2006.01) A61B 17/34 (2006.01)**

[25] EN

[54] **TUMOR STABILIZING APPARATUS FOR A MEDICAL PROCEDURE**

[54] **APPAREIL DE STABILISATION DE TUMEUR POUR ACTE MEDICAL**

[72] WITCOMB, NEIL, CA

[72] RICHMOND, JOSHUA, CA

[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB

[85] 2017-06-02

[86] 2014-12-03 (PCT/CA2014/051163)

[87] (WO2016/086284)

[21] **2,970,655**
[13] A1

[51] **Int.Cl. A61K 47/10 (2017.01) A61K 31/567 (2006.01)**

[25] EN

[54] **USE OF SUGAR-ALCOHOLS IN TIBOLONE COMPOSITIONS**

[54] **UTILISATION D'ALCOOLS GLUCIDIQUES DANS LES COMPOSITIONS DE TIBOLONE**

[72] JASPART, SEVERINE, BE

[71] MITHRA PHARMACEUTICALS S.A., BE

[85] 2017-06-13

[86] 2017-05-04 (PCT/EP2017/060676)

[87] (2970655)

[30] EP (16168390.9) 2016-05-04

[21] **2,972,620**
[13] A1

[51] **Int.Cl. A61B 17/12 (2006.01) A61F 2/07 (2013.01) A61F 2/95 (2013.01) A61B 17/00 (2006.01)**

[25] EN

[54] **MICROGRAFT FOR THE TREATMENT OF INTRACRANIAL ANEURYSMS AND METHOD FOR USE**

[54] **MICROGREFFE POUR LE TRAITEMENT D'ANEVRISMES INTRACRANIENS ET PROCEDE D'UTILISATION**

[72] HEBERT, STEPHEN J., US

[72] BOJANOWSKI, BARTOSZ, US

[71] NEUROGAMI MEDICAL, INC., US

[85] 2017-06-28

[86] 2016-01-15 (PCT/US2016/013638)

[87] (WO2016/118420)

[30] US (62/105,648) 2015-01-20

[21] **2,974,617**
[13] A1

[51] **Int.Cl. E21F 1/00 (2006.01) E21F 1/04 (2006.01) E21F 1/06 (2006.01) E21F 1/08 (2006.01) E21F 3/00 (2006.01) F16L 9/22 (2006.01)**

[25] EN

[54] **UNDERGROUND VENTILATION APPARATUS AND METHOD**

[54] **APPAREIL DE VENTILATION SOUTERRAIN ET PROCEDE**

[72] IANNI, JOSEPH, AU

[71] POLYVENT PTY LTD, AU

[85] 2017-07-20

[86] 2016-01-22 (PCT/AU2016/050033)

[87] (WO2016/115605)

[30] AU (2015900200) 2015-01-23

[21] **2,976,332**
[13] A1

[51] **Int.Cl. B01D 39/18 (2006.01) B01D 39/02 (2006.01) B01D 39/16 (2006.01)**

[25] EN

[54] **FILTER MEDIUM AND FILTERS MADE THEREFROM**

[54] **MILIEU FILTRANT ET FILTRES COMPRENANT CELUI-CI**

[72] NONNI, ARTHUR J., US

[72] COURCHENE, CHARLES E., US

[72] SLONE, CHRISTOPHER M., US

[71] GP CELLULOSE GMBH, CH

[85] 2017-08-10

[86] 2016-02-09 (PCT/US2016/017217)

[87] (WO2016/130596)

[30] US (62/114,481) 2015-02-10

[21] **2,976,573**
[13] A1

[51] **Int.Cl. A61B 34/20 (2016.01) A61B 34/10 (2016.01) G06T 7/30 (2017.01)**

[25] EN

[54] **METHODS FOR IMPROVING PATIENT REGISTRATION**

[54] **METHODES DESTINEES A L'AMELIORATION DE L'ADMISSION DES PATIENTS**

[72] LUI, DOROTHY, CA

[72] SELA, GAL, CA

[72] SIAL, AISHA, CA

[72] MOVAGHATI, SEPIDE, CA

[72] SRIMOHANARAJAH, KIRUSHA, CA

[72] CHEN, SEAN, CA

[72] ALEXANDER, SIMON, CA

[72] WITCOMB, NEIL, CA

[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB

[85] 2017-08-17

[86] 2016-05-02 (PCT/CA2016/050506)

[87] (2976573)

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[21] 2,977,623 [13] A1	[21] 2,977,627 [13] A1	[21] 2,977,628 [13] A1
[51] Int.Cl. H03M 13/11 (2006.01) H03M 13/15 (2006.01) H03M 13/27 (2006.01)	[51] Int.Cl. H03M 13/11 (2006.01) H03M 13/15 (2006.01) H03M 13/27 (2006.01) H04L 1/22 (2006.01) H04L 27/34 (2006.01)	[51] Int.Cl. H03M 13/11 (2006.01) H03M 13/27 (2006.01) H04L 1/22 (2006.01)
[25] EN	[25] EN	[25] EN
[54] ZERO PADDING APPARATUS FOR ENCODING VARIABLE-LENGTH SIGNALING INFORMATION AND ZERO PADDING METHOD USING SAME	[54] PARITY PUNCTURING DEVICE FOR FIXED-LENGTH SIGNALING INFORMATION ENCODING, AND PARITY PUNCTURING METHOD USING SAME	[54] PARITY INTERLEAVING APPARATUS FOR ENCODING VARIABLE-LENGTH SIGNALING INFORMATION AND PARITY INTERLEAVING METHOD USING SAME
[54] APPAREIL DE REMPLISSAGE PAR DES ZEROS PERMETTANT DE CODER DES INFORMATIONS DE SIGNALISATION DE LONGUEUR VARIABLE, ET PROCEDE DE REMPLISSAGE PAR DES ZEROS UTILISANT CET APPAREIL	[54] DISPOSITIF DE PERFORATION DE PARITE POUR LE CODAGE D'INFORMATIONS DE SIGNALISATION DE LONGUEUR FIXE ET PROCEDE DE PERFORATION DE PARITE FAISANT APPEL A CELUI-CI	[54] APPAREIL D'ENTRELACEMENT DE PARITE POUR CODAGE D'INFORMATIONS DE SIGNALISATION DE LONGUEUR VARIABLE, ET PROCEDE D'ENTRELACEMENT DE PARITE UTILISANT CELUI-CI
[72] PARK, SUNG-IK, KR	[72] PARK, SUNG-IK, KR	[72] PARK, SUNG-IK, KR
[72] KWON, SUN-HYOUNG, KR	[72] KWON, SUN-HYOUNG, KR	[72] KWON, SUN-HYOUNG, KR
[72] LEE, JAE-YOUNG, KR	[72] LEE, JAE-YOUNG, KR	[72] LEE, JAE-YOUNG, KR
[72] KIM, HEUNG-MOOK, KR	[72] LEE, JAE-YOUNG, KR	[72] LEE, JAE-YOUNG, KR
[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR	[72] KIM, HEUNG-MOOK, KR	[72] KIM, HEUNG-MOOK, KR
[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR	[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR	[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[85] 2017-08-23	[85] 2017-08-23	[85] 2017-08-23
[86] 2016-02-23 (PCT/KR2016/001758)	[86] 2016-02-25 (PCT/KR2016/001875)	[86] 2016-02-25 (PCT/KR2016/001878)
[87] (WO2016/137205)	[87] (WO2016/137253)	[87] (WO2016/137254)
[30] KR (10-2015-0028063) 2015-02-27	[30] KR (10-2015-0028062) 2015-02-27	[30] KR (10-2015-0028064) 2015-02-27
[30] KR (10-2016-0020867) 2016-02-22	[30] KR (10-2015-0031949) 2015-03-06	[30] KR (10-2016-0020854) 2016-02-22
	[30] KR (10-2016-0020852) 2016-02-22	

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[21] **2,977,629**
[13] A1

[51] **Int.Cl. H03M 13/11 (2006.01) H03M 13/15 (2006.01) H03M 13/27 (2006.01) H04L 1/22 (2006.01) H04L 27/34 (2006.01)**

[25] EN

[54] **PARITY PUNCTURING DEVICE FOR VARIABLE-LENGTH SIGNALING INFORMATION ENCODING, AND PARITY PUNCTURING METHOD USING SAME**

[54] **DISPOSITIF DE PERFORATION DE PARITE POUR CODAGE D'INFORMATIONS DE SIGNALISATION DE LONGUEUR VARIABLE, ET PROCEDE DE PERFORATION DE PARITE L'UTILISANT**

[72] PARK, SUNG-IK, KR
[72] KWON, SUN-HYOUNG, KR
[72] LEE, JAE-YOUNG, KR
[72] KIM, HEUNG-MOOK, KR
[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR

[85] 2017-08-23
[86] 2016-02-25 (PCT/KR2016/001879)
[87] (WO2016/137255)
[30] KR (10-2015-0028065) 2015-02-27
[30] KR (10-2016-0020849) 2016-02-22

[21] **2,977,781**
[13] A1

[51] **Int.Cl. H05B 37/02 (2006.01)**

[25] EN

[54] **ACTIVE DAMPING CIRCUIT**

[54] **CIRCUIT D'AMORTISSEMENT ACTIF**

[72] WEI, JINSHENG, US
[72] JOHNSEN, ANDREW, US
[72] JAYABALAN, RANJIT, US
[72] KUMAR, NITIN, DE
[71] OSRAM SYLVANIA INC., US

[85] 2017-08-24
[86] 2016-02-25 (PCT/US2016/019656)
[87] (WO2016/138319)
[30] US (62/120,646) 2015-02-25

[21] **2,977,783**
[13] A1

[51] **Int.Cl. H05B 37/02 (2006.01)**

[25] EN

[54] **ACTIVE DAMPING CIRCUIT**

[54] **CIRCUIT D'AMORTISSEMENT ACTIF**

[72] WEI, JINSHENG, US
[72] JOHNSEN, ANDREW, US
[72] JAYABALAN, RANJIT, US
[72] KUMAR, NITIN, DE
[71] OSRAM SYLVANIA INC., US

[85] 2017-08-24
[86] 2016-02-25 (PCT/US2016/019659)
[87] (WO2016/138321)
[30] US (62/120,646) 2015-02-25

[21] **2,977,788**
[13] A1

[51] **Int.Cl. H01H 59/00 (2006.01) B81B 3/00 (2006.01) H01H 1/26 (2006.01)**

[25] EN

[54] **ELECTROMECHANICAL SYSTEM SUBSTRATE ATTACHMENT FOR REDUCED THERMAL DEFORMATION**

[54] **FIXATION DE SUBSTRAT DE SYSTEME ELECTROMECHANIQUE POUR PERMETTRE UNE DEFORMATION THERMIQUE REDUITE**

[72] AIMI, MARCO FRANCESCO, US
[72] LIN, YIZHEN, US
[71] GENERAL ELECTRIC COMPANY, US

[85] 2017-08-24
[86] 2016-02-02 (PCT/US2016/016075)
[87] (WO2016/140752)
[30] US (14/634,981) 2015-03-02

[21] **2,977,855**
[13] A1

[51] **Int.Cl. H02K 21/24 (2006.01) H02K 16/00 (2006.01)**

[25] EN

[54] **DISC ROTOR- AND AXIAL FLUX-TYPE ROTATING ELECTRIC MACHINE**

[54] **MACHINE ELECTRIQUE ROTATIVE DE TYPE A ROTORS A DISQUES ET A FLUX AXIAL**

[72] BOTTCHEER, OLAF, DE
[71] BOTTCHEER, OLAF, DE

[85] 2017-08-25
[86] 2016-02-25 (PCT/DE2016/100082)
[87] (WO2016/134702)
[30] DE (10 2015 102 804.2) 2015-02-26

[21] **2,977,858**
[13] A1

[51] **Int.Cl. H01L 21/02 (2006.01) H01L 29/12 (2006.01) H01L 49/02 (2006.01) H05B 3/10 (2006.01)**

[25] EN

[54] **ROOM TEMPERATURE METHOD FOR THE PRODUCTION OF ELECTROTECHNICAL THIN LAYERS, THE USE OF SAME, AND A THIN LAYER HEATING SYSTEM OBTAINED IN THIS MANNER**

[54] **PROCEDE A TEMPERATURE AMBIANTE DE FABRICATION DE COUCHES MINCES ELECTROTECHNIQUES, LEUR UTILISATION ET DISPOSITIF DE CHAUFFAGE A COUCHE MINCE AINSI OBTENU**

[72] LINDER, PATRICK, DE
[72] LINDER, DANIEL, DE
[71] DYNAMIC SOLAR SYSTEMS AG, DE

[85] 2017-08-25
[86] 2016-02-26 (PCT/DE2016/100085)
[87] (WO2016/134705)
[30] DE (10 2015 102 801.8) 2015-02-26
[30] DE (10 2015 015 435.4) 2015-12-02

[21] **2,977,863**
[13] A1

[51] **Int.Cl. H01L 21/02 (2006.01) H01L 29/12 (2006.01) H01L 49/02 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING ELECTROTECHNICAL THIN LAYERS AT ROOM TEMPERATURE, AND ELECTROTECHNICAL THIN LAYER**

[54] **PROCEDE DE PRODUCTION A TEMPERATURE AMBIANTE DE COUCHES MINCES ELECTROTECHNIQUES ET COUCHE MINCE ELECTROTECHNIQUE**

[72] PUVANENDRALINGAM, GANGADARAN, DE
[72] LINDER, PATRICK, DE
[72] LINDER, DANIEL, DE
[71] DYNAMIC SOLAR SYSTEMS AG, DE

[85] 2017-08-25
[86] 2016-02-26 (PCT/DE2016/100086)
[87] (WO2016/134706)
[30] DE (10 2015 102 801.8) 2015-02-26

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[21] **2,977,884**
[13] A1

[51] **Int.Cl. G02B 1/10 (2015.01)**
[25] EN
[54] **OPTICAL ELEMENT HAVING A COATING FOR ENHANCED VISIBILITY OF A MARK AND METHOD FOR MAKING THE OPTICAL ELEMENT**
[54] **ELEMENT OPTIQUE AYANT UN REVETEMENT POUR VISIBILITE AMELIOREE D'UN REPERE ET PROCEDE DE FABRICATION DE L'ELEMENT OPTIQUE**
[72] FREASE, JENNINE, US
[72] TURPEN, JOSEPH, US
[72] CARPENTER, WILLIAM, US
[72] STEWART, KEVIN J., US
[71] TRANSITIONS OPTICAL, LTD., IE
[85] 2017-08-25
[86] 2016-03-10 (PCT/EP2016/055201)
[87] (WO2016/142496)
[30] US (62/130,777) 2015-03-10

[21] **2,978,223**
[13] A1

[51] **Int.Cl. A61K 31/519 (2006.01) A61K 9/20 (2006.01) A61K 47/10 (2017.01) A61K 47/14 (2017.01) A61K 47/34 (2017.01) A61P 5/24 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SOLID PREPARATION**
[54] **PREPARATION SOLIDE**
[72] YAMANE, IKURO, JP
[72] NOMURA, YUKIHIRO, JP
[72] NISHIMOTO, YUTAKA, JP
[72] HOSHINA, WATARU, JP
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2017-08-25
[86] 2016-02-25 (PCT/JP2016/055540)
[87] (WO2016/136849)
[30] JP (2015-037462) 2015-02-26

[21] **2,978,348**
[13] A1

[51] **Int.Cl. A61C 7/36 (2006.01) A61F 5/56 (2006.01)**
[25] EN
[54] **MANDIBULAR REPOSITION DEVICE AND COUPLING THEREFOR**
[54] **DISPOSITIF DE REPOSITIONNEMENT MANDIBULAIRE ET RACCORD A CET EFFET**
[72] LAMBERT, GEOFFREY JAMES, AU
[71] LAMBERT, GEOFFREY JAMES, AU
[71] LAMBERT, LEANNE JOY, AU
[85] 2017-08-31
[86] 2016-03-16 (PCT/AU2016/050183)
[87] (WO2016/149742)
[30] AU (2015901013) 2015-03-20
[30] AU (2015101689) 2015-11-19

[21] **2,978,430**
[13] A1

[51] **Int.Cl. G02B 6/293 (2006.01) G02B 6/30 (2006.01) G02B 27/00 (2006.01) G02F 1/13 (2006.01) H04J 14/02 (2006.01)**
[25] EN
[54] **OPTICAL ARRANGEMENT FOR MANAGING DIVERSITY AND ISOLATION BETWEEN PORTS IN A WAVELENGTH SELECTIVE SWITCH**
[54] **AGENCEMENT OPTIQUE DESTINE A LA GESTION DE DIVERSITE ET D'ISOLEMENT ENTRE PORTS DANS UN COMMUTATEUR SELECTIF DE LONGUEUR D'ONDE**
[72] WAGENER, JEFFERSON L., US
[72] SOCCOLICH, CARL EDMUND, US
[72] ISHIKAWA, TAKAAKI, JP
[71] NISTICA, INC., US
[85] 2017-08-31
[86] 2016-02-19 (PCT/US2016/018591)
[87] (WO2016/140811)
[30] US (14/636,479) 2015-03-03

[21] **2,978,471**
[13] A1

[51] **Int.Cl. B01F 3/18 (2006.01) C01B 32/182 (2017.01) C01B 32/198 (2017.01) C01B 32/20 (2017.01) C04B 35/626 (2006.01) C08K 9/00 (2006.01)**
[25] EN
[54] **UNIFORM DISPERSING OF GRAPHENE NANOPARTICLES IN A HOST**
[54] **DISPERSION UNIFORME DE NANOPARTICULES DE GRAPHENE DANS UN HOTE**
[72] ZHAI, LEI, US
[72] MCINNIS, MATTHEW, US
[71] UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., US
[85] 2017-08-31
[86] 2016-03-12 (PCT/US2016/022229)
[87] (WO2016/149150)
[30] US (62/132,699) 2015-03-13

[21] **2,978,958**
[13] A1

[51] **Int.Cl. H04W 48/12 (2009.01)**
[25] EN
[54] **SYSTEM TYPE DEPENDENT MASTER INFORMATION BLOCK (MIB)**
[54] **BLOC D'INFORMATIONS MAITRE (MIB) DEPENDANT DE TYPE SYSTEME**
[72] CHEN, WANSHI, US
[72] XU, HAO, US
[72] GAAL, PETER, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-09-06
[86] 2016-04-21 (PCT/US2016/028567)
[87] (WO2016/172293)
[30] US (62/151,379) 2015-04-22
[30] US (15/133,776) 2016-04-20

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[21] **2,979,035**
[13] A1

[51] **Int.Cl. H04N 5/359 (2011.01) H04N 5/347 (2011.01) H04N 5/372 (2011.01) H04N 5/374 (2011.01) H01L 27/148 (2006.01)**

[25] EN

[54] **DETECTOR ARRAYS WITH ELECTRONICALLY ADJUSTABLE DETECTOR POSITIONS**

[54] **RESEAUX DE DETECTEUR DOTES DE POSITIONS DE DETECTEUR REGLABLES ELECTRONIQUEMENT**

[72] MATTHEW, CHRISTOPHER D., US

[72] VAMPOLA, JOHN L., US

[72] HARRIS, MICKY, US

[71] RAYTHEON COMPANY, US

[85] 2017-09-07

[86] 2016-03-08 (PCT/US2016/021309)

[87] (WO2016/182622)

[30] US (14/711,042) 2015-05-13

[21] **2,979,043**
[13] A1

[51] **Int.Cl. H04L 29/06 (2006.01) H04L 12/12 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR WEB API COMMUNICATION**

[54] **SYSTEMES ET METHODES DE COMMUNICATION D'API WEB**

[72] MALPASS, LUKE, GB

[71] FASETTO, LLC, US

[85] 2017-09-07

[86] 2016-03-09 (PCT/US2016/021627)

[87] (WO2016/145126)

[30] US (62/131,619) 2015-03-11

[21] **2,979,050**
[13] A1

[51] **Int.Cl. H04W 80/02 (2009.01) H04J 11/00 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR GENERATING AND TRANSMITTING DATA FRAMES**

[54] **APPAREIL ET PROCEDE PERMETTANT DE GENERER ET DE TRANSMETTRE DES TRAMES DE DONNEES**

[72] EITAN, ALECSANDER, US

[72] SANDEROVICH, AMICHAJ, US

[72] BASSON, GAL, US

[71] QUALCOMM INCORPORATED, US

[85] 2017-09-07

[86] 2016-03-14 (PCT/US2016/022296)

[87] (WO2016/167908)

[30] US (62/147,479) 2015-04-14

[30] US (15/009,733) 2016-01-28

[21] **2,979,053**
[13] A1

[51] **Int.Cl. H04L 9/30 (2006.01) H04L 12/58 (2006.01)**

[25] EN

[54] **SERVER-CLIENT PKI FOR APPLIED KEY MANAGEMENT SYSTEM AND PROCESS**

[54] **PKI DE SERVEUR-CLIENT POUR PROCEDE ET SYSTEME DE GESTION DE CLE APPLIQUEE**

[72] WHITE, CHARLES, US

[72] EDWARDS, STEPHEN, US

[71] FORNETIX LLC, US

[85] 2017-09-07

[86] 2016-03-14 (PCT/US2016/022357)

[87] (WO2016/145444)

[30] US (62/132,342) 2015-03-12

[30] US (62/300,717) 2016-02-26

[30] US (62/300,699) 2016-02-26

[30] US (62/300,687) 2016-02-26

[30] US (62/300,670) 2016-02-26

[30] US (62/300,521) 2016-02-26

[30] US (62/300,352) 2016-02-26

[21] **2,979,054**
[13] A1

[51] **Int.Cl. H04L 9/08 (2006.01) H04L 9/14 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR ORGANIZING DEVICES IN A POLICY HIERARCHY**

[54] **SYSTEMES ET PROCEDES D'ORGANISATION DE DISPOSITIFS DANS UNE HIERARCHIE DE POLITIQUES**

[72] WHITE, CHARLES, US

[72] EDWARDS, STEPHEN, US

[71] FORNETIX LLC, US

[85] 2017-09-07

[86] 2016-03-14 (PCT/US2016/022360)

[87] (WO2016/145446)

[30] US (62/132,372) 2015-03-12

[30] US (62/300,670) 2016-02-26

[30] US (62/300,687) 2016-02-26

[30] US (62/300,521) 2016-02-26

[30] US (62/300,352) 2016-02-26

[30] US (62/300,699) 2016-02-26

[30] US (62/300,717) 2016-02-26

[21] **2,979,071**
[13] A1

[51] **Int.Cl. H04W 72/04 (2009.01) H04W 72/12 (2009.01) H04L 1/18 (2006.01)**

[25] EN

[54] **TECHNIQUES FOR MANAGING COMMUNICATIONS IN A SHARED RADIO FREQUENCY SPECTRUM BAND**

[54] **TECHNIQUES DE GESTION DE COMMUNICATIONS DANS UNE BANDE PARTAGEE DE SPECTRE DE RADIOFREQUENCES**

[72] YERRAMALLI, SRINIVAS, US

[72] LUO, TAO, US

[72] DAMNJANOVIC, ALEKSANDAR, US

[71] QUALCOMM INCORPORATED, US

[85] 2017-09-07

[86] 2016-03-25 (PCT/US2016/024282)

[87] (WO2016/167941)

[30] US (62/149,373) 2015-04-17

[30] US (15/080,393) 2016-03-24

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[21] **2,979,073**
[13] A1

[51] **Int.Cl. H04W 74/08 (2009.01) H04W 24/10 (2009.01) H04W 72/04 (2009.01)**

[25] EN

[54] **CONTROL OF UE CLEAR CHANNEL ASSESSMENT BY AN ENB**

[54] **COMMANDE D'UNE EVALUATION DE CANAL LIBRE D'UN UE AU MOYEN D'UN ENB**

[72] YERRAMALLI, SRINIVAS, US

[72] LUO, TAO, US

[72] DAMNJANOVIC, ALEKSANDAR, US

[71] QUALCOMM INCORPORATED, US

[85] 2017-09-07

[86] 2016-04-14 (PCT/US2016/027604)

[87] (WO2016/168507)

[30] US (62/149,377) 2015-04-17

[30] US (15/098,128) 2016-04-13

[21] **2,979,075**
[13] A1

[51] **Int.Cl. H04N 19/134 (2014.01) H04N 19/124 (2014.01) H04N 19/154 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/186 (2014.01) H04N 19/61 (2014.01)**

[25] EN

[54] **DYNAMIC RANGE ADJUSTMENT FOR HIGH DYNAMIC RANGE AND WIDE COLOR GAMUT VIDEO CODING**

[54] **AJUSTEMENT DE PLAGE DYNAMIQUE POUR CODAGE VIDEO A PLAGE DYNAMIQUE ELEVEE ET A LARGE GAMME DE COULEURS**

[72] RUSANOVSKYY, DMYTRO, US

[72] BUGDAYCI SANSI, DONE, US

[72] SOLE ROJALS, JOEL, US

[72] KARCZEWICZ, MARTA, US

[72] LEE, SUNGWON, US

[72] RAMASUBRAMONIAN, ADARSH KRISHNAN, US

[71] QUALCOMM INCORPORATED, US

[85] 2017-09-07

[86] 2016-04-15 (PCT/US2016/027831)

[87] (WO2016/168652)

[30] US (62/149,446) 2015-04-17

[30] US (15/099,256) 2016-04-14

[21] **2,979,206**
[13] A1

[51] **Int.Cl. G08G 1/00 (2006.01) G08G 1/14 (2006.01)**

[25] EN

[54] **FACILITY AND INFRASTRUCTURE UTILIZATION**

[54] **UTILISATION D'INSTALLATION ET D'INFRASTRUCTURE**

[72] BASIR, OTMAN A., CA

[72] MINERS, WILLIAM BEN, CA

[71] IMS SOLUTIONS INC., US

[85] 2017-09-08

[86] 2015-03-13 (PCT/US2015/020464)

[87] (WO2015/138913)

[30] US (61/952,235) 2014-03-13

[21] **2,979,718**
[13] A1

[51] **Int.Cl. H04H 20/20 (2009.01) H04H 60/37 (2009.01) H04N 21/23 (2011.01) H04N 21/436 (2011.01)**

[25] EN

[54] **USING BITRATE DATA TO OUTPUT AN ALERT INDICATING A FUNCTIONAL STATE OF A BACK-UP MEDIA-BROADCAST SYSTEM**

[54] **UTILISATION DE DONNEES DE DEBIT BINAIRE POUR EMETTRE UNE ALERTE INDIQUANT UN ETAT FONCTIONNEL D'UN SYSTEME DE RADIODIFFUSION MULTIMEDIA DE SECOURS**

[72] HUNDEMER, HANK J., US

[71] TRIBUNE BROADCASTING COMPANY, LLC, US

[85] 2017-09-13

[86] 2016-03-30 (PCT/US2016/024851)

[87] (WO2016/160891)

[30] US (14/676,293) 2015-04-01

[21] **2,979,723**
[13] A1

[51] **Int.Cl. C12M 1/34 (2006.01) C12M 1/00 (2006.01) C12M 1/24 (2006.01) C12M 1/36 (2006.01)**

[25] EN

[54] **SINGLE-USE BIOREACTOR PORT WITH MULTIPLE SENSORS**

[54] **ORIFICE DE BIOREACTEUR A USAGE UNIQUE EQUIPE DE PLUSIEURS CAPTEURS**

[72] SCHUMACHER, MARK S., US

[72] FENG, CHANG-DONG, US

[71] ROSEMOUNT ANALYTICAL INC., US

[85] 2017-09-13

[86] 2016-03-30 (PCT/US2016/024869)

[87] (WO2016/167959)

[30] US (62/146,460) 2015-04-13

[21] **2,979,799**
[13] A1

[51] **Int.Cl. A47J 43/042 (2006.01) A23L 5/00 (2016.01) A23P 30/00 (2016.01) A23G 9/08 (2006.01) A23G 9/10 (2006.01) A23G 9/22 (2006.01) A47J 43/07 (2006.01) A47J 43/27 (2006.01) B01F 15/00 (2006.01)**

[25] EN

[54] **PRODUCT-CHARACTERIZATION-BASED FOOD PRODUCT MIXING**

[54] **MELANGE DE PRODUITS ALIMENTAIRES BASE SUR UNE CARACTERISATION DES PRODUITS**

[72] BIGLARI, SARDAR, US

[72] MILTON, DAVID, US

[72] PERRY, MACINTOSH E., US

[72] BAZZELL, NATHANAEL RON, US

[71] STEAK'N SHAKE ENTERPRISES, INC., US

[85] 2017-09-13

[86] 2016-03-11 (PCT/US2016/021915)

[87] (WO2016/149062)

[30] US (14/657,150) 2015-03-13

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[13] A1

[51] **Int.Cl. C02F 3/34 (2006.01) B03B 9/02 (2006.01) B09C 1/10 (2006.01) C02F 3/02 (2006.01) C12N 1/20 (2006.01) C12Q 1/02 (2006.01) C12M 1/04 (2006.01)**

[25] EN
[54] **BIOREMEDIATION**
[54] **BIOREHABILITATION**
[72] BEDDOW, JESSICA GRACE, GB
[72] WHITBY, CORINNE, GB
[71] UNIVERSITY OF ESSEX ENTERPRISES LIMITED, GB
[85] 2017-09-14
[86] 2016-03-22 (PCT/GB2016/050800)
[87] (WO2016/162661)
[30] GB (1506040.3) 2015-04-09

[21] **2,979,839**
[13] A1

[51] **Int.Cl. A61F 13/494 (2006.01) A61F 13/49 (2006.01)**

[25] EN
[54] **ABSORBENT ARTICLE WITH LEG CUFFS**
[54] **ARTICLE ABSORBANT A MANCHONS DE JAMBE**
[72] SURUSHE, ABHISHEK PRAKASH, DE
[72] RAYCHECK, JEROMY THOMAS, US
[72] MARTYNUS, CORNELIA BEATE, DE
[72] SAUER, ANDREW JAMES, US
[72] SEITZ, AARON DUANE, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2017-09-14
[86] 2016-03-18 (PCT/US2016/023070)
[87] (WO2016/149585)
[30] US (62/134,622) 2015-03-18

[21] **2,979,894**
[13] A1

[51] **Int.Cl. A61F 2/72 (2006.01) A61B 5/0488 (2006.01) A61F 2/54 (2006.01) A61F 2/68 (2006.01) A61F 5/01 (2006.01) A61H 1/02 (2006.01)**

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[54] **POWERED ORTHOTIC DEVICE AND METHOD OF USING SAME**
[54] **DISPOSITIF ORTHETIQUE MOTORISE ET SON PROCEDE D'UTILISATION**
[72] KELLY, STEPHEN R., US
[72] TACY, GENE, US
[72] KESNER, SAMUEL, US
[72] HARLAN, ANDREW, US
[71] MYOMO, INC., US
[85] 2017-09-14
[86] 2016-06-15 (PCT/US2016/037607)
[87] (WO2016/205356)
[30] US (62/175,765) 2015-06-15

[21] **2,980,107**
[13] A1

[51] **Int.Cl. A23L 19/18 (2016.01) A23L 19/12 (2016.01) A23L 29/212 (2016.01) A23L 29/219 (2016.01) A23L 33/20 (2016.01) A23P 20/10 (2016.01)**

[25] EN
[54] **COATING FOR A POTATO PRODUCT FOR FINISH-FRYING, A POTATO PRODUCT PROVIDED THEREWITH AND METHOD THEREFOR**
[54] **ENROBAGE POUR FRITURE FINALE D'UN PRODUIT DE POMME DE TERRE, PRODUIT DE POMME DE TERRE COMPORTANT CET ENROBAGE, ET PROCEDE ASSOCIE**
[72] VOS, PAULUS BARTHOLOMEUS JACOBUS, NL
[72] DOKTER, JANNES, NL
[71] FRIES4ALL B.V., NL
[85] 2017-09-18
[86] 2016-03-23 (PCT/NL2016/050202)
[87] (WO2016/153350)
[30] NL (2014504) 2015-03-23
[30] US (62/164,138) 2015-05-20
[30] NL (2016396) 2016-03-08

[21] **2,980,113**
[13] A1

[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/0735 (2010.01) C12N 5/077 (2010.01) A61L 27/38 (2006.01) C07K 14/47 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12N 15/85 (2006.01)**

[25] EN
[54] **WNT INDUCED MOTILITY AND ENHANCED ENGRAFTMENT OF CELLS**
[54] **MOTILITE INDUITE PAR WNT ET PRISE DE GREFFE AMELIOREE DE CELLULES**
[72] RUDNICKI, MICHAEL A., CA
[72] BENTZINGER, CONRAD FLORIAN, CH
[71] OTTAWA HOSPITAL RESEARCH INSTITUTE, CA
[85] 2017-09-18
[86] 2015-03-27 (PCT/US2015/022992)
[87] (WO2015/148923)
[30] US (61/972,097) 2014-03-28

[21] **2,980,116**
[13] A1

[51] **Int.Cl. A61L 31/10 (2006.01) A61L 31/14 (2006.01)**

[25] EN
[54] **HEMOSTATIC INJECTION NEEDLE COATED WITH CROSSLINKED CHITOSAN HAVING CATECHOL GROUP AND OXIDIZED CATECHOL GROUP**
[54] **AIGUILLE D'INJECTION NE PROVOQUANT PAS DE SAIGNEMENT, REVETUE DE CHITOSANE RETICULE POSSEDANT UN GROUPE CATECHOL ET UN GROUPE CATECHOL OXYDE**
[72] LEE, HAESHIN, KR
[72] SHIN, MIKYUNG, KR
[72] LEE, MOON SUE, KR
[72] OH, SUK SONG, KR
[71] INNOTHERAPY INC., KR
[85] 2017-09-18
[86] 2016-04-04 (PCT/KR2016/003451)
[87] (WO2016/159734)
[30] KR (10-2015-0047329) 2015-04-03

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[21] **2,980,118**
[13] A1

[51] **Int.Cl. A61F 9/009 (2006.01) A61F 9/008 (2006.01) A61M 1/00 (2006.01)**

[25] EN

[54] **VACUUM LOSS DETECTION DURING LASER EYE SURGERY**

[54] **DETECTION DE PERTE DE VIDE PENDANT UNE CHIRURGIE OCULAIRE AU LASER**

[72] GOODING, PHILLIP H., US

[72] BELTRAN, CHRISTINE J., US

[72] CAMPOS, MICHAEL A., US

[72] WYSOPAL, JAN C., US

[72] EIKANAS, BRENT, US

[72] HUGUES, RENE, US

[71] OPTIMEDICA CORPORATION, US

[85] 2017-09-18

[86] 2015-12-14 (PCT/US2015/065500)

[87] (WO2016/148754)

[30] US (14/661,951) 2015-03-18

[21] **2,980,145**
[13] A1

[51] **Int.Cl. A61F 13/494 (2006.01) A61F 13/49 (2006.01) A61F 13/53 (2006.01)**

[25] EN

[54] **ABSORBENT ARTICLE WITH WAIST GASKETING ELEMENT AND LEG CUFFS**

[54] **ARTICLE ABSORBANT A MANCHONS DE JAMBE ET ELEMENT D'ETANCHEITE POUR TAILLE**

[72] RAYCHECK, JEROMY THOMAS, US

[72] SURUSHE, ABHISHEK PRAKASH, DE

[72] FREIJE, ZACHARY AARON, US

[72] MARTYNUS, CORNELIA BEATE, DE

[72] ROE, DONALD CARROLL, US

[72] SAUER, ANDREW JAMES, US

[72] KIGER, CHRISTOPHER ERIN, US

[72] GIOVANNI, SARA LYN, US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2017-09-18

[86] 2016-03-18 (PCT/US2016/023082)

[87] (WO2016/149592)

[30] US (62/134,972) 2015-03-18

[21] **2,980,146**
[13] A1

[51] **Int.Cl. A61F 13/494 (2006.01) A61F 13/49 (2006.01) A61F 13/53 (2006.01)**

[25] EN

[54] **ABSORBENT ARTICLE WITH WAIST GASKETING ELEMENT AND LEG CUFFS**

[54] **ARTICLE ABSORBANT A MANCHONS DE JAMBE ET ELEMENT D'ETANCHEITE POUR TAILLE**

[72] RAYCHECK, JEROMY THOMAS, US

[72] SURUSHE, ABHISHEK PRAKASH, DE

[72] FREIJE, ZACHARY AARON, US

[72] MARTYNUS, CORNELIA BEATE, DE

[72] ROE, DONALD CARROLL, US

[72] SAUER, ANDREW JAMES, US

[72] KIGER, CHRISTOPHER ERIN, US

[72] GIOVANNI, SARA LYN, US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2017-09-18

[86] 2016-03-18 (PCT/US2016/023084)

[87] (WO2016/149593)

[30] US (62/134,977) 2015-03-18

[21] **2,980,147**
[13] A1

[51] **Int.Cl. C07K 7/54 (2006.01) C07K 7/08 (2006.01)**

[25] EN

[54] **IMMUNOMODULATORS**

[54] **IMMUNOMODULATEURS**

[72] BOY, KENNETH M., US

[72] SUN, LI-QIANG, US

[72] ZHAO, QIAN, US

[72] MULL, ERIC, US

[72] GILLIS, ERIC P., US

[72] SCOLA, PAUL MICHAEL, US

[71] BRISTOL-MYERS SQUIBB COMPANY, US

[85] 2017-09-18

[86] 2016-03-16 (PCT/US2016/022619)

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[30] US (62/134,686) 2015-03-18

[21] **2,980,148**
[13] A1

[51] **Int.Cl. A61F 13/494 (2006.01) A61F 13/49 (2006.01) A61F 13/53 (2006.01) A61F 13/532 (2006.01) A61F 13/537 (2006.01)**

[25] EN

[54] **ABSORBENT ARTICLE WITH LEG CUFFS**

[54] **ARTICLE ABSORBANT A MANCHONS DE JAMBE**

[72] RAYCHECK, JEROMY THOMAS, US

[72] SURUSHE, ABHISHEK PRAKASH, DE

[72] MARTYNUS, CORNELIA BEATE, DE

[72] ROE, DONALD CARROLL, US

[72] BIANCHI, ERNESTO GABRIEL, DE

[72] EHRNSPERGER, BRUNO JOHANNES, DE

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2017-09-18

[86] 2016-03-18 (PCT/US2016/023093)

[87] (WO2016/149598)

[30] US (62/134,623) 2015-03-18

[21] **2,980,160**
[13] A1

[51] **Int.Cl. H04W 4/02 (2009.01)**

[25] EN

[54] **PEER-TO-PEER GEOTARGETING CONTENT WITH AD-HOC MESH NETWORKS**

[54] **GEOCIBLAGE DE CONTENU, DE POSTE A POSTE, AVEC DES RESEAUX MAILLES AD-HOC**

[72] SHIFFERT, NICHOLAS J., US

[72] DUBUQUE, SHAUN, US

[72] CHENG, ALEXANDER M., US

[72] REGO, JEFFREY R., US

[72] RANDLE, J., SETH, US

[71] RETAILMENOT, INC., US

[85] 2017-09-18

[86] 2016-03-18 (PCT/US2016/023158)

[87] (WO2016/154009)

[30] US (62/135,914) 2015-03-20

[30] US (62/185,229) 2015-06-26

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[13] A1

[51] **Int.Cl. C09C 1/44 (2006.01) C01B 32/182 (2017.01) C01B 32/198 (2017.01)**

[25] EN

[54] **ENGINEERED COMPOSITE STRUCTURE USING GRAPHENE OXIDE**

[54] **STRUCTURE COMPOSITE OBTENUE PAR INGENIERIE AU MOYEN D'OXYDE DE GRAPHENE**

[72] CHRISTIANSEN, SEAN, US

[72] RESTREPO, DAVID, US

[72] O'DONNELL, DAN, US

[72] MCINNIS, MATTHEW, US

[72] STOLTZ, RICHARD, US

[72] BULLINGTON, JEFF, US

[71] GARMOR, INC., US

[85] 2017-09-18

[86] 2016-03-18 (PCT/US2016/023273)

[87] (WO2016/154057)

[30] US (62/136,658) 2015-03-23

[21] **2,980,176**
[13] A1

[51] **Int.Cl. H04W 4/00 (2009.01) H04W 12/06 (2009.01) H04W 76/02 (2009.01) A61M 5/172 (2006.01) G06F 19/00 (2011.01)**

[25] EN

[54] **PATIENT PROGRAMMER FOR IMPLANTABLE DRUG DELIVERY DEVICE**

[54] **PROGRAMMATEUR PATIENT POUR DISPOSITIF D'ADMINISTRATION DE MEDICAMENT IMPLANTABLE**

[72] BURKE, PAUL, US

[72] ADLER, STEVE, US

[71] FLOWONIX MEDICAL INCORPORATED, US

[85] 2017-09-18

[86] 2016-04-15 (PCT/US2016/027803)

[87] (WO2016/168635)

[30] US (62/148,431) 2015-04-16

[30] US (15/098,631) 2016-04-14

[21] **2,980,218**
[13] A1

[51] **Int.Cl. A61F 9/007 (2006.01) A61F 2/14 (2006.01)**

[25] FR

[54] **INTERPOSITIONAL OPHTHALMOLOGICAL IMPLANT**

[54] **IMPLANT OPHTHALMOLOGIQUE D'INTERPOSITION**

[72] SOURDILLE, PHILIPPE, FR

[71] SOURDILLE, PHILIPPE, FR

[85] 2017-09-19

[86] 2016-03-25 (PCT/FR2016/050696)

[87] (WO2016/156727)

[30] FR (15 52732) 2015-03-31

[21] **2,980,239**
[13] A1

[51] **Int.Cl. A61F 5/445 (2006.01) A61F 5/44 (2006.01)**

[25] EN

[54] **AN ADHESIVE SECURING MEMBER FOR AN OSTOMY PRODUCT**

[54] **ELEMENT DE FIXATION ADHESIF POUR PRODUIT DE STOMIE**

[72] HEWITT, AARON, GB

[71] PELICAN HEALTHCARE LIMITED, GB

[85] 2017-09-19

[86] 2016-03-21 (PCT/GB2016/050773)

[87] (WO2016/151303)

[30] GB (1504779.8) 2015-03-20

[21] **2,980,253**
[13] A1

[51] **Int.Cl. H04W 84/18 (2009.01) H04W 40/20 (2009.01) G06F 9/54 (2006.01)**

[25] EN

[54] **NETWORK DEVICE, COMPUTER NETWORK AND METHOD FOR CONTROLLING ENVIRONNEMENTS**

[54] **DISPOSITIF DE RESEAU, RESEAU INFORMATIQUE ET PROCEDE POUR COMMANDER DES ENVIRONNEMENTS**

[72] RAPALLINI, ROMANO, IT

[72] GARDINI, LUCA, IT

[71] RAPALLINI, ROMANO, IT

[71] GARDINI, LUCA, IT

[85] 2017-09-19

[86] 2016-03-21 (PCT/IB2016/051573)

[87] (WO2016/151472)

[30] IT (GE2015A000037) 2015-03-23

[21] **2,980,273**
[13] A1

[51] **Int.Cl. H04L 12/58 (2006.01)**

[25] EN

[54] **TECHNIQUES TO SHARE AND REMIX MEDIA THROUGH A MESSAGING SYSTEM**

[54] **PROCEDES DE PARTAGE ET DE REMIXAGE D'ELEMENTS MULTIMEDIAS AU MOYEN D'UN SYSTEME DE MESSAGERIE**

[72] FRANKLIN, ALEXANDER SALEM, US

[72] STEINER, MATTHEW, US

[71] FACEBOOK, INC., US

[85] 2017-09-19

[86] 2015-03-25 (PCT/US2015/022375)

[87] (WO2016/153495)

[30] US (14/667,576) 2015-03-24

[21] **2,980,281**
[13] A1

[51] **Int.Cl. H04L 12/58 (2006.01)**

[25] EN

[54] **TECHNIQUES FOR AUTOMATED DETERMINATION OF FORM RESPONSES**

[54] **TECHNIQUES DE DETERMINATION AUTOMATISEE DE REPONSES DE FORMULAIRE**

[72] SCHMID, MATTHEW LOGAN, US

[72] SHARON, EYAL MICHAEL, US

[72] BUSH, MATTHEW SANCHEZ, US

[72] VULKAN, ROEE, US

[71] FACEBOOK, INC., US

[85] 2017-09-19

[86] 2015-07-22 (PCT/US2015/041561)

[87] (WO2016/153540)

[30] US (62/138,341) 2015-03-25

[30] US (62/138,337) 2015-03-25

[30] US (62/138,344) 2015-03-25

[30] US (14/804,991) 2015-07-21

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[51] Int.Cl. C07K 16/32 (2006.01) C07K 14/74 (2006.01) C07K 16/00 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C12Q 1/68 (2006.01) C40B 30/04 (2006.01) C40B 40/02 (2006.01) C40B 40/06 (2006.01) C40B 50/06 (2006.01) G01N 33/532 (2006.01)	[51] Int.Cl. B65D 85/804 (2006.01) A23F 3/00 (2006.01) A23F 5/00 (2006.01) A23F 5/24 (2006.01) A23L 2/00 (2006.01) A47J 31/00 (2006.01) A47J 31/06 (2006.01) B65D 85/72 (2006.01)	[51] Int.Cl. C12N 15/113 (2010.01) A61K 31/713 (2006.01) A61P 25/14 (2006.01) C07H 21/02 (2006.01) C12N 15/85 (2006.01)
[25] EN	[25] EN	[25] EN
[54] HLA-RESTRICTED EPITOPES ENCODED BY SOMATICALLY MUTATED GENES	[54] METHOD OF AND SYSTEM FOR CREATING A CONSUMABLE LIQUID FOOD OR BEVERAGE PRODUCT FROM FROZEN LIQUID CONTENTS	[54] OLIGONUCLEOTIDE COMPOUNDS FOR TARGETING HUNTINGTIN MRNA
[54] EPITOPES RESTREINTS AUX HLA ENCODES PAR DES GENES AYANT SUBI UNE MUTATION SOMATIQUE	[54] PROCEDE ET SYSTEME DE CREATION D'UN PRODUIT ALIMENTAIRE OU D'UNE BOISSON CONSOMMABLE LIQUIDE A PARTIR DE CONTENUS LIQUIDES CONGELES	[54] COMPOSES OLIGONUCLEOTIDIQUES POUR LE CIBLAGE DE L'ARNM DE L'HUNGTINGTINE
[72] VOGELSTEIN, BERT, US	[72] ROBERTS, MATTHEW, US	[72] KHVOROVA, ANASTASIA, US
[72] KINZLER, KENNETH W., US	[72] KALENIAN, PAUL, US	[72] ARONIN, NEIL, US
[72] ZHOU, SHIBIN, US	[72] HOON, DOUGLAS M., US	[72] ALTERMAN, JULIA, US
[72] DIAZ, LUIS, US	[72] WINKLER, KARL, US	[71] UNIVERSITY OF MASSACHUSETTS, US
[72] PAPADOPOULOS, NICKOLAS, US	[71] MELTZ, LLC, US	[85] 2017-09-19
[72] SKORA, ANDREW, US	[85] 2017-09-19	[86] 2016-04-01 (PCT/US2016/025722)
[72] DOUGLASS, JACKIE, US	[86] 2016-03-18 (PCT/US2016/023226)	[87] (WO2016/161374)
[72] HWANG, MICHAEL S., US	[87] (WO2016/154037)	[30] US (62/142,731) 2015-04-03
[71] THE JOHNS HOPKINS UNIVERSITY, US	[30] US (62/136,072) 2015-03-20	[30] US (62/289,274) 2016-01-31
[85] 2017-09-19	[30] US (14/801,540) 2015-07-16	
[86] 2016-03-23 (PCT/US2016/023673)	[30] US (62/275,506) 2016-01-06	[21] 2,980,339 [13] A1
[87] (WO2016/154246)		[51] Int.Cl. C12N 15/113 (2010.01) A61K 31/712 (2006.01) A61K 31/7125 (2006.01) A61K 31/713 (2006.01) A61P 9/00 (2006.01) C07H 21/02 (2006.01)
[30] US (62/136,843) 2015-03-23		[25] EN
[30] US (62/186,455) 2015-06-30	[21] 2,980,326 [13] A1	[54] OLIGONUCLEOTIDE COMPOUNDS FOR TREATMENT OF PREECLAMPSIA AND OTHER ANGIOGENIC DISORDERS
	[51] Int.Cl. H04N 21/482 (2011.01) H04N 21/258 (2011.01) H04N 21/431 (2011.01) H04N 21/4627 (2011.01) G06F 17/30 (2006.01)	[54] COMPOSES D'OLIGONUCLEOTIDES POUR TRAITER LA PRE-ECLAMPSIE ET D'AUTRES TROUBLES ANGIOGENIQUES
	[25] EN	[72] KHVOROVA, ANASTASIA, US
	[54] GLOBAL RECOMMENDATION SYSTEMS FOR OVERLAPPING MEDIA CATALOGS	[72] MOORE, MELISSA, US
	[54] SYSTEMES DE RECOMMANDATIONS GLOBALES POUR CATALOGUES MULTIMEDIAS SE CHEVAUCHANT	[72] TURANOV, ANTON A., US
	[72] TODD, MICHAEL, US	[72] KARUMANCHI, ANANTH, US
	[72] ELAHI, EHTSHAM, US	[71] UNIVERSITY OF MASSACHUSETTS, US
	[72] FENTON, AISH, US	[71] BETH ISRAEL DEACONESS MEDICAL CENTER, INC., US
	[72] URIBE, CARLOS GOMEZ, US	[85] 2017-09-19
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[13] A1

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[54] **METHOD OF AND SYSTEM FOR PRODUCING SOLID CARBON MATERIALS**
[54] **PROCEDE ET SYSTEME DE PRODUCTION DE MATIERES CARBONEES SOLIDES**
[72] LI, CHUN-ZHU, AU
[72] HU, XUN, AU
[71] CURTIN UNIVERSITY, AU
[85] 2017-09-20
[86] 2016-04-13 (PCT/AU2016/000133)
[87] (WO2016/164965)
[30] AU (2015901314) 2015-04-13

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[13] A1

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[25] EN
[54] **CONTROL CHANNEL BASED BROADCAST MESSAGING**
[54] **MESSAGERIE DE DIFFUSION A BASE DE CANAL DE COMMANDE**
[72] XU, HAO, US
[72] CHEN, WANSHI, US
[72] VAJAPAYAM, MADHAVAN SRINIVASAN, US
[72] GAAL, PETER, US
[71] QUALCOMM INCORPORATED, US
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[30] US (62/150,247) 2015-04-20
[30] US (15/132,729) 2016-04-19

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[13] A1

[51] **Int.Cl. E21B 33/13 (2006.01) C09K 8/467 (2006.01) E21B 33/138 (2006.01)**
[25] EN
[54] **GROUT FLUIDS FOR USE IN A GEOTHERMAL WELL LOOP**
[54] **COULIS DESTINE A UNE UTILISATION DANS UNE BOUCLE DE Puits GEOTHERMIQUE**
[72] FRANTZ, ERIC BENJAMIN, US
[72] HENRY, REBECCA MARIE, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[21] **2,980,460**
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[54] **COMBINATION THERAPY FOR CANCER**
[54] **POLYTHERAPIE CONTRE LE CANCER**
[72] MASTELLER, EMMA, US
[72] BRENNAN, THOMAS, US
[72] BELLOVIN, DAVID, US
[72] BAKER, KEVIN, US
[72] WONG, BRIAN, US
[71] FIVE PRIME THERAPEUTICS, INC., US
[85] 2017-09-20
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[13] A1

[51] **Int.Cl. H04W 28/12 (2009.01) H04W 72/04 (2009.01)**
[25] EN
[54] **BLOCK ACKNOWLEDGEMENT MECHANISM FOR ACKNOWLEDGING DL-MU DATA ON UL-MU WIRELESS COMMUNICATION SYSTEM**
[54] **MECANISME D'ACCUSE DE RECEPTION PAR BLOCS POUR ACCUSER RECEPTION DE DONNEES DL-MU SUR SYSTEME UL-MU DE COMMUNICATION SANS FIL**
[72] CHERIAN, GEORGE, US
[72] MERLIN, SIMONE, US
[72] BARRIAC, GWENDOLYN DENISE, US
[72] ASTERJADHI, ALFRED, US
[71] QUALCOMM INCORPORATED, US
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[86] 2016-05-04 (PCT/US2016/030820)
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[30] US (62/157,921) 2015-05-06
[30] US (15/145,756) 2016-05-03

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[13] A1

[51] **Int.Cl. H04W 48/10 (2009.01) H04W 12/04 (2009.01) H04W 12/06 (2009.01)**
[25] EN
[54] **SYSTEM FOR ANTI-SPOOFING BEACON NETWORK AND CLOUD BASED ADMINISTRATION OF RELATED CONTENT**
[54] **SYSTEME POUR RESEAU DE BALISES ANTI-ARNAQUE ET ADMINISTRATION BASEE SUR UN NUAGE DE CONTENU ASSOCIE**
[72] GRAVES, RICHARD C., US
[72] BLANZ, CHRIS, US
[72] ZENERINO, BEAT, US
[72] HUBER, KEVIN, US
[72] THORNTON, GREG, US
[71] BKON CONNECT, INC., US
[85] 2017-09-20
[86] 2016-03-21 (PCT/US2016/023446)
[87] (WO2016/154129)
[30] US (62/136,157) 2015-03-20
[30] US (62/152,659) 2015-04-24

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[13] A1

[51] **Int.Cl. H01F 38/30 (2006.01) H01F 27/04 (2006.01)**
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[54] **TOP HEAD HOUSING**
[54] **BOITIER DE TETE SUPERIEUR**
[72] SMITH, MATTHEW, US
[72] ROMAN, ZOLTAN, US
[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[85] 2017-09-21
[86] 2015-03-31 (PCT/US2015/023460)
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[13] A1

[51] **Int.Cl. H04L 29/06 (2006.01) H04L 12/26 (2006.01)**

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[54] **NETWORKING FLOW LOGS FOR MULTI-TENANT ENVIRONNEMENTS**

[54] **JOURNAUX DE FLUX DE RESEAU POUR ENVIRONNEMENTS MULTI-UTILISATEURS**

[72] BANERJEE, RAJAT, US

[72] MILLER, NATHAN ANDREW, US

[72] DIVECHA, ANIKET DEEPAK, US

[72] ZHAO, MINGXUE, US

[72] YE, SHUAI, US

[72] MILLER, KEVIN CHRISTOPHER, US

[72] KERL, JOHN ROBERT, US

[71] AMAZON TECHNOLOGIES, INC., US

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[86] 2016-03-29 (PCT/US2016/024789)

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[21] **2,980,587**
[13] A1

[51] **Int.Cl. H04W 74/04 (2009.01) H04W 72/12 (2009.01) H04W 74/08 (2009.01) H04W 84/20 (2009.01)**

[25] EN

[54] **TRANSACTION SCHEDULING SYSTEM FOR A WIRELESS DATA COMMUNICATIONS NETWORK**

[54] **SYSTEME DE PLANIFICATION DE TRANSACTION POUR RESEAU DE COMMUNICATION DE DONNEES SANS FIL**

[72] IANNI, BRUCE C., US

[72] ROSS, DAVYEON D., US

[72] BENNETT, JUSTIN E., US

[72] CIHOLAS, MIKE E., US

[72] HOLLINGER, HERB A., US

[72] SINGER, KYLE D., US

[72] VANVORST, DIRK B., US

[71] SHOTTRACKER, INC., US

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[13] A1

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

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[54] **KEY EXPORT TECHNIQUES**

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

[72] CAMPAGNA, MATTHEW JOHN, US

[72] ROTH, GREGORY BRANCHEK, US

[71] AMAZON TECHNOLOGIES, INC., US

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

[87] (WO2016/160597)

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[13] A1

[51] **Int.Cl. C02F 3/28 (2006.01) C02F 3/00 (2006.01) C02F 11/04 (2006.01)**

[25] EN

[54] **METHOD FOR CONTROLLING A TREATMENT APPARATUS ARRANGEMENT, A TREATMENT APPARATUS ARRANGEMENT FOR A TREATMENT PLANT AS WELL AS A TREATMENT PLANT**

[54] **PROCEDE DE COMMANDE D'AGENCEMENT D'APPAREIL DE TRAITEMENT, AGENCEMENT D'APPAREIL DE TRAITEMENT POUR UNE INSTALLATION DE TRAITEMENT, AINSI QU'UNE INSTALLATION DE TRAITEMENT**

[72] UBY, LARS, SE

[71] XYLEM IP MANAGEMENT S.A R.L., LU

[85] 2017-09-22

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[13] A1

[51] **Int.Cl. H04L 12/58 (2006.01) H04W 4/12 (2009.01) H04W 4/14 (2009.01) H04L 12/16 (2006.01)**

[25] EN

[54] **IMPROVEMENTS RELATING TO GROUP MESSAGING**

[54] **PERFECTIONNEMENTS APPORTES A LA MESSAGERIE DE GROUPE**

[72] DE BOER, DOEDE, NL

[72] KUIJPERS, MARIJN, NL

[71] MARKPORT LIMITED, IE

[85] 2017-09-22

[86] 2016-03-22 (PCT/IB2016/000407)

[87] (WO2016/151395)

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[21] **2,980,674**
[13] A1

[51] **Int.Cl. H04W 74/04 (2009.01) H04W 72/12 (2009.01)**

[25] EN

[54] **METHODS AND APPARATUS FOR MULTIPLE USER UPLINK**

[54] **PROCEDES ET APPAREIL POUR UNE LIAISON MONTANTE MULTI-UTILISATEUR**

[72] DING, GANG, US

[72] MERLIN, SIMONE, US

[72] ASTERJADHI, ALFRED, US

[72] CHERIAN, GEORGE, US

[72] BARRIAC, GWENDOLYN DENISE, US

[72] TIAN, BIN, US

[71] QUALCOMM INCORPORATED, US

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[30] US (62/157,307) 2015-05-05

[30] US (15/145,729) 2016-05-03

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[13] A1

[51] **Int.Cl. H04W 52/02 (2009.01) H04W 84/12 (2009.01)**

[25] EN

[54] **TECHNIQUES FOR PERFORMING AN INTRA-FRAME OPERATION BASED AT LEAST IN PART ON IDENTIFIERS IN A WIRELESS LOCAL AREA NETWORK PHYSICAL LAYER HEADER**

[54] **TECHNIQUES PERMETTANT DE REALISER UNE OPERATION INTRA-TRAME SUR LA BASE AU MOINS EN PARTIE D'IDENTIFIANTS DANS UN EN-TETE DE COUCHE PHYSIQUE DE RESEAU LOCAL SANS FIL**

[72] ASTERJADHI, ALFRED, US
[72] MERLIN, SIMONE, US
[72] CHERIAN, GEORGE, US
[72] BARRIAC, GWENDOLYN DENISE, US

[72] DING, GANG, US
[72] ZHOU, YAN, US
[71] QUALCOMM INCORPORATED, US
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[30] US (15/146,381) 2016-05-04

[21] **2,980,676**
[13] A1

[51] **Int.Cl. A61F 2/07 (2013.01) A61F 2/95 (2013.01)**

[25] EN

[54] **STENT GRAFT DEVICE WITH ANCHORING MEMBERS HAVING ADJUSTABLE GEOMETRIES**

[54] **DISPOSITIF DE GREFFE D'ENDOPROTHESE PRESENTANT DES ELEMENTS D'ANCRAGE PRESENTANT DES GEOMETRIES REGLABLES**

[72] MICHALAK, CHRISTOPHER S., US
[71] W. L. GORE & ASSOCIATES, INC., US

[85] 2017-09-21
[86] 2016-05-24 (PCT/US2016/033857)
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[30] US (15/161,569) 2016-05-23

[21] **2,980,689**
[13] A1

[51] **Int.Cl. H04L 12/953 (2013.01) H04H 60/40 (2009.01) H04W 56/00 (2009.01) H04N 21/242 (2011.01)**

[25] EN

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

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

[72] TAKAHASHI, KAZUYUKI, JP
[72] MICHAEL, LACHLAN BRUCE, JP
[71] SONY CORPORATION, JP
[85] 2017-09-22
[86] 2016-05-19 (PCT/JP2016/002449)
[87] (WO2016/194326)
[30] JP (2015-112212) 2015-06-02

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[25] EN

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

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

[72] YAMANE, TAKETOSHI, JP
[72] YAMAGISHI, YASUAKI, JP
[71] SONY CORPORATION, JP
[85] 2017-09-22
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[87] (WO2016/163098)
[30] JP (2015-079603) 2015-04-08

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[13] A1

[51] **Int.Cl. E21B 21/06 (2006.01) B01D 21/26 (2006.01) C09K 8/02 (2006.01)**

[25] EN

[54] **REMOVAL OF FINE SOLIDS FROM OILFIELD FLUIDS**

[54] **ELIMINATION DE FINES PARTICULES SOLIDES DE FLUIDES DE CHAMP PETROLIFERE**

[72] NEWMAN, KATERINA V., US
[72] HARVEY, TIMOTHY N., US
[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-09-22
[86] 2015-04-24 (PCT/US2015/027526)
[87] (WO2016/171718)

[21] **2,980,719**
[13] A1

[51] **Int.Cl. H04L 12/58 (2006.01) H04L 12/24 (2006.01)**

[25] EN

[54] **TECHNIQUES FOR AUTOMATED MESSAGING**

[54] **TECHNIQUES DE MESSAGERIE AUTOMATISEE**

[72] SZETO, ANDREW EUGENE, US
[72] MEI, SHAWN C.P., US
[72] RAMIREZ, ALEXANDER DAVID, US
[71] FACEBOOK, INC., US

[85] 2017-09-22
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[87] (WO2016/153539)
[30] US (62/138,341) 2015-03-25
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[13] A1

[51] **Int.Cl. E21B 33/134 (2006.01) C09K 8/52 (2006.01) E21B 33/12 (2006.01)**

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[54] **CONTROLLED DEGRADATION OF ELASTOMERS AND USE IN OILFIELD APPLICATIONS**

[54] **DEGRADATION CONTROLEE D'ELASTOMERES ET UTILISATION DANS DES APPLICATIONS DE CHAMP PETROLIFERE**

[72] ZHU, SHITONG S., US
[72] ROBISSON, AGATHE, US
[72] AUZERAIS, FRANCOIS M., US
[72] QU, MENG, US
[72] AMARANTE, MIRANDA, US
[72] DIAZ, CODY, US
[72] GODFREY, MATTHEW, US
[72] PABON, JAHIR, US
[71] SCHLUMBERGER CANADA LIMITED, CA

[85] 2017-09-22
[86] 2016-03-02 (PCT/US2016/020412)
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[30] US (14/665,727) 2015-03-23

[21] **2,980,723**
[13] A1

[51] **Int.Cl. C12N 1/20 (2006.01) A01N 47/44 (2006.01) A01N 63/00 (2006.01) A01P 3/00 (2006.01) C07K 7/06 (2006.01) C12N 9/00 (2006.01) C12N 15/52 (2006.01) C12P 21/02 (2006.01) C12Q 1/00 (2006.01) C07K 7/50 (2006.01) C07K 11/00 (2006.01)**

[25] EN

[54] **A NOVEL PAENIBACILLUS STRAIN, ANTIFUNGAL COMPOUNDS, AND METHODS FOR THEIR USE**

[54] **NOUVELLE SOUCHE DE PAENIBACILLUS, COMPOSES ANTIFONGIQUES ET PROCEDES D'UTILISATION ASSOCIES**

[72] BEAU, JEREMY, US
[72] JOO, DANIEL M., US
[72] SCHWIENSTEK, PATRICK, US
[72] TAYLOR, COLLEEN S., US
[72] TRAAG, BJORN A., US
[71] BAYER CROPSCIENCE LP, US

[85] 2017-09-22
[86] 2016-03-23 (PCT/US2016/023760)
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[30] US (62/138,765) 2015-03-26
[30] US (62/232,205) 2015-09-24

[21] **2,980,730**
[13] A1

[51] **Int.Cl. A61K 47/69 (2017.01) A61P 3/10 (2006.01) A61P 37/02 (2006.01) C07K 14/54 (2006.01)**

[25] EN

[54] **TOLEROGENIC NANOPARTICLES FOR TREATING DIABETES MELLITUS**

[54] **NANOPARTICULES TOLEROGENIQUES POUR LE TRAITEMENT DU DIABETE SUCRE**

[72] BORNAL, ADA YESTE, ES
[72] QUINTANA, FRANCISCO J., US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US

[85] 2017-09-22
[86] 2016-03-23 (PCT/US2016/023845)
[87] (WO2016/154362)
[30] US (62/136,897) 2015-03-23

[21] **2,980,731**
[13] A1

[51] **Int.Cl. B01F 7/16 (2006.01) B01F 3/12 (2006.01) B01F 7/22 (2006.01)**

[25] EN

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

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

[72] CHONG, JONATHAN WUN SHIUNG, US
[71] SCHLUMBERGER CANADA LIMITED, CA

[85] 2017-09-22
[86] 2016-03-17 (PCT/US2016/022733)
[87] (WO2016/153883)
[30] US (14/668,032) 2015-03-25

[21] **2,980,735**
[13] A1

[51] **Int.Cl. H01M 4/96 (2006.01) H01M 8/18 (2006.01)**

[25] EN

[54] **POROUS ELECTRODES AND ELECTROCHEMICAL CELLS AND LIQUID FLOW BATTERIES THEREFROM**

[54] **ELECTRODES POREUSES ET CELLULES ELECTROCHIMIQUES ET BATTERIES A FLUX LIQUIDE OBTENUES A PARTIR DE CELLES-CI**

[72] JOHNSTON, RAYMOND P., US
[72] YORDEM, ONUR S., US
[72] SITTER, BRETT J., US
[72] EATON, BRADLEY W., US
[72] WEBER, BRIAN T., US
[72] HAUGEN, GREGORY M., US
[72] ACHARYA, BHARAT R., US
[72] BARTLING, BRANDON A., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US

[85] 2017-09-22
[86] 2016-03-22 (PCT/US2016/023570)
[87] (WO2016/154195)
[30] US (62/137,563) 2015-03-24
[30] US (62/269,239) 2015-12-18

[21] **2,980,738**
[13] A1

[51] **Int.Cl. C11C 5/00 (2006.01)**

[25] EN

[54] **CANDLE PRODUCTS COMPRISING VEGETABLE OIL THAT IS LOW IN POLYUNSATURATION AND GELLING AGENT**

[54] **PRODUITS DE BOUGIE COMPRENANT DE L'HUILE VEGETALE A FAIBLE TENEUR EN POLYINSATURATION ET AGENT GELIFIANT**

[72] GRIMM, RUSSELL A., US
[71] CL PRODUCTS INTERNATIONAL, LLC, US

[85] 2017-09-22
[86] 2016-03-23 (PCT/US2016/023695)
[87] (WO2016/154259)
[30] US (62/138,138) 2015-03-25

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[13] A1

[51] **Int.Cl. C07K 16/08 (2006.01) A61K 39/42 (2006.01) A61P 31/20 (2006.01) C07K 16/46 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/62 (2006.01) C12N 15/85 (2006.01) C12P 21/08 (2006.01) G01N 33/53 (2006.01)**

[25] EN

[54] **MULTI-VALENT HEPATITIS B VIRUS ANTIGEN BINDING MOLECULES AND USES THEREOF**

[54] **MOLECULES DE LIAISON A UN ANTIGENE DU VIRUS DE L'HEPATITE B MULTIVALENTES ET UTILISATIONS DE CELLES-CI**

[72] CARROLL, STEPHEN F., US
[72] BALIGA, RAMESH, US
[72] NG, DEAN, US
[72] KEYT, BRUCE A., US
[71] IGM BIOSCIENCES, INC., US
[85] 2017-09-22
[86] 2016-03-25 (PCT/US2016/024348)
[87] (WO2016/154593)
[30] US (62/137,881) 2015-03-25

[21] **2,980,760**
[13] A1

[51] **Int.Cl. A61F 2/46 (2006.01) A61B 90/00 (2016.01) A61B 17/17 (2006.01) A61F 2/38 (2006.01)**

[25] EN

[54] **KNEE INSTRUMENTS AND METHODS**

[54] **INSTRUMENTS ET PROCEDES POUR LE GENOU**

[72] GOBLE, E. MARLOWE, US
[72] CREGER, CARLYLE J., US
[72] TRIPLETT, DANIEL J., US
[71] GOBLE, E. MARLOWE, US
[85] 2017-09-22
[86] 2016-03-25 (PCT/US2016/024377)
[87] (WO2016/154606)
[30] US (62/138,307) 2015-03-25
[30] US (62/302,787) 2016-03-02

[21] **2,980,769**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01)**

[25] EN

[54] **METHOD FOR DETECTING GENOMIC VARIATIONS USING CIRCULARISED MATE-PAIR LIBRARY AND SHOTGUN SEQUENCING**

[54] **PROCEDE POUR DETECTER DES VARIATIONS GENOMIQUES A L'AIDE DE BANQUES DE PAIRES D'APPARIEMENT CIRCULARISEES ET D'UN SEQUENCAGE ALEATOIRE**

[72] RUAN, YIJUN, US
[71] THE JACKSON LABORATORY, US
[85] 2017-09-22
[86] 2016-04-01 (PCT/US2016/025475)
[87] (WO2016/161236)
[30] US (62/142,088) 2015-04-02

[21] **2,980,771**
[13] A1

[51] **Int.Cl. C12N 5/10 (2006.01) A01K 67/027 (2006.01) C07K 14/705 (2006.01) C07K 19/00 (2006.01) C12N 5/16 (2006.01) C12N 15/12 (2006.01) C12N 15/62 (2006.01) C12N 15/85 (2006.01)**

[25] EN

[54] **HUMANIZED T CELL MEDIATED IMMUNE RESPONSES IN NON-HUMAN ANIMALS**

[54] **REPONSES IMMUNITAIRES MEDIEES PAR DES CELLULES T HUMANISEES DANS DES ANIMAUX NON HUMAINS**

[72] MACDONALD, LYNN, US
[72] MURPHY, ANDREW J., US
[72] GURER, CAGAN, US
[72] KYRATSOUS, CHRISTOS, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2017-09-22
[86] 2016-04-06 (PCT/US2016/026260)
[87] (WO2016/164492)
[30] US (62/143,687) 2015-04-06
[30] US (62/158,804) 2015-05-08
[30] US (62/186,935) 2015-06-30

[21] **2,980,791**
[13] A1

[51] **Int.Cl. A61K 8/18 (2006.01) A61K 8/34 (2006.01) A61K 8/81 (2006.01) A61K 8/85 (2006.01) A61K 8/92 (2006.01) A61Q 9/02 (2006.01)**

[25] EN

[54] **SHAVING AID COMPOSITION**

[54] **COMPOSITION D'AIDE AU RASAGE**

[72] BOUSVAROS, GERASIMOS, GR
[72] ANTONIOU, ZOI, GR
[71] BIC-VIOLEX SA, GR
[85] 2017-09-25
[86] 2015-04-10 (PCT/EP2015/057826)
[87] (WO2016/162080)

[21] **2,980,809**
[13] A1

[51] **Int.Cl. B32B 7/06 (2006.01) B32B 7/12 (2006.01) B32B 37/12 (2006.01) B65D 65/18 (2006.01) B65D 65/40 (2006.01)**

[25] EN

[54] **RECYCLABLE MATERIAL**

[54] **MATERIAU RECYCLABLE**

[72] GIUSTI, STEFANO, IT
[72] GIUSTI, MARTINA, IT
[71] GIMSA S.R.L., IT
[85] 2017-09-25
[86] 2015-03-31 (PCT/IB2015/052366)
[87] (WO2015/151027)
[30] IT (RM2014A000170) 2014-04-03

[21] **2,980,824**
[13] A1

[51] **Int.Cl. A01N 43/50 (2006.01) A01N 25/32 (2006.01) A01N 37/22 (2006.01) A01N 41/10 (2006.01) A01N 43/40 (2006.01) A01N 43/56 (2006.01) A01N 43/70 (2006.01) A01N 43/80 (2006.01) A01P 13/00 (2006.01)**

[25] EN

[54] **HERBICIDAL MIXTURES**

[54] **MELANGES HERBICIDES**

[72] MORRIS, JAMES ALAN, GB
[72] BOEHMER, JUTTA ELISABETH, GB
[72] HENNESSY, ALAN JOSEPH, GB
[72] DESSON, TIMOTHY ROBERT, GB
[72] RUSSELL, SALLY ELIZABETH, GB
[72] RUSSELL, CLAIRE JANET, GB
[72] PICKETT, BRIAN, GB
[72] KALOUMENOS, NIKOLAOS, GB
[72] BALOGH, AKOS, CH
[71] SYNGENTA PARTICIPATIONS AG, CH
[85] 2017-09-25
[86] 2016-03-31 (PCT/EP2016/057096)
[87] (WO2016/162265)
[30] GB (1505852.2) 2015-04-07

PCT Applications Entering the National Phase

[21] **2,980,836**
[13] A1

[51] **Int.Cl. C11D 3/386 (2006.01) C11D 1/83 (2006.01) C11D 3/00 (2006.01) C11D 3/395 (2006.01) C11D 7/00 (2006.01) C11D 7/42 (2006.01) C11D 7/54 (2006.01)**

[25] EN

[54] **POLYPEPTIDES SUITABLE FOR DETERGENT**

[54] **POLYPEPTIDES APPROPRIES POUR DETERGENT**

[72] BENIE, ASTRID, DK

[72] KNOTZEL, JURGEN C. F., DK

[72] BAUER, MIKAEL, DK

[72] CHRISTENSEN, LARS L. H., DK

[72] RANNES, JULIE B., DK

[72] SKAGERLIND, JAN PETER, SE

[72] GAO, NAN, CN

[71] NOVOZYMES A/S, DK

[85] 2017-09-25

[86] 2016-04-29 (PCT/EP2016/059669)

[87] (WO2016/174234)

[30] EP (15165808.5) 2015-04-29

[21] **2,980,847**
[13] A1

[51] **Int.Cl. C12N 15/45 (2006.01) C07K 14/12 (2006.01) C12N 5/10 (2006.01) C12N 7/00 (2006.01) C12N 7/01 (2006.01) C12N 15/86 (2006.01)**

[25] EN

[54] **RECOMBINANT MUMPS VIRUS JERYL LYNN 2 BASED VACCINE**

[54] **VACCIN BASE SUR LE VIRUS RECOMBINANT DES OREILLONS JERYL LYNN 2**

[72] GLUECK, REINHARD, IN

[72] GIANNINO, VIVIANA, IN

[72] GUPTA, GAURAV, IN

[71] CADILA HEALTHCARE LIMITED, IN

[85] 2017-09-25

[86] 2016-03-28 (PCT/IN2016/000074)

[87] (WO2016/157208)

[30] IN (1055/MUM/2015) 2015-03-27

[21] **2,980,852**
[13] A1

[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/10 (2006.01) C12Q 1/02 (2006.01)**

[25] EN

[54] **MEANS AND METHODS FOR GENERATION OF BREAST STEM CELLS**

[54] **MOYENS ET PROCEDES DE PRODUCTION DE CELLULES SOUCHES DE SEIN**

[72] SCHEEL, CHRISTINA H., DE

[72] LINNEMANN, JELENA R., DE

[72] MEIXNER, LISA K., DE

[72] MIURA, HARUKO, DE

[71] HELMHOLTZ ZENTRUM MUENCHEN DEUTSCHES FORSCHUNGSZENTRUM FUER GESUNDHEIT UND UMWELT (GMBH), DE

[85] 2017-09-25

[86] 2016-04-28 (PCT/IB2016/052407)

[87] (WO2016/174604)

[30] LU (92706) 2015-04-30

[21] **2,980,855**
[13] A1

[51] **Int.Cl. C09K 8/02 (2006.01) E21B 21/00 (2006.01)**

[25] EN

[54] **DOWNHOLE FLUIDS WITH A PARTICULAR IMPEDANCE**

[54] **FLUIDES DE FOND DE Puits PRESENTANT UNE IMPEDANCE PARTICULIERE**

[72] RODNEY, PAUL F., US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-09-25

[86] 2015-05-14 (PCT/US2015/030810)

[87] (WO2016/182576)

[21] **2,980,856**
[13] A1

[51] **Int.Cl. C09K 8/12 (2006.01) C09K 8/08 (2006.01) E21B 21/14 (2006.01) E21B 7/04 (2006.01)**

[25] EN

[54] **DRILLING FLUID FOR USE IN HORIZONTAL DIRECTIONAL DRILLING OPERATIONS**

[54] **FLUIDE DE FORAGE DESTINE A ETRE UTILISE DANS DES OPERATIONS DE FORAGE HORIZONTAL DIRIGE**

[72] MAY, PRESTON ANDREW, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-09-25

[86] 2015-05-21 (PCT/US2015/031915)

[87] (WO2016/186670)

[21] **2,980,870**
[13] A1

[51] **Int.Cl. A01N 59/16 (2006.01) A01C 1/06 (2006.01) A01N 59/20 (2006.01) A01P 21/00 (2006.01)**

[25] EN

[54] **METHOD FOR STIMULATION OF SEEDS**

[54] **PROCEDE DE STIMULATION DE SEMENCES**

[72] PODLASKI, SLAWOMIR, PL

[72] TUL, ANDRZEJ, PL

[72] ORACZ, KRZYSTYNA, PL

[72] CHOMONTOWSKI, CHRYSYTIAN, PL

[72] MALEK, JAROSLAW, PL

[72] SIEJKO, PAWEL, PL

[71] NANO-TECH POLSKA SP. Z.O.O. SP. K., PL

[85] 2017-09-25

[86] 2016-05-25 (PCT/PL2016/000064)

[87] (WO2016/190762)

[30] PL (P.412471) 2015-05-25

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[21] **2,980,878**
[13] A1

[51] **Int.Cl. C22C 38/38 (2006.01) C21D 8/00 (2006.01) C22C 38/02 (2006.01) C22C 38/26 (2006.01) C22C 38/28 (2006.01) C22C 38/32 (2006.01)**

[25] FR

[54] **PARTS WITH A BAINITIC STRUCTURE HAVING HIGH STRENGTH PROPERTIES AND MANUFACTURING PROCESS**

[54] **PIECES A STRUCTURE BAINITIQUE A HAUTES PROPRIETES DE RESISTANCE ET PROCEDE DE FABRICATION**

[72] PERROT-SIMONETTA, MARIE-THERESE, FR

[72] RESIAK, BERNARD, FR

[72] VOLL, ULRICH, DE

[71] ARCELORMITTAL, LU

[85] 2017-09-25

[86] 2016-03-23 (PCT/IB2016/000343)

[87] (WO2016/151390)

[30] IB (PCT/IB2015/000384) 2015-03-23

[21] **2,980,885**
[13] A1

[51] **Int.Cl. C07H 15/10 (2006.01) A23L 33/10 (2016.01) A61K 31/7032 (2006.01) A61K 33/24 (2006.01) A61K 45/06 (2006.01) A61P 21/00 (2006.01) A61P 25/00 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) C07H 11/04 (2006.01) C07H 13/04 (2006.01) C07H 15/06 (2006.01)**

[25] EN

[54] **GLYCOLIPIDS AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR USE IN THERAPY**

[54] **GLYCOLIPIDES ET LEURS COMPOSITIONS PHARMACEUTIQUES DESTINEES A ETRE UTILISEES EN THERAPIE**

[72] BOTTLEY, ANDREW, GB

[72] HAYES, CHRISTOPHER, GB

[72] SEYMOUR, GRAHAM, GB

[72] GRABAWSKA, ANNA, GB

[72] CLARKE, PHILIP, GB

[71] THE UNIVERSITY OF NOTTINGHAM, GB

[85] 2017-09-18

[86] 2015-04-07 (PCT/GB2015/051068)

[87] (WO2015/150839)

[30] GB (1406172.5) 2014-04-04

[21] **2,980,890**
[13] A1

[51] **Int.Cl. A61K 8/02 (2006.01)**

[25] EN

[54] **COSMETIC COMPOSITION CARRIER COMPRISING INEGRATED SPONGE HAVING LAYERED STRUCTURE**

[54] **VEHICULE DE COMPOSITION COSMETIQUE COMPRENANT UNE EPONGE INTEGREE AYANT UNE STRUCTURE EN COUCHES**

[72] CHOI, JUNG SUN, KR

[71] AMOREPACIFIC CORPORATION, KR

[85] 2017-09-25

[86] 2016-04-06 (PCT/KR2016/003564)

[87] (WO2016/163730)

[30] KR (10-2015-0049839) 2015-04-08

[21] **2,980,915**
[13] A1

[51] **Int.Cl. C12Q 1/70 (2006.01) C07H 21/04 (2006.01) C12Q 1/68 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR DETECTING A BIOLOGICAL CONTAMINANT**

[54] **COMPOSITIONS ET METHODES DE DETECTION D'UN CONTAMINANT BIOLOGIQUE**

[72] MONPOEHO, SERGE, US

[72] MINK, SHELDON, US

[72] VESCOIO, PAUL, US

[71] REGENERON PHARMACEUTICALS, INC., US

[85] 2017-09-25

[86] 2016-03-25 (PCT/US2016/024216)

[87] (WO2016/160572)

[30] US (62/139,321) 2015-03-27

[21] **2,980,919**
[13] A1

[51] **Int.Cl. E21B 43/26 (2006.01) C09K 8/64 (2006.01) C09K 8/70 (2006.01) C09K 8/80 (2006.01) E21B 43/267 (2006.01)**

[25] EN

[54] **FRACTURING FLUIDS AND METHODS OF TREATING HYDROCARBON FORMATIONS**

[54] **FLUIDES DE FRACTURATION ET PROCEDES DE TRAITEMENT DE FORMATIONS D'HYDROCARBURES**

[72] NELSON, SCOTT GREGORY, US

[72] ZHOU, JIA, US

[72] LI, LEIMING, US

[71] BAKER HUGHES, A GE COMPANY, LLC, US

[85] 2017-09-25

[86] 2016-03-30 (PCT/US2016/024925)

[87] (WO2016/160927)

[30] US (62/140,105) 2015-03-30

[21] **2,980,924**
[13] A1

[51] **Int.Cl. C09K 5/06 (2006.01) C07C 69/34 (2006.01) C07C 69/52 (2006.01)**

[25] EN

[54] **ALIPHATIC MATERIALS AND USES THEREOF IN HEATING AND COOLING APPLICATIONS**

[54] **MATERIAUX ALIPHATIQUE ET LEURS UTILISATIONS DANS DES APPLICATIONS DE CHAUFFAGE ET DE REFROIDISSEMENT**

[72] BERTIN, PAUL, US

[71] ELEVANCE RENEWABLE SCIENCES, INC., US

[85] 2017-09-25

[86] 2016-04-15 (PCT/US2016/027643)

[87] (WO2016/168527)

[30] US (62/148,263) 2015-04-16

[30] US (62/232,235) 2015-09-24

PCT Applications Entering the National Phase

[21] **2,980,936**
[13] A1

[51] **Int.Cl. A61F 7/03 (2006.01) A61F 7/00 (2006.01) A61F 7/02 (2006.01) A61M 5/31 (2006.01) A61M 5/42 (2006.01)**

[25] EN

[54] **APPLICATOR FOR CRYOANESTHESIA AND ANALGESIA**

[54] **APPLICATEUR POUR CRYOANESTHESIE ET ANALGESIE**

[72] BESIRLI, CAGRI GIRAY, US

[72] SMITH, STEPHEN, US

[72] PIPE, KEVIN P., US

[72] KIM, GUN-HO, US

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

[85] 2017-09-25

[86] 2016-03-24 (PCT/US2016/023944)

[87] (WO2016/154399)

[30] US (62/138,444) 2015-03-26

[30] US (62/237,793) 2015-10-06

[21] **2,980,942**
[13] A1

[51] **Int.Cl. C10M 109/00 (2006.01) C10M 159/02 (2006.01) C10M 173/00 (2006.01)**

[25] EN

[54] **MICROALGAL COMPOSITIONS AND USES THEREOF**

[54] **COMPOSITIONS DE MICRO-ALGUES ET LEURS UTILISATIONS**

[72] SCHIFF-DEB, CELINE, US

[72] MCKEE, ADRIENNE, US

[72] PIECHOCKI, JOHN, US

[72] SPRINGER, STACI, US

[72] SELL, GARRETT, US

[72] SULLIVAN, BRYCE A.R., US

[71] TERRAVIA HOLDINGS, INC., US

[85] 2017-09-25

[86] 2016-03-24 (PCT/US2016/024106)

[87] (WO2016/154490)

[30] US (62/137,784) 2015-03-24

[30] US (62/162,553) 2015-05-15

[30] US (62/175,014) 2015-06-12

[21] **2,980,944**
[13] A1

[51] **Int.Cl. C02F 3/12 (2006.01) C02F 3/00 (2006.01) C02F 3/22 (2006.01)**

[25] EN

[54] **METHOD FOR BIOLOGICAL WASTEWATER PURIFICATION WITH PHOSPHOROUS REMOVAL**

[54] **PROCEDE DE PURIFICATION BIOLOGIQUE D'EAUX USEES PAR ELIMINATION DE PHOSPHORE**

[72] INGERLE, KURT, AT

[71] INGERLE, KURT, AT

[85] 2017-09-26

[86] 2016-02-24 (PCT/AT2016/050039)

[87] (WO2016/154646)

[30] AT (A 50261/2015) 2015-04-02

[21] **2,980,960**
[13] A1

[51] **Int.Cl. C07K 7/06 (2006.01) C07K 1/06 (2006.01) C07K 1/18 (2006.01) C07K 1/30 (2006.01) C07K 1/34 (2006.01) C07K 1/36 (2006.01) C07K 5/083 (2006.01) C07K 5/11 (2006.01) A61K 38/08 (2006.01) A61P 3/14 (2006.01) A61P 5/18 (2006.01) A61P 5/20 (2006.01)**

[25] EN

[54] **SOLUTION PHASE METHOD FOR PREPARING ETELCALCETIDE**

[54] **PROCEDE DE PREPARATION D'ETELCALCETIDE EN PHASE SOLUBLE**

[72] CUI, SHENG, US

[72] RANGANATHAN, KRISHNAKUMAR, US

[72] CROCKETT, RICHARD, US

[72] CHEN, YING, US

[72] SWIETLOW, ALEKSANDER, US

[72] CROSSLEY, KEVIN, US

[72] SHI, YUN, US

[72] DECROOS, KAREL, BE

[72] MONIOTTE, ETIENNE, BE

[71] AMGEN INC., US

[85] 2017-09-25

[86] 2016-03-25 (PCT/US2016/024308)

[87] (WO2016/154580)

[30] US (62/138,903) 2015-03-26

[21] **2,980,969**
[13] A1

[51] **Int.Cl. C09K 5/04 (2006.01)**

[25] EN

[54] **NON OZONE DEPLETING AND LOW GLOBAL WARMING REFRIGERANT BLENDS**

[54] **MELANGES DE FLUIDES FRIGORIGENES N'APPAUVRISANT PAS L'OZONE ET A FAIBLE POTENTIEL DE RECHAUFFEMENT DE LA PLANETE**

[72] POOLE, JOHN EDWARD, GB

[72] POWELL, RIICHARD, GB

[71] RPL HOLDINGS LIMITED, GB

[85] 2017-09-26

[86] 2016-03-23 (PCT/GB2016/050827)

[87] (WO2016/156812)

[30] GB (1505230.1) 2015-03-27

[30] GB (1602586.8) 2016-02-12

[21] **2,980,973**
[13] A1

[51] **Int.Cl. H01M 8/0282 (2016.01) H01M 8/0276 (2016.01) H01M 8/2483 (2016.01) C25B 9/00 (2006.01) C25B 9/04 (2006.01) C25B 9/18 (2006.01)**

[25] EN

[54] **ARRANGEMENT OF ELECTROCHEMICAL CELLS AND THE USE OF SAME**

[54] **ENSEMBLE DE CELLULES ELECTROCHIMIQUES AINSI EMPLOI DUDIT ENSEMBLE**

[72] MEGEL, STEFAN, DE

[72] SCHADT, LUTZ, DE

[72] KUSNEZOFF, MIHAILS, DE

[72] SCHILM, JOCHEN, DE

[72] TROFIMENKO, NIKOLAI, DE

[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE

[85] 2017-09-26

[86] 2016-03-23 (PCT/EP2016/056360)

[87] (WO2016/156145)

[30] DE (10 2015 205 728.3) 2015-03-30

[30] DE (10 2015 205 944.8) 2015-04-01

Demandes PCT entrant en phase nationale

[21] **2,980,975**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61K 31/713 (2006.01) C12N 15/10 (2006.01) C12N 15/87 (2006.01) C07H 21/02 (2006.01)**

[25] EN

[54] **C/EBP ALPHA SARNA COMPOSITIONS AND METHODS OF USE**

[54] **COMPOSITIONS DE SARNA C/EBP ALPHA ET METHODES D'UTILISATION**

[72] WAGNER, ANDREAS, AT
[72] HABIB, ROBERT, GB
[72] HUBER, HANS E., US
[72] SÆTROM, PAL, NO
[72] STOVNER, ENDRE BAKKEN, NO
[72] HOSSBACH, MARKUS, DE
[72] KRAMPERT, MONIKA, DE
[72] VORNLOCHER, HANS-PETER, DE
[71] MINA THERAPEUTICS LIMITED, GB

[85] 2017-09-26
[86] 2016-04-21 (PCT/GB2016/051117)
[87] (WO2016/170349)
[30] US (62/235,778) 2015-10-01
[30] US (62/150,889) 2015-04-22
[30] US (62/308,521) 2016-03-15

[21] **2,980,981**
[13] A1

[51] **Int.Cl. E21B 37/00 (2006.01) C08J 11/06 (2006.01) C09K 8/52 (2006.01) C09K 8/80 (2006.01) E21B 21/00 (2006.01) E21B 43/26 (2006.01) E21B 43/267 (2006.01)**

[25] EN

[54] **CASING FLUSH FLUID, RECYCLABLE CLEANOUT FLUIDS, AND APPLICATIONS THEREOF**

[54] **FLUIDE DE RINCAGE DE TUBAGE, FLUIDES DE NETTOYAGE RECYCLABLES, ET APPLICATIONS ASSOCIEES**

[72] NELSON, SCOTT G., US
[72] LI, LEIMING, US
[72] SUN, HONG, US
[72] ZHOU, JIA, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US

[85] 2017-09-25
[86] 2016-03-30 (PCT/US2016/024861)
[87] (WO2016/160899)
[30] US (62/140,105) 2015-03-30

[21] **2,980,982**
[13] A1

[51] **Int.Cl. C12N 7/01 (2006.01) A61K 39/00 (2006.01) A61K 39/12 (2006.01) C07K 14/08 (2006.01) C12N 7/00 (2006.01) C12N 15/40 (2006.01) C12Q 1/68 (2006.01) C12Q 1/70 (2006.01)**

[25] EN

[54] **IPN VIRUS GENOME MUTATIONS AND CODON INTERACTIONS AND CODON INTERACTIONS MUTATIONS DU GENOME DU VIRUS DE LA NPI ET INTERACTIONS DES CODONS**

[72] EVENSEN, OYSTEIN, NO
[71] FVG LIMITED, GB

[85] 2017-09-26
[86] 2016-03-22 (PCT/GB2016/050797)
[87] (WO2016/156799)
[30] GB (1505310.1) 2015-03-27

[21] **2,980,988**
[13] A1

[51] **Int.Cl. E21B 43/26 (2006.01) C09K 8/50 (2006.01) E21B 33/138 (2006.01)**

[25] EN

[54] **USE OF SUPERABSORBENT POLYMERS FOR PRESSURE CONTROL AND DIVERSION APPLICATIONS**

[54] **UTILISATION DE POLYMERES SUPERABSORBANTS POUR DES APPLICATIONS DE DERIVATION ET DE REGULATION DE PRESSION**

[72] ZHOU, JIA, US
[72] BRANNON, HAROLD DEAN, US
[72] CARMAN, PAUL S., US
[72] LI, LEIMING, US
[72] STARKS, THOMAS RAY, II., US
[72] GUPTA, D.V. SATYANARAYANA, US

[72] HUDSON, HAROLD G., US
[72] NELSON, SCOTT G., US
[71] BAKER HUGHES, A GE COMPANY, LLC, US

[85] 2017-09-25
[86] 2016-03-30 (PCT/US2016/024868)
[87] (WO2016/160904)
[30] US (62/140,105) 2015-03-30

[21] **2,980,998**
[13] A1

[51] **Int.Cl. B28C 5/00 (2006.01) B28C 7/02 (2006.01) B28C 7/12 (2006.01) C09K 8/48 (2006.01) E21B 33/13 (2006.01) E21B 33/14 (2006.01)**

[25] EN

[54] **BEAD SUSPENSION MIXING WITH CEMENT SLURRY**

[54] **MELANGE DE SUSPENSION DE BILLES AVEC DU LAITIER DE CIMENT**

[72] MENDENALL, PAUL, US
[72] BRENNEIS, CHAD, US
[72] MORGAN, RICKEY, US
[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-09-26
[86] 2015-04-28 (PCT/US2015/027870)
[87] (WO2016/175754)

[21] **2,981,001**
[13] A1

[51] **Int.Cl. B22F 3/16 (2006.01) B22F 5/00 (2006.01) E21B 21/00 (2006.01) F04C 2/08 (2006.01)**

[25] EN

[54] **SINTERING A MULTI-LOBED HELICAL ROTOR**

[54] **FRITTAGE D'UN ROTOR HELICOIDAL A LOBES MULTIPLES**

[72] PEER, RICHARD DAVID, US
[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-09-26
[86] 2015-05-04 (PCT/US2015/029070)
[87] (WO2016/178663)

[21] **2,981,008**
[13] A1

[51] **Int.Cl. C22C 49/14 (2006.01) C22C 47/00 (2006.01)**

[25] EN

[54] **ULTRAHIGH TEMPERATURE ELASTIC METAL COMPOSITES**

[54] **COMPOSITES METALLIQUE ELASTIQUE POUR TEMPERATURE TRES ELEVEE**

[72] XU, ZHIYUE, US
[72] YU, CHENGJIAO, US
[72] ZHAO, LEI, US
[72] WANG, KE, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US

[85] 2017-09-26
[86] 2016-02-25 (PCT/US2016/019551)
[87] (WO2016/160188)
[30] US (14/676,864) 2015-04-02

PCT Applications Entering the National Phase

[21] **2,981,062**
[13] A1

[51] **Int.Cl. C08L 83/04 (2006.01) B33Y 40/00 (2015.01) B29C 64/124 (2017.01) A61C 13/00 (2006.01) C08J 5/18 (2006.01) C08K 5/00 (2006.01) C08L 23/06 (2006.01) C08L 23/12 (2006.01) C08L 69/00 (2006.01)**

[25] EN

[54] **THREE-DIMENSIONAL FABRICATING SYSTEMS RAPIDLY PRODUCING OBJECTS**

[54] **SYSTEMES DE FABRICATION EN TROIS DIMENSIONS PRODUISANT RAPIDEMENT DES OBJETS**

[72] SUN, BENJAMIN JIEMIN, US
[72] LICHKUS, ANDREW M., US
[71] DENTSPLY SIRONA INC., US
[85] 2017-09-26
[86] 2016-03-31 (PCT/US2016/025401)
[87] (WO2016/161194)
[30] US (62/140,868) 2015-03-31

[21] **2,981,072**
[13] A1

[51] **Int.Cl. B32B 7/12 (2006.01) B32B 27/34 (2006.01) B32B 37/12 (2006.01)**

[25] EN

[54] **MULTI-PLY FILMS FOR STERILIZATION OR PASTEURIZATION PROCESSES**

[54] **FILMS A COUCHES MULTIPLES POUR PROCESSUS DE STERILISATION OU DE PASTEURISATION**

[72] KOMRO, RONALD W., US
[72] RAY, JAMES DONALD, II, US
[72] SHERRILL, AMY WHITEMAN, US
[72] KNIGHT, MICKEL ERNST, US
[72] HOUCK, JUSTIN EDWARD, US
[71] PRINTPACK ILLINOIS, INC., US
[85] 2017-09-26
[86] 2016-04-01 (PCT/US2016/025642)
[87] (WO2016/161330)
[30] US (62/141,783) 2015-04-01

[21] **2,981,099**
[13] A1

[51] **Int.Cl. B32B 7/02 (2006.01) B32B 27/08 (2006.01) B32B 27/32 (2006.01)**

[25] EN

[54] **RECYCLABLE POLYETHYLENE FILM**

[54] **PELLICULE DE POLYETHYLENE RECYCLABLE**

[72] GREFENSTEIN, ACHIM, DE
[72] BUTTNER, STEFAN, DE
[72] GEILLERSDORFER, INGO, DE
[71] CONSTANTIA HUECK FOLIEN GMBH & CO. KG, DE
[85] 2017-09-27
[86] 2016-03-29 (PCT/EP2016/056767)
[87] (WO2016/156293)
[30] AT (A 50249/2015) 2015-03-27

[21] **2,981,100**
[13] A1

[51] **Int.Cl. B01J 2/04 (2006.01) A61K 9/14 (2006.01) A61K 31/56 (2006.01) A61J 3/00 (2006.01)**

[25] EN

[54] **CONTINUOUS PRODUCTION OF PARTICLES**

[54] **PRODUCTION CONTINUE DE PARTICULES**

[72] FONSECA, TIAGO, PT
[72] DUARTE, IRIS, PT
[72] TEMTEM, MARCIO, PT
[72] VICENTE, JOAO, PT
[71] HOVIONE SCIENTIA LIMITED, IE
[85] 2017-09-27
[86] 2016-03-30 (PCT/GB2016/050894)
[87] (WO2016/156841)
[30] PT (108368) 2015-03-31

[21] **2,981,113**
[13] A1

[51] **Int.Cl. C09J 133/06 (2006.01) C09J 125/00 (2006.01)**

[25] EN

[54] **AQUEOUS COLD SEAL ADHESIVE**

[54] **COLLE A FROID AQUEUSE**

[72] NABIFAR, AFSANEH, DE
[72] SCHUMACHER, KARL-HEINZ, DE
[72] KUNTZ, ANDREA, DE
[72] KIENER, CHRISTOPH, DE
[72] BEK, MARTIN, NL
[71] BASF SE, DE
[85] 2017-09-27
[86] 2016-04-08 (PCT/EP2016/057724)
[87] (WO2016/169788)
[30] EP (15164275.8) 2015-04-20

[21] **2,981,115**
[13] A1

[51] **Int.Cl. C12N 15/13 (2006.01) A61K 39/395 (2006.01) A61P 19/08 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01) C12N 5/10 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **ANTI-DKK-1-ANTI-RANKL BISPECIFIC ANTIBODY COMPOUNDS**

[54] **COMPOSES D'ANTICORPS BISPECIFIQUES ANTI-DKK-1-ANTI-RANKL**

[72] KORYTKO, ANDREW, US
[72] OBUNGU, VICTOR H, US
[71] ELI LILLY AND COMPANY, US
[85] 2017-09-26
[86] 2016-05-12 (PCT/US2016/032108)
[87] (WO2016/186957)
[30] US (62/163,044) 2015-05-18

[21] **2,981,121**
[13] A1

[51] **Int.Cl. C08F 236/10 (2006.01) C08F 2/00 (2006.01) C08F 8/00 (2006.01) C08J 3/24 (2006.01) C08K 3/04 (2006.01) C08K 3/36 (2006.01) C08L 9/06 (2006.01)**

[25] EN

[54] **INITIATORS FOR THE COPOLYMERISATION OF DIENE MONOMERS AND VINYL AROMATIC MONOMERS**

[54] **INITIATEURS POUR LA COPOLYMERISATION DE MONOMERES DIENIQUES ET DE MONOMERES AROMATIQUES VINyliQUES**

[72] JANOWSKI, BARTLOMIEJ, PL
[72] KOZAK, RADOSLAW, PL
[72] WEDA, PAWEL, PL
[72] ROBAK, BARBARA, PL
[71] SYNTHOS S.A., PL
[85] 2017-09-27
[86] 2016-04-08 (PCT/EP2016/057757)
[87] (WO2016/162482)
[30] EP (15461524.9) 2015-04-10

Demandes PCT entrant en phase nationale

[21] **2,981,124**
[13] A1

[51] **Int.Cl. B32B 3/06 (2006.01) B60J 10/70 (2016.01) B32B 17/06 (2006.01) C03C 17/34 (2006.01) B60J 1/10 (2006.01)**

[25] EN

[54] **PANE WITH THERMAL-RADIATION-REFLECTING COATING AND FASTENING OR SEALING ELEMENT ATTACHED THERETO**

[54] **VITRE POURVUE D'UN REVETEMENT REFLECHISSANT UN RAYONNEMENT THERMIQUE, ET ELEMENT DE FIXATION OU D'ETANCHEITE MONTE SUR CETTE VITRE**

[72] MANZ, FLORIAN, DE
[72] HAGEN, JAN, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR

[85] 2017-09-27
[86] 2016-05-10 (PCT/EP2016/060475)
[87] (WO2016/184732)
[30] EP (15167777.0) 2015-05-15

[21] **2,981,128**
[13] A1

[51] **Int.Cl. C08F 236/04 (2006.01) B60C 1/00 (2006.01) C08F 230/08 (2006.01) C08K 3/04 (2006.01) C08K 3/36 (2006.01) C08L 9/06 (2006.01)**

[25] EN

[54] **ELASTOMERIC COPOLYMERS BASED ON [BIS (TRIHYDROCARBYLSILYL) AMINOSILYL]-FUNCTIONALIZED STYRENE AND THEIR USE IN THE PREPARATION OF RUBBERS**

[54] **COPOLYMERES ELASTOMERES A BASE DE STYRENE FONCTIONNALISE PAR UN GROUPE BIS (TRIHYDROCARBYLSILYL) AMINOSILYLE ET LEUR UTILISATION DANS LA PREPARATION DE CAOUTCHOUCS**

[72] JANOWSKI, BARTLOMIEJ, PL
[72] ROGOZA, JAROSLAW, PL
[72] KOZAK, RADOSLAW, PL
[72] WEDA, PAWEL, PL
[72] ROBAK, BARBARA, PL
[71] SYNTHOS S.A., PL

[85] 2017-09-27
[86] 2016-04-08 (PCT/EP2016/057834)
[87] (WO2016/162528)
[30] EP (15461525.6) 2015-04-10

[21] **2,981,160**
[13] A1

[51] **Int.Cl. C07H 21/00 (2006.01) C12P 19/34 (2006.01) C12N 15/53 (2006.01)**

[25] EN

[54] **PCR AMPLIFICATION METHODS AND KITS FOR DETECTING AND QUANTIFYING SULFATE-REDUCING BACTERIA**

[54] **PROCEDES ET TROUSSES DE REACTION D'AMPLIFICATION EN CHAINE PAR POLYMERASE (PCR) POUR LA DETECTION ET LA QUANTIFICATION DE BACTERIES SULFATO-REDUCTRICES**

[72] LEE, CRYSTAL, US
[72] SHARMA, NEIL, US
[72] REEVES, ANGELA, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US

[85] 2017-09-06
[86] 2016-03-11 (PCT/US2016/022098)
[87] (WO2016/145361)
[30] US (62/132,170) 2015-03-12
[30] US (15/066,558) 2016-03-10

[21] **2,981,162**
[13] A1

[51] **Int.Cl. C08J 9/02 (2006.01) C08G 65/36 (2006.01)**

[25] FR

[54] **THERMOSET FOAMS AND MANUFACUTRING PROCESS**

[54] **MOUSSES THERMODURCIES ET PROCEDE DE FABRICATION**

[72] SAVONNET, MARIE, FR
[72] SALOMON, PIERRE, FR
[72] OBERT, EDOUARD, FR
[71] SAINT-GOBAIN ISOVER, FR

[85] 2017-09-27
[86] 2016-04-19 (PCT/FR2016/050906)
[87] (WO2016/174328)
[30] FR (1553771) 2015-04-27

[21] **2,981,182**
[13] A1

[51] **Int.Cl. C09K 8/80 (2006.01)**

[25] EN

[54] **HARD AND SALT WATER RESISTANT SELF SUSPENDING PROPPANTS**

[54] **AGENTS DE SOUTENEMENT EN AUTO-SUSPENSION DURS ET RESISTANTS A L'EAU SALEE**

[72] ABOUSHABANA, MOUSTAFA, US
[72] JOSYULA, KANTH V., US
[72] YANG, HUAXIANG, US
[72] MEHTA, VINAY, US
[71] SELF-SUSPENDING PROPPANT LLC, US

[85] 2017-09-27
[86] 2016-04-06 (PCT/US2016/026166)
[87] (WO2016/164426)
[30] US (62/144,775) 2015-04-08

[21] **2,981,194**
[13] A1

[51] **Int.Cl. C08L 33/12 (2006.01) C08F 2/00 (2006.01) C08J 3/24 (2006.01) C08J 9/04 (2006.01)**

[25] EN

[54] **PRODUCTION OF A PMMA FOAM USING CROSS-LINKING AGENTS, REGULATORS AND BLOWING AGENTS**

[54] **FABRICATION D'UNE MOUSSE DE PMMA PAR L'UTILISATION D'AGENTS RETICULANTS, DE REGULATEURS ET D'AGENTS GONFLANTS**

[72] RICHTER, THOMAS, DE
[72] SEIPEL, CHRISTOPH, DE
[72] BERNHARD, KAY, DE
[72] KRISHNAMOORTHY, SIVAKUMARA K., DE
[72] BUHLER, SEBASTIAN, DE
[71] EVONIK ROHM GMBH, DE

[85] 2017-09-28
[86] 2016-03-21 (PCT/EP2016/056085)
[87] (WO2016/156078)
[30] EP (15161898.0) 2015-03-31

PCT Applications Entering the National Phase

[21] **2,981,210**
[13] A1

[51] **Int.Cl. C08L 7/00 (2006.01) B60C 1/00 (2006.01) C08J 3/24 (2006.01) C08K 3/06 (2006.01) C08K 5/14 (2006.01) C08L 23/16 (2006.01)**

[25] EN

[54] **CROSSLINKABLE RUBBER COMPOSITION**

[54] **COMPOSITION DE CAOUTCHOUC RETICULABLE**

[72] CAO, WEIQI, CN
[72] XU, SHAOGANG, CN
[72] BEEK, WALDO JOSEPH ELISABETH, NL
[72] TALMA, AUKE GERARDUS, NL
[72] VAN DER SCHUUR, JAN MARTIJN, NL
[72] WILLINK, DAAN, NL
[71] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL
[85] 2017-09-28
[86] 2016-04-20 (PCT/EP2016/058687)
[87] (WO2016/169945)
[30] CN (PCT/CN2015/077277) 2015-04-23
[30] EP (15172278.2) 2015-06-16

[21] **2,981,221**
[13] A1

[51] **Int.Cl. C08L 33/12 (2006.01) C08F 2/00 (2006.01) C08J 9/04 (2006.01) C08K 3/36 (2006.01)**

[25] EN

[54] **PRODUCTION OF FINE-PORED PMMA FOAMS USING NUCLEATING AGENTS**

[54] **FABRICATION DE MOUSSES DE PMMA A PORES FINS PAR L'UTILISATION D'AGENTS DE NUCLEATION**

[72] RICHTER, THOMAS, DE
[72] SEIPEL, CHRISTOPH, DE
[72] BERNHARD, KAY, DE
[72] KRISHNAMOORTHY, SIVAKUMARA K., DE
[72] BUHLER, SEBASTIAN, DE
[71] EVONIK ROHM GMBH, DE
[85] 2017-09-28
[86] 2016-03-24 (PCT/EP2016/056477)
[87] (WO2016/156172)
[30] EP (15161905.3) 2015-03-31

[21] **2,981,243**
[13] A1

[51] **Int.Cl. C22B 7/04 (2006.01) C04B 5/00 (2006.01) C04B 7/153 (2006.01) C22B 4/00 (2006.01) C22C 32/00 (2006.01)**

[25] EN

[54] **IMPROVED SLAG FROM NON-FERROUS METAL PRODUCTION**

[54] **SCORIES AMELIOREES PROVENANT D'UNE PRODUCTION DE METAUX NON FERREUX**

[72] CHINTINNE, MATHIAS, BE
[72] GEENEN, CHARLES, BE
[72] GORIS, DIRK, BE
[71] METALLO BELGIUM, BE
[85] 2017-09-28
[86] 2016-03-30 (PCT/EP2016/056916)
[87] (WO2016/156394)
[30] EP (15248015.8) 2015-04-03

[21] **2,981,325**
[13] A1

[51] **Int.Cl. B32B 27/16 (2006.01) B32B 27/08 (2006.01)**

[25] EN

[54] **MULTILAYER SHRINK FILM WITH SCISSION LAYER**

[54] **FILM RETRACTABLE MULTICOUCHE A COUCHE DE SCISSION**

[72] SHI, GUANGDA, US
[72] BORMANN, KURT, US
[71] CLYSAR LLC, US
[85] 2017-09-28
[86] 2016-03-31 (PCT/US2016/025112)
[87] (WO2016/161048)
[30] US (62/142,305) 2015-04-02

[21] **2,981,362**
[13] A1

[51] **Int.Cl. C08L 101/12 (2006.01) B32B 27/08 (2006.01) B32B 37/15 (2006.01) B41M 5/50 (2006.01) C08J 5/18 (2006.01) C09J 7/02 (2006.01) G09F 3/02 (2006.01)**

[25] EN

[54] **NON-PVC LABEL FILM FOR PRINTING**

[54] **FILM NON CONSTITUE DE PVC POUR ETIQUETTE, DESTINE A L'IMPRESSION**

[72] WANG, SHANSHAN, US
[72] ARNETT, MELISSA, US
[72] BLAND, DAVID G., US
[72] CHEN, WEN-LI A., US
[72] XU, BEN, US
[71] AVERY DENNISON CORPORATION, US
[85] 2017-09-28
[86] 2016-04-14 (PCT/US2016/027401)
[87] (WO2016/168387)
[30] US (62/147,691) 2015-04-15
[30] US (62/300,165) 2016-02-26

[21] **2,981,370**
[13] A1

[51] **Int.Cl. C09K 8/528 (2006.01) C02F 5/10 (2006.01) E21B 37/06 (2006.01) E21B 43/28 (2006.01)**

[25] EN

[54] **COMPOSITION AND METHOD FOR INHIBITION OF SULFIDE SCALES**

[54] **COMPOSITION ET PROCEDE PERMETTANT D'INHIBER LES DEPOTS SULFURES**

[72] OKOCHA, CYRIL EMEKA, US
[72] WYLDE, JONATHAN, US
[71] CLARIANT INTERNATIONAL LTD, CH
[85] 2017-09-29
[86] 2016-03-01 (PCT/EP2016/054293)
[87] (WO2016/155967)
[30] US (14/677,500) 2015-04-02
[30] EP (15001250.8) 2015-04-28

Demandes PCT entrant en phase nationale

[21] **2,981,374**
[13] A1

[51] **Int.Cl. B22C 9/02 (2006.01) B21J 5/00 (2006.01) B22D 27/04 (2006.01)**

[25] FR

[54] **SAND SHELL-MOULDING METHOD FOR THE PRODUCTION OF A PART FOR USE IN THE AUTOMOTIVE AND AERONAUTICS FIELDS**

[54] **PROCEDE DE MOULAGE EN CARAPACE SABLE POUR LA REALISATION D'UNE PIECE DANS LE DOMAINE DE L'AUTOMOBILE ET DE L'AERONAUTIQUE**

[72] DI SERIO, EMILE THOMAS, FR
[72] MALHERBE, GUILLAUME, FR
[72] DUPERRAY, LIONEL, FR
[71] SAINT JEAN INDUSTRIES, FR
[85] 2017-09-29
[86] 2016-03-16 (PCT/FR2016/050579)
[87] (WO2016/156692)
[30] FR (1552788) 2015-04-01

[21] **2,981,396**
[13] A1

[51] **Int.Cl. C23F 11/173 (2006.01)**

[25] EN

[54] **PROCESS FOR INHIBITING THE CORROSION OF METAL SURFACES**

[54] **PROCEDE POUR INHIBER LA CORROSION DE SURFACES METALLIQUES**

[72] ODIOT, KARINE, DE
[71] BASF SE, DE
[85] 2017-09-29
[86] 2016-04-04 (PCT/EP2016/057348)
[87] (WO2016/162307)
[30] EP (15163196.7) 2015-04-10

[21] **2,981,440**
[13] A1

[51] **Int.Cl. A61K 9/16 (2006.01) A61J 3/02 (2006.01) A61K 47/26 (2006.01)**

[25] EN

[54] **PROCESS FOR MANUFACTURING DRY POWDER BLENDS**

[54] **PROCEDE POUR LA FABRICATION DE MELANGES DE POUDRES SECHES**

[72] GUPTA, ABHISHEK, US
[72] CHIOU, HERBERT CLARK, US
[72] DE, SAMIRAN, US
[72] KOPPENHAGEN, FRANCISCUS, US
[72] ZENG, XIAN-MING, US
[71] LUPIN ATLANTIS HOLDINGS SA, CH
[85] 2017-09-29
[86] 2016-04-01 (PCT/IB2016/000418)
[87] (WO2016/156970)
[30] IN (380/KOL/2015) 2015-04-01

[21] **2,981,445**
[13] A1

[51] **Int.Cl. C08L 67/04 (2006.01) B33Y 70/00 (2015.01) B29C 67/00 (2017.01) B29C 67/24 (2006.01) C08J 3/20 (2006.01) C08K 11/00 (2006.01)**

[25] EN

[54] **COMPOSITE MATERIAL COMPRISING AT LEAST ONE THERMOPLASTIC RESIN AND GRANULAR SHIVE FROM HEMP AND / OR FLAX**

[54] **MATERIAU COMPOSITE COMPRENANT AU MOINS UNE RESINE THERMOPLASTIQUE ET GRANULAIRE DE CHANVRE ET/OU DE LIN**

[72] MILAZZO, GIOVANNI, IT
[71] MICA S.R.L., IT
[85] 2017-09-29
[86] 2016-04-01 (PCT/IB2016/051882)
[87] (WO2016/157151)
[30] IT (102015000010935) 2015-04-03

[21] **2,981,481**
[13] A1

[51] **Int.Cl. H01M 4/133 (2010.01) H01M 4/1393 (2010.01) B82Y 30/00 (2011.01) H01M 4/62 (2006.01) H01M 10/0525 (2010.01)**

[25] EN

[54] **HIGH CAPACITY ELECTRODES**

[54] **ELECTRODES A HAUTE CAPACITE**

[72] HONG, HAIPING, US
[72] SALEM, DAVID R., US
[72] CHRISTENSEN, GREGORY LEE, US
[72] YANG, RUIDONG, US
[71] SOUTH DAKOTA BOARD OF REGENTS, US
[85] 2017-09-29
[86] 2015-04-25 (PCT/US2015/027682)
[87] (WO2015/164848)
[30] US (61/984,118) 2014-04-25
[30] US (62/094,709) 2014-12-19

[21] **2,981,567**
[13] A1

[51] **Int.Cl. B32B 3/08 (2006.01) B32B 15/14 (2006.01) B32B 37/18 (2006.01) B60J 5/04 (2006.01) C23C 30/00 (2006.01)**

[25] EN

[54] **PANEL FOR VEHICLE COMPRISING A COATED STEEL SHEET LOCALLY REINFORCED**

[54] **PANNEAU POUR VEHICULE COMPRENANT UNE TOLE D'ACIER REVETUE LOCALEMENT RENFORCEE**

[72] DOSDAT, LAURENCE, FR
[72] AMBLARD, MATTHIEU, FR
[71] ARCELORMITTAL, LU
[85] 2017-10-02
[86] 2016-03-22 (PCT/IB2016/000332)
[87] (WO2016/156959)
[30] IB (PCT/IB2015/000422) 2015-03-31

PCT Applications Entering the National Phase

[21] **2,981,570**
[13] A1

[51] **Int.Cl. A61F 2/02 (2006.01) A61K 35/747 (2015.01) A61K 9/00 (2006.01) A61K 38/43 (2006.01) A61L 31/16 (2006.01) A61M 31/00 (2006.01)**

[25] FR

[54] **IMPLANTABLE INTESTINAL REACTOR**

[54] **REACTEUR INTESTINAL IMPLANTABLE**

[72] CINQUIN, PHILIPPE, FR

[72] SCHNEIDER, DOMINIQUE, FR

[72] MAURIN, MAX, FR

[72] MARTIN, DONALD, FR

[72] EL ICHI, SARRA, FR

[72] ZEBDA, ABDELKADER, FR

[72] ALCARAZ, JEAN-PIERRE, FR

[72] RECHE, FABIAN, FR

[72] TUVIGNON, PATRICK, FR

[72] THELU, JACQUES, FR

[72] LE GOUELLEC, AUDREY, FR

[72] TOUSSAINT, BERTRAND, FR

[71] UNIVERSITE GRENOBLE ALPES, FR

[71] CENTRE HOSPITALIER UNIVERSITAIRE GRENOBLE, FR

[85] 2017-10-02

[86] 2016-04-04 (PCT/EP2016/057304)

[87] (WO2016/156612)

[30] FR (1552927) 2015-04-03

[21] **2,981,588**
[13] A1

[51] **Int.Cl. A01N 1/02 (2006.01)**

[25] EN

[54] **ORGAN PRESERVATION COMPOSITION**

[54] **COMPOSITION DE CONSERVATION D'ORGANE**

[72] DOORSCHODT, BENEDICT MARIE, NL

[71] TX INNOVATIONS B.V., NL

[85] 2017-10-02

[86] 2016-04-01 (PCT/NL2016/050228)

[87] (WO2016/159773)

[30] NL (2014584) 2015-04-03

[21] **2,981,601**
[13] A1

[51] **Int.Cl. A61K 31/519 (2006.01) A61K 9/48 (2006.01) A61K 47/12 (2006.01) A61K 47/20 (2006.01) A61K 47/38 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **COMPOSITIONS CONTAINING IBRUTINIB**

[54] **COMPOSITIONS CONTENANT DE L'IBRUTINIB**

[72] GOLE, DILIP, US

[72] GUPTA, MANISH KUMAR, IN

[72] TAMBWEKAR, KAUSTUBH, BE

[72] NAIR, BINURAJ KRISHNAN, IN

[72] BERNINI, MARISTELLA, BE

[72] INGHELBRECHT, SABINE, BE

[71] JANSSEN PHARMACEUTICA NV, BE

[85] 2017-10-02

[86] 2016-04-06 (PCT/US2016/026134)

[87] (WO2016/164404)

[30] US (62/143,659) 2015-04-06

[21] **2,981,610**
[13] A1

[51] **Int.Cl. H01M 2/10 (2006.01) H01M 10/6235 (2014.01) H01M 10/658 (2014.01) H01R 13/52 (2006.01) H02J 7/00 (2006.01) H02P 6/20 (2016.01) H05K 1/00 (2006.01) H05K 5/06 (2006.01) H05K 7/20 (2006.01) A61B 17/14 (2006.01) A61B 17/16 (2006.01)**

[25] EN

[54] **AUTOCLAVE TOLERANT BATTERY POWERED MOTORIZED SURGICAL HAND PIECE TOOL AND MOTOR CONTROL METHOD**

[54] **OUTIL DE PIECE A MAIN CHIRURGICAL, MOTORISE ET ALIMENTE PAR BATTERIE SUPPORTANT L'AUTOCLAVE ET PROCEDE DE COMMANDE DE MOTEUR**

[72] MACDONALD, ALISTAIR M., US

[72] SIEH, JOHN K., US

[72] DECESARE, MICHAEL J., US

[72] KIENMAN, RICHARD E., US

[72] GONZALEZ, DAVID, US

[72] MEDERO, RICHARD, US

[71] CONMED CORPORATION, US

[85] 2017-10-03

[86] 2016-04-01 (PCT/US2016/025623)

[87] (WO2016/161322)

[30] US (62/142,595) 2015-04-03

[21] **2,981,620**
[13] A1

[51] **Int.Cl. C11D 17/08 (2006.01) C11D 3/40 (2006.01)**

[25] EN

[54] **DETERGENT COMPOSITIONS COMPRISING AND A SHADING DYE INCORPORATED INTO A WATER-SOLUBLE FILM**

[54] **COMPOSITIONS DETERGENTES COMPRENANT UN COLORANT DE NUANCAGE INCORPORE DANS UN FILM SOLUBLE DANS L'EAU**

[72] MIRACLE, GREGORY SCOT, US

[72] TULCHINSKY, EVA JEAN, US

[72] DITULLIO, DANIEL DALE, JR., US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2017-10-02

[86] 2016-04-19 (PCT/US2016/028257)

[87] (WO2016/172088)

[30] US (14/694,096) 2015-04-23

[21] **2,981,628**
[13] A1

[51] **Int.Cl. C08L 53/02 (2006.01) C04B 26/04 (2006.01) C08L 91/00 (2006.01) C10M 101/02 (2006.01) C10M 143/12 (2006.01) C10M 169/04 (2006.01)**

[25] FR

[54] **CLEAR BINDER AND APPLICATIONS OF SAME**

[54] **LIANT CLAIR ET SES APPLICATIONS**

[72] BARJON, DANIELE, FR

[72] GAMET, OLIVIER, FR

[72] MOUAZEN, MOUHAMAD, FR

[71] TOTAL MARKETING SERVICES, FR

[85] 2017-10-03

[86] 2016-04-13 (PCT/EP2016/058108)

[87] (WO2016/166152)

[30] FR (1553197) 2015-04-13

Demandes PCT entrant en phase nationale

[21] **2,981,631**
[13] A1

[51] **Int.Cl. A61K 31/519 (2006.01) A61P 37/00 (2006.01)**

[25] EN

[54] **A SPECIFIC TRIFLUOROETHYL QUINOLINE ANALOGUE FOR USE IN THE TREATMENT OF SJOGREN'S SYNDROME**

[54] **ANALOGUE DE TRIFLUOROETHYL QUINOLINE SPECIFIQUE DESTINE A ETRE UTILISE DANS LE TRAITEMENT DU SYNDROME DE SJOGREN**

[72] ALLEN, RODGER ANTHONY, GB
[72] BARONE, FRANCESCA, GB
[72] FAHY, WILLIAM ANTHONY, GB
[72] NAYAR, SABA, GB
[71] UCB BIOPHARMA SPRL, BE
[85] 2017-10-03
[86] 2016-04-20 (PCT/EP2016/058810)
[87] (WO2016/170014)
[30] GB (1506786.1) 2015-04-21

[21] **2,981,634**
[13] A1

[51] **Int.Cl. F16L 58/18 (2006.01) C09K 3/10 (2006.01) C10M 171/00 (2006.01) C23C 28/00 (2006.01) E21B 17/042 (2006.01) F16B 33/06 (2006.01) F16L 15/00 (2006.01) F16L 57/00 (2006.01) F16L 58/04 (2006.01)**

[25] EN

[54] **THREADED TUBULAR ELEMENT PROVIDED WITH A METALLIC ANTI-GALLING COATING AND A LUBRICANT LAYER**

[54] **ELEMENT TUBULAIRE FILETE POURVU D'UN REVETEMENT ANTI-GRIPPAGE METALLIQUE ET D'UNE COUCHE LUBRIFIANTE**

[72] VERLEENE, ARNAUD, FR
[72] BAUDIN, NICOLAS, FR
[72] VOGT, CEDRIC, FR
[72] JAAFAR, ADIL, FR
[71] VALLOUREC OIL AND GAS FRANCE, FR
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2017-10-03
[86] 2016-04-21 (PCT/EP2016/058848)
[87] (WO2016/170032)
[30] FR (15/53662) 2015-04-23

[21] **2,981,640**
[13] A1

[51] **Int.Cl. E21B 17/042 (2006.01) C09K 3/10 (2006.01) C10M 171/00 (2006.01) C23C 28/00 (2006.01) F16L 57/00 (2006.01) F16L 58/08 (2006.01)**

[25] EN

[54] **THREADED TUBULAR CONNECTION PROVIDED WITH A METALLIC COATING ON THE THREADING AND ON THE SEALING SURFACE**

[54] **RACCORD TUBULAIRE FILETE PORTANT UN REVETEMENT METALLIQUE SUR LE FILETAGE ET SUR LA SURFACE DE CONTACT**

[72] VERLEENE, ARNAUD, FR
[72] BAUDIN, NICOLAS, FR
[72] VOGT, CEDRIC, FR
[72] JAAFAR, ADIL, FR
[71] VALLOUREC OIL AND GAS FRANCE, FR
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2017-10-03
[86] 2016-04-21 (PCT/EP2016/058866)
[87] (WO2016/170037)
[30] FR (FR1553663) 2015-04-23

[21] **2,981,648**
[13] A1

[51] **Int.Cl. C08J 9/26 (2006.01) C08J 3/20 (2006.01) C08J 9/35 (2006.01) H01B 1/20 (2006.01)**

[25] FR

[54] **THERMALLY AND/OR ELECTRICALLY CONDUCTIVE MATERIALS AND METHOD FOR THE PRODUCTION THEREOF**

[54] **MATERIAUX CONDUCTEURS THERMIQUES ET/OU ELECTRIQUES ET LEUR PROCEDE DE PREPARATION**

[72] PREBE, ARNAUD, FR
[72] DUFOUR, BRUNO, FR
[72] AYME-PERROT, DAVID, FR
[72] BUREAU, YANNICK, FR
[72] SONNTAG, PHILIPPE, FR
[71] HUTCHINSON, FR
[85] 2017-10-03
[86] 2016-04-07 (PCT/EP2016/057555)
[87] (WO2016/166000)
[30] FR (1553212) 2015-04-13

[21] **2,981,655**
[13] A1

[51] **Int.Cl. C08J 9/26 (2006.01) C08J 3/20 (2006.01) C08J 9/35 (2006.01) C09K 5/02 (2006.01) F28D 20/02 (2006.01) F28F 21/00 (2006.01)**

[25] FR

[54] **HEAT STORAGE MATERIAL**

[54] **MATERIAU POUR LE STOCKAGE THERMIQUE**

[72] PREBE, ARNAUD, FR
[72] DUFOUR, BRUNO, FR
[72] CHOPARD, FABRICE, FR
[72] GAROIS, NICOLAS, FR
[72] SONNTAG, PHILIPPE, FR
[71] HUTCHINSON, FR
[85] 2017-10-03
[86] 2016-04-07 (PCT/EP2016/057554)
[87] (WO2016/165999)
[30] FR (1553213) 2015-04-13

[21] **2,981,681**
[13] A1

[51] **Int.Cl. E21B 17/042 (2006.01) C09K 3/10 (2006.01) C10M 171/00 (2006.01) C23C 28/00 (2006.01) F16L 57/00 (2006.01) F16L 58/08 (2006.01)**

[25] EN

[54] **THREADED TUBULAR ELEMENT PROVIDED WITH A METALLIC ANTI-CORROSION AND ANTI-GALLING COATING**

[54] **ELEMENT TUBULAIRE FILETE POURVU D'UN REVETEMENT METALLIQUE ANTI-CORROSION ET ANTI-GRIPPAGE**

[72] VERLEENE, ARNAUD, FR
[72] BAUDIN, NICOLAS, FR
[72] VOGT, CEDRIC, FR
[72] JAAFAR, ADIL, FR
[71] VALLOUREC OIL AND GAS FRANCE, FR
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2017-10-03
[86] 2016-04-21 (PCT/EP2016/058847)
[87] (WO2016/170031)
[30] FR (15/53661) 2015-04-23

PCT Applications Entering the National Phase

[21] **2,981,682**
[13] A1

[51] **Int.Cl. C03B 13/08 (2006.01) A01G 9/24 (2006.01) C03C 17/00 (2006.01) E04D 13/03 (2006.01) E06B 3/02 (2006.01) F24J 2/50 (2006.01) G02B 5/02 (2006.01)**

[25] FR

[54] **TEXTURED GLASS FOR GREENHOUSES**

[54] **VERRE TEXTURE POUR SERRE**

[72] SCHIAVONI, MICHELE, FR

[72] BERARD, MATHIEU, FR

[72] MIMOUN, EMMANUEL, FR

[72] MAZOYER, SIMON, FR

[71] SAINT-GOBAIN GLASS FRANCE, FR

[85] 2017-10-03

[86] 2016-04-19 (PCT/FR2016/050903)

[87] (WO2016/170261)

[30] FR (1553648) 2015-04-23

[30] FR (1554131) 2015-05-07

[21] **2,981,701**
[13] A1

[51] **Int.Cl. B01F 5/06 (2006.01) A61F 2/46 (2006.01) B28C 5/06 (2006.01)**

[25] EN

[54] **MIXING GROUP AND METHOD FOR MIXING TWO COMPOUNDS**

[54] **GROUPE DE MELANGE ET PROCEDE POUR LE MELANGE DE DEUX COMPOSES**

[72] FACCIOLI, GIOVANNI, IT

[72] SOFFIATTI, RENZO, IT

[71] TECRES S.P.A., IT

[85] 2017-10-03

[86] 2016-04-15 (PCT/IB2016/052151)

[87] (WO2016/166711)

[30] IT (102015000012246) 2015-04-17

[21] **2,981,724**
[13] A1

[51] **Int.Cl. C08F 2/34 (2006.01) C08F 110/02 (2006.01)**

[25] EN

[54] **CLOSED REACTOR TRANSITIONS BETWEEN METALLOCENE CATALYSTS**

[54] **TRANSITIONS EN REACTEUR FERME ENTRE DES CATALYSEURS METALLOCENES**

[72] LOCKLEAR, BRANDON C., US

[72] PEQUENO, R. ERIC, US

[72] PANNELL, RICHARD B., US

[72] HUSSEIN, FATHI DAVID, US

[72] STOLZ, RICH JOHN, US

[72] MATTHEWS, WILLIAM A., US

[71] UNIVATION TECHNOLOGIES, LLC, US

[85] 2017-10-03

[86] 2016-04-06 (PCT/US2016/026201)

[87] (WO2016/164451)

[30] US (62/144,587) 2015-04-08

[21] **2,981,742**
[13] A1

[51] **Int.Cl. A61K 9/14 (2006.01) B82Y 5/00 (2011.01) A61K 47/68 (2017.01) A61K 31/473 (2006.01) A61K 31/704 (2006.01) A61K 39/395 (2006.01) A61K 47/34 (2017.01) A61P 7/00 (2006.01) A61P 27/02 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **SHAPE MEMORY PARTICLES FOR BIOMEDICAL USES**

[54] **PARTICULES A MEMOIRE DE FORME POUR USAGES BIOMEDICAUX**

[72] GUO, QIONGYU, US

[72] GREEN, JORDAN, US

[72] MEYER, RANDALL A., US

[72] BISHOP, COREY J., US

[72] KUMAR, ANAND, US

[72] SEMENZA, GREGG L., US

[71] THE JOHNS HOPKINS UNIVERSITY, US

[85] 2017-10-03

[86] 2016-04-06 (PCT/US2016/026209)

[87] (WO2016/164458)

[30] US (62/143,482) 2015-04-06

[30] US (62/257,278) 2015-11-19

[21] **2,981,747**
[13] A1

[51] **Int.Cl. C08G 18/18 (2006.01) C08J 9/00 (2006.01)**

[25] EN

[54] **PRODUCTION OF LOW-EMISSION POLYURETHANES**

[54] **FABRICATION DE POLYURETHANES A FAIBLE TAUX D'EMISSION**

[72] GUNTHER, THOMAS, DE

[72] VIDAKOVIC, MLADEN, DE

[72] WETTEY, COLLINS, DE

[71] EVONIK DEGUSSA GMBH, DE

[85] 2017-10-04

[86] 2016-03-18 (PCT/EP2016/055931)

[87] (WO2016/162183)

[30] EP (15162741.1) 2015-04-08

[21] **2,981,755**
[13] A1

[51] **Int.Cl. C08G 18/76 (2006.01) C08J 9/04 (2006.01)**

[25] EN

[54] **INSULATIVE POLYURETHANE RIGID FOAM BASED ON TDI LIQUID RESIDUE**

[54] **MOUSSE RIGIDE, ISOLANTE, DE POLYURETHANE A BASE D'UN RESIDU LIQUIDE DE TDI**

[72] XU, JIAN FENG, CN

[72] WANG, SHU KUI, CN

[71] BASF SE, DE

[85] 2017-10-04

[86] 2016-03-31 (PCT/EP2016/057020)

[87] (WO2016/162255)

[30] CN (PCT/CN2015/076302) 2015-04-10

[21] **2,981,773**
[13] A1

[51] **Int.Cl. A01N 55/08 (2006.01) A01N 61/00 (2006.01) A01P 3/00 (2006.01)**

[25] EN

[54] **SYNERGISTIC BENZOXABOROLE-CONTAINING ANTI-FUNGICIDAL COMPOSITION**

[54] **COMPOSITION ANTIFONGICIDE CONTENANT DU BENZOXABOROLE**

[72] BENKOVIC, STEPHEN, US

[72] LIU, CHUNYU, US

[71] THE PENN STATE RESEARCH FOUNDATION, US

[85] 2017-10-04

[86] 2016-04-07 (PCT/US2016/026451)

[87] (WO2016/164589)

[30] US (62/145,179) 2015-04-09

Demandes PCT entrant en phase nationale

[21] **2,981,791**
[13] A1

[51] **Int.Cl. A61K 31/522 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **METHODS OF TREATING HYPERGLYCEMIA**
[54] **METHODES DE TRAITEMENT DE L'HYPERGLYCEMIE**
[72] SABOUNJIAN, LUANN A., US
[71] CONCERT PHARMACEUTICALS, INC., US
[85] 2017-10-04
[86] 2015-04-15 (PCT/US2015/025913)
[87] (WO2015/160913)
[30] US (61/981,319) 2014-04-18

[21] **2,981,920**
[13] A1

[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **SITE-SPECIFIC ANTIBODY-DRUG CONJUGATES**
[54] **CONJUGUES ANTICORPS-MEDICAMENT SITE-SPECIFIQUES**
[72] VAN BERKEL, PATRICIUS HENDRIKUS CORNELIS, CH
[72] HOWARD, PHILIP WILSON, GB
[71] ADC THERAPEUTICS S.A., CH
[71] MEDIMMUNE LIMITED, GB
[85] 2017-10-05
[86] 2016-04-15 (PCT/EP2016/058371)
[87] (WO2016/166299)
[30] GB (1506393.6) 2015-04-15

[21] **2,981,976**
[13] A1

[51] **Int.Cl. G21H 5/02 (2006.01) G21F 7/06 (2006.01)**
[25] FR
[54] **DEVICE FOR THE SYNTHESIS OF A RADIOTRACER, FACILITY COMPRISING SUCH A DEVICE, AND METHOD FOR PRODUCING A RADIOTRACER BY MEANS OF SUCH A DEVICE**
[54] **DISPOSITIF DE SYNTHESE D'UN RADIO-TRACEUR, INSTALLATION COMPORTANT UN TEL DISPOSITIF ET PROCEDE D'OBTENTION D'UN RADIO-TRACEUR AU MOYEN D'UN TEL DISPOSITIF**
[72] TANGUY, LAURENT, FR
[72] CORNEILLE, JEROME, FR
[72] LOUBATON, BERTRAND, FR
[72] DELMAS, MARC, FR
[72] PEREZ DELAUME, ALAIN, FR
[71] P M B, FR
[85] 2017-10-05
[86] 2016-04-14 (PCT/FR2016/050872)
[87] (WO2016/166486)
[30] FR (1553402) 2015-04-16

[21] **2,982,063**
[13] A1

[51] **Int.Cl. A61B 17/04 (2006.01) A61F 2/24 (2006.01)**
[25] EN
[54] **ANNULOPLASTY TECHNOLOGIES**
[54] **TECHNOLOGIES D'ANNULOPLASTIE**
[72] IFLAH, EHUD, IL
[72] REICH, TAL, IL
[72] SHEPS, TAL, IL
[72] HARITON, ILIA, IL
[72] BRAUON, HAIM, IL
[72] KUTZIK, MEIR, IL
[72] KOIFMAN, ALEXEI, AU
[72] HERMAN, YARON, IL
[71] VALTECH CARDIO LTD., IL
[85] 2017-10-06
[86] 2016-04-21 (PCT/IL2016/050433)
[87] (WO2016/174669)
[30] US (62/154,962) 2015-04-30

[21] **2,982,216**
[13] A1

[51] **Int.Cl. A45D 40/00 (2006.01) A47F 7/28 (2006.01) B05B 11/00 (2006.01) B65D 83/08 (2006.01) B65H 3/06 (2006.01)**
[25] FR
[54] **DISPENSER FOR SUPPORTS TO BE IMPREGNATED WITH AN ODOUR**
[54] **DISTRIBUTEUR DE SUPPORTS DESTINES A ETRE IMPREGNES D'UNE ODEUR**
[72] HAGIAGE, MARC, FR
[72] LEVEQUE, LAURENCE, FR
[72] SERRE, GUILLAUME, FR
[71] GAUDIER KUPPEL GROUP SARL, FR
[85] 2017-10-06
[86] 2016-04-11 (PCT/EP2016/057901)
[87] (WO2016/166051)
[30] FR (1553190) 2015-04-13
[30] FR (1502687) 2015-12-23

[21] **2,982,305**
[13] A1

[51] **Int.Cl. F42B 10/46 (2006.01) F42B 10/42 (2006.01) F42B 12/06 (2006.01) F42B 10/22 (2006.01)**
[25] EN
[54] **PROJECTILE WITH ENHANCED BALLISTICS**
[54] **PROJECTILE A BALISTIQUE AMELIOREE**
[72] MAHNKE, JOSHUA, US
[71] MAHNKE, JOSHUA, US
[85] 2017-10-06
[86] 2015-04-30 (PCT/US2015/028661)
[87] (WO2016/007212)
[30] US (62/145,814) 2014-04-10
[30] US (61/986,296) 2014-04-30

PCT Applications Entering the National Phase

[21] **2,982,384**
[13] A1

[51] **Int.Cl. B31B 70/26 (2017.01) B31B 70/14 (2017.01) B31B 70/62 (2017.01) B31B 70/64 (2017.01)**

[25] EN

[54] **DEVICE AND METHOD FOR PRODUCING FOLDING BOXES**

[54] **DISPOSITIF ET PROCEDE DE FABRICATION DE BOITES PLIANTES**

[72] THEIS, UWE, DE

[72] KOLLMANN, JURGEN, DE

[71] MAYR-MELNHOF KARTON AG, AT

[85] 2017-10-11

[86] 2016-04-14 (PCT/EP2016/058227)

[87] (WO2016/166211)

[30] EP (15163514.1) 2015-04-14

[21] **2,982,414**
[13] A1

[51] **Int.Cl. A01C 7/08 (2006.01) A01C 5/06 (2006.01) A01C 7/04 (2006.01) A01C 7/20 (2006.01)**

[25] EN

[54] **MULTIPLE SINGLING DEVICE**

[54] **DISPOSITIF DE DEMARIAGE MULTIPLE**

[72] GEBBEKEN, MARTIN, DE

[72] BERGERFURTH, DENNIS, DE

[72] BERENDSEN, MARK, NL

[72] GERAATS, MARCEL, DE

[72] GOTZEN, CHRISTIAN, DE

[72] LUKAS, THOMAS, DE

[72] PAESSENS, CHRISTIAN, DE

[72] WERRIES, DIETER, DE

[72] VAN KANN, ANDREAS, DE

[71] LEMKEN GMBH & CO KG, DE

[85] 2017-10-11

[86] 2016-04-15 (PCT/DE2016/100179)

[87] (WO2016/165696)

[30] DE (10 2015 105 769.7) 2015-04-15

[21] **2,982,499**
[13] A1

[51] **Int.Cl. E02D 7/08 (2006.01)**

[25] EN

[54] **A METHOD FOR PILE-DRIVING**

[54] **PROCEDE D'ENFONCEMENT DE PIEU**

[72] HALONEN, ANTTI, FI

[72] HOLOPAINEN, JYRKI, FI

[72] PAAVOLA, JAAKKO, FI

[72] PENTTINEN, MARKKU, FI

[71] JUNTAN OY, FI

[85] 2017-10-12

[86] 2015-04-17 (PCT/FI2015/050269)

[87] (WO2016/166406)

[21] **2,982,510**
[13] A1

[51] **Int.Cl. B01D 53/52 (2006.01) B01D 53/02 (2006.01) B01J 20/26 (2006.01) C10L 3/10 (2006.01)**

[25] EN

[54] **CROSS-LINKED MACROPOROUS POLYMER USED FOR SELECTIVE REMOVAL OF HYDROGEN SULFIDE FROM A GAS STREAM**

[54] **POLYMERE MACROPOREUX RETICULE UTILISE POUR L'ELIMINATION SELECTIVE DU SULFURE D'HYDROGENE D'UN FLUX GAZEUX**

[72] TAN, RUNYU, US

[72] GOLTZ, H. ROBERT, US

[72] PADILLA, GERARDO, US

[72] BADHWAR, AJAY N., US

[71] DOW GLOBAL TECHNOLOGIES LLC, US

[85] 2017-10-12

[86] 2016-04-04 (PCT/US2016/025821)

[87] (WO2016/167995)

[30] US (62/148,797) 2015-04-17

[21] **2,982,519**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01)**

[25] EN

[54] **A MANAGEMENT METHOD AND SYSTEM**

[54] **PROCEDE ET SYSTEME DE GESTION**

[72] TUHAMI, EAMON, GB

[71] MOTIVII LIMITED, GB

[85] 2017-10-12

[86] 2016-04-11 (PCT/GB2016/051012)

[87] (WO2016/166516)

[30] US (62/146,509) 2015-04-13

[21] **2,982,529**
[13] A1

[51] **Int.Cl. B65D 83/38 (2006.01)**

[25] EN

[54] **SYSTEM FOR APPROXIMATING THE CONTENTS OF A DISPENSING CONTAINER**

[54] **SYSTEME D'APPROXIMATION DU CONTENU D'UN RECIPIENT DE DISTRIBUTION**

[72] BACON, RAYMOND JOHN, GB

[71] TRIG 1 LIMITED, GB

[85] 2017-10-12

[86] 2016-04-27 (PCT/GB2016/051182)

[87] (WO2016/174421)

[30] GB (1507339.8) 2015-04-29

[21] **2,982,579**
[13] A1

[51] **Int.Cl. B01L 3/02 (2006.01)**

[25] EN

[54] **VOLUME ADJUSTMENT FOR MANUAL PIPETTOR**

[54] **DISPOSITIF D'AJUSTEMENT DU VOLUME POUR PIPETEUR MANUEL**

[72] LACROIX, CHRISTOPHER, US

[71] INTEGRA BIOSCIENCES AG, CH

[85] 2017-10-12

[86] 2016-03-21 (PCT/IB2016/051589)

[87] (WO2016/166622)

[30] US (62/148,270) 2015-04-16

[21] **2,982,582**
[13] A1

[51] **Int.Cl. B08B 17/04 (2006.01) B01D 1/00 (2006.01) B05D 7/22 (2006.01) B08B 7/00 (2006.01) F28F 19/02 (2006.01)**

[25] EN

[54] **METHOD OF CLEANING AN EVAPORATOR**

[54] **PROCEDE DE NETTOYAGE D'UN EVAPORATEUR**

[72] EFRAT, TOMER, IL

[72] HITE, ITAMAR, IL

[71] IDE TECHNOLOGIES LTD, IL

[85] 2017-10-12

[86] 2016-04-13 (PCT/IB2016/052099)

[87] (WO2016/166676)

[30] GB (1506376.1) 2015-04-15

[21] **2,982,591**
[13] A1

[51] **Int.Cl. A61L 27/34 (2006.01)**

[25] EN

[54] **HYDROPHILIC COATINGS AND METHODS OF FORMING THE SAME**

[54] **REVETEMENTS HYDROPHILES ET LEURS PROCEDES DE FORMATION**

[72] O'MAHONY, JOHN P., IE

[72] FARRELL, DAVID J., IE

[71] HOLLISTER INCORPORATED, US

[85] 2017-10-12

[86] 2016-04-14 (PCT/US2016/027534)

[87] (WO2016/168461)

[30] US (62/148,473) 2015-04-16

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[21] **2,982,593**
[13] A1

[51] **Int.Cl. B05B 1/32 (2006.01) F16K 21/00 (2006.01) F16K 27/02 (2006.01) F16K 31/363 (2006.01) F16L 55/07 (2006.01) F17D 3/12 (2006.01)**

[25] EN
[54] **WATER INJECTOR NOZZLE**
[54] **BUSE D'INJECTEUR D'EAU**
[72] TEELE, ROBERT WILLIAM, US
[72] MERRILL, PETER, US
[71] DRESSER, INC., US
[85] 2017-10-12
[86] 2016-03-24 (PCT/US2016/023936)
[87] (WO2016/171835)
[30] US (14/691,774) 2015-04-21

[21] **2,982,671**
[13] A1

[51] **Int.Cl. G01N 21/01 (2006.01) G01N 21/64 (2006.01) G01N 35/08 (2006.01)**

[25] EN
[54] **MULTIPLEXED, CONTINUOUS-FLOW, DROPLET-BASED PLATFORM FOR HIGH-THROUGHPUT GENETIC DETECTION**
[54] **PLATEFORME A BASE DE GOUTTELETTES MULTIPLEXEE A CIRCULATION CONTINUE POUR LA DETECTION GENETIQUE A HAUT DEBIT**
[72] WANG, TZA-HUEI J., US
[72] HSIEH, KUANGWEN, US
[72] ZEC, HELENA C., US
[72] LIU, LINGSHU, US
[72] KAUSHIK, ANIRUDDHA M., US
[72] YUN, YUE, US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2017-10-12
[86] 2016-04-12 (PCT/US2016/027125)
[87] (WO2016/168193)
[30] US (62/146,774) 2015-04-13

[21] **2,982,683**
[13] A1

[51] **Int.Cl. D21H 27/02 (2006.01) B31D 1/04 (2006.01) D21F 11/14 (2006.01)**

[25] EN
[54] **SOFT ABSORBENT SHEETS, STRUCTURING FABRICS FOR MAKING SOFT ABSORBENT SHEETS, AND METHODS OF MAKING SOFT ABSORBENT SHEETS**
[54] **FEUILLES ABSORBANTES DOUCES, TISSUS STRUCTURANTS POUR LA FABRICATION DE FEUILLES ABSORBANTES DOUCES, ET PROCEDES DE FABRICATION DE FEUILLES ABSORBANTES DOUCES**
[72] SZE, DANIEL HUE MING, US
[72] FAN, XIAOLIN, US
[72] CHOU, HUNG-LIANG, US
[72] ORIANAN, TAIYE PHILIPS, US
[72] ANAND, FARMINDER SINGH, US
[72] BAUMGARTNER, DEAN JOSEPH, US
[72] MILLER, JOSEPH HENRY, US
[71] GPCP IP HOLDINGS LLC, US
[85] 2017-10-12
[86] 2016-06-08 (PCT/US2016/036332)
[87] (WO2016/200867)
[30] US (62/172,659) 2015-06-08
[30] US (15/175,949) 2016-06-07

[21] **2,982,688**
[13] A1

[51] **Int.Cl. B01J 8/06 (2006.01) B01J 19/24 (2006.01)**

[25] EN
[54] **PROCESS**
[54] **PROCEDE**
[72] GRAY, JULIAN STUART, GB
[71] JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED, GB
[85] 2017-10-13
[86] 2016-03-24 (PCT/GB2016/050858)
[87] (WO2016/166507)
[30] GB (1506572.5) 2015-04-17

[21] **2,982,692**
[13] A1

[51] **Int.Cl. B01J 35/10 (2006.01) B01J 32/00 (2006.01) B01J 35/02 (2006.01) B01J 37/02 (2006.01)**

[25] EN
[54] **SHAPED CATALYST PARTICLE**
[54] **GRAIN DE CATALYSEUR MIS EN FORME**
[72] COUPLAND, DUNCAN, GB
[72] WINFIELD, SOPHIE, GB
[71] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB
[85] 2017-10-13
[86] 2016-04-12 (PCT/GB2016/051027)
[87] (WO2016/166526)
[30] GB (1506325.8) 2015-04-14

[21] **2,982,722**
[13] A1

[51] **Int.Cl. B31B 70/14 (2017.01) B31B 70/74 (2017.01)**

[25] EN
[54] **APPARATUS AND METHOD FOR MAKING PLASTIC BAGS**
[54] **MACHINE DE FABRICATION DE SAC**
[72] TOTANI, MIKIO, JP
[71] TOTANI CORPORATION, JP
[85] 2017-10-13
[86] 2016-06-09 (PCT/JP2016/067252)
[87] (WO2016/199863)
[30] JP (2015-118613) 2015-06-11

[21] **2,982,767**
[13] A1

[51] **Int.Cl. B29C 64/386 (2017.01) G05B 17/00 (2006.01)**

[25] EN
[54] **MULTI-PART COUNTING SYSTEM FOR THREE-DIMENSIONAL PRINTED PARTS**
[54] **SYSTEME DE COMPTAGE DE PIECES MULTIPLES POUR PIECES IMPRIMEES EN TROIS DIMENSIONS**
[72] HUDSON, ALAN D., US
[71] SHAPEWAYS, INC., US
[85] 2017-10-13
[86] 2016-04-14 (PCT/US2016/027464)
[87] (WO2016/168416)
[30] US (14/686,015) 2015-04-14

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[21] **2,982,768**
[13] A1

[51] **Int.Cl. A63B 69/00 (2006.01) A63B 59/50 (2015.01) A63B 59/58 (2015.01) A63B 59/80 (2015.01) A63B 60/00 (2015.01) A63B 69/36 (2006.01) A63B 69/38 (2006.01)**

[25] EN

[54] **UNIVERSAL SWING TRAINING APPARATUS**

[54] **APPAREIL D'ENTRAINEMENT D'ELAN UNIVERSEL**

[72] HOU, WEN-SUN, US

[71] BEST SWING ONE, LLC, US

[85] 2017-10-13

[86] 2016-04-14 (PCT/US2016/027469)

[87] (WO2016/168418)

[30] US (14/690,309) 2015-04-17

[30] US (14/880,224) 2015-10-10

[21] **2,982,819**
[13] A1

[51] **Int.Cl. B03C 1/28 (2006.01) B01D 46/00 (2006.01)**

[25] EN

[54] **MAGNETIC FILTER WITH DRAIN AND REMOVABLE EXTERNAL MAGNETIC ELEMENT**

[54] **FILTRE MAGNETIQUE AVEC VIDANGE ET ELEMENT MAGNETIQUE EXTERNE AMOVIBLE**

[72] ADEY, CHRISTOPHER, GB

[72] DOWNIE, SIMON, GB

[72] ALBROW, ROBERT CHARLES, GB

[71] ADEY HOLDINGS (2008) LIMITED, GB

[85] 2017-10-06

[86] 2016-04-06 (PCT/GB2016/050963)

[87] (WO2016/162670)

[30] GB (1506054.4) 2015-04-09

[21] **2,982,830**
[13] A1

[51] **Int.Cl. F17C 7/00 (2006.01) F17C 13/00 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR DISPENSING GASEOUS FUEL TO A VEHICLE**

[54] **PROCEDE ET APPAREIL SERVANT A DES FINS DE DISTRIBUTION DE CARBURANT GAZEUX A UN VEHICULE**

[72] PETIT, ROCK, US

[72] HEIN, MITCHELL, US

[72] SELLE, PAUL, US

[71] CMD CORPORATION, US

[85] 2017-10-05

[86] 2016-04-22 (PCT/US2016/029060)

[87] (WO2016/172637)

[30] US (62/152,493) 2015-04-24

[30] US (62/310,618) 2016-03-18

[30] US (15/136,437) 2016-04-22

[21] **2,982,835**
[13] A1

[51] **Int.Cl. F04B 53/02 (2006.01) E21B 33/068 (2006.01) E21B 33/08 (2006.01) F04B 1/04 (2006.01) F04B 53/16 (2006.01)**

[25] EN

[54] **PLUNGER PACKING NUT WITH INTEGRAL PACKING**

[54] **ECROU DE PRESSE-GARNITURE DE PISTON PLONGEUR, AVEC GARNITURE INTEGREE**

[72] DILLE, MARK C., US

[71] FORUM US, INC., US

[85] 2017-10-13

[86] 2016-04-28 (PCT/US2016/029815)

[87] (WO2016/178908)

[30] US (62/155,565) 2015-05-01

[21] **2,982,844**
[13] A1

[51] **Int.Cl. B02C 18/14 (2006.01) B02C 18/22 (2006.01) B27L 11/02 (2006.01)**

[25] EN

[54] **A COMMINUTING MACHINE COMPRISING A ROTOR SYSTEM AND A METHOD FOR COMMINUTING FEEDSTOCK**

[54] **BROYEUSE COMPRENANT UN SYSTEME DE ROTOR ET PROCEDE SERVANT AU BROYAGE D'UN PRODUIT CHARGE**

[72] REIMANN, STEFAN, DE

[71] B. MAIER ZERKLEINERUNGSTECHNIK GMBH, DE

[85] 2017-10-16

[86] 2016-05-04 (PCT/DE2016/000188)

[87] (WO2016/177358)

[30] DE (10 2015 005 642.5) 2015-05-05

[21] **2,982,855**
[13] A1

[51] **Int.Cl. A61B 5/0205 (2006.01) A61B 5/021 (2006.01) A61B 5/1455 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR IDENTIFYING AUTOREGULATION ZONES**

[54] **SYSTEME ET PROCEDE POUR IDENTIFIER DES ZONES D'AUTOREGULATION**

[72] ADDISON, PAUL S., GB

[72] MONTGOMERY, DEAN, GB

[71] COVIDIEN LP, US

[85] 2017-10-13

[86] 2016-05-05 (PCT/US2016/031021)

[87] (WO2016/182853)

[30] US (62/158,659) 2015-05-08

[30] US (15/146,595) 2016-05-04

[21] **2,982,858**
[13] A1

[51] **Int.Cl. A47D 13/00 (2006.01) A47D 13/08 (2006.01) A47D 15/00 (2006.01)**

[25] EN

[54] **INFANT ACCOMMODATION APPARATUS**

[54] **APPAREIL DE SUPPORT DE NOURRISSON**

[72] CROSS, SOPHIE, GB

[71] JAMES GALT & CO. LIMITED, GB

[85] 2017-10-16

[86] 2016-05-03 (PCT/GB2016/051268)

[87] (WO2016/178014)

[30] GB (1507749.8) 2015-05-06

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[21] **2,982,894**
[13] A1

[51] **Int.Cl. B04B 5/04 (2006.01) A61M 1/02 (2006.01) A61M 1/36 (2006.01)**

[25] EN

[54] **A DEVICE, SYSTEM AND METHOD FOR THE CONTINUOUS PROCESSING AND SEPARATION OF BIOLOGICAL FLUIDS INTO COMPONENTS**

[54] **DISPOSITIF, SYSTEME ET PROCEDE PERMETTANT LE TRAITEMENT CONTINU ET LA SEPARATION DE LIQUIDES BIOLOGIQUES EN COMPOSANTS**

[72] CAMISANI, JULIEN PIERRE, CH

[72] SUBLET, YANNICK ANDRE, CH

[72] SABAT, PAU MATO, FR

[71] BIOSAFE S.A., CH

[85] 2017-10-16

[86] 2016-01-11 (PCT/IB2016/050107)

[87] (WO2016/178100)

[30] CH (00627/15) 2015-05-07

[21] **2,982,918**
[13] A1

[51] **Int.Cl. B65D 77/20 (2006.01) B65D 17/50 (2006.01)**

[25] EN

[54] **CONTAINER SEALING MEMBER, AND METHOD FOR PRODUCING SAME**

[54] **ELEMENT D'ETANCHEITE DE RECIPIENT, ET PROCEDE POUR SA PRODUCTION**

[72] WEI, SE HWANG, KR

[71] SEAL AND PACK CO., LTD, KR

[85] 2017-10-16

[86] 2016-04-18 (PCT/KR2016/004028)

[87] (WO2016/182217)

[30] KR (10-2015-0065650) 2015-05-11

[30] KR (10-2015-0065651) 2015-05-11

[30] KR (10-2015-0065652) 2015-05-11

[21] **2,982,919**
[13] A1

[51] **Int.Cl. E04B 1/94 (2006.01) E04B 2/74 (2006.01)**

[25] EN

[54] **A FIRE-RESISTANT BUILDING JOINT SYSTEM**

[54] **SYSTEME DE JOINT DE CONSTRUCTION RESISTANT AU FEU**

[72] HULTEEN, JOHN C., US

[72] FROST, GEORGE W., US

[72] GESTNER, ROBERT E., US

[72] HAFFNER, RICHARD J., US

[72] SCHMIDT, ERNST L., US

[71] 3M INNOVATIVE PROPERTIES COMPANY, US

[85] 2017-10-16

[86] 2016-03-25 (PCT/US2016/024135)

[87] (WO2016/167937)

[30] US (62/149,060) 2015-04-17

[21] **2,982,921**
[13] A1

[51] **Int.Cl. A62C 2/06 (2006.01) E04B 1/94 (2006.01) E04C 2/00 (2006.01)**

[25] EN

[54] **PENETRATION FIRESTOP SYSTEM**

[54] **SYSTEME COUPE-FEU POUR PENETRATIONS**

[72] HULTEEN, JOHN C., US

[72] FROST, GEORGE W., US

[72] HAFFNER, RICHARD J., US

[72] SCHMIDT, ERNST L., US

[71] 3M INNOVATIVE PROPERTIES COMPANY, US

[85] 2017-10-16

[86] 2016-03-30 (PCT/US2016/024821)

[87] (WO2016/167956)

[30] US (62/149,122) 2015-04-17

[21] **2,982,924**
[13] A1

[51] **Int.Cl. A61B 17/32 (2006.01) A61B 17/3207 (2006.01)**

[25] EN

[54] **SURGICAL CUTTING INSTRUMENT**

[54] **INSTRUMENT CHIRURGICAL COUPANT**

[72] NGUYEN, THOAI, US

[72] BERMAN, PHILLIP J., US

[71] MEDTRONIC XOMED, INC., US

[85] 2017-10-16

[86] 2016-04-11 (PCT/US2016/026886)

[87] (WO2016/168104)

[30] US (14/689,938) 2015-04-17

[21] **2,982,925**
[13] A1

[51] **Int.Cl. E21B 33/129 (2006.01) E21B 23/01 (2006.01) E21B 33/12 (2006.01) E21B 33/134 (2006.01) E21B 43/26 (2006.01)**

[25] EN

[54] **FRAC PLUG**

[54] **BOUCHON DE FRACTURATION**

[72] HARRIS, MICHAEL J., US

[72] ANTON, KENNETH J., US

[71] TERCEL OILFIELD PRODUCTS USA LLC, US

[85] 2017-10-16

[86] 2016-04-07 (PCT/US2016/026349)

[87] (WO2016/171915)

[30] US (62/149,553) 2015-04-18

[30] US (15/055,696) 2016-02-29

[21] **2,982,933**
[13] A1

[51] **Int.Cl. E21B 33/128 (2006.01) F16J 15/02 (2006.01)**

[25] EN

[54] **EXPANDABLE SEAL**

[54] **JOINT D'ETANCHEITE EXTENSIBLE**

[72] MERRON, MATTHEW J., US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-10-16

[86] 2015-05-18 (PCT/US2015/031402)

[87] (WO2016/186643)

[21] **2,982,939**
[13] A1

[51] **Int.Cl. E04B 1/84 (2006.01) E04B 1/62 (2006.01) E04B 1/68 (2006.01) E04B 1/92 (2006.01) E04B 1/94 (2006.01)**

[25] EN

[54] **A SMOKE AND SOUND BARRIER FOR A BUILDING JOINT SYSTEM**

[54] **BARRIERE ANTI-BRUIT ET ANTI-FUMEE POUR UN SYSTEME DE JOINT DE CONSTRUCTION**

[72] HULTEEN, JOHN C., US

[72] FROST, GEORGE W., US

[72] HAFFNER, RICHARD J., US

[72] SCHMIDT, ERNST L., US

[71] 3M INNOVATIVE PROPERTIES COMPANY, US

[85] 2017-10-16

[86] 2016-04-12 (PCT/US2016/027080)

[87] (WO2016/168169)

[30] US (62/149,101) 2015-04-17

PCT Applications Entering the National Phase

[21] **2,982,940**
[13] A1

[51] **Int.Cl. E21B 10/62 (2006.01) E21B 10/42 (2006.01) E21B 10/43 (2006.01)**

[25] EN

[54] **MMC DOWNHOLE TOOL REGION COMPRISING AN ALLOTROPIC MATERIAL**

[54] **REGION D'OUTIL DE FOND DE TROU MMC COMPRENANT UN MATERIAU ALLOTROPIQUE**

[72] PADMAREKHA, VENKKATEESH PARTHASARATHI, IN

[72] COOK, GRANT O., III, US

[72] VOGLEWEDE, DANIEL BRENDAN, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-10-16

[86] 2015-12-18 (PCT/US2015/066704)

[87] (WO2016/195753)

[30] US (62/171,393) 2015-06-05

[30] US (62/171,398) 2015-06-05

[21] **2,982,949**
[13] A1

[51] **Int.Cl. G01F 15/18 (2006.01)**

[25] EN

[54] **PLATE CARRIER GUIDE FOR AN ORIFICE FITTING**

[54] **GUIDE DE SUPPORT DE PLAQUE POUR RACCORD A ORIFICE**

[72] CROUCH, JUSTIN BLAKE, US

[72] JAY, GREGORY THERON, US

[71] DANIEL MEASUREMENT AND CONTROL, INC., US

[85] 2017-10-16

[86] 2016-04-13 (PCT/US2016/027328)

[87] (WO2016/168326)

[30] US (62/149,256) 2015-04-17

[21] **2,982,953**
[13] A1

[51] **Int.Cl. H02K 9/02 (2006.01) H02K 3/38 (2006.01) H02K 19/00 (2006.01)**

[25] EN

[54] **ENCLOSED-VENTILATED, ELECTRICALLY EXCITED SYNCHRONOUS MACHINE**

[54] **MACHINE SYNCHRONE A EXCITATION ELECTRIQUE VENTILEE EN CIRCUIT OUVERT**

[72] GRUNTHALER, ANDREAS, DE

[72] KORNER, OLAF, DE

[72] STAPFNER, JOHANN, DE

[71] SIEMENS AKTIENGESELLSCHAFT, DE

[85] 2017-06-27

[86] 2015-11-18 (PCT/EP2015/076915)

[87] (WO2016/083199)

[30] EP (14194534.5) 2014-11-24

[21] **2,982,957**
[13] A1

[51] **Int.Cl. G06F 3/01 (2006.01) G06F 3/16 (2006.01) G06F 9/44 (2006.01) H04L 29/08 (2006.01) H04M 1/725 (2006.01) G06F 17/30 (2006.01)**

[25] EN

[54] **DIGITAL ASSISTANT EXTENSIBILITY TO THIRD PARTY APPLICATIONS**

[54] **EXTENSIBILITE D'ASSISTANT NUMERIQUE A DES APPLICATIONS TIERCES**

[72] SURTI, TANVI, US

[72] PATTEN, MICHAEL, US

[72] LYNDERSAY, SEAN, US

[72] TONG, CHEE CHEN, US

[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US

[85] 2017-10-16

[86] 2016-04-15 (PCT/US2016/027653)

[87] (WO2016/182682)

[30] US (14/712,364) 2015-05-14

[21] **2,982,969**
[13] A1

[51] **Int.Cl. B65D 1/30 (2006.01)**

[25] EN

[54] **MULTIPACK CONTAINER**

[54] **CONTENANT D'EMBALLAGE MULTIPLE**

[72] DAVEY, ALAN, GB

[72] ELKINGTON, BEN, GB

[72] ROWSON, JAMES THOMAS PHILIP, GB

[71] LINPAC PACKAGING LIMITED, GB

[85] 2017-09-29

[86] 2016-04-01 (PCT/GB2016/000072)

[87] (WO2016/156780)

[30] GB (1505796.1) 2015-04-02

[21] **2,982,993**
[13] A1

[51] **Int.Cl. B29B 11/16 (2006.01)**

[25] EN

[54] **PREFORMS MADE DIRECTLY FROM THERMOSETTING COMPOSITE CHIPS**

[54] **PREFORMES FABRIQUEES DIRECTEMENT A PARTIR DE COPEAUX COMPOSITES THERMODURCISSABLES**

[72] BOURSIER, BRUNO, US

[71] HEXCEL CORPORATION, US

[85] 2017-10-16

[86] 2016-04-18 (PCT/US2016/028035)

[87] (WO2016/182694)

[30] US (14/711,087) 2015-05-13

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[21] **2,983,002**
[13] A1

[51] **Int.Cl. A61F 2/95 (2013.01) A61F 2/24 (2006.01)**

[25] EN

[54] **APPARATUS AND METHODS FOR DELIVERY, REPOSITIONING, AND RETRIEVAL OF TRANSCATHETER PROSTHETIC VALVES**

[54] **APPAREIL ET PROCÉDES DE MISE EN PLACE, DE REPOSITIONNEMENT ET D'EXTRACTION DE VALVULES PROTHÉTIQUES**

[72] EKVALL, CRAIG A., US

[72] LE, KHOI, US

[72] OTTE, JOHN F., US

[72] TEGELS, ZACHARY J., US

[72] VIDLUND, ROBERT M., US

[71] TENDYNE HOLDINGS, INC., US

[71] EKVALL, CRAIG A., US

[71] LE, KHOI, US

[71] OTTE, JOHN F., US

[71] TEGELS, ZACHARY J., US

[71] VIDLUND, ROBERT M., US

[85] 2017-10-16

[86] 2016-04-15 (PCT/US2016/027770)

[87] (WO2016/168609)

[30] US (62/148,579) 2015-04-16

[30] US (62/312,136) 2016-03-23

[21] **2,983,015**
[13] A1

[51] **Int.Cl. G06F 21/32 (2013.01) G06F 3/01 (2006.01) G06K 9/00 (2006.01)**

[25] EN

[54] **IDENTIFICATION AND/OR AUTHENTICATION OF A USER USING GAZE INFORMATION**

[54] **IDENTIFICATION ET/OU AUTHENTIFICATION D'UN UTILISATEUR A L'AIDE D'INFORMATIONS DU REGARD**

[72] SKOGO, MARTEN, SE

[72] HAINZL, RICHARD, SE

[72] JONSSON, HENRIK, SE

[72] VENNSTROM, ANDERS, SE

[72] GEORGE-SVAHN, ERLAND, SE

[72] ELVESJO, JOHN, SE

[71] TOBII AB, US

[85] 2017-10-16

[86] 2016-04-18 (PCT/US2016/028090)

[87] (WO2016/168814)

[30] US (62/148,501) 2015-04-16

[21] **2,983,027**
[13] A1

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

[25] EN

[54] **AUTOMATICALLY RELATING CONTENT TO PEOPLE**

[54] **CONTENU ASSOCIE AUTOMATIQUEMENT A DES PERSONNES**

[72] LEE, WELLY SUGIARTO, US

[72] MEYERZON, DMITRIY, US

[72] WING, PAULA A., US

[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US

[85] 2017-10-16

[86] 2016-04-29 (PCT/US2016/029913)

[87] (WO2016/178926)

[30] US (62/155,957) 2015-05-01

[30] US (14/854,604) 2015-09-15

[21] **2,983,028**
[13] A1

[51] **Int.Cl. B65D 5/66 (2006.01) B65D 5/20 (2006.01) B65D 85/36 (2006.01)**

[25] EN

[54] **CARTON WITH LOCKING FEATURE**

[54] **CARTON DOTE D'UN ELEMENT DE VERROUILLAGE**

[72] HAJEK, RONALD E., US

[71] GRAPHIC PACKAGING INTERNATIONAL, INC., US

[85] 2017-10-16

[86] 2016-06-08 (PCT/US2016/036394)

[87] (WO2016/200901)

[30] US (62/230,598) 2015-06-09

[21] **2,983,031**
[13] A1

[51] **Int.Cl. F16H 7/12 (2006.01) B60K 25/02 (2006.01)**

[25] EN

[54] **DUAL ARM TENSIONER**

[54] **TENDEUR A DEUX BRAS**

[72] HARVEY, JOHN, US

[72] STEGELMANN, OLIVER, CA

[71] GATES CORPORATION, US

[85] 2017-08-01

[86] 2016-01-21 (PCT/US2016/014228)

[87] (WO2016/126428)

[30] US (14/615,151) 2015-02-05

[21] **2,983,036**
[13] A1

[51] **Int.Cl. A43B 17/02 (2006.01) A43B 7/14 (2006.01) A43B 7/22 (2006.01) A43B 7/24 (2006.01)**

[25] EN

[54] **SHOE INSOLE**

[54] **SEMELLE INTERIEURE DE CHAUSSURE**

[72] GRANGER, DAVID BRADLEY, US

[72] MARTINEZ, JACOB, US

[71] IMPLUS FOOTCARE, LLC, US

[85] 2017-10-16

[86] 2016-04-21 (PCT/US2016/028685)

[87] (WO2016/190998)

[30] US (62/167,791) 2015-05-28

[30] US (62/182,103) 2015-06-19

[30] US (62/213,037) 2015-09-01

PCT Applications Entering the National Phase

[21] **2,983,041**
[13] A1

[51] **Int.Cl. C12Q 1/00 (2006.01) A61K 39/395 (2006.01) A61P 25/06 (2006.01) C07K 16/26 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **USE OF ANTI-PACAP ANTIBODIES AND ANTIGEN BINDING FRAGMENTS THEREOF FOR TREATMENT, PREVENTION, OR INHIBITION OF PHOTOPHOBIA**

[54] **UTILISATION D'ANTICORPS ANTI-PACAP ET DE LEURS FRAGMENTS DE LIAISON A L'ANTIGENE POUR LE TRAITEMENT, LA PREVENTION OU L'INHIBITION DE LA PHOTOPHOBIE**

[72] ALLISON, DANIEL S., US
[72] HENDRIX, KATHERINE LEE, US
[72] OJALA, ETHAN WAYNE, US
[72] FAN, PEI, US
[72] SMITH, JEFFREY T.L., US
[72] LATHAM, JOHN, US
[72] KARASEK, CHARLIE, US
[72] MULLIGAN, JENNY, US
[72] SCALLEY-KIM, MICHELLE, US
[72] STEWART, ERICA, US
[72] RUBIN, VANESSA LISBETH, US
[72] BILLGREN, JENS J., US
[72] KUBURAS, ADISA, US
[72] MASON, BIANCA, US
[72] SOWERS, LEVI P., US
[72] RUSSO, ANDREW F., US
[72] LOOMIS, MARIA-CRISTINA, US
[72] DUTZAR, BENJAMIN H., US
[72] GARCIA-MARTINEZ, LEON, US
[71] ALDER BIOPHARMACEUTICALS, INC., US

[71] THE UNIVERSITY OF IOWA RESEARCH FOUNDATION, US

[85] 2017-10-16
[86] 2016-04-15 (PCT/US2016/027981)
[87] (WO2016/168760)
[30] US (62/148,550) 2015-04-16
[30] US (62/148,557) 2015-04-16
[30] US (62/148,562) 2015-04-16
[30] US (62/148,583) 2015-04-16
[30] US (62/148,596) 2015-04-16
[30] US (62/148,640) 2015-04-16
[30] US (62/148,643) 2015-04-16

[21] **2,983,043**
[13] A1

[51] **Int.Cl. A61F 5/02 (2006.01)**

[25] FR

[54] **VERTEBRAL DECOMPRESSION DEVICE**

[54] **DISPOSITIF DE DECOMPRESSION VERTEBRALE**

[72] BRATIC, DAMIEN, FR
[72] NOEL, ANTOINE, FR
[71] JAPET MEDICAL DEVICES, FR

[85] 2017-10-17
[86] 2016-04-08 (PCT/FR2016/050810)
[87] (WO2016/170244)
[30] FR (1553515) 2015-04-20

[21] **2,983,046**
[13] A1

[51] **Int.Cl. A63F 13/825 (2014.01) A63F 13/235 (2014.01) A63F 13/52 (2014.01) A63F 13/58 (2014.01) A63F 13/65 (2014.01) G06F 19/00 (2011.01) H04N 13/00 (2006.01)**

[25] EN

[54] **CONTEXT-AWARE DIGITAL PLAY**

[54] **JEU NUMERIQUE SENSIBLE AU CONTEXTE**

[72] TAYLOR, BENJAMIN PARRY, US
[72] GAJDA, WILLIAM GEORGE, JR., US
[71] HASBRO, INC., US

[85] 2017-10-16
[86] 2016-04-22 (PCT/US2016/028881)
[87] (WO2016/172506)
[30] US (62/151,732) 2015-04-23

[21] **2,983,049**
[13] A1

[51] **Int.Cl. F16D 71/04 (2006.01) F03D 80/00 (2016.01) F03B 11/00 (2006.01)**

[25] EN

[54] **TURBINE WITH YAW BRAKE MECHANISM HAVING A ROTOR LOCK AND A CORRESPONDING RECEPTACLE**

[54] **TURBINE A MECANISME DE FREIN D'ORIENTATION COMPRENANT UN VERROU DE ROTOR ET UN RECEPTACLE CORRESPONDANT**

[72] FIRKSER, STEPHEN, US
[72] MCGUIGAN, THOMAS E., US
[71] LOCKHEED MARTIN CORPORATION, US

[85] 2017-08-01
[86] 2016-01-25 (PCT/US2016/014697)
[87] (WO2016/137625)
[30] US (14/629,653) 2015-02-24

[21] **2,983,063**
[13] A1

[51] **Int.Cl. B29C 70/68 (2006.01) B29C 70/46 (2006.01) B29C 70/56 (2006.01)**

[25] EN

[54] **A TOOL FOR FORMING A COMPOSITE COMPONENT**

[54] **OUTIL PERMETTANT DE FORMER UN COMPOSANT COMPOSITE**

[72] BARBER, SCOTT, GB
[71] COMPOSITE TECHNOLOGY AND APPLICATIONS LIMITED, GB

[85] 2017-10-17
[86] 2016-04-25 (PCT/GB2016/051155)
[87] (WO2016/174400)
[30] GB (1507418.0) 2015-04-30

[21] **2,983,065**
[13] A1

[51] **Int.Cl. B29C 70/68 (2006.01) B29C 70/46 (2006.01) B29C 70/56 (2006.01)**

[25] EN

[54] **A METHOD AND APPARATUS FOR FORMING A COMPOSITE COMPONENT**

[54] **PROCEDE ET APPAREIL DE FORMATION D'UN ELEMENT COMPOSITE**

[72] MORAM, JONATHAN PAUL, GB
[72] WILES, GARY, GB
[72] MARENGO, GIOVANNI ANTONIO, GB
[72] BARTON-SMITH, TERENCE MARK, GB
[71] COMPOSITE TECHNOLOGY AND APPLICATIONS LIMITED, GB

[85] 2017-10-17
[86] 2016-04-25 (PCT/GB2016/051156)
[87] (WO2016/174401)
[30] GB (1507412.3) 2015-04-30

Demandes PCT entrant en phase nationale

[21] **2,983,070**
[13] A1

[51] **Int.Cl. B29C 70/68 (2006.01) B29C 70/46 (2006.01) B29C 70/56 (2006.01)**

[25] EN

[54] **A METHOD OF MANUFACTURING A COMPOSITE COMPONENT**

[54] **PROCEDE DE PRODUCTION D'ELEMENT COMPOSITE**

[72] MARENGO, GIOVANNI ANTONIO, GB

[71] COMPOSITE TECHNOLOGY AND APPLICATIONS LIMITED, GB

[85] 2017-10-17

[86] 2016-04-25 (PCT/GB2016/051157)

[87] (WO2016/174402)

[30] GB (1507414.9) 2015-04-30

[21] **2,983,071**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) G01N 33/574 (2006.01) G01N 33/68 (2006.01)**

[25] EN

[54] **IGF-1R ANTIBODY AND ITS USE FOR THE DIAGNOSIS OF CANCER**

[54] **ANTICORPS ANTI-IGF-1R ET SON UTILISATION POUR LE DIAGNOSTIC DU CANCER**

[72] JOUHANNEAUD, ALEXANDRA, FR

[71] PIERRE FABRE MEDICAMENT, FR

[85] 2017-10-16

[86] 2016-04-27 (PCT/EP2016/059336)

[87] (WO2016/174051)

[30] EP (15305644.5) 2015-04-27

[21] **2,983,072**
[13] A1

[51] **Int.Cl. A61B 17/22 (2006.01) A61B 17/00 (2006.01) A61M 1/00 (2006.01) A61M 25/01 (2006.01) A61M 29/00 (2006.01)**

[25] EN

[54] **RAPID ASPIRATION THROMBECTOMY SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE DE THROMBECTOMIE PAR ASPIRATION RAPIDE**

[72] GARRISON, MICHIE E., US

[72] CHOU, TOMY M., US

[72] WILSON, SCOTT D., US

[71] ROUTE 92 MEDICAL, INC., US

[85] 2017-08-01

[86] 2016-02-04 (PCT/US2016/016618)

[87] (WO2016/126974)

[30] US (62/111,841) 2015-02-04

[30] US (62/142,637) 2015-04-03

[21] **2,983,073**
[13] A1

[51] **Int.Cl. F16B 11/00 (2006.01) B29C 65/00 (2006.01) B29C 65/48 (2006.01) B29C 65/78 (2006.01) B64C 11/26 (2006.01) G01B 7/00 (2006.01) G01B 21/20 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR BONDING**

[54] **PROCEDES ET SYSTEMES DE COLLAGE**

[72] COLLIS, ANDREW, GB

[72] RICHMOND, NOLAN, GB

[71] COMPOSITE TECHNOLOGY AND APPLICATIONS LIMITED, GB

[85] 2017-10-17

[86] 2016-04-26 (PCT/GB2016/051171)

[87] (WO2016/174412)

[30] GB (1507281.2) 2015-04-29

[21] **2,983,080**
[13] A1

[51] **Int.Cl. G06F 17/30 (2006.01)**

[25] EN

[54] **FILTERING DATA LINEAGE DIAGRAMS**

[54] **FILTRAGE DE DIAGRAMMES DE LIGNAGE DE DONNEES**

[72] RADIVOJEVIC, DUSAN, US

[71] AB INITIO TECHNOLOGY LLC, US

[85] 2017-08-02

[86] 2016-02-10 (PCT/US2016/017263)

[87] (WO2016/130626)

[30] US (62/114,691) 2015-02-11

[21] **2,983,082**
[13] A1

[51] **Int.Cl. B64C 1/40 (2006.01) F16F 9/04 (2006.01) F16F 9/46 (2006.01) F16F 15/027 (2006.01) G10K 11/172 (2006.01)**

[25] EN

[54] **ACOUSTIC ABATEMENT APPARATUS FOR AN AIRCRAFT**

[54] **APPAREIL DE REDUCTION ACOUSTIQUE POUR UN AERONEF**

[72] MADJLESJ, ABDOLREZA, CA

[71] BOMBARDIER INC., CA

[85] 2017-10-17

[86] 2016-04-19 (PCT/IB2016/052224)

[87] (WO2016/174544)

[30] US (62/154,531) 2015-04-29

[21] **2,983,087**
[13] A1

[51] **Int.Cl. G06F 3/01 (2006.01) G06F 3/033 (2013.01)**

[25] EN

[54] **METHOD AND DATA ENTRY DEVICE FOR THE ENTRY OF DATA IN ELECTRICAL FORM**

[54] **PROCEDE ET DISPOSITIF D'ENTREE DE DONNEES POUR L'ENTREE DE DONNEES SOUS FORME ELECTRIQUE**

[72] BALINT, GEZA, HU

[71] BALINT, GEZA, HU

[85] 2017-10-17

[86] 2015-11-05 (PCT/HU2015/050015)

[87] (WO2016/170374)

[30] HU (P1500189) 2015-04-24

[21] **2,983,095**
[13] A1

[51] **Int.Cl. B64C 31/00 (2006.01) B64C 1/00 (2006.01) B64C 3/56 (2006.01) B64C 13/00 (2006.01) B64C 39/02 (2006.01) B64D 1/08 (2006.01)**

[25] EN

[54] **AN AIRCRAFT FOR AERIAL DELIVERY**

[54] **AERONEF POUR LIVRAISON AERIENNE**

[72] COOK, GEORGE MICHAEL, GB

[72] COOK, JONATHAN EDWARD, GB

[72] COOK, MICHAEL KEVIN, GB

[71] COOK, GEORGE MICHAEL, GB

[85] 2017-10-17

[86] 2016-04-20 (PCT/GB2016/051085)

[87] (WO2016/170321)

[30] GB (1506670.7) 2015-04-20

[30] GB (1506671.5) 2015-04-20

PCT Applications Entering the National Phase

[21] **2,983,096**
[13] A1

[51] **Int.Cl. F04B 13/00 (2006.01) F04B 17/03 (2006.01) F04B 53/14 (2006.01) F04B 53/16 (2006.01)**

[25] EN

[54] **PUMP TRANSMISSION CARRIAGE ASSEMBLY**

[54] **ENSEMBLE CHARIOT DE TRANSMISSION D'UNE POMPE**

[72] SHAW, DEREK R., US

[72] INGEBRAND, JOHN R., US

[72] DANISKI, JOSEPH A., US

[72] ROGERS, DANIEL J., US

[72] MEYER, COREY D., US

[71] GRACO MINNESOTA INC., US

[85] 2017-10-16

[86] 2016-04-29 (PCT/US2016/030160)

[87] (WO2016/179014)

[30] US (62/155,576) 2015-05-01

[21] **2,983,097**
[13] A1

[51] **Int.Cl. B64C 31/00 (2006.01) B64C 1/00 (2006.01) B64C 3/56 (2006.01) B64C 13/00 (2006.01) B64C 39/02 (2006.01) B64D 1/08 (2006.01)**

[25] EN

[54] **AN AERIAL DELIVERY ASSEMBLY**

[54] **ENSEMBLE AERIEN DE LIVRAISON**

[72] COOK, GEORGE MICHAEL, GB

[72] COOK, JONATHAN EDWARD, GB

[72] COOK, MICHAEL KEVIN, GB

[71] COOK, GEORGE MICHAEL, GB

[85] 2017-10-17

[86] 2016-04-20 (PCT/GB2016/051086)

[87] (WO2016/170322)

[30] GB (1506671.5) 2015-04-20

[30] GB (1506670.7) 2015-04-20

[21] **2,983,098**
[13] A1

[51] **Int.Cl. G06F 17/00 (2006.01) G06F 3/0481 (2013.01) G06F 17/30 (2006.01)**

[25] EN

[54] **TECHNIQUES TO MANAGE BOOKMARKS FOR MEDIA FILES**

[54] **TECHNIQUES DE GESTION DE SIGNETS POUR DES FICHIERS MULTIMEDIA**

[72] CHANDRA, OMEED, US

[72] MUNIANDY, ANBINIYAR, US

[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US

[85] 2017-10-16

[86] 2016-05-03 (PCT/US2016/030487)

[87] (WO2016/179127)

[30] US (62/157,577) 2015-05-06

[30] US (14/741,619) 2015-06-17

[21] **2,983,099**
[13] A1

[51] **Int.Cl. A63H 33/00 (2006.01) A63H 9/00 (2006.01) A63H 17/02 (2006.01)**

[25] EN

[54] **TRANSFORMING TOY**

[54] **JOUET TRANSFORMABLE**

[72] CHOI, JONG-ILL, KR

[71] CHOI, JONG-ILL, KR

[85] 2017-10-17

[86] 2015-05-12 (PCT/KR2015/004711)

[87] (WO2016/182096)

[21] **2,983,100**
[13] A1

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

[25] EN

[54] **MEDICAMENT DELIVERY DEVICE HAVING GAS PROPELLANT**

[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT COMPRENANT UN GAZ PROPULSEUR**

[72] HATCH, STEVEN, GB

[72] WILLOUGHBY, ALASTAIR, GB

[72] MOSELEY, GUY, GB

[72] GARSON, DAN, GB

[71] CONSORT MEDICAL PLC, GB

[85] 2017-10-17

[86] 2016-04-21 (PCT/GB2016/051114)

[87] (WO2016/170346)

[30] GB (1506788.7) 2015-04-21

[21] **2,983,101**
[13] A1

[51] **Int.Cl. E21B 36/04 (2006.01) E21B 43/12 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR CONDENSATE BLOCKAGE REMOVAL WITH CERAMIC MATERIAL AND MICROWAVES**

[54] **SYSTEME ET PROCEDE POUR L'ELIMINATION DE BLOCAGE DE CONDENSAT AVEC UN MATERIAU CERAMIQUE ET DES MICRO-ONDES**

[72] AYUB, MUHAMMAD, SA

[72] BATARSEH, SAMEEH I., SA

[72] HABIB, NABEEL S., SA

[71] SAUDI ARABIAN OIL COMPANY, SA

[85] 2017-10-16

[86] 2016-05-03 (PCT/US2016/030495)

[87] (WO2016/179132)

[30] US (62/157,237) 2015-05-05

[21] **2,983,103**
[13] A1

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

[25] EN

[54] **MEDICAMENT DELIVERY DEVICE HAVING GAS PROPELLANT**

[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT COMPRENANT UN GAZ PROPULSEUR**

[72] ANDERSON, IAN, GB

[72] WILLOUGHBY, ALASTAIR, GB

[72] KOPPELMAN, RACHEL, GB

[71] CONSORT MEDICAL PLC, GB

[85] 2017-10-17

[86] 2016-04-21 (PCT/GB2016/051115)

[87] (WO2016/170347)

[30] GB (1506789.5) 2015-04-21

[21] **2,983,106**
[13] A1

[51] **Int.Cl. A63H 33/00 (2006.01) A63H 3/04 (2006.01) A63H 3/16 (2006.01)**

[25] EN

[54] **POP-UP TOY**

[54] **JOUET SURGISSANT**

[72] CHOI, JONG-ILL, KR

[71] CHOI, JONG-ILL, KR

[85] 2017-10-17

[86] 2016-02-19 (PCT/KR2016/001659)

[87] (WO2016/182175)

[30] KR (10-2015-0065525) 2015-05-11

Demandes PCT entrant en phase nationale

[21] **2,983,107**
[13] A1

[51] **Int.Cl. E21B 47/18 (2012.01) E21B 44/02 (2006.01)**

[25] EN

[54] **DOWN-HOLE COMMUNICATION ACROSS A MUD MOTOR**

[54] **COMMUNICATION DE FOND DE TROU DE PART ET D'AUTRE D'UN MOTEUR A BOUE**

[72] DOUGLAS, HUGH, GB

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-10-17

[86] 2015-05-19 (PCT/US2015/031598)

[87] (WO2016/186660)

[21] **2,983,109**
[13] A1

[51] **Int.Cl. G06Q 10/10 (2012.01) G06F 17/30 (2006.01)**

[25] EN

[54] **MANAGEMENT OF COMMITMENTS AND REQUESTS EXTRACTED FROM COMMUNICATIONS AND CONTENT**

[54] **GESTION DES ENGAGEMENTS ET DEMANDES EXTRAITS A PARTIR DE COMMUNICATIONS ET DE CONTENUS**

[72] BENNETT, PAUL NATHAN, US

[72] GHOTBI, NIKROUZ, US

[72] HORVITZ, ERIC JOEL, US

[72] HUGHES, RICHARD L., US

[72] SINGH, PRABHDEEP, US

[72] WHITE, RYEN WILLIAM, US

[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US

[85] 2017-10-16

[86] 2016-05-04 (PCT/US2016/030615)

[87] (WO2016/186834)

[30] US (14/714,109) 2015-05-15

[21] **2,983,112**
[13] A1

[51] **Int.Cl. B01D 53/64 (2006.01) B01D 53/14 (2006.01) B01D 53/96 (2006.01)**

[25] EN

[54] **PROCESS, METHOD, AND SYSTEM FOR REMOVING MERCURY FROM FLUIDS**

[54] **PROCESSUS, PROCEDE ET SYSTEME D'ELIMINATION DU MERCURE DE FLUIDES**

[72] O'REAR, DENNIS JOHN, US

[72] WANG, WEI, US

[71] CHEVRON U.S.A. INC., US

[85] 2017-10-16

[86] 2016-05-16 (PCT/US2016/032727)

[87] (WO2016/183581)

[30] US (62/161,304) 2015-05-14

[21] **2,983,113**
[13] A1

[51] **Int.Cl. E21B 10/62 (2006.01) E21B 10/42 (2006.01) E21B 10/46 (2006.01)**

[25] EN

[54] **DRILL BIT WITH REINFORCED BINDER ZONES**

[54] **TREPAN DE FORAGE A ZONES DE LIANT RENFORCE**

[72] VOGLEWEDE, BRENDAN, US

[72] COOK, GRANT O., III, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-10-17

[86] 2015-06-11 (PCT/US2015/035327)

[87] (WO2016/200389)

[21] **2,983,115**
[13] A1

[51] **Int.Cl. E21B 10/573 (2006.01) E21B 10/54 (2006.01)**

[25] EN

[54] **ATTACHMENT OF TSP DIAMOND RING USING BRAZING AND MECHANICAL LOCKING**

[54] **FIXATION D'ANNEAU EN DIAMANT POLYCRISTALLIN THERMIQUEMENT STABLE A L'AIDE D'UN BRASAGE ET D'UN VERROUILLAGE MECANIQUE**

[72] SAINI, GAGAN, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-10-17

[86] 2015-06-26 (PCT/US2015/037941)

[87] (WO2016/209256)

[21] **2,983,116**
[13] A1

[51] **Int.Cl. F21V 21/116 (2006.01) F21V 29/76 (2015.01) F21S 8/08 (2006.01) F21V 15/01 (2006.01) F21V 23/00 (2015.01) F21K 9/00 (2016.01)**

[25] EN

[54] **MODULAR AREA LUMINAIRE**

[54] **APPAREIL D'ECLAIRAGE DE ZONE MODULAIRE**

[72] DUCKWORTH, JASON, US

[71] HUBBELL INCORPORATED, US

[85] 2017-10-17

[86] 2015-12-30 (PCT/US2015/068120)

[87] (WO2016/175902)

[30] US (62/155,189) 2015-04-30

[21] **2,983,119**
[13] A1

[51] **Int.Cl. G06K 7/01 (2006.01) G06K 7/10 (2006.01) H02J 7/00 (2006.01)**

[25] EN

[54] **ARRANGEMENT FOR AND METHOD OF COMPATIBLY DOCKING A CORDLESS ELECTRO-OPTICAL READER WITH DIFFERENT DOCKING STATIONS**

[54] **DISPOSITIF ET PROCEDE POUR L'ACCUEIL EN COMPATIBILITE D'UN LECTEUR ELECTRO-OPTIQUE SANS FIL AVEC DIFFERENTES STATIONS D'ACCUEIL**

[72] DRZYMALA, MARK E., US

[72] BARKAN, EDWARD D., US

[72] GIORDANO, JOSEPH D., US

[72] MITELMAN, YULY, US

[71] SYMBOL TECHNOLOGIES, LLC, US

[85] 2017-10-17

[86] 2016-03-17 (PCT/US2016/022775)

[87] (WO2016/175930)

[30] US (14/697,929) 2015-04-28

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[21] **2,983,123**
[13] A1

[51] **Int.Cl. A47B 96/00 (2006.01) A47B 3/00 (2006.01) A47B 3/08 (2006.01) A47B 13/00 (2006.01) E05C 3/12 (2006.01) E05C 9/04 (2006.01) G05G 1/02 (2006.01)**

[25] EN

[54] **ARTICLE OF FURNITURE HAVING A LATCH MECHANISM**

[54] **MEUBLE AYANT UN MECANISME DE VERROUILLAGE**

[72] KRUSIN, MARC, GB

[72] RUZICKA, PAVEL, US

[72] HARPER, MICHAEL, US

[71] KNOLL, INC., US

[85] 2017-10-17

[86] 2016-04-13 (PCT/US2016/027183)

[87] (WO2016/171966)

[30] US (62/151,095) 2015-04-22

[30] US (15/096,387) 2016-04-12

[21] **2,983,124**
[13] A1

[51] **Int.Cl. G06Q 10/10 (2012.01) G06F 17/30 (2006.01)**

[25] EN

[54] **AUTOMATIC EXTRACTION OF COMMITMENTS AND REQUESTS FROM COMMUNICATIONS AND CONTENT**

[54] **EXTRACTION AUTOMATIQUE D'ENGAGEMENTS ET DE DEMANDES A PARTIR DE COMMUNICATIONS ET DE CONTENUS**

[72] BENNETT, PAUL NATHAN, US

[72] CHANDRASEKARAN, NIRUPAMA, US

[72] GAMON, MICHAEL, US

[72] GHOTBI, NIKROUZ, US

[72] HORVITZ, ERIC JOEL, US

[72] HUGHES, RICHARD L., US

[72] SINGH, PRABHDEEP, US

[72] WHITE, RYEN WILLIAM, US

[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US

[85] 2017-10-17

[86] 2016-04-16 (PCT/US2016/028002)

[87] (WO2016/186774)

[30] US (14/714,137) 2015-05-15

[21] **2,983,145**
[13] A1

[51] **Int.Cl. A61B 34/20 (2016.01) A61B 90/00 (2016.01) A61B 6/12 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR FUSED IMAGE BASED NAVIGATION WITH LATE MARKER PLACEMENT**

[54] **SYSTEME ET PROCEDE DE NAVIGATION A BASE D'IMAGES FUSIONNEES AVEC PLACEMENT TARDIF DE REPERES**

[72] BOCTOR, EMAD MIKHAIL, US

[72] STOLKA, PHILIPP JAKOB, US

[72] BASAFA, EHSAN, US

[72] FOROUGH, PEZHMAN, US

[72] HAGER, GREGORY DONALD, US

[71] CLEAR GUIDE MEDICAL, INC., US

[85] 2017-10-17

[86] 2016-04-18 (PCT/US2016/028146)

[87] (WO2016/168839)

[30] US (14/689,849) 2015-04-17

[21] **2,983,149**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 10/08 (2012.01)**

[25] EN

[54] **INTEGRATED ASSET INTERGRITY MANAGEMENT SYSTEM**

[54] **SYSTEME DE GESTION D'INTEGRITE D'ACTIFS INTEGRE**

[72] BUCA, PETER, US

[72] SAYAVICH, WILLIAM E., US

[71] PARKER-HANNIFAN CORPORATION, US

[85] 2017-10-17

[86] 2016-04-20 (PCT/US2016/028348)

[87] (WO2016/186790)

[30] US (62/162,108) 2015-05-15

[21] **2,983,160**
[13] A1

[51] **Int.Cl. F16J 15/34 (2006.01) F16J 15/447 (2006.01)**

[25] EN

[54] **SHAFT SEAL ASSEMBLY**

[54] **ENSEMBLE JOINT D'ARBRE**

[72] SHAH, CHINTAN, US

[72] HOEHLE, NEIL F., US

[71] INPRO/SEAL LLC, US

[85] 2017-10-17

[86] 2016-04-21 (PCT/US2016/028667)

[87] (WO2016/172354)

[30] US (62/150,633) 2015-04-21

[30] US (62/210,066) 2015-08-26

[21] **2,983,167**
[13] A1

[51] **Int.Cl. B42D 25/328 (2014.01) B42D 25/342 (2014.01) B42D 25/41 (2014.01) B42D 25/425 (2014.01) B42D 25/435 (2014.01)**

[25] EN

[54] **SECURITY DOCUMENT AND METHOD OF MANUFACTURING**

[54] **DOCUMENT DE SECURITE ET PROCEDE DE FABRICATION**

[72] WESSELINK, WILHELMUS JOHANNES, NL

[72] VAN DEN BERG, JAN, NL

[71] MORPHO B.V., NL

[85] 2017-10-17

[86] 2016-04-20 (PCT/NL2016/050277)

[87] (WO2016/171552)

[30] NL (2014690) 2015-04-22

[21] **2,983,170**
[13] A1

[51] **Int.Cl. A61G 5/00 (2006.01) A61G 5/10 (2006.01) B62B 3/14 (2006.01)**

[25] EN

[54] **NESTABLE TRANSPORT DEVICE**

[54] **DISPOSITIF DE TRANSPORT EMBOITABLE**

[72] BOD, FRANK, NL

[71] BERGH SPECIAL PRODUCTS BV, NL

[85] 2017-10-17

[86] 2016-04-20 (PCT/NL2016/050279)

[87] (WO2016/171554)

[30] NL (2014714) 2015-04-24

[21] **2,983,180**
[13] A1

[51] **Int.Cl. E21B 19/16 (2006.01) E21B 17/04 (2006.01) E21B 19/12 (2006.01)**

[25] EN

[54] **ALTERNATIVE LOCKING ARRANGEMENTS FOR TUBULAR CONNECTIONS**

[54] **VARIANTES D'AGENCEMENTS DE VERROUILLAGE POUR RACCORDEMENTS TUBULAIRES**

[72] CURRY, PETER, GB

[71] BRITANNIA ENGINEERING (ISLE OF MAN) LIMITED, GB

[85] 2017-10-17

[86] 2016-04-29 (PCT/GB2016/051255)

[87] (WO2016/174473)

[30] GB (1507389.3) 2015-04-30

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[21] **2,983,187**
[13] A1

[51] **Int.Cl. G01L 3/14 (2006.01) F02C 7/00 (2006.01)**

[25] FR

[54] **DEFORMATION MEASURING TORQUE METER**

[54] **COUPLEMETRE A MESURE DE DEFORMATION**

[72] FULLERINGER, BENJAMIN, FR

[72] BUENO, ARMAND, FR

[72] CAZAUX, YANNICK, FR

[71] SAFRAN HELICOPTER ENGINES, FR

[85] 2017-10-18

[86] 2016-04-20 (PCT/FR2016/050916)

[87] (WO2016/174330)

[30] FR (1553756) 2015-04-27

[21] **2,983,194**
[13] A1

[51] **Int.Cl. A61B 10/00 (2006.01) A61J 1/00 (2006.01)**

[25] FR

[54] **MICROORGANISM SAMPLING METHOD, MICROORGANISM SAMPLING DEVICE AND SAMPLING KIT COMPRISING SUCH A SAMPLING DEVICE**

[54] **PROCEDE DE PRELEVEMENT DE MICRO-ORGANISMES, DISPOSITIF DE PRELEVEMENT DE MICRO-ORGANISMES ET KIT DE PRELEVEMENT COMPRENANT UN TEL DISPOSITIF DE PRELEVEMENT**

[72] SCHWINTNER, CAROLE, FR

[72] AFFAGARD, HERVE, FR

[72] DORE, JOEL, FR

[71] MAAT PHARMA, FR

[71] INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE, FR

[85] 2017-10-18

[86] 2016-04-22 (PCT/FR2016/050963)

[87] (WO2016/170290)

[30] FR (1553721) 2015-04-24

[21] **2,983,198**
[13] A1

[51] **Int.Cl. A61K 31/4192 (2006.01) A61K 31/055 (2006.01) A61P 11/00 (2006.01)**

[25] EN

[54] **ONCE-DAILY TREATMENT OF PULMONARY FIBROSIS**

[54] **TRAITEMENT EN PRISE QUOTIDIENNE UNIQUE DE LA FIBROSE PULMONAIRE**

[72] SCHAMBYE, HANS, DK

[72] PEDERSEN, ANDERS, DK

[72] FORD, PAUL, GB

[71] GALECTO BIOTECH AB, DK

[85] 2017-10-18

[86] 2015-05-12 (PCT/EP2015/060456)

[87] (WO2016/180483)

[21] **2,983,212**
[13] A1

[51] **Int.Cl. D21H 21/18 (2006.01) D21H 17/37 (2006.01)**

[25] EN

[54] **A COMPOSITION FOR USE AS A PAPER STRENGTH AGENT**

[54] **COMPOSITION DESTINEE A ETRE UTILISEE COMME AGENT DE RESISTANCE POUR PAPIER**

[72] LUO, YUPING, US

[72] LI, JIANG, US

[72] LYNCH, THOMAS J., US

[72] RABIDEAU, JENNA SUE, US

[72] ROSENCRANCE, SCOTT, US

[71] KEMIRA OYJ, FI

[85] 2017-10-18

[86] 2016-04-19 (PCT/FI2016/050256)

[87] (WO2016/170230)

[30] US (62/149,940) 2015-04-20

[21] **2,983,221**
[13] A1

[51] **Int.Cl. A47L 23/22 (2006.01) A47G 27/02 (2006.01) A61L 2/16 (2006.01)**

[25] EN

[54] **DOORMAT WITH DECONTAMINATING DEVICE**

[54] **PAILLASSON COMPORTANT UN DISPOSITIF DE DECONTAMINATION**

[72] LATTEI, ALESSANDRA, IT

[71] LATTEI, ALESSANDRA, IT

[85] 2017-10-18

[86] 2016-05-26 (PCT/IB2016/000718)

[87] (WO2016/189380)

[30] IT (102015000018063) 2015-05-26

[21] **2,983,230**
[13] A1

[51] **Int.Cl. G01D 5/12 (2006.01) B82Y 15/00 (2011.01) H02J 50/10 (2016.01) A47F 13/00 (2006.01) A47G 23/00 (2006.01) G01D 5/00 (2006.01) G01D 5/20 (2006.01) G01K 1/02 (2006.01) G01K 7/00 (2006.01) G01N 37/00 (2006.01) G09F 3/00 (2006.01)**

[25] EN

[54] **ENVIRONMENTAL AND PRODUCT SENSING**

[54] **DETECTION D'ENVIRONNEMENT ET DE PRODUIT**

[72] LAWLER, CASIMIR E., JR., US

[71] PAKSENSE, INC., US

[85] 2017-10-17

[86] 2016-04-22 (PCT/US2016/029041)

[87] (WO2016/172626)

[30] US (62/151,185) 2015-04-22

[21] **2,983,238**
[13] A1

[51] **Int.Cl. F24J 2/42 (2006.01) F24J 2/48 (2006.01) F28D 13/00 (2006.01) F28D 19/02 (2006.01)**

[25] EN

[54] **DEVICE FOR COLLECTING SOLAR ENERGY BY MEANS OF A CONCENTRATOR OF THE NONIMAGING TYPE**

[54] **DISPOSITIF SERVANT A COLLECTER DE L'ENERGIE SOLAIRE AU MOYEN D'UN CONCENTRATEUR DU TYPE CONCENTRATEUR PAR REFLEXION**

[72] DE RICCARDIS, ANDREA, IT

[72] KOCH, TOBIAS, CH

[72] AL-YOUSEF, YOUSEF M., SA

[71] KING ABDULAZIZ CITY FOR SCIENCE & TECHNOLOGY, SA

[71] EZ-ENERGIES GMBH, DE

[85] 2017-10-18

[86] 2016-04-21 (PCT/IB2016/052255)

[87] (WO2016/170485)

[30] IT (102015000012520) 2015-04-21

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[21] **2,983,243**
[13] A1

[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 50/28 (2012.01)**
[25] EN
[54] **LOCATION-BASED PICK UP AND DELIVERY SERVICES**
[54] **SERVICES DE RETRAIT ET DE LIVRAISON BASES SUR UN EMPLACEMENT**
[72] GILLEN, ROBERT J., US
[72] SISCO, DAVID, US
[72] ZOROMSKY, SARA, US
[72] ENYART, JEFF, US
[72] ROBINSON, KALIN, US
[72] CARDER, DAVID, US
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US
[85] 2017-10-18
[86] 2016-04-22 (PCT/IB2016/052317)
[87] (WO2016/170515)
[30] US (62/152,155) 2015-04-24

[21] **2,983,245**
[13] A1

[51] **Int.Cl. A63H 27/10 (2006.01) B63B 22/16 (2006.01)**
[25] EN
[54] **SELF INFLATING BALLOON**
[54] **BALLONNET AUTOGONFLABLE**
[72] HALLIBURTON, JAMES, GB
[71] SEATRIEVER INTERNATIONAL HOLDINGS LIMITED, GB
[85] 2017-10-18
[86] 2015-04-22 (PCT/GB2015/051187)
[87] (WO2015/162420)
[30] GB (1407064.3) 2014-04-22

[21] **2,983,247**
[13] A1

[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 50/28 (2012.01)**
[25] EN
[54] **SECURE LOCATION-BASED EVENTS AND NOTIFICATIONS**
[54] **EVENEMENTS ET NOTIFICATIONS BASES SUR UN EMPLACEMENT SECURISE**
[72] GILLEN, ROBERT J., US
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US
[85] 2017-10-18
[86] 2016-04-14 (PCT/US2016/027528)
[87] (WO2016/171996)
[30] US (62/152,068) 2015-04-24

[21] **2,983,251**
[13] A1

[51] **Int.Cl. F41J 5/02 (2006.01) F41J 3/02 (2006.01) F41J 5/10 (2006.01)**
[25] EN
[54] **AUTOMATIC DARTBOARD SCORING SYSTEM**
[54] **SYSTEME DE COMPTAGE DE CIBLE AUTOMATIQUE**
[72] DALE, JASON, GB
[72] MOORE, STEPHEN, GB
[71] FLIGHT PATH IP LIMITED, GB
[85] 2017-10-18
[86] 2016-05-19 (PCT/GB2016/051441)
[87] (WO2016/203194)
[30] GB (1510727.9) 2015-06-18
[30] US (14/984,585) 2015-12-30

[21] **2,983,253**
[13] A1

[51] **Int.Cl. E21B 33/13 (2006.01) E21B 33/138 (2006.01)**
[25] EN
[54] **FLOW CONTROL IN SUBTERRANEAN WELLS**
[54] **REGULATION DE DEBIT DANS DES PUITTS SOUTERRAINS**
[72] SCHULTZ, ROGER L., US
[72] WATSON, BROCK W., US
[72] FERGUSON, ANDREW M., US
[72] FUNKHOUSER, GARY P., US
[71] THRU TUBING SOLUTIONS, INC., US
[85] 2017-10-17
[86] 2016-04-26 (PCT/US2016/029314)
[87] (WO2016/176181)
[30] US (14/698,578) 2015-04-28
[30] US (PCT/US2015/038248) 2015-06-29
[30] US (62/252,174) 2015-11-06

[21] **2,983,255**
[13] A1

[51] **Int.Cl. F16K 47/14 (2006.01) F16K 1/52 (2006.01)**
[25] EN
[54] **NOISE REDUCING DIFFUSER TRIM WITH CHEVRONS**
[54] **MECANISME DE DIFFUSEUR REDUCTEUR DE BRUIT AVEC CHEVRONS**
[72] FAGERLUND, ALLEN C., US
[72] EILERS, DANIEL J., US
[71] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2017-10-18
[86] 2016-04-21 (PCT/US2016/028578)
[87] (WO2016/172301)
[30] US (62/150,733) 2015-04-21

[21] **2,983,258**
[13] A1

[51] **Int.Cl. G01F 25/00 (2006.01) G01D 5/12 (2006.01) G05D 9/12 (2006.01) G01D 11/20 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING LEVER LOCKING POSITIONS ON LIQUID LEVEL CONTROLLERS**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE DETECTER DES POSITIONS DE VERROUILLAGE DE LEVIER SUR DES DISPOSITIFS DE REGULATION DE NIVEAU DE LIQUIDE**
[72] LEI, ZHANG, SG
[71] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2017-10-18
[86] 2016-04-21 (PCT/US2016/028582)
[87] (WO2016/172303)
[30] US (62/150,714) 2015-04-21

[21] **2,983,268**
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) A61K 38/18 (2006.01) A61K 38/24 (2006.01)**
[25] EN
[54] **FIBROBLAST GROWTH FACTOR (FGF) 1 MUTANTS AND METHODS OF USE TO REDUCE BLOOD GLUCOSE**
[54] **MUTANTS DU FACTEUR DE CROISSANCE DES FIBROBLASTES (FGF) 1 ET LEURS PROCEDES D'UTILISATION POUR REDUIRE LE GLUCOSE SANGUIN**
[72] EVANS, RONALD M., US
[72] DOWNES, MICHAEL, US
[72] ATKINS, ANNETTE, US
[72] YU, RUTH T., US
[71] SALK INSTITUTE FOR BIOLOGICAL STUDIES, US
[85] 2017-10-18
[86] 2016-04-20 (PCT/US2016/028368)
[87] (WO2016/172156)
[30] US (62/149,909) 2015-04-20

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[21] **2,983,273**
[13] A1

[51] **Int.Cl. E21B 33/13 (2006.01) E21B 43/10 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **DISAPPEARING EXPANDABLE CLADDING**
[54] **CHEMISAGE EXPANSIBLE DISPARAISSANT**
[72] KITZMAN, JEFFERY D., US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2017-10-18
[86] 2016-04-22 (PCT/US2016/028967)
[87] (WO2016/172568)
[30] US (14/693,594) 2015-04-22

[21] **2,983,275**
[13] A1

[51] **Int.Cl. E01H 10/00 (2006.01) A01C 15/00 (2006.01) E01C 19/20 (2006.01)**
[25] EN
[54] **MATERIAL SPREADING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'ETALEMENT DE MATERIAU**
[72] KOHN, NATHAN BENJAMIN, US
[71] APPLY RIGHT, LLC, US
[85] 2017-10-18
[86] 2016-04-22 (PCT/US2016/028989)
[87] (WO2016/172586)
[30] US (62/151,558) 2015-04-23

[21] **2,983,279**
[13] A1

[51] **Int.Cl. G06F 9/445 (2006.01) G06F 11/34 (2006.01) G06F 17/30 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EXTRACTING AND SHARING APPLICATION-RELATED USER DATA**
[54] **SYSTEME ET PROCEDE D'EXTRACTION ET DE PARTAGE DE DONNEES D'UTILISATEUR ASSOCIEES A UNE APPLICATION**
[72] RIVA, ORIANA, US
[72] NATH, SUMAN KUMAR, US
[72] BURGER, DOUGLAS CHRISTOPHER, US
[72] FERNANDES, EARLENCE TEZROYD, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2017-10-17
[86] 2016-05-04 (PCT/US2016/030614)
[87] (WO2016/186833)
[30] US (62/162,594) 2015-05-15
[30] US (14/734,991) 2015-06-09

[21] **2,983,286**
[13] A1

[51] **Int.Cl. G06Q 10/10 (2012.01)**
[25] EN
[54] **INTELLIGENT SURFACING OF REMINDERS**
[54] **MISE EN AVANT PLAN INTELLIGENTE DE RAPPELS**
[72] CREIGHTON, JASON TIMOTHY, US
[72] WANKHEDE, AMOL, US
[72] HORVITZ, ERIC, US
[72] NANDI, AJOY, US
[72] LIM, MELISSA N., US
[72] DESHPANDE, MANGESH, US
[72] KOCH, PAUL, US
[72] KRUMM, JOHN CHARLES, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2017-10-17
[86] 2016-05-20 (PCT/US2016/033384)
[87] (WO2016/191223)
[30] US (14/720,136) 2015-05-22

[21] **2,983,288**
[13] A1

[51] **Int.Cl. G06F 17/00 (2006.01) G06Q 10/10 (2012.01) H04L 12/58 (2006.01)**
[25] EN
[54] **UNIFIED MESSAGING PLATFORM FOR PROVIDING INTERACTIVE SEMANTIC OBJECTS**
[54] **PLATEFORME DE MESSAGERIE UNIFIEE CONCUE POUR FOURNIR DES OBJETS SEMANTIQUES INTERACTIFS**
[72] MACDONALD, BRIAN, US
[72] LANE, MIRA, US
[72] WALDMAN, LARRY, US
[72] VOSS, CHAD, US
[72] DEL ROSARIO, DIEGO BACA, US
[72] SPIZIRI, ANDREW, US
[72] BLISS, WILLIAM J., US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2017-10-17
[86] 2016-05-20 (PCT/US2016/033385)
[87] (WO2016/191224)
[30] US (62/165,856) 2015-05-22
[30] US (14/798,905) 2015-07-14

[21] **2,983,298**
[13] A1

[51] **Int.Cl. H02H 3/00 (2006.01)**
[25] EN
[54] **SWITCH CONTROLLED MOTOR OPERATED DEVICES**
[54] **DISPOSITIFS MOTORISES COMMANDES PAR COMMUTATEUR**
[72] RUFFO, MATTHEW J., US
[72] RUZICA, PAUL J., US
[71] FLUID HANDLING LLC, US
[85] 2017-10-18
[86] 2016-04-20 (PCT/US2016/028382)
[87] (WO2016/172168)
[30] US (62/149,966) 2015-04-20

[21] **2,983,305**
[13] A1

[51] **Int.Cl. E21B 33/06 (2006.01)**
[25] EN
[54] **SHEAR BLOCK DESIGN FOR BLOWOUT PREVENTER**
[54] **CONCEPTION DE BLOC DE CISAILLEMENT POUR OBTURATEUR ANTI-ERUPTION**
[72] HOLLAND, WILLIAM RINEHART JR., US
[71] AXON PRESSURE PRODUCTS INC., US
[85] 2017-10-18
[86] 2016-04-06 (PCT/US2016/026227)
[87] (WO2016/171910)
[30] US (14/692,370) 2015-04-21

[21] **2,983,309**
[13] A1

[51] **Int.Cl. B65B 13/02 (2006.01) B65B 27/00 (2006.01)**
[25] EN
[54] **BANDING DEVICE**
[54] **DISPOSITIF DE CERCLAGE**
[72] SCHUTTLER, DAVID L., US
[72] BUROUT, CHARLES J., US
[71] AVERY DENNISON CORPORATION, US
[85] 2017-10-18
[86] 2016-04-27 (PCT/US2016/029468)
[87] (WO2016/176272)
[30] US (62/154,395) 2015-04-29

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[21] **2,983,310**
[13] A1

[51] **Int.Cl. F04B 49/06 (2006.01) F04B 13/00 (2006.01) F04B 17/03 (2006.01) F04B 49/20 (2006.01)**

[25] EN
[54] **ADAPTIVE FLOW CONTROL**
[54] **CONTROLE DE FLUX ADAPTATIF**

[72] DANISKI, JOSEPH A., US
[72] STONE, THEODORE J., US
[71] GRACO MINNESOTA INC., US
[85] 2017-10-18
[86] 2016-04-28 (PCT/US2016/029688)
[87] (WO2016/178890)
[30] US (62/155,587) 2015-05-01

[21] **2,983,314**
[13] A1

[51] **Int.Cl. A01N 43/42 (2006.01)**

[25] EN
[54] **MITRAGYNE ANALOGS AND USES THEREOF**
[54] **ANALOGUES DE LA MITRAGYNE ET LEURS UTILISATIONS**

[72] PASTERNAK, GAVRIL, US
[72] MAJUMDAR, SUSRUTA, US
[72] KARIMOV, RASHAD, US
[72] VARADI, ANDRAS, US
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[85] 2017-10-18
[86] 2016-04-29 (PCT/US2016/030305)
[87] (WO2016/176657)
[30] US (62/155,248) 2015-04-30

[21] **2,983,332**
[13] A1

[51] **Int.Cl. C12N 5/077 (2010.01) A61K 35/34 (2015.01) C12N 5/02 (2006.01)**

[25] EN
[54] **GENERATION OF MUSCLE-LINEAGE CELLS FROM STEM CELLS**
[54] **GENERATION DE CELLULES DE LIGNEES MUSCULAIRES A PARTIR DE CELLULES SOUCHES**

[72] SCHMIDT, ULI, AU
[72] CARON, LESLIE, AU
[71] GENE A IP HOLDINGS PTY LTD, AU
[85] 2017-10-19
[86] 2016-04-22 (PCT/AU2016/000144)
[87] (WO2016/168890)
[30] US (62/151,352) 2015-04-22

[21] **2,983,333**
[13] A1

[51] **Int.Cl. A61N 1/36 (2006.01) A61B 5/0484 (2006.01) A61N 1/05 (2006.01)**

[25] EN
[54] **BRAIN NEUROSTIMULATOR ELECTRODE FITTING**
[54] **FIXATION D'ELECTRODE DE NEUROSTIMULATEUR CEREBRAL**

[72] PARKER, JOHN LOUIS, AU
[72] GMEL, GERRIT EDUARD, CH
[71] SALUDA MEDICAL PTY LTD, AU
[85] 2017-10-19
[86] 2016-05-31 (PCT/AU2016/050430)
[87] (WO2016/191807)
[30] AU (2015902021) 2015-05-31

[21] **2,983,334**
[13] A1

[51] **Int.Cl. B65D 41/04 (2006.01) B65D 41/34 (2006.01) B65D 51/14 (2006.01) B65D 51/16 (2006.01)**

[25] EN
[54] **CONTAINER CLOSURE**
[54] **FERMETURE DE RECIPIENT**

[72] RUSSELL, MARK N., US
[72] LUKER, CHARLES E., US
[71] BERRY PLASTICS CORPORATION, US
[85] 2017-10-18
[86] 2016-05-02 (PCT/US2016/030369)
[87] (WO2016/176672)
[30] US (62/154,995) 2015-04-30

[21] **2,983,335**
[13] A1

[51] **Int.Cl. H04W 16/18 (2009.01) H04B 17/309 (2015.01) H04B 17/391 (2015.01) G01R 29/08 (2006.01)**

[25] EN
[54] **ANALYZING WIRELESS SIGNAL PROPAGATION**
[54] **ANALYSE DE PROPAGATION DE SIGNAL SANS FIL**

[72] KRAVETS, OLEKSIY, CA
[71] COGNITIVE SYSTEMS CORP., CA
[85] 2017-10-19
[86] 2015-07-29 (PCT/CA2015/000446)
[87] (WO2016/191845)
[30] US (14/730,688) 2015-06-04

[21] **2,983,336**
[13] A1

[51] **Int.Cl. A61B 5/0484 (2006.01) A61N 1/05 (2006.01) A61N 1/36 (2006.01)**

[25] EN
[54] **MONITORING BRAIN NEURAL ACTIVITY**
[54] **SURVEILLANCE DE L'ACTIVITE NEURALE DU CERVEAU**

[72] PARKER, JOHN LOUIS, AU
[72] GMEL, GERRIT EDUARD, AU
[71] SALUDA MEDICAL PTY LTD, AU
[85] 2017-10-19
[86] 2016-05-31 (PCT/AU2016/050431)
[87] (WO2016/191808)
[30] AU (2015902022) 2015-05-31

[21] **2,983,337**
[13] A1

[51] **Int.Cl. A61K 9/14 (2006.01) A61K 9/50 (2006.01) A61K 39/395 (2006.01)**

[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS AND METHODS FOR FABRICATION OF SOLID MASSES COMPRISING POLYPEPTIDES AND/OR PROTEINS**
[54] **COMPOSITIONS PHARMACEUTIQUES ET PROCEDES DE FABRICATION DE MASSES SOLIDES COMPRENANT DES POLYPEPTIDES ET/OU DES PROTEINES**

[72] IMRAN, MIR, US
[72] MORALES, MERCEDES, US
[72] KORUPOLU, RADHIKA, US
[72] TO, ELAINE, US
[72] HARRIS, JOEL, US
[72] HASHIM, MIR, US
[71] INCUBE LABS, LLC, US
[85] 2017-10-18
[86] 2016-05-02 (PCT/US2016/030480)
[87] (WO2016/179120)
[30] US (62/156,105) 2015-05-01

Demandes PCT entrant en phase nationale

[21] **2,983,338**
[13] A1

[51] **Int.Cl. B01D 53/56 (2006.01) B01D 53/86 (2006.01) C04B 7/36 (2006.01)**

[25] EN

[54] **TREATMENT OF EXHAUST GASES FROM CEMENT CLINKER PRODUCTION**

[54] **TRAITEMENT DE GAZ D'ÉCHAPPEMENT DE LA PRODUCTION DE CLINKER**

[72] FEDERHEN, STEFAN, DE
[71] HEIDELBERGCEMENT AG, DE
[85] 2017-10-19
[86] 2016-04-08 (PCT/EP2016/000585)
[87] (WO2016/169638)
[30] EP (15001227.6) 2015-04-24

[21] **2,983,339**
[13] A1

[51] **Int.Cl. G06K 9/78 (2006.01) H04H 60/31 (2009.01) H04H 60/33 (2009.01) G06Q 30/02 (2012.01)**

[25] EN

[54] **DISPLAY SYSTEMS USING FACIAL RECOGNITION FOR VIEWERSHIP MONITORING PURPOSES**

[54] **SYSTEMES D'AFFICHAGE UTILISANT LA RECONNAISSANCE FACIALE A DES FINS DE SURVEILLANCE DE PERSONNES REGARDANT DES DISPOSITIFS D'AFFICHAGE**

[72] TAGO, CHARLIE, CA
[72] WANG, DAVID, CN
[72] RANGINYA, TAGO, AE
[72] HIEBERT, JEFFREY, CA
[71] IDK INTERACTIVE INC., CA
[85] 2017-10-19
[86] 2015-08-27 (PCT/CA2015/050823)
[87] (WO2016/187692)
[30] US (62/166,804) 2015-05-27

[21] **2,983,340**
[13] A1

[51] **Int.Cl. B31B 70/26 (2017.01) B31B 70/74 (2017.01)**

[25] EN

[54] **METHOD OF FORMING FLEXIBLE CONTAINERS WITH GUSSETS**

[54] **PROCEDE POUR FORMER DES RECIPIENTS SOUPLES COMPORTANT DES SOUFFLETS**

[72] ISHIHARA, TADAYOSHI, US
[72] LESTER, JOSEPH CRAIG, US
[72] BOURGEOIS, MARC RICHARD, US
[72] MCGUIRE, KENNETH STEPHEN, US
[72] CLARE, BENJAMIN JACOB, US
[72] STANLEY, SCOTT KENDYL, US
[72] ARENT, LEE MATHEW, US
[72] YOU, JUN, US
[72] RAPACH, ANDRE PAUL, US
[72] BERG, CHARLES JOHN, JR., US
[72] GUNNERSON, KORY ADAM, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2017-10-18
[86] 2016-05-03 (PCT/US2016/030498)
[87] (WO2016/179135)
[30] US (62/157,766) 2015-05-06

[21] **2,983,342**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4375 (2006.01) A61P 29/00 (2006.01) C07D 519/00 (2006.01)**

[25] EN

[54] **NOVEL DIHYDROPYRIDOISOQUINOLINONES AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR THE TREATMENT OF INFLAMMATORY DISORDERS**

[54] **NOUVELLES DIHYDROPYRIDOISOQUINOLINONES ET LEURS COMPOSITIONS PHARMACEUTIQUES POUR LE TRAITEMENT DE TROUBLES INFLAMMATOIRES**

[72] MENET, CHRISTEL JEANNE MARIE, BE
[72] DOYON, JULIEN GEORGES PIERRE-OLIVIER, BE
[72] CLAES, PIETER ISABELLE ROGER, BE
[72] ALLART, BRIGITTE, BE
[72] DE WACHTER, MAXIM MARIA PAUL, BE
[72] TRICARICO, GIOVANNI ALESSANDRO, BE
[71] GALAPAGOS NV, BE
[85] 2017-10-19
[86] 2016-04-19 (PCT/EP2016/058607)
[87] (WO2016/169911)
[30] GB (1506894.3) 2015-04-23

[21] **2,983,344**
[13] A1

[51] **Int.Cl. G21B 1/05 (2006.01) G21B 1/00 (2006.01) G21B 1/03 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR REDUCING UNDESIREDD EDDY CURRENTS**

[54] **SYSTEMES ET PROCEDES DE REDUCTION DE COURANTS DE FOUCAULT INDESIRABLES**

[72] RATH, NIKOLAUS, US
[71] TRI ALPHA ENERGY, INC., US
[85] 2017-10-18
[86] 2016-05-09 (PCT/US2016/031539)
[87] (WO2016/183036)
[30] US (62/160,421) 2015-05-12

PCT Applications Entering the National Phase

[21] **2,983,348**
[13] A1

[51] **Int.Cl. C08G 18/82 (2006.01) C08J 9/28 (2006.01) C08J 9/36 (2006.01)**

[25] EN

[54] **FUNCTIONALIZED ISOCYANATE BASED POROUS MATERIALS**

[54] **MATERIAUX POREUX A BASE D'ISOCYANATE FONCTIONNALISE**

[72] JONCHERAY, THOMAS JULIEN, BE

[72] VANDENBROECK, JAN, BE

[72] GEUMEZ, GILLES JEAN, BE

[71] HUNTSMAN INTERNATIONAL LLC, US

[85] 2017-10-19

[86] 2016-04-20 (PCT/EP2016/058759)

[87] (WO2016/173903)

[30] EP (15165161.9) 2015-04-27

[21] **2,983,349**
[13] A1

[51] **Int.Cl. E01F 9/30 (2016.01) E01F 9/00 (2016.01) G06K 19/07 (2006.01) G06Q 10/00 (2012.01) H04B 1/59 (2006.01)**

[25] EN

[54] **COMPLIANCE METHOD AND SYSTEM FOR TRAFFIC CONTROL DEVICES**

[54] **PROCEDE ET SYSTEME DE CONFORMITE POUR DISPOSITIFS DE COMMANDE DE TRAFIC**

[72] MANGIALARDI, DOMINIC, CA

[71] STRADA SIGN SUPPLY INC., CA

[85] 2017-10-19

[86] 2016-04-22 (PCT/CA2016/000125)

[87] (WO2016/168915)

[30] US (62/151,397) 2015-04-22

[21] **2,983,350**
[13] A1

[51] **Int.Cl. C22B 3/34 (2006.01) C22B 3/04 (2006.01) C22B 11/00 (2006.01)**

[25] EN

[54] **METHODS FOR SIMULTANEOUS LEACHING AND EXTRACTION OF PRECIOUS METALS**

[54] **PROCEDES DE LIXIVIATION ET D'EXTRACTION SIMULTANES DE METAUX PRECIEUX**

[72] FOLEY, STEPHEN, CA

[72] SALIMI, HIWA, CA

[72] MORADI, LOGHMAN, CA

[71] UNIVERSITY OF SASKATCHEWAN, CA

[85] 2017-10-19

[86] 2016-04-21 (PCT/CA2016/050459)

[87] (WO2016/168930)

[30] US (62/150,513) 2015-04-21

[30] US (62/152,066) 2015-04-24

[21] **2,983,351**
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01) C07K 1/04 (2006.01) C07K 7/06 (2006.01) C40B 30/04 (2006.01)**

[25] EN

[54] **SPECIFIC PEPTIDE BINDERS TO PROTEINS IDENTIFIED VIA SYSTEMIC DISCOVERY, MATURATION AND EXTENSION PROCESS**

[54] **LIANTS PEPTIDIQUES SPECIFIQUES AUX PROTEINES IDENTIFIES PAR UN PROCESSUS SYSTEMIQUE DE DECOUVERTE, DE MATURATION ET D'EXTENSION**

[72] ALBERT, THOMAS, US

[72] LYAMICHEV, VICTOR, US

[72] PATEL, JIGAR, US

[72] SULLIVAN, ERIC, US

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

[85] 2017-10-19

[86] 2016-04-18 (PCT/EP2016/058562)

[87] (WO2016/169894)

[30] US (62/150,202) 2015-04-20

[21] **2,983,353**
[13] A1

[51] **Int.Cl. C22B 3/16 (2006.01) B01D 11/00 (2006.01) C22B 3/34 (2006.01) C22B 11/00 (2006.01)**

[25] EN

[54] **METHODS FOR SELECTIVE LEACHING AND EXTRACTION OF PRECIOUS METALS IN ORGANIC SOLVENTS**

[54] **PROCEDES DE LIXIVIATION ET D'EXTRACTION SELECTIVES DE METAUX PRECIEUX DANS DES SOLVANTS ORGANIQUES**

[72] FOLEY, STEPHEN, CA

[72] MORADI, LOGHMAN, CA

[72] SALIMI, HIWA, CA

[71] UNIVERSITY OF SASKATCHEWAN, CA

[85] 2017-10-19

[86] 2016-04-21 (PCT/CA2016/050463)

[87] (WO2016/168933)

[30] US (62/150,513) 2015-04-21

[30] US (62/152,066) 2015-04-24

[21] **2,983,354**
[13] A1

[51] **Int.Cl. H01R 13/74 (2006.01) H04Q 1/14 (2006.01) H05K 7/02 (2006.01)**

[25] EN

[54] **KEYSTONE JACK ADAPTOR**

[54] **ADAPTATEUR DE PRISE KEYSTONE**

[72] FONTAINE, MARC, CA

[72] PLAMONDON, JEAN-SEBASTIEN, CA

[71] BELDEN CANADA INC., CA

[85] 2017-10-19

[86] 2016-04-25 (PCT/CA2016/050476)

[87] (WO2016/168942)

[30] US (62/152,398) 2015-04-24

[21] **2,983,355**
[13] A1

[51] **Int.Cl. A61N 1/05 (2006.01) A61N 1/36 (2006.01)**

[25] EN

[54] **PHOTOSENSITIVE PIXEL WITH SHUNT RESISTOR**

[54] **PIXEL PHOTOSENSIBLE AVEC RESISTANCE SHUNT**

[72] DETERRE, MARTIN, FR

[71] PIXIUM VISION SA, FR

[85] 2017-10-19

[86] 2016-04-28 (PCT/EP2016/000690)

[87] (WO2016/180517)

[30] EP (15001427.2) 2015-05-12

Demandes PCT entrant en phase nationale

[21] **2,983,356**
[13] A1

[51] **Int.Cl. H01R 24/64 (2011.01) H01R 13/639 (2006.01) H04Q 1/16 (2006.01)**

[25] EN
[54] **NETWORK PLUG**
[54] **FICHE RESEAU**
[72] PILON, VINCENT, CA
[72] PLAMONDON, JEAN-SEBASTIEN, CA
[71] BELDEN CANADA INC., CA
[85] 2017-10-19
[86] 2016-04-28 (PCT/CA2016/050491)
[87] (WO2016/172799)
[30] US (62/154,294) 2015-04-29

[21] **2,983,357**
[13] A1

[51] **Int.Cl. G01M 13/00 (2006.01) G01M 7/02 (2006.01) G02B 27/01 (2006.01) G02C 11/00 (2006.01)**

[25] EN
[54] **METHOD FOR DETECTING VIBRATIONS OF A DEVICE AND VIBRATION DETECTION SYSTEM**
[54] **PROCEDE DE DETECTION DE VIBRATIONS D'UN DISPOSITIF ET SYSTEME DE DETECTION DE VIBRATIONS**
[72] HOLZL, ROLAND, DE
[71] PRUFTECHNIK DIETER BUSCH AG, DE
[85] 2017-10-19
[86] 2016-04-14 (PCT/DE2016/100176)
[87] (WO2016/169554)
[30] DE (10 2015 207 134.0) 2015-04-20

[21] **2,983,358**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/127 (2006.01) A61K 31/7052 (2006.01) A61K 31/708 (2006.01)**

[25] EN
[54] **TARGETED LIPOSOMAL DELIVERY OF CGMP ANALOGUES**
[54] **ADMINISTRATION LIPOSOMALE CIBLEE D'ANALOGUES DE GMPC**
[72] EKSTROM, PER, SE
[72] PAQUET-DURAND, FRANCOIS, DE
[72] GAILLARD, PIETER JAAP, NL
[72] MARIGO, VALERIA, IT
[72] GENIESER, HANS-GOTTFRIED, DE
[72] RENTSCH, ANDREAS, DE
[71] MIRECA MEDICINES GMBH, DE
[85] 2017-10-19
[86] 2016-03-16 (PCT/EP2016/055659)
[87] (WO2016/146669)
[30] EP (15159285.4) 2015-03-16

[21] **2,983,359**
[13] A1

[51] **Int.Cl. H04S 7/00 (2006.01) H04M 3/56 (2006.01)**

[25] EN
[54] **AN AUDIO SIGNAL PROCESSING APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE TRAITEMENT DE SIGNAL AUDIO**
[72] PANG, LIYUN, DE
[72] HOFFMANN, PABLO, DE
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-10-19
[86] 2015-04-22 (PCT/EP2015/058694)
[87] (WO2016/169591)

[21] **2,983,360**
[13] A1

[51] **Int.Cl. A61N 1/05 (2006.01) A61N 1/36 (2006.01)**

[25] EN
[54] **PHOTOSENSITIVE PIXEL STRUCTURE WITH WRAPPED RESISTOR**
[54] **STRUCTURE DE PIXEL PHOTOSENSIBLE A RESISTANCE ENVELOPPEE**
[72] DETERRE, MARTIN, FR
[71] PIXIUM VISION SA, FR
[85] 2017-10-19
[86] 2016-05-12 (PCT/EP2016/000776)
[87] (WO2016/180535)
[30] EP (15001427.2) 2015-05-12
[30] EP (15001922.2) 2015-06-29

[21] **2,983,361**
[13] A1

[51] **Int.Cl. C04B 28/04 (2006.01) C04B 14/06 (2006.01) C04B 14/10 (2006.01) C04B 18/08 (2006.01) C04B 18/10 (2006.01) C04B 18/14 (2006.01) C09K 8/473 (2006.01)**

[25] EN
[54] **LOW DENSITY CEMENTITIOUS COMPOSITIONS FOR USE AT LOW AND HIGH TEMPERATURES**
[54] **COMPOSITIONS CIMENTAIRES A FAIBLE DENSITE UTILES A BASSES ET HAUTES TEMPERATURES**
[72] VLASOPOULOS, NIKOLAOS, FR
[72] CHEN, JEFFREY, CH
[71] LAFARGE, FR
[85] 2017-10-19
[86] 2016-04-22 (PCT/EP2016/058969)
[87] (WO2016/170092)
[30] EP (15305626.2) 2015-04-23

[21] **2,983,362**
[13] A1

[51] **Int.Cl. C07F 5/02 (2006.01) C01B 6/04 (2006.01) C07F 5/06 (2006.01)**

[25] EN
[54] **METHOD FOR PRODUCING METAL ORGANYLs**
[54] **PROCEDE DE PRODUCTION DE COMPOSES ORGANOMETALLIQUES**
[72] WIETELMANN, ULRICH, DE
[72] KURTH, CHRISTOPHER, DE
[72] SCHERER, STEFAN, DE
[72] RITTMAYER, PETER, DE
[72] STOLL, ARMIN, DE
[71] ALBEMARLE GERMANY GMBH, DE
[85] 2017-10-19
[86] 2016-03-24 (PCT/EP2016/056533)
[87] (WO2016/156193)
[30] DE (10 2015 206 046.2) 2015-04-02
[30] DE (10 2015 206 897.8) 2015-04-16

PCT Applications Entering the National Phase

[21] **2,983,363**
[13] A1

[51] **Int.Cl. H02P 3/12 (2006.01) B60L 7/02 (2006.01) H02P 3/22 (2006.01)**

[25] FR

[54] **SYSTEM AND METHOD FOR DISSIPATING ELECTRIC ENERGY REGENERATED BY ACTUATORS**

[54] **SYSTEME ET PROCEDE DE DISSIPATION DE L'ENERGIE ELECTRIQUE REGENEREES PAR DES ACTIONNEURS**

[72] CARTAILLER, LAURENT, FR

[72] MICHAUD, BENOIT, FR

[71] SAFRAN ELECTRICAL & POWER, FR

[85] 2017-10-19

[86] 2016-04-21 (PCT/FR2016/050936)

[87] (WO2016/193559)

[30] FR (1553650) 2015-04-23

[21] **2,983,364**
[13] A1

[51] **Int.Cl. C12N 15/10 (2006.01) C12N 15/11 (2006.01) C12N 15/63 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR THE TREATMENT OF NUCLEOTIDE REPEAT EXPANSION DISORDERS**

[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT DE TROUBLES DUS A L'EXPANSION DE REPETITION DES NUCLEOTIDES**

[72] BUJ BELLO, ANA MARIA, FR

[72] LO SCRUDATO, MIRELLA, 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] 2017-10-19

[86] 2016-04-27 (PCT/EP2016/059346)

[87] (WO2016/174056)

[30] EP (15305646.0) 2015-04-27

[30] US (62/153,633) 2015-04-28

[21] **2,983,365**
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01)**

[25] EN

[54] **USE OF SOLUBLE CD146 AS A BIOMARKER TO SELECT IN VITRO-FERTILIZED EMBRYO FOR IMPLANTATION IN A MAMMAL**

[54] **UTILISATION DE CD146 SOLUBLE EN TANT QUE BIOMARQUEUR POUR SELECTIONNER UN EMBRYON FERTILISE IN VITRO POUR IMPLANTATION DANS UN MAMMIFERE**

[72] BARDIN, NATHALIE, FR

[72] BLOT-CHABAUD, MARCEL, FR

[72] BOUVIER, SYLVIE, FR

[72] LACROIX, ODILE, FR

[72] DIGNAT-GEORGE, FRANCOISE, FR

[72] GRIS, JEAN-CHRISTOPHE RAYMOND, FR

[71] UNIVERSITE D'AIX MARSEILLE, FR

[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR

[71] UNIVERSITE DE MONTPELLIER, FR

[71] CENTRE HOSPITALIER UNIVERSITAIRE DE NIMES, FR

[71] ASSISTANCE PUBLIQUE HOPITAUX DE MARSEILLE, FR

[85] 2017-10-19

[86] 2016-04-21 (PCT/EP2016/058825)

[87] (WO2016/170021)

[30] EP (15305596.7) 2015-04-21

[21] **2,983,367**
[13] A1

[51] **Int.Cl. C08G 18/48 (2006.01) C08G 18/16 (2006.01) C08G 18/18 (2006.01) C08G 18/24 (2006.01) C08G 18/40 (2006.01) C08G 18/42 (2006.01) C08G 18/44 (2006.01) C08G 18/63 (2006.01) C08G 18/76 (2006.01)**

[25] EN

[54] **MIXTURES OF POLYETHER CARBONATE POLYOLS AND POLYETHER POLYOLS FOR PRODUCING FLEXIBLE POLYURETHANE FOAMS**

[54] **MELANGES DE POLYOLS DE CARBONATE DE POLYETHER ET POLYOLS DE POLYETHER SERVANT A PRODUIRE DES MOUSSES DE POLYURETHANE**

[72] LINDNER, STEFAN, DE

[72] HAHN, NORBERT, DE

[72] SCHULZ, ANGELIKA, DE

[71] COVESTRO DEUTSCHLAND AG, DE

[85] 2017-10-19

[86] 2016-04-28 (PCT/EP2016/059470)

[87] (WO2016/174125)

[30] EP (15165791.3) 2015-04-29

[21] **2,983,369**
[13] A1

[51] **Int.Cl. F28G 15/00 (2006.01) B08B 15/04 (2006.01) B67C 11/00 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR COLLECTION AND DISPOSAL OF CLEANING WASTE-WATER AND DEBRIS FROM AIR CONDITIONERS**

[54] **APPAREIL ET METHODE DE COLLECTE ET D'ELIMINATION D'EAUX USEES DE NETTOYAGE ET DE DEBRIS DE CLIMATISEURS D'AIR**

[72] HARDY, MICHAEL, US

[72] CACKOWSKI, SCOTT C., US

[72] KANE, TIMOTHY, US

[71] CROSSFORD INTERNATIONAL, LLC, US

[85] 2017-10-16

[86] 2016-04-18 (PCT/US2016/028068)

[87] (WO2016/172028)

[30] US (14/690,414) 2015-04-18

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[21] **2,983,370**
[13] A1

[51] **Int.Cl. G01R 31/08 (2006.01) H02H 3/04 (2006.01)**
[25] EN
[54] **FAULT LOCATION DETECTION AND DISTANCE PROTECTION APPARATUS AND ASSOCIATED METHOD**
[54] **APPAREIL DE DETECTION D'EMPLACEMENT DE PANNE ET DE PROTECTION DE DISTANCE, ET PROCEDE ASSOCIE**
[72] HA, HENGXU, GB
[72] SRI GOPALA KRISHNA MURTHI, SANKARA SUBRAMANIAN, GB
[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[85] 2017-10-19
[86] 2016-04-28 (PCT/EP2016/059555)
[87] (WO2016/174168)
[30] EP (15275126.9) 2015-04-30

[21] **2,983,371**
[13] A1

[51] **Int.Cl. F28D 3/02 (2006.01) B01D 47/05 (2006.01)**
[25] EN
[54] **CONDENSER-EVAPORATOR TUBE**
[54] **TUBE CONDENSEUR-EVAPORATEUR**
[72] HANGANU, DAN ALEXANDRU, ES
[72] NOMEN CALVET, JUAN EUSEBIO, AD
[71] WGA WATER GLOBAL ACCESS, S.L., AD
[71] HANGANU, DAN ALEXANDRU, ES
[71] NOMEN CALVET, JUAN EUSEBIO, AD
[85] 2017-10-19
[86] 2015-04-23 (PCT/ES2015/070344)
[87] (WO2016/170200)

[21] **2,983,373**
[13] A1

[51] **Int.Cl. A01N 1/02 (2006.01)**
[25] EN
[54] **IN VITRO PRESERVATION OF THERAPEUTIC CELLS**
[54] **CONSERVATION IN VITRO DE CELLULES THERAPEUTIQUES**
[72] BASTIANELLI, ENRICO, BE
[72] BRENNER, CARMEN, BE
[72] DELTOUR, ELODIE, BE
[71] BONE THERAPEUTICS S.A., BE
[85] 2017-10-19
[86] 2016-04-22 (PCT/EP2016/059005)
[87] (WO2016/170112)
[30] EP (15164903.5) 2015-04-23

[21] **2,983,374**
[13] A1

[51] **Int.Cl. C10L 1/18 (2006.01) C10L 10/12 (2006.01)**
[25] EN
[54] **USE OF A FUEL ADDITIVE IN DIESEL FUEL FOR REDUCING FUEL CONSUMPTION IN A DIESEL ENGINE**
[54] **UTILISATION D'UN ADDITIF POUR CARBURANT DANS DU CARBURANT DIESEL POUR REDUIRE LA CONSOMMATION DE CARBURANT DANS UN MOTEUR DIESEL**
[72] VOLPERT, EDGAR, DE
[72] BATSON, WILLIAM A., US
[71] UNITED INITIATORS GMBH, DE
[85] 2017-10-19
[86] 2016-04-28 (PCT/EP2016/059564)
[87] (WO2016/174176)
[30] EP (15165433.2) 2015-04-28

[21] **2,983,375**
[13] A1

[51] **Int.Cl. G01N 21/95 (2006.01) B65B 9/087 (2012.01) B65B 57/10 (2006.01) B65B 57/16 (2006.01) B65B 61/02 (2006.01) B65B 57/02 (2006.01) B65B 57/08 (2006.01) G01N 21/956 (2006.01)**
[25] EN
[54] **APPARATUS FOR PACKAGING INDIVIDUAL MEDICATION DOSES AND METHOD FOR ITS OPERATION**
[54] **APPAREIL D'EMBALLAGE DE DOSES INDIVIDUELLES DE MEDICAMENT ET SA METHODE D'UTILISATION**
[72] HELLENBRAND, CHRISTOPH, DE
[72] JORRITSMA, MINNE, NL
[71] BECTON DICKINSON ROWA GERMANY GMBH, DE
[85] 2017-10-17
[86] 2016-04-14 (PCT/EP2016/058163)
[87] (WO2016/166187)
[30] EP (15163950.7) 2015-04-17

[21] **2,983,377**
[13] A1

[51] **Int.Cl. A61K 31/19 (2006.01) A61K 31/22 (2006.01) A61P 1/16 (2006.01)**
[25] EN
[54] **USE OF STRUCTURALLY ENHANCED FATTY ACIDS CONTAINING SULPHUR FOR PREVENTING AND/OR TREATING NON-ALCOHOLIC STEATOHEPATITIS**
[54] **UTILISATION D'ACIDES GRAS STRUCTURELLEMENT AMELIORES CONTENANT DU SOUFRE POUR PREVENIR ET/OU TRAITER LA STEATOSE HEPATIQUE NON ALCOOLIQUE**
[72] STEINEGER, HILDE, NO
[71] PRONOVA BIOPHARMA NORGE AS, NO
[85] 2017-10-19
[86] 2016-04-21 (PCT/EP2016/058909)
[87] (WO2016/173923)
[30] NO (20150514) 2015-04-28

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[21] **2,983,378**
[13] A1

[51] **Int.Cl. C02F 1/60 (2006.01) C02F 1/04 (2006.01) C02F 1/42 (2006.01) C02F 1/46 (2006.01)**

[25] EN

[54] **WATER TREATMENT DEVICE AND WATER TREATMENT METHOD**

[54] **DISPOSITIF DE TRAITEMENT D'EAU ET PROCEDE DE TRAITEMENT D'EAU**

[72] UKAI, NOBUYUKI, JP
[72] OKINO, SUSUMU, JP
[72] SUZUKI, HIDEO, JP
[72] NAKASHOJI, HIROSHI, JP
[72] YOSHIOKA, SHIGERU, JP
[72] KOMATSU, TOMOMI, JP
[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP

[85] 2017-10-19
[86] 2014-09-12 (PCT/JP2014/074321)
[87] (WO2015/181998)
[30] JP (2014-108624) 2014-05-26

[21] **2,983,381**
[13] A1

[51] **Int.Cl. B23K 26/26 (2014.01) B23K 26/082 (2014.01) B23K 26/073 (2006.01)**

[25] EN

[54] **METHOD FOR LASER WELDING THE END FACES OF THE JOINTS OF TWO CONNECTING FLANGES HELD IN AN ADJOINING MANNER**

[54] **PROCEDE SERVANT A SOUDER AU LASER DU COTE FRONTAL DES JOINTURES DE DEUX BRIDES D'ASSEMBLAGE MAINTENUES L'UNE CONTRE L'AUTRE**

[72] STUHRMANN, JAN, DE
[71] KIRCHHOFF AUTOMOTIVE DEUTSCHLAND GMBH, DE

[85] 2017-10-18
[86] 2016-04-08 (PCT/EP2016/057760)
[87] (WO2016/169791)
[30] DE (10 2015 106 339.5) 2015-04-24

[21] **2,983,383**
[13] A1

[51] **Int.Cl. F02C 7/36 (2006.01) F16H 57/021 (2012.01) F16H 57/023 (2012.01) B64C 27/12 (2006.01) B64D 35/00 (2006.01) F02C 7/20 (2006.01) F16C 41/00 (2006.01)**

[25] FR

[54] **TURBOSHAFT ENGINE FOR AN AIRCRAFT, COMPRISING AN AUTOMATICALLY ACTUATED CENTERING ELEMENT**

[54] **TURBOMOTEUR POUR UN AERONEF EQUIPE D'UN CENTREUR A ACTIVATION AUTOMATIQUE**

[72] LAFARGUE, OLIVIER, FR
[72] BROTIER, SEBASTIEN, FR
[71] SAFRAN HELICOPTER ENGINES, FR

[85] 2017-10-19
[86] 2016-04-26 (PCT/FR2016/050976)
[87] (WO2016/174340)
[30] FR (1553752) 2015-04-27

[21] **2,983,379**
[13] A1

[51] **Int.Cl. B23C 5/10 (2006.01) B23G 5/18 (2006.01)**

[25] EN

[54] **INSERT-TYPE TOOL AND THREAD MILL**

[54] **OUTIL DU TYPE A INSERT ET BROYEUR FILETE**

[72] OSAWA, JIRO, JP
[72] YODA, TOMONORI, JP
[71] OSG CORPORATION, JP

[85] 2017-10-19
[86] 2015-06-15 (PCT/JP2015/067161)
[87] (WO2016/203519)

[21] **2,983,382**
[13] A1

[51] **Int.Cl. A47L 11/22 (2006.01) A47L 11/24 (2006.01) A47L 11/33 (2006.01)**

[25] EN

[54] **MANUALLY MOVABLE CLEANING APPARATUS HAVING OPPOSITELY ROTATABLE ROLLERS**

[54] **APPAREIL DE NETTOYAGE DEPLACABLE MANUELLEMENT ET EQUIPE DE ROULEAUX CONTRAROTATIFS**

[72] WEIS, NORBERT, DE
[72] BAUMGART, DANIEL, DE
[71] CARL FREUDENBERG KG, DE

[85] 2017-10-19
[86] 2016-04-21 (PCT/EP2016/058930)
[87] (WO2016/170073)
[30] DE (10 2015 005 229.2) 2015-04-24

[21] **2,983,384**
[13] A1

[51] **Int.Cl. A47L 15/46 (2006.01) A47L 15/14 (2006.01) C11D 3/395 (2006.01) C11D 11/00 (2006.01)**

[25] EN

[54] **DOMESTIC DISHWASHER AND DISHWASHING METHOD**

[54] **LAVE-VAISSELLE DOMESTIQUE ET PROCEDE POUR LAVER LA VAISSELLE**

[72] RIGOBERT, CAROLINE, DE
[72] SEITZ, BORIS, DE
[72] MOHRHARD, KARL-HEINZ, DE
[72] DIERKES, FRANK, DE
[72] VAN LOYEN, DIETMAR, DE
[72] CAMPBELL, STUART, DE
[71] RECKITT BENCKISER (BRANDS) LIMITED, GB

[85] 2017-10-19
[86] 2016-04-29 (PCT/GB2016/051264)
[87] (WO2016/174480)
[30] GB (1507289.5) 2015-04-29

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[21] **2,983,385**
[13] A1

[51] **Int.Cl. B23D 77/00 (2006.01)**
[25] EN
[54] **REAMER**
[54] **ALESOIR**
[72] OSAWA, JIRO, JP
[72] YODA, TOMONORI, JP
[71] OSG CORPORATION, JP
[85] 2017-10-19
[86] 2015-06-15 (PCT/JP2015/067163)
[87] (WO2016/203521)

[21] **2,983,386**
[13] A1

[51] **Int.Cl. G06Q 20/32 (2012.01) G06Q 20/34 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **VERIFICATION OF CONTACTLESS PAYMENT CARD FOR PROVISIONING OF PAYMENT CREDENTIALS TO MOBILE DEVICE**
[54] **VERIFICATION D'UNE CARTE DE PAIEMENT SANS CONTACT POUR LA FOURNITURE DE JUSTIFICATIFS D'IDENTITE DE PAIEMENT A UN DISPOSITIF MOBILE**
[72] NOE, JAMES CHRISTIAN, GB
[72] TIERNEY, JOHN, GB
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2017-10-19
[86] 2016-04-19 (PCT/US2016/028289)
[87] (WO2016/172107)
[30] US (14/691,052) 2015-04-20

[21] **2,983,388**
[13] A1

[51] **Int.Cl. B21D 22/26 (2006.01) B21D 5/01 (2006.01)**
[25] EN
[54] **PRESSED COMPONENT MANUFACTURING METHOD, PRESSED COMPONENT, MOLD, AND PRESS APPARATUS**
[54] **PROCEDE PERMETTANT DE PRODUIRE UN PRODUIT MOULE A LA PRESSE, PRODUIT MOULE A LA PRESSE, MATRICE ET DISPOSITIF DE PRESSAGE**
[72] KUBO, MASAHIRO, JP
[72] YOSHIDA, HIROSHI, JP
[72] MIYAGI, TAKASHI, JP
[72] SUZUKI, TOSHIYA, JP
[72] NAKAZAWA, YOSHIKI, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2017-10-19
[86] 2016-04-21 (PCT/JP2016/062681)
[87] (WO2016/171228)
[30] JP (2015-087502) 2015-04-22
[30] JP (2015-087503) 2015-04-22

[21] **2,983,391**
[13] A1

[51] **Int.Cl. C07D 211/58 (2006.01) A61K 31/437 (2006.01) A61K 31/443 (2006.01) A61K 31/4433 (2006.01) A61K 31/4436 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/4468 (2006.01) A61K 31/451 (2006.01) A61K 31/452 (2006.01) A61K 31/4709 (2006.01) A61K 31/498 (2006.01) A61K 31/506 (2006.01) A61K 31/517 (2006.01) A61K 31/5355 (2006.01) A61K 31/661 (2006.01) A61K 33/22 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C07D 215/42 (2006.01) C07D 401/06 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 409/12 (2006.01) C07D 413/06 (2006.01) C07D 417/06 (2006.01) C07D 417/12 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01) C07D 519/00 (2006.01) C07F 5/02 (2006.01) C07F 9/6509 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUND**
[54] **COMPOSE HETEROCYCLIQUE**
[72] ASANO, YASUTOMI, US
[72] KOJIMA, TAKUTO, JP
[72] KURASAWA, OSAMU, JP
[72] WONG, TZU-TSHIN, US
[72] HIRATA, YASUHIRO, JP
[72] IWAMURA, NAOKI, JP
[72] SAITO, BUNNAI, JP
[72] TANAKA, YUTA, JP
[72] ARAI, RYOSUKE, JP
[72] IMAMURA, SHINICHI, JP
[72] YONEMORI, KAZUKO, JP
[72] MIYAMOTO, YASUFUMI, JP
[72] KITAMURA, SHUJI, JP
[72] SANO, OSAMU, JP
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2017-10-19
[86] 2016-04-19 (PCT/JP2016/062418)
[87] (WO2016/171142)
[30] JP (2015-086195) 2015-04-20

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[21] **2,983,392**
[13] A1

[51] **Int.Cl. A61F 2/12 (2006.01)**
[25] EN
[54] **ABSORBABLE IMPLANTS FOR PLASTIC SURGERY**
[54] **IMPLANTS RESORBABLES DE CHIRURGIE PLASTIQUE**
[72] LIMEM, SKANDER, US
[72] STIRES, EMILY, US
[72] HOLMES, REBECCA, US
[72] RIZK, SAID, US
[72] MOSES, ARIKHA, US
[72] FELIX, FABIO, US
[72] VAN NATTA, BRUCE, US
[71] TEPHA, INC., US
[85] 2017-10-19
[86] 2016-04-19 (PCT/US2016/028264)
[87] (WO2016/172094)
[30] US (14/694,681) 2015-04-23

[21] **2,983,393**
[13] A1

[51] **Int.Cl. B01D 21/01 (2006.01)**
[25] EN
[54] **SEPARATION OF SUSPENSIONS OF SOLIDS EMPLOYING WATER SOLUBLE POLYMER AND A CHEMICAL AGENT**
[54] **SEPARATION DE SUSPENSIONS DE MATIERES SOLIDES A L'AIDE D'UN POLYMERE HYDROSOLUBLE ET D'UN AGENT CHIMIQUE**
[72] UTTING, LEWIS, AU
[72] ADKINS, STEPHEN JOHN, GB
[71] BASF SE, DE
[85] 2017-10-19
[86] 2016-04-27 (PCT/IB2016/052371)
[87] (WO2016/174582)
[30] EP (15166009.9) 2015-04-30

[21] **2,983,394**
[13] A1

[51] **Int.Cl. A61K 31/192 (2006.01)**
[25] EN
[54] **FORMULATIONS CONTAINING DIACEREIN AND METHODS OF LOWERING BLOOD LEVELS OF URIC ACID USING THE SAME**
[54] **PREPARATIONS A BASE DE DIACEREINE ET PROCEDES DE REDUCTION DES TAUX D'ACIDE URIQUE SANGUINS GRACE A L'UTILISATION DE CETTE DERNIERE**
[72] BROWN III, CARL OSCAR, US
[72] LIM, HANPIN, TW
[72] LU, WEI-SHU, TW
[72] CHUNG, TIEN-KUEN, TW
[72] CHEN, CHI-KUANG, TW
[71] TWI BIOTECHNOLOGY, INC., TW
[71] BROWN III, CARL OSCAR, US
[85] 2017-10-19
[86] 2015-04-20 (PCT/US2015/026678)
[87] (WO2016/171656)

[21] **2,983,396**
[13] A1

[51] **Int.Cl. A47J 36/10 (2006.01) A47J 27/08 (2006.01) A47J 45/06 (2006.01)**
[25] EN
[54] **CLIP FOR USE WITH A COOKING DEVICE**
[54] **CLIP DESTINE A ETRE UTILISE AVEC UN DISPOSITIF DE CUISSON**
[72] DESPAIN, STEVEN S., US
[71] FIREBOX OUTDOORS LLP, US
[85] 2017-10-19
[86] 2016-04-21 (PCT/US2016/028638)
[87] (WO2016/172336)
[30] US (62/150,416) 2015-04-21

[21] **2,983,397**
[13] A1

[51] **Int.Cl. C07C 319/14 (2006.01) C07C 323/52 (2006.01)**
[25] EN
[54] **A PROCESS FOR THE PREPARATION OF METHIONINE ALPHA-HYDROXY ANALOGUES FROM SUGARS AND DERIVATIVES THEREOF**
[54] **PROCEDE DE PREPARATION D'ANALOGUES D'ALPHA-HYDROXYLATION DE L-METHIONINE A PARTIR DE SUCRES ET DE DERIVES DE CEUX-CI**
[72] SADABA ZUBIRI, IRANTZU, DK
[72] TAARNING, ESBEN, DK
[72] TZOULAKI, DESPINA, DK
[71] HALDOR TOPSOE A/S, DK
[85] 2017-10-19
[86] 2016-04-29 (PCT/EP2016/059661)
[87] (WO2016/174231)
[30] DK (PA 2015 00265) 2015-04-30

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[21] **2,983,398**
[13] A1

[51] **Int.Cl. G03B 21/60 (2014.01) G02B 5/02 (2006.01)**

[25] EN

[54] **SCREEN, DISPLAY DEVICE, METHOD FOR USING SCREEN, PARTICLE, PARTICLE LAYER, PARTICLE SHEET, AND LIGHT CONTROL SHEET**

[54] **ECRAN, DISPOSITIF D'AFFICHAGE, PROCEDE D'UTILISATION D'ECRAN, COUCHE DE PARTICULES, FEUILLE DE PARTICULES, ET FEUILLE DE REGLAGE DE LUMIERE**

[72] KURASHIGE, MAKIO, JP
[72] NAKATSUGAWA, KAORI, JP
[72] ISHIDA, KAZUTOSHI, JP
[72] HONDA, HIROYUKI, JP
[72] UMEYA, MASANORI, JP
[72] KUBOTA, SHOGO, JP
[71] DAI NIPPON PRINTING CO., LTD., JP

[85] 2017-10-19
[86] 2016-04-22 (PCT/JP2016/062814)
[87] (WO2016/171266)
[30] JP (2015-087773) 2015-04-22
[30] JP (2015-087776) 2015-04-22
[30] JP (2015-093064) 2015-04-30
[30] JP (2015-101248) 2015-05-18
[30] JP (2015-101250) 2015-05-18
[30] JP (2015-111489) 2015-06-01
[30] JP (2015-111499) 2015-06-01
[30] JP (2015-222167) 2015-11-12

[21] **2,983,399**
[13] A1

[51] **Int.Cl. F02D 13/02 (2006.01) F02D 41/06 (2006.01)**

[25] EN

[54] **ENGINE CONTROL DEVICE AND ENGINE CONTROL METHOD**

[54] **DISPOSITIF DE COMMANDE DE MOTEUR ET PROCEDE DE COMMANDE DE MOTEUR**

[72] TSUYUKI, TAKESHI, JP
[72] IMAOKA, YOSHIHIRO, JP
[72] INOUE, TAKAO, JP
[71] NISSAN MOTOR CO., LTD., JP

[85] 2017-10-19
[86] 2015-04-20 (PCT/JP2015/062014)
[87] (WO2016/170583)

[21] **2,983,400**
[13] A1

[51] **Int.Cl. A61K 31/497 (2006.01) A61K 9/48 (2006.01) A61K 47/04 (2006.01) A61K 47/26 (2006.01) A61K 47/36 (2006.01) A61K 47/38 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **STABILIZED PHARMACEUTICAL COMPOSITION**

[54] **COMPOSITION PHARMACEUTIQUE STABILISEE**

[72] TASAKI, HIROAKI, JP
[72] YOSHIDA, MITSURU, JP
[72] TSUNASHIMA, DAISUKE, JP
[72] AZUMA, RYOTA, JP
[71] ASTELLAS PHARMA INC., JP

[85] 2017-10-19
[86] 2016-04-26 (PCT/JP2016/063004)
[87] (WO2016/175192)
[30] JP (2015-090702) 2015-04-27
[30] JP (2015-252958) 2015-12-25

[21] **2,983,401**
[13] A1

[51] **Int.Cl. A61M 39/10 (2006.01)**

[25] EN

[54] **TAMPER-PROOF CONNECTOR/ADAPTER DEVICES AND RELATED METHODS**

[54] **DISPOSITIFS A ADAPTEUR/CONNECTEUR INVOLABLE ET PROCEDES ASSOCIES**

[72] LESSER, JOSEPH, US
[72] DARST RICE, MARK, US
[72] MANGAL, SAMEER, US
[71] SMITHS MEDICAL ASD, INC., US

[85] 2017-10-19
[86] 2016-04-01 (PCT/US2016/025488)
[87] (WO2016/171871)
[30] US (62/151,489) 2015-04-23

[21] **2,983,402**
[13] A1

[51] **Int.Cl. C10L 3/10 (2006.01) F17D 1/02 (2006.01)**

[25] EN

[54] **NITROGEN-CONTAINING ANTI-AGGLOMERANTS FOR PRESERVING THE FLUIDITY OF FLUIDS CONTAINING GAS HYDRATES**

[54] **ANTI-AGGLOMERANTS AZOTES SERVANT A MAINTENIR LA FLUIDITE DE FLUIDES CONTENANT DES HYDRATES DE GAZ**

[72] OSKARSSON, HANS, SE
[72] UNEBACK, INGEMAR, SE
[71] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL

[85] 2017-10-19
[86] 2016-05-09 (PCT/EP2016/060256)
[87] (WO2016/180745)
[30] EP (15167153.4) 2015-05-11

[21] **2,983,403**
[13] A1

[51] **Int.Cl. C07C 271/02 (2006.01) A61K 31/325 (2006.01) A61K 45/06 (2006.01)**

[25] EN

[54] **SELECTIVE ANDROGEN RECEPTOR DEGRADER (SARD) LIGANDS AND METHODS OF USE THEREOF**

[54] **LIGANDS DE SARD - COMPOSES DE DEGRADATION SELECTIFS DES RECEPTEURS AUX ANDROGENES - ET METHODES D'UTILISATION**

[72] NARAYANAN, RAMESH, US
[72] MILLER, DUANE D., US
[72] PONNUSAMY, THAMARAI, US
[72] HWANG, DONG-JIN, US
[72] HE, YALI, US
[72] PAGADALA, JAYAPRAKASH, US
[72] DUKE, CHARLES B., US
[72] COSS, CHRISTOPHER C., US
[72] DALTON, JAMES T., US
[71] GTX, INC., US
[71] UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION, US

[85] 2017-10-19
[86] 2016-04-21 (PCT/US2016/028674)
[87] (WO2016/172358)
[30] US (62/150,763) 2015-04-21
[30] US (62/220,057) 2015-09-17
[30] US (62/220,187) 2015-09-17
[30] US (62/219,859) 2015-09-17
[30] US (62/241,532) 2015-10-14

PCT Applications Entering the National Phase

[21] **2,983,404**
[13] A1

[51] **Int.Cl. B21D 22/26 (2006.01) B21D 22/20 (2006.01) B21D 53/88 (2006.01)**

[25] EN

[54] **PRESSED COMPONENT MANUFACTURING METHOD, PRESSED COMPONENT, AND PRESS APPARATUS**

[54] **PROCEDE PERMETTANT DE PRODUIRE UN PRODUIT MOULE A LA PRESSE, PRODUIT MOULE A LA PRESSE ET DISPOSITIF DE PRESSAGE**

[72] KUBO, MASAHIRO, JP
[72] YOSHIDA, HIROSHI, JP
[72] MIYAGI, TAKASHI, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2017-10-19
[86] 2016-04-21 (PCT/JP2016/062683)
[87] (WO2016/171230)
[30] JP (2015-087506) 2015-04-22

[21] **2,983,406**
[13] A1

[51] **Int.Cl. B29B 7/48 (2006.01) B29B 7/90 (2006.01)**

[25] EN

[54] **PROCESS FOR MANUFACTURING OF A FIBRE-REINFORCED POLYMER COMPOSITION**

[54] **PROCEDE DE FABRICATION D'UNE COMPOSITION POLYMERE RENFORCEE PAR DES FIBRES**

[72] HOCHRADL, STEFAN, AT
[72] STOCKREITER, WOLFGANG, AT
[72] WURM, KARL, AT
[72] GUBO, ROBERT, AT
[71] BOREALIS AG, AT
[85] 2017-10-19
[86] 2016-05-20 (PCT/EP2016/061374)
[87] (WO2016/188883)
[30] EP (1516896.1) 2015-05-22

[21] **2,983,407**
[13] A1

[51] **Int.Cl. F16H 25/12 (2006.01) B64C 13/28 (2006.01) B64C 13/50 (2006.01) F16H 25/20 (2006.01)**

[25] EN

[54] **FAIL-SAFE ELECTROMECHANICAL ACTUATOR**

[54] **ACTIONNEUR ELECTROMECHANIQUE A SECURITE INTEGREE**

[72] LARSON LOWELL, VAN LUND, US
[72] MOORE, CHRISTOPHER A., US
[71] MOOG INC., US
[85] 2017-10-19
[86] 2016-04-18 (PCT/US2016/028071)
[87] (WO2016/172029)
[30] US (14/695,321) 2015-04-24

[21] **2,983,408**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01) C12N 1/20 (2006.01) C12Q 1/66 (2006.01)**

[25] EN

[54] **MECHANISMS OF ANTIMICROBIAL SUSCEPTIBILITY**

[54] **MECANISMES DE SENSIBILITE ANTIMICROBIENNE**

[72] BODNER, MICAH, US
[72] MARSDEN, JEREMIAH, US
[72] REY, DIEGO ARIEL, US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2017-10-19
[86] 2016-05-24 (PCT/EP2016/061691)
[87] (WO2016/188998)
[30] US (62/166,964) 2015-05-27

[21] **2,983,409**
[13] A1

[51] **Int.Cl. B60S 3/06 (2006.01)**

[25] EN

[54] **A WRAP-AROUND VEHICLE WASH COMPONENT**

[54] **COMPOSANT ENVELOPPANT DE LAVAGE DE VEHICULES**

[72] BELANGER, MICHAEL J., US
[72] TOGNETTI, DAVID L., US
[71] WASHME PROPERTIES, LLC, US
[85] 2017-10-19
[86] 2016-04-22 (PCT/US2016/028725)
[87] (WO2016/172397)
[30] US (62/151,256) 2015-04-22
[30] US (15/135,350) 2016-04-21

[21] **2,983,410**
[13] A1

[51] **Int.Cl. G06F 9/445 (2006.01) G06Q 10/08 (2012.01) G07F 5/18 (2006.01) G07F 9/02 (2006.01)**

[25] EN

[54] **INVENTORY INFORMATION DISTRIBUTION SYSTEMS, DEVICES AND METHODS**

[54] **PROCEDES, DISPOSITIFS ET SYSTEMES DE DISTRIBUTION D'INFORMATIONS D'INVENTAIRE**

[72] UNDERNEHR, CHRISTOPHER L., US
[72] AGRAWAL, TUSHAR, US
[72] RAMNATHKAR, SANDESH N., US
[72] TURKNETT, JOHN, US
[72] VONGA, MOHANDAS N., US
[72] WOITASZEK, MATTHEW S., US
[71] WAL-MART STORES, INC., US
[85] 2017-10-19
[86] 2016-04-18 (PCT/US2016/028067)
[87] (WO2016/172027)
[30] US (62/150,755) 2015-04-21

[21] **2,983,411**
[13] A1

[51] **Int.Cl. A61K 31/282 (2006.01) A61P 13/08 (2006.01) A61P 19/02 (2006.01) C07F 15/00 (2006.01)**

[25] EN

[54] **CO-CRYSTAL COMPOSITION AND ITS PHARMACEUTICAL USE**

[54] **COMPOSITION DE CO-CRISTAUX ET SON UTILISATION PHARMACEUTIQUE**

[72] LIU, XIAOZHONG, US
[71] SYN-NAT PRODUCTS ENTERPRISE LLC, US
[85] 2017-10-19
[86] 2016-04-21 (PCT/US2016/028720)
[87] (WO2016/172393)
[30] US (62/151,113) 2015-04-22

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[21] **2,983,412**
[13] A1

[51] **Int.Cl. G06F 17/00 (2006.01) G06F 21/60 (2013.01) G06Q 30/02 (2012.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR DYNAMIC DE-IDENTIFICATION OF DATA SETS**

[54] **PROCEDE ET SYSTEME DESTINES A LA DESENTIFICATION DYNAMIQUE D'ENSEMBLES DE DONNEES**

[72] LOWENBERG, TODD, US

[72] VILLARS, CURTIS, US

[72] REISKIND, ANDREW, US

[71] MASTERCARD INTERNATIONAL INCORPORATED, US

[85] 2017-10-19

[86] 2016-04-20 (PCT/US2016/028328)

[87] (WO2016/172130)

[30] US (14/694,262) 2015-04-23

[21] **2,983,414**
[13] A1

[51] **Int.Cl. H04L 12/24 (2006.01) C07D 207/09 (2006.01) C07D 403/12 (2006.01) H04L 12/26 (2006.01)**

[25] EN

[54] **NOVEL COMPOUNDS**

[54] **NOUVEAUX COMPOSES**

[72] CASILLAS, LINDA N., US

[72] HARLING, JOHN DAVID, GB

[72] MIAH, AFJAL HUSSAIN, GB

[72] RACKHAM, MARK DAVID, GB

[72] SMITH, IAN EDWARD DAVID, GB

[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB

[85] 2017-10-19

[86] 2016-04-20 (PCT/US2016/028332)

[87] (WO2016/172134)

[30] GB (1506872.9) 2015-04-22

[21] **2,983,417**
[13] A1

[51] **Int.Cl. G06F 3/0487 (2013.01)**

[25] EN

[54] **PRESSURE SENSITIVE PERIPHERAL DEVICES, AND ASSOCIATED METHODS OF USE**

[54] **DISPOSITIFS PERIPHERIQUES SENSIBLES A LA PRESSION, ET PROCEDES ASSOCIES D'UTILISATION**

[72] YANEV, KOSTADIN DIMITROV, US

[72] YANEV, IVO KOSTADINOV, BG

[72] KALAYDJIYSKI, LUDMIL BORISSOV, GB

[71] ACTIBODY, INC., US

[85] 2017-10-19

[86] 2015-04-21 (PCT/US2015/026877)

[87] (WO2015/164375)

[30] US (14/257,868) 2014-04-21

[21] **2,983,413**
[13] A1

[51] **Int.Cl. A61N 5/10 (2006.01) G21G 1/10 (2006.01) G21G 4/02 (2006.01) H05H 6/00 (2006.01)**

[25] EN

[54] **NEUTRON TARGET FOR BORON NEUTRON CAPTURE THERAPY**

[54] **CIBLE NEUTRON POUR THERAPIE DE CAPTURE DE NEUTRONS PAR LE BORE**

[72] PARK, WILLIAM H., US

[72] KONISHI, STEVEN P., US

[72] SMICK, THEODORE H., US

[72] SAKASE, TAKAO, US

[71] NEUTRON THERAPEUTICS INC., US

[85] 2017-10-19

[86] 2016-05-05 (PCT/US2016/030963)

[87] (WO2016/179381)

[30] US (62/157,652) 2015-05-06

[21] **2,983,416**
[13] A1

[51] **Int.Cl. F16G 13/12 (2006.01) B60P 7/08 (2006.01) B66C 1/12 (2006.01) B66C 1/18 (2006.01) D03D 3/00 (2006.01)**

[25] EN

[54] **HYBRID CHAIN LINK**

[54] **MAILLON DE CHAINE HYBRIDE**

[72] BOSMAN, RIGOBERT, NL

[72] WIENKE, DIETRICH, NL

[72] MARISSSEN, ROELOF, NL

[72] HOMMINGA, JOZEF SIEGFRIED JOHANNES, NL

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

[85] 2017-10-19

[86] 2016-05-27 (PCT/EP2016/061972)

[87] (WO2016/189116)

[30] EP (EP15169661.4) 2015-05-28

[21] **2,983,418**
[13] A1

[51] **Int.Cl. B60R 25/102 (2013.01) G01S 19/01 (2010.01) G06Q 10/08 (2012.01) B60P 1/64 (2006.01) G06F 19/00 (2011.01)**

[25] EN

[54] **INTERMODAL ASSET IDENTIFICATION AND ASSOCIATION SYSTEM**

[54] **SYSTEME INTERMODAL D'IDENTIFICATION ET D'ASSOCIATION DE MATERIELS**

[72] MANSURI, PARVEZ, US

[72] HECK, MARK, US

[72] MAGUIRE, SEAN, AU

[71] REFRIDGERATED TRANSPORT TECHNOLOGIES LLC, US

[71] ADVENT INTERMODAL SOLUTIONS, US

[85] 2017-10-19

[86] 2016-04-20 (PCT/US2016/028471)

[87] (WO2016/172232)

[30] US (62/149,832) 2015-04-20

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[21] **2,983,419**
[13] A1

[51] **Int.Cl. C12N 15/52 (2006.01) C12N 15/79 (2006.01) C12N 15/81 (2006.01) C12P 13/22 (2006.01) C12P 17/12 (2006.01)**

[25] EN

[54] **BENZYLISOQUINOLINE ALKALOID (BIA) PRECURSOR PRODUCING MICROBES, AND METHODS OF MAKING AND USING THE SAME**

[54] **PRECESEUR D'ALCALOIDE DE BENZYLISOQUINOLINE (BIA) PRODUISANT DES MICROBES, ET SES PROCEDES DE FABRICATION ET D'UTILISATION**

[72] SMOLKE, CHRISTINA D., US

[72] THODEY, CATHERINE, US

[72] TRENCHARD, ISIS, US

[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US

[85] 2017-10-19

[86] 2016-05-04 (PCT/US2016/030808)

[87] (WO2016/179296)

[30] US (62/156,701) 2015-05-04

[21] **2,983,420**
[13] A1

[51] **Int.Cl. G06Q 50/22 (2012.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR INCREASING WORK FLOW IN A PHARMACY**

[54] **PROCEDE ET APPAREIL POUR AUGMENTER UN FLUX DE TRAVAIL AU SEIN D'UNE PHARMACIE**

[72] GROVE, DONALD W., US

[71] GROVE, DONALD W., US

[85] 2017-10-19

[86] 2015-04-22 (PCT/US2015/027167)

[87] (WO2015/164545)

[30] US (14/259,151) 2014-04-22

[21] **2,983,421**
[13] A1

[51] **Int.Cl. C12P 1/02 (2006.01) A23L 27/10 (2016.01) A23L 27/20 (2016.01) A23L 27/22 (2016.01) A23L 31/15 (2016.01) A23L 33/10 (2016.01) C12P 7/46 (2006.01) C12P 7/54 (2006.01) C12P 7/56 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING YEAST EXTRACT, YEAST EXTRACT OBTAINED THEREBY, SEASONING COMPOSITION, AND FOOD**

[54] **PROCEDE DE PRODUCTION D'UN EXTRAIT DE LEVURE, EXTRAIT DE LEVURE AINSI OBTENU, COMPOSITION D'ASSAISONNEMENT ET ALIMENT**

[72] KONDO, ATSUSHI, JP

[72] TANIZAWA, JUNKO, JP

[71] TABLEMARK CO., LTD., JP

[85] 2017-10-19

[86] 2016-04-27 (PCT/JP2016/063165)

[87] (WO2016/175235)

[30] JP (2015-091617) 2015-04-28

[21] **2,983,422**
[13] A1

[51] **Int.Cl. F21S 10/02 (2006.01) F21K 9/60 (2016.01) A61N 5/06 (2006.01) F21V 23/04 (2006.01) H05B 37/02 (2006.01) F21V 9/10 (2006.01)**

[25] EN

[54] **MULTI-CHANNEL LAMP SYSTEM AND METHOD WITH MIXED SPECTRUM**

[54] **SYSTEME DE LAMPE MULTI-CANAL ET PROCEDE A SPECTRE MIXTE**

[72] VICK, KEVIN JAMES, US

[72] ALLEN, GARY ROBERT, US

[72] BOYLE, THOMAS JOHN, US

[72] CHOWDHURY, ASHFAQUL ISLAM, US

[72] DUDIK, DAVID C., US

[71] GE LIGHTING SOLUTIONS, LLC, US

[85] 2017-10-19

[86] 2016-04-11 (PCT/US2016/026871)

[87] (WO2016/171932)

[30] US (62/150,800) 2015-04-21

[30] US (14/757,957) 2015-12-24

[21] **2,983,423**
[13] A1

[51] **Int.Cl. C08F 2/01 (2006.01) B01J 8/08 (2006.01) B01J 8/18 (2006.01) B01J 8/24 (2006.01) C08F 2/34 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR POLYMERISING OLEFINS IN GAS PHASE**

[54] **PROCEDE ET APPAREIL POUR LA POLYMERISATION D'OLEFINES EN PHASE GAZEUSE**

[72] KANELLOPOULOS, VASILEIOS, AT

[72] NYFORS, KLAUS, FI

[72] AGUAYO ARELLANO, PABLO IVAN, AT

[72] WEICKERT, GUNTER, DE

[72] PRINSEN, ERIC-JAN, NL

[71] BOREALIS AG, AT

[85] 2017-10-19

[86] 2016-06-10 (PCT/EP2016/063342)

[87] (WO2016/198631)

[30] EP (15171820.2) 2015-06-12

[21] **2,983,424**
[13] A1

[51] **Int.Cl. G01F 15/18 (2006.01) G01F 17/00 (2006.01) G01F 23/00 (2006.01) G01F 23/22 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR MEASURING PRODUCT QUANTITY IN A CONTAINER**

[54] **SYSTEME ET PROCEDE PERMETTANT DE MESURER UNE QUANTITE DE PRODUIT DANS UN RECIPIENT**

[72] LOFTIN, CALEB S., US

[71] WESTROCK MWV, LLC, US

[85] 2017-10-19

[86] 2015-06-19 (PCT/US2015/036543)

[87] (WO2016/178700)

[30] US (62/155,498) 2015-05-01

Demandes PCT entrant en phase nationale

[21] **2,983,426**
[13] A1

[51] **Int.Cl. A61K 31/277 (2006.01) A61P 35/00 (2006.01) C07C 13/47 (2006.01)**
[25] EN
[54] **SELECTIVE ANDROGEN RECEPTOR DEGRADER (SARD) LIGANDS AND METHODS OF USE THEREOF**
[54] **LIGANDS DE COMPOSES DEGRADANT DES RECEPTEURS D'ANDROGENES SELECTIFS (SARD) ET LEURS METHODES D'UTILISATION**
[72] NARAYANAN, RAMESH, US
[72] MILLER, DUANE D., US
[72] PONNUSAMY, THAMARAI, US
[72] HWANG, DONG-JIN, US
[72] DUKE, CHARLES B., US
[72] COSS, CHRISTOPHER C., US
[72] JONES, AMANDA, US
[72] DALTON, JAMES T., US
[71] GTX, INC., US
[71] UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION, US
[85] 2017-10-19
[86] 2016-04-21 (PCT/US2016/028623)
[87] (WO2016/172330)
[30] US (62/150,768) 2015-04-21
[30] US (62/220,094) 2015-09-17

[21] **2,983,428**
[13] A1

[51] **Int.Cl. C12N 15/09 (2006.01)**
[25] EN
[54] **KIT FOR TOGETHER DETECTING MULTIPLE TARGET NUCLEIC ACIDS DIFFERING FROM EACH OTHER AND DETECTION METHOD USING THE SAME**
[54] **TROUSSE PERMETTANT DE DETECTER ENSEMBLE DES ACIDES NUCLEIQUES CIBLES MULTIPLES SE DIFFERENCIANT LES UNES DES AUTRES ET METHODE DE DETECTION EMPLOYANT LADITE TROUSSE**
[72] NAGANO, TAKASHI, JP
[72] MIYAJIMA, KENSUKE, JP
[72] NARAHARA, KENJI, JP
[71] MIZUHO MEDY CO., LTD., JP
[85] 2017-10-19
[86] 2016-05-10 (PCT/JP2016/063831)
[87] (WO2016/194552)
[30] JP (2015-113979) 2015-06-04

[21] **2,983,429**
[13] A1

[51] **Int.Cl. G06F 11/30 (2006.01)**
[25] EN
[54] **NETWORK SECURITY ANALYSIS FOR SMART APPLIANCES**
[54] **ANALYSE DE SECURITE DE RESEAU POUR APPAREILS INTELLIGENTS**
[72] VON GRAVROCK, EINARAS, US
[72] FRAYMAN, YURI, US
[72] BEATTY, ROBERT, US
[71] CUJO LLC, US
[85] 2017-10-19
[86] 2016-04-18 (PCT/US2016/028150)
[87] (WO2016/172055)
[30] US (62/150,684) 2015-04-21
[30] US (14/948,160) 2015-11-20
[30] US (15/099,526) 2016-04-14

[21] **2,983,430**
[13] A1

[51] **Int.Cl. B60S 3/04 (2006.01)**
[25] EN
[54] **FLUID DELIVERY SYSTEM FOR A VEHICLE WASH SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE FLUIDE POUR UN SYSTEME DE LAVAGE DE VEHICULES**
[72] BELANGER, MICHAEL J., US
[72] PRATER, CURTIS S., US
[72] TURNER, BARRY S., US
[71] WASHME PROPERTIES, LLC, US
[85] 2017-10-19
[86] 2016-04-21 (PCT/US2016/028672)
[87] (WO2016/172356)
[30] US (62/150,373) 2015-04-21
[30] US (15/135,220) 2016-04-21

[21] **2,983,431**
[13] A1

[51] **Int.Cl. B23Q 3/12 (2006.01) B23B 31/117 (2006.01)**
[25] EN
[54] **CLAMP DEVICE**
[54] **DISPOSITIF DE SERRAGE**
[72] KITAMURA, AKIHIRO, JP
[72] YAMADA, SHIGERU, JP
[71] KITAMURA MACHINERY CO., LTD., JP
[85] 2017-10-19
[86] 2017-02-16 (PCT/JP2017/005711)
[87] (WO2017/142018)
[30] JP (2016-028795) 2016-02-18

[21] **2,983,432**
[13] A1

[51] **Int.Cl. B09C 1/00 (2006.01) B82Y 30/00 (2011.01) C09K 3/32 (2006.01) C09K 17/00 (2006.01)**
[25] EN
[54] **PRODUCT FOR CLEANING SOIL OR HARD SURFACES AND ITS APPLICATION METHOD (VERSIONS)**
[54] **PRODUIT DE NETTOYAGE DE SOL ET DE SURFACES DURES ET SA METHODE D'APPLICATION (VERSIONS)**
[72] ELAGIN, ANDREY ALEKSANDROVICH, RU
[72] MIRONOV, MAKSIM ANATOLIEVICH, RU
[72] SHULEPOV, ILYA DMITRIEVICH, RU
[71] OBSHESTVO S OGRANICHENNOJ OTVETSTVENNOSTYU "NPO BIOMIKROGELI", RU
[85] 2017-10-19
[86] 2015-12-08 (PCT/RU2015/000855)
[87] (WO2016/178597)
[30] RU (2015117416) 2015-05-07

[21] **2,983,433**
[13] A1

[51] **Int.Cl. B29C 55/04 (2006.01) B32B 3/02 (2006.01)**
[25] EN
[54] **MANUFACTURING PROCESS FOR ELASTOMERIC LAMINATE**
[54] **PROCEDE DE FABRICATION D'UN STRATIFIE ELASTOMERE**
[72] DOYLE, JEREMY A., US
[72] KELLEY, RICHARD EUGENE, JR., US
[72] CAPPELLINI, PIERLUIGI, US
[71] FIRST QUALITY BABY PRODUCTS, LLC, US
[85] 2017-10-19
[86] 2016-04-21 (PCT/US2016/028673)
[87] (WO2016/172357)
[30] US (62/150,505) 2015-04-21

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[21] **2,983,434**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) C12N 5/0783 (2010.01)**
[25] EN
[54] **NKT-CELL SUBSET FOR IN VIVO PERSISTENCE AND THERAPEUTIC ACTIVITY AND PROPAGATION OF SAME**
[54] **SOUS-ENSEMBLE DE CELLULES NKT POUR LA PERSISTANCE ET L'ACTIVITE THERAPEUTIQUE IN VIVO ET PROPAGATION DE CELUI-CI**
[72] METELITSA, LEONID S., US
[72] COURTNEY, AMY N., US
[72] TIAN, GENGWEN, US
[71] BAYLOR COLLEGE OF MEDICINE, US
[85] 2017-10-19
[86] 2016-04-21 (PCT/US2016/028693)
[87] (WO2016/172372)
[30] US (62/151,690) 2015-04-23
[30] US (62/309,525) 2016-03-17

[21] **2,983,438**
[13] A1

[51] **Int.Cl. A61C 8/00 (2006.01)**
[25] EN
[54] **PLACEMENT DEVICE FOR A DENTAL COMPONENT**
[54] **DISPOSITIF DE PLACEMENT DENTAIRE POUR UN COMPOSANT DENTAIRE**
[72] WEITZEL, JORG, DE
[72] CARRETTA, ROBERTO, CH
[71] NOBEL BIOCARE SERVICES AG, CH
[85] 2017-10-19
[86] 2016-06-16 (PCT/EP2016/063831)
[87] (WO2016/202900)
[30] EP (15172906.8) 2015-06-19

[21] **2,983,439**
[13] A1

[51] **Int.Cl. G06Q 40/04 (2012.01) G06Q 40/06 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CALCULATING AND PROVIDING INITIAL MARGIN UNDER THE STANDARD INITIAL MARGIN MODEL**
[54] **PROCEDE ET SYSTEME DE CALCUL ET DE COMMUNICATION D'UN DEPOT DE GARANTIE SOUS LE MODELE STANDARD DE DEPOT DE GARANTIE**
[72] KODAMA, TOMO, US
[72] STEELE, NICHOLAS, US
[72] SMITH, ALISTAIR, GB
[72] DIPLAS, ATHANASSIOS, US
[72] FRANKEL, OLIVER, US
[72] KRABbenhoeft, KEVIN, US
[72] LIU, ROBERT, US
[72] THAMAN, HITANSHI, US
[71] INTERNATIONAL SWAPS AND DERIVATIVES ASSOCIATION, INC., US
[85] 2017-10-19
[86] 2016-04-29 (PCT/US2016/030246)
[87] (WO2016/176637)
[30] US (62/154,261) 2015-04-29
[30] US (62/243,973) 2015-10-20

[21] **2,983,440**
[13] A1

[51] **Int.Cl. C07K 14/00 (2006.01) A61K 38/17 (2006.01) C07K 14/47 (2006.01) C07K 14/495 (2006.01) C07K 14/51 (2006.01)**
[25] EN
[54] **NOVEL HYBRID ACTRIIB LIGAND TRAP PROTEINS FOR TREATING MUSCLE WASTING DISEASES**
[54] **NOUVELLES PROTEINES HYBRIDES PIEGEANT LE LIGAND ACTRIIB POUR LE TRAITEMENT DE MALADIES AMYOTROPHIQUES**
[72] HAN, HQ, US
[72] ZHOU, XIAOLAN, US
[71] ALIVEGEN USA INC., US
[85] 2017-10-19
[86] 2016-04-12 (PCT/US2016/027046)
[87] (WO2016/171948)
[30] US (62/150,994) 2015-04-22
[30] US (62/262,356) 2015-12-02

[21] **2,983,441**
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[51] **Int.Cl. H02P 6/08 (2016.01) H02P 27/08 (2006.01)**
[25] EN
[54] **CONTROL APPARATUS AND CONTROL METHOD**
[54] **REGULATEUR ET PROCEDE DE REGULATION**
[72] SHOUJI, MITSUHIRO, JP
[72] KAWAMURA, HIROMICHI, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2017-10-19
[86] 2015-04-20 (PCT/JP2015/062017)
[87] (WO2016/170585)

[21] **2,983,442**
[13] A1

[51] **Int.Cl. A61C 8/00 (2006.01) A61C 13/225 (2006.01)**
[25] EN
[54] **DENTAL CONNECTION ASSEMBLY AND METHOD FOR PRODUCING A DENTAL PROSTHESIS**
[54] **ENSEMBLE DE LIAISON DENTAIRE ET PROCEDE DE PRODUCTION DE PROTHESE DENTAIRE**
[72] KAUP, THOMAS, CH
[72] WEITZEL, JORG, DE
[72] CARRETTA, ROBERTO, CH
[72] CHRISTIANSEN, PIERS, CH
[72] TSCHOPP, RAQUEL, CH
[71] NOBEL BIOCARE SERVICES AG, CH
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[86] 2016-06-17 (PCT/EP2016/064102)
[87] (WO2016/203030)
[30] EP (15172921.7) 2015-06-19
[30] EP (16166121.0) 2016-04-20

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[13] A1

[51] **Int.Cl. D21C 3/20 (2006.01) D21C 9/18 (2006.01) D21D 1/20 (2006.01) D21H 11/18 (2006.01)**

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[54] **METHODS FOR THE PRODUCTION OF HIGH SOLIDS NANOCELLULOSE**

[54] **PROCEDES POUR LA PRODUCTION DE NANOCELLULOSE A TENEUR ELEVEE EN SOLIDES**

[72] BILODEAU, MICHAEL, US
[72] SPENDER, JONATHAN, US
[72] VAN HEININGEN, ADRIAAN, US
[71] UNIVERSITY OF MAINE SYSTEM BOARD OF TRUSTEES, US

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[86] 2016-04-22 (PCT/US2016/029027)
[87] (WO2016/172616)
[30] US (62/151,795) 2015-04-23

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[51] **Int.Cl. A61B 8/00 (2006.01) A61B 8/08 (2006.01)**

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[54] **AUTONOMOUS ULTRASOUND PROBE AND RELATED APPARATUS AND METHODS**

[54] **SONDE A ULTRASONS AUTONOME ET APPAREIL ET PROCEDES ASSOCIES**

[72] RALSTON, TYLER S., US
[72] SANCHEZ, NEVADA J., US
[71] BUTTERFLY NETWORK, INC., US

[85] 2017-10-19
[86] 2016-05-13 (PCT/US2016/032261)
[87] (WO2016/186981)
[30] US (14/714,150) 2015-05-15

[21] **2,983,445**
[13] A1

[51] **Int.Cl. C12N 1/19 (2006.01) C12N 15/52 (2006.01) C12N 15/53 (2006.01)**

[25] EN

[54] **METHODS OF PRODUCING EPIMERASES AND BENZYLISOQUINOLINE ALKALOIDS**

[54] **PROCEDES DE PRODUCTION D'EPIMERASES ET D'ALCALOIDES BENZYLISOQUINOLEINE**

[72] SMOLKE, CHRISTINA D., US
[72] GALANIE, STEPHANIE, US
[72] TRENCHARD, ISIS, US
[72] THODEY, CATHERINE, US
[72] LI, YANRAN, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US

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[86] 2016-05-09 (PCT/US2016/031506)
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[30] US (62/159,122) 2015-05-08
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[13] A1

[51] **Int.Cl. A61K 31/47 (2006.01) C07D 217/24 (2006.01)**

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[54] **BROMODOMAIN INHIBITOR**

[54] **INHIBITEUR DE BROMODOMAINES**

[72] BETANCORT, JUAN MANUEL, US
[72] STAFFORD, JEFFREY ALAN, US
[72] STANSFIELD, RYAN, US
[72] VEAL, JAMES MARVIN, US
[71] CELGENE QUANTICEL RESEARCH, INC., US

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[86] 2016-04-22 (PCT/US2016/029029)
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[13] A1

[51] **Int.Cl. A61B 5/055 (2006.01) G01R 33/20 (2006.01) G01R 33/32 (2006.01) G01R 33/34 (2006.01)**

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[54] **RADIO FREQUENCY COIL METHODS AND APPARATUS**

[54] **PROCEDES ET APPAREIL POUR BOBINE A RADIOFREQUENCES**

[72] POOLE, MICHAEL STEPHEN, US
[72] CHARVAT, GREGORY L., US
[72] REARICK, TODD, US
[72] ROTHBERG, JONATHAN M., US
[71] HYPERFINE RESEARCH, INC., US

[85] 2017-10-19
[86] 2016-05-12 (PCT/US2016/032014)
[87] (WO2016/183284)
[30] US (62/160,036) 2015-05-12
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[13] A1

[51] **Int.Cl. C07F 7/00 (2006.01)**

[25] EN

[54] **NITROGEN TITANIUM COMPLEX, CATALYTIC SYSTEM COMPRISING SAID NITROGEN TITANIUM COMPLEX AND PROCESS FOR THE (CO)POLYMERIZATION OF CONJUGATED DIENES**

[54] **COMPLEXE D'AZOTE TITANE, SYSTEME CATALYTIQUE COMPRENANT LEDIT COMPLEXE D'AZOTE TITANE ET PROCEDE DE (CO)POLYMERISATION DE DIENES CONJUGUES**

[72] SOMMAZZI, ANNA, IT
[72] PAMPALONI, GUIDO, IT
[72] RICCI, GIOVANNI, IT
[72] MASI, FRANCESCO, IT
[72] LEONE, GIUSEPPE, IT
[71] VERSALIS S.P.A., IT

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[86] 2016-07-28 (PCT/EP2016/068034)
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[30] IT (102015000039920) 2015-07-29

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[25] EN
[54] **BEACON BASED CAMPAIGN MANAGEMENT**
[54] **GESTION DE CAMPAGNE BASEE SUR UNE BALISE**
[72] MURTHY, GANAPA
SANSHIDHARA, US
[71] KELLOGG COMPANY, US
[85] 2017-10-19
[86] 2016-04-25 (PCT/US2016/029115)
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[30] US (14/700,989) 2015-04-30

[21] **2,983,451**
[13] A1

[51] **Int.Cl. F03B 13/26 (2006.01) B63B 35/00 (2006.01) F03B 17/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TIDAL ENERGY CONVERSION AND ELECTRICAL POWER GENERATION**
[54] **SYSTEMES ET PROCEDES POUR CONVERSION D'ENERGIE MAREMOTRICE ET PRODUCTION D'ENERGIE ELECTRIQUE**
[72] BLODGETT, LYNN, US
[72] BAGLEY, COLIN, US
[71] BIG MOON POWER, INC., US
[85] 2017-10-19
[86] 2016-04-29 (PCT/US2016/030294)
[87] (WO2016/179048)
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[30] US (62/261,565) 2015-12-01
[30] US (62/272,759) 2015-12-30
[30] US (62/322,501) 2016-04-14

[21] **2,983,452**
[13] A1

[51] **Int.Cl. B65B 9/04 (2006.01) B65B 47/08 (2006.01)**
[25] EN
[54] **PROCESS OF MAKING A WATER SOLUBLE POUCH**
[54] **PROCEDE DE FABRICATION D'UNE POCHE SOLUBLE DANS L'EAU**
[72] BRANDT SANZ, MIGUEL, BE
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2017-10-19
[86] 2016-05-18 (PCT/US2016/032956)
[87] (WO2016/191158)
[30] US (14/719,853) 2015-05-22

[21] **2,983,454**
[13] A1

[51] **Int.Cl. C12M 1/00 (2006.01) C12M 1/02 (2006.01) C12M 1/04 (2006.01) C12M 1/12 (2006.01) C12M 1/36 (2006.01) C12M 1/38 (2006.01)**
[25] EN
[54] **AN APPARATUS FOR PROVIDING LARGE AMOUNTS OF GAS TO A FERMENTATION BROTH**
[54] **APPAREIL DESTINE A FOURNIR DE GRANDES QUANTITES DE GAZ A UN BOUILLON DE FERMENTATION**
[72] MEDOFF, MARSHALL, US
[72] MASTERMAN, THOMAS CRAIG, US
[72] PARADIS, ROBERT, US
[72] YOSHIDA, AIICHIRO, US
[72] HEINZE, KAREN, US
[71] XYLECO, INC., US
[85] 2017-10-19
[86] 2016-07-06 (PCT/US2016/041038)
[87] (WO2017/007788)
[30] US (62/189,316) 2015-07-07

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[13] A1

[51] **Int.Cl. A61K 35/12 (2015.01) A61K 35/17 (2015.01) A61K 39/385 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **DISEASE THERAPY WITH CHIMERIC ANTIGEN RECEPTOR (CAR) CONSTRUCTS AND T CELLS (CAR-T) OR NK CELLS (CAR-NK) EXPRESSING CAR CONSTRUCTS**
[54] **TRAITEMENT DE MALADIES AVEC DES CONSTRUCTIONS DE RECEPTEUR D'ANTIGENE CHIMERIQUE (CAR) ET LYMPHOCYTES T (CAR-T) OU CELLULES NK (CAR-NK) EXPRIMANT DES CONSTRUCTIONS CAR**
[72] CHANG, CHIEN-HSING, US
[72] LIU, DONGLIN, US
[72] GOLDENBERG, DAVID M., US
[71] IMMUNOMEDICS, INC., US
[85] 2017-10-19
[86] 2016-06-10 (PCT/US2016/036987)
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[30] US (62/174,894) 2015-06-12
[30] US (62/193,853) 2015-07-17

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[13] A1

[51] **Int.Cl. B65D 83/20 (2006.01) B65D 83/22 (2006.01)**
[25] FR
[54] **DISPENSING HEAD FOR AEROSOL CONTAINER PROVIDED WITH BLOCKING MEANS**
[54] **TETE DE DISTRIBUTION POUR RECIPIENT AEROSOL MUNIE DE MOYENS DE BLOCAGE**
[72] BODET, HERVE, FR
[72] PELTIER, JEROME, FR
[71] LINDAL FRANCE SAS, FR
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[86] 2016-04-22 (PCT/EP2016/059100)
[87] (WO2016/170169)
[30] FR (1553681) 2015-04-24

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[13] A1

[51] **Int.Cl. G06F 11/00 (2006.01)**
[25] EN
[54] **CYBER SECURITY SYSTEM AND METHOD USING INTELLIGENT AGENTS**
[54] **SYSTEME DE SECURITE ELECTRONIQUE ET PROCEDE UTILISANT DES AGENTS INTELLIGENTS**
[72] CANFIELD, RAYMOND, US
[71] CANFIELD, RAYMOND, US
[85] 2017-10-19
[86] 2016-07-18 (PCT/US2016/042820)
[87] (WO2017/011833)
[30] US (62/193,486) 2015-07-16

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[13] A1

[51] **Int.Cl. C07C 235/80 (2006.01) A61K 51/10 (2006.01) C07C 247/14 (2006.01) C07C 261/02 (2006.01) C07K 17/06 (2006.01)**
[25] EN
[54] **NOVEL IMAGING COMPOSITION AND USES THEREOF**
[54] **NOUVELLE COMPOSITION D'IMAGERIE ET SES UTILISATIONS**
[72] DONNELLY, PAUL STEPHEN, AU
[72] RUDD, STACEY ERIN, AU
[72] WILLIAMS, SPENCER JOHN, AU
[71] THE UNIVERSITY OF MELBOURNE, AU
[85] 2017-10-20
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[54] **DERIVATIVES OF KORORMICIN USEFUL AS ANTIBIOTICS**

[54] **DERIVES DE KORORMICINE UTILES EN TANT QU'ANTIBIOTIQUES**

[72] DIBROV, PAVEL, CA
[72] DIBROV, ELENA, CA
[72] PIERCE, GRANT, CA
[71] DIBROV, PAVEL, CA
[71] DIBROV, ELENA, CA
[71] PIERCE, GRANT, CA
[85] 2017-10-20
[86] 2016-04-22 (PCT/CA2016/050470)
[87] (WO2016/168938)
[30] US (62/151,902) 2015-04-23

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[13] A1

[51] **Int.Cl. G02B 27/01 (2006.01) G06T 15/04 (2011.01) G06T 15/80 (2011.01) G09G 5/36 (2006.01)**

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[54] **METHODS AND DEVICES FOR OPTICAL ABERRATION CORRECTION**

[54] **PROCEDES ET DISPOSITIFS DE CORRECTION D'ABERRATION OPTIQUE**

[72] JONES, FRANK, CA
[72] ERSHADI, MEHDI AREZOOMAND, CA
[72] BACQUE, JAMES BENSON, CA
[71] ESIGHT CORP., CA
[85] 2017-10-20
[86] 2016-04-22 (PCT/CA2016/000122)
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[21] **2,983,462**
[13] A1

[51] **Int.Cl. C01B 17/00 (2006.01) C01B 25/26 (2006.01) C01B 25/42 (2006.01) C01G 37/14 (2006.01)**

[25] EN

[54] **STABLE ELECTROLYTE MATERIAL AND SOLVENT MATERIAL CONTAINING SAME**

[54] **MATERIAU A ELECTROLYTE STABLE CONTENANT CELUI-CI**

[72] CARLSON, LAWRENCE, US
[72] HOEL, TIMOTHY, US
[72] ADLOFF, LAWRENCE, US
[72] WURZBURGER, STEVEN, US
[71] CARLSON, LAWRENCE, US
[71] HOEL, TIMOTHY, US
[71] ADLOFF, LAWRENCE, US
[71] WURZBURGER, STEVEN, US
[85] 2017-10-19
[86] 2016-04-25 (PCT/US2016/029173)
[87] (WO2016/172687)
[30] US (62/152,009) 2015-04-23

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[13] A1

[51] **Int.Cl. E04B 2/86 (2006.01) E04G 21/00 (2006.01)**

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[54] **INSULATED CONCRETE FORM CONSTRUCTION METHOD AND SYSTEM**

[54] **PROCEDE ET SYSTEME DE CONSTRUCTION DE COFFRAGE ISOLE**

[72] DAJNKO, MARJAN, CA
[71] INTEGRATED CONCRETE FORMING LTD., CA
[85] 2017-10-20
[86] 2016-02-11 (PCT/CA2016/050125)
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[30] US (62/150,077) 2015-04-20

[21] **2,983,466**
[13] A1

[51] **Int.Cl. G06F 19/00 (2011.01) G06Q 50/24 (2012.01) G06F 17/30 (2006.01)**

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[54] **PATIENT-CENTRIC HEALTH RECORD SYSTEM AND RELATED METHODS**

[54] **SYSTEME DE DOSSIERS MEDICAUX CENTRE SUR LE PATIENT ET PROCEDES ASSOCIES**

[72] BESSETTE, LUC, CA
[72] LE BORGNE, YVES, CA
[71] BESSETTE, LUC, CA
[85] 2017-10-20
[86] 2016-04-13 (PCT/CA2016/050424)
[87] (WO2016/168922)
[30] US (62/150,013) 2015-04-20

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[13] A1

[51] **Int.Cl. B01L 9/00 (2006.01) B01L 3/00 (2006.01)**

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[54] **INCUBATION TRAY**

[54] **CONDUIT D'INCUBATION**

[72] KAFFKA, CHRISTIAN, DE
[71] EUROIMMUN MEDIZINISCHE LABORDIAGNOSTIKA AG, DE
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[86] 2015-12-21 (PCT/EP2015/002575)
[87] (WO2016/169576)
[30] EP (15001230.0) 2015-04-24

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[13] A1

[51] **Int.Cl. C09C 1/00 (2006.01) C09C 1/04 (2006.01)**

[25] EN

[54] **CARBON-COATED PARTICLES**

[54] **PARTICULES REVETUES DE CARBONE**

[72] MATHEU, DAVID M., US
[72] CLARKE, THEIS, US
[72] CROCKER, DAVID SCOTT, US
[72] RUMPF, FREDERICK H., US
[72] REYNOLDS, DAVID C., US
[72] DOSHI, DHAVAL, US
[72] GREEN, MARTIN C., US
[71] CABOT CORPORATION, US
[85] 2017-10-19
[86] 2016-04-27 (PCT/US2016/029415)
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[30] US (62/155,142) 2015-04-30
[30] US (62/304,694) 2016-03-07

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[13] A1

[51] **Int.Cl. H04S 1/00 (2006.01)**
[25] EN
[54] **AN AUDIO SIGNAL PROCESSING APPARATUS AND METHOD FOR MODIFYING A STEREO IMAGE OF A STEREO SIGNAL**
[54] **APPAREIL DE TRAITEMENT DE SIGNAL AUDIO ET PROCEDE POUR MODIFIER UNE IMAGE STEREOSCOPIQUE D'UN SIGNAL STEREOSCOPIQUE**
[72] GEIGER, JURGEN, DE
[72] GROSCHE, PETER, DE
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-10-20
[86] 2015-04-24 (PCT/EP2015/058879)
[87] (WO2016/169608)

[21] **2,983,475**
[13] A1

[51] **Int.Cl. A61K 31/4545 (2006.01) A61P 35/00 (2006.01) C07D 401/14 (2006.01)**
[25] EN
[54] **FUMARATE AND CRYSTALS OF PYRIDYLAMINE COMPOUND**
[54] **FUMARATE ET CRISTAUX DE COMPOSE DE PYRIDYLAMINE**
[72] ZHAO, RUI, CN
[72] MENG, QINGYI, CN
[72] LI, XINLU, CN
[72] ZHANG, XIQUAN, CN
[71] PHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2017-10-20
[86] 2015-04-23 (PCT/CN2015/077308)
[87] (WO2016/169030)

[21] **2,983,479**
[13] A1

[51] **Int.Cl. G06F 3/06 (2006.01)**
[25] EN
[54] **METHOD FOR ACCESSING EXTENDED MEMORY, DEVICE, AND SYSTEM**
[54] **METHODE D'ACCES A LA MEMOIRE ETENDUE, DISPOSITIF ET SYSTEME**
[72] CUI, ZEHAN, CN
[72] CHEN, MINGYU, CN
[72] LIU, YAO, CN
[72] RUAN, YUAN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[86] 2016-02-03 (PCT/CN2016/073304)
[87] (WO2016/169318)
[30] CN (201510198452.X) 2015-04-23

[21] **2,983,473**
[13] A1

[51] **Int.Cl. C08G 63/60 (2006.01) C08G 63/78 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A BRANCHED POLY(HYDROXYL ACID)**
[54] **PROCEDE DE FABRICATION D'UN POLY (HYDROXYLE ACIDE) RAMIFIE**
[72] PADMANABAN, GURURAJAN, IN
[72] CHARATI, SANJAY GURBASAPPA, FR
[72] MAKWANA, KETAN, IN
[72] SAHA, DIPANJAN, IN
[72] RAJESHIRKE, MANALI, IN
[71] SOLVAY SA, BE
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[86] 2015-04-29 (PCT/EP2015/059299)
[87] (WO2016/173640)

[21] **2,983,478**
[13] A1

[51] **Int.Cl. B24D 11/00 (2006.01) B24D 3/00 (2006.01)**
[25] EN
[54] **ABRASIVE BELT GRINDING PRODUCT**
[54] **PRODUIT DE MEULAGE A COURROIE ABRASIVE**
[72] SCHUMACHER, NICOLAS, FI
[72] GRON, JAN, FI
[72] KYYNARAINEN, NIINA, FI
[72] HEDE, HANS, FI
[72] SUNDELL, MATS, FI
[71] MIRKA LTD., FI
[85] 2017-10-20
[86] 2015-05-08 (PCT/EP2015/060186)
[87] (WO2016/180437)

[21] **2,983,480**
[13] A1

[51] **Int.Cl. B29C 70/38 (2006.01) B29C 53/58 (2006.01) B29C 53/68 (2006.01)**
[25] EN
[54] **DEVICE FOR LAYING UP A COMPOSITE PRODUCT WITH FIBROUS ROVINGS**
[54] **DISPOSITIF PERMETTANT DE DISPOSER DES COUCHES D'UN PRODUIT COMPOSITE A STRATIFILS FIBREUX**
[72] TICHY, STANISLAV, CZ
[72] KLAUZ, JIRI, CZ
[72] HASL, PAUL, CZ
[72] STRAKA, JAROMIR, CZ
[71] MAGNA EXTERIORS (BOHEMIA) S.R.O., CZ
[71] AURA - ENGINEERING HRANICE S.R.O., CZ
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[30] CZ (PV 2015-275) 2015-04-24

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[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **JANUS KINASE INHIBITOR**
[54] **INHIBITEUR DE LA JANUS KINASE**
[72] WU, HAO, CN
[72] MAO, WEIWEI, CN
[72] HUANG, YIQIANG, CN
[72] FAN, LILI, CN
[72] CHEN, SHUHUI, CN
[71] WUXI FORTUNE PHARMACEUTICAL CO., LTD., CN
[85] 2017-10-20
[86] 2016-05-26 (PCT/CN2016/083426)
[87] (WO2016/192563)
[30] CN (201510289933.1) 2015-05-29
[30] CN (201610344370.6) 2016-05-23

[21] **2,983,482**
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01)**
[25] EN
[54] **A FLUID ANALYSIS DEVICE**
[54] **DISPOSITIF D'ANALYSE DE FLUIDE**
[72] PEUMANS, PETER, BE
[72] LAGAE, LIESBET, BE
[72] FIORINI, PAOLO, BE
[71] IMEC VZW, BE
[85] 2017-10-20
[86] 2015-11-24 (PCT/EP2015/077439)
[87] (WO2016/083337)
[30] EP (14194859.6) 2014-11-26

[21] **2,983,484**
[13] A1

[51] **Int.Cl. D02G 3/08 (2006.01) D02G 3/04 (2006.01) D02G 3/36 (2006.01) D21F 11/16 (2006.01)**
[25] EN
[54] **CHEMICAL METHOD AND SYSTEM FOR THE MANUFACTURE OF FIBROUS YARN**
[54] **PROCEDE ET SYSTEME CHIMIQUE PERMETTANT LA FABRICATION DE FIL FIBREUX**
[72] LIUKKONEN, JOHANNA, FI
[72] HAAVISTO, SANNA, FI
[72] SELENIUS, PASI, FI
[72] SALMELA, JUHA, FI
[72] PORANEN, JANNE, FI
[71] SPINNOVA OY, FI
[85] 2017-10-20
[86] 2016-04-25 (PCT/FI2016/050269)
[87] (WO2016/174307)
[30] US (62/153,656) 2015-04-28

[21] **2,983,485**
[13] A1

[51] **Int.Cl. C07D 489/02 (2006.01) A61K 31/485 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **CRYSTALLINE SALTS OF HYDROCODONE BITARTRATE**
[54] **SELS CRISTALLINS DE BITARTRATE D'HYDROCODONE**
[72] WENING, KLAUS, DE
[72] BARNSCHEID, LUTZ, DE
[72] GEISSLER, ANJA, DE
[72] DENKER, JANA, DE
[72] LISCHKE, DAGMAR, DE
[71] GRUNENTHAL GMBH, DE
[85] 2017-10-20
[86] 2016-04-22 (PCT/EP2016/025040)
[87] (WO2016/169662)
[30] EP (15001225.0) 2015-04-24

[21] **2,983,486**
[13] A1

[51] **Int.Cl. A61K 6/02 (2006.01) A61F 2/28 (2006.01) A61L 27/10 (2006.01) A61L 27/54 (2006.01) A61P 19/08 (2006.01)**
[25] EN
[54] **IRRIGATION RESISTANT COMPOSITIONS FOR REGENERATION OF HARD TISSUES AND METHODS AND KITS OF USING THE SAME**
[54] **COMPOSITIONS RESISTANTES A L'IRRIGATION POUR LA REGENERATION DE TISSUS DURS ET LEURS PROCEDES ET EQUIPEMENTS D'UTILISATION**
[72] POMRINK, GREGORY J., US
[72] TOSUN, ZEHRA, US
[71] NOVABONE PRODUCTS, LLC, US
[85] 2017-10-19
[86] 2016-04-22 (PCT/US2016/028764)
[87] (WO2016/172426)
[30] US (14/695,910) 2015-04-24

[21] **2,983,488**
[13] A1

[51] **Int.Cl. A61B 17/80 (2006.01) A61B 17/88 (2006.01)**
[25] EN
[54] **CLAVICLE IMPLANTS**
[54] **IMPLANTS DE CLAVICULE**
[72] SIXTO, ROBERT, US
[72] SUAREZ, ANDREA, US
[72] KORTENBACH, JUERGEN A., US
[72] PEREZ, ALEJANDRO, US
[71] BIOMET MANUFACTURING, LLC, US
[85] 2017-10-19
[86] 2016-04-22 (PCT/US2016/028924)
[87] (WO2016/172536)
[30] US (62/152,320) 2015-04-24

[21] **2,983,491**
[13] A1

[51] **Int.Cl. F16K 1/22 (2006.01) F16C 17/04 (2006.01) F16C 17/10 (2006.01)**
[25] EN
[54] **BEARING FOR ROTARY CONTROL VALVE**
[54] **PALIER POUR SOUPE DE COMMANDE ROTATIVE**
[72] LEGER, BRYAN Q., US
[71] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2017-10-19
[86] 2016-04-25 (PCT/US2016/029134)
[87] (WO2016/172671)
[30] US (62/152,647) 2015-04-24

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[21] **2,983,494**
[13] A1

[51] **Int.Cl. B64G 1/64 (2006.01) B64G 1/10 (2006.01)**

[25] EN

[54] **STACKABLE SATELLITES AND METHOD OF STACKING SAME**

[54] **SATELLITES EMPILABLES ET LEUR PROCEDE D'EMPILAGE**

[72] ASKIJIAN, ARMEN, US

[72] FIELD, DANIEL W., US

[72] GROSSMAN, JAMES, US

[72] SMITH, ALEXANDER D., US

[71] WORLDVU SATELLITES LIMITED, US

[85] 2017-10-19

[86] 2016-04-27 (PCT/US2016/029509)

[87] (WO2016/176298)

[30] US (14/700,466) 2015-04-30

[21] **2,983,497**
[13] A1

[51] **Int.Cl. B64G 1/64 (2006.01) B64G 1/10 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR ASSEMBLING AND DEPLOYING SATELLITES**

[54] **SYSTEME ET PROCEDE POUR ASSEMBLER ET DEPLOYER DES SATELLITES**

[72] FIELD, DANIEL W., US

[72] ASKIJIAN, ARMEN, US

[72] GROSSMAN, JAMES, US

[72] SMITH, ALEXANDER D., US

[71] WORLDVU SATELLITES LIMITED, US

[85] 2017-10-19

[86] 2016-04-27 (PCT/US2016/029518)

[87] (WO2016/176302)

[30] US (14/700,504) 2015-04-30

[21] **2,983,499**
[13] A1

[51] **Int.Cl. C07D 489/04 (2006.01) A61K 31/485 (2006.01) A61P 25/04 (2006.01)**

[25] EN

[54] **CRYSTALLINE SALTS OF MORPHINE SULFATE**

[54] **SELS CRISTALLINS DE SULFATE DE MORPHINE**

[72] WENING, KLAUS, DE

[72] BARNSCHEID, LUTZ, DE

[72] GEISLER, ANJA, DE

[72] DENKER, JANA, DE

[72] LISCHKE, DAGMAR, DE

[71] GRUENENTHAL GMBH, DE

[85] 2017-10-20

[86] 2016-04-22 (PCT/EP2016/025041)

[87] (WO2016/169663)

[30] EP (15001226.8) 2015-04-24

[21] **2,983,502**
[13] A1

[51] **Int.Cl. B08B 15/02 (2006.01) B01L 1/00 (2006.01) B25H 1/20 (2006.01) G01G 21/28 (2006.01)**

[25] EN

[54] **WEIGHING TAKE-OFF**

[54] **SORBONNE DE PESEE**

[72] LIEBSCH, JURGEN, DE

[71] WALDNER AG, CH

[85] 2017-10-20

[86] 2016-02-15 (PCT/EP2016/053115)

[87] (WO2016/146314)

[30] DE (10 2015 103 765.3) 2015-03-15

[21] **2,983,504**
[13] A1

[51] **Int.Cl. B08B 15/02 (2006.01) B01L 1/00 (2006.01) G01G 21/28 (2006.01)**

[25] EN

[54] **WEIGHING FUME CUPBOARD**

[54] **SORBONNE DE PESEE**

[72] LIEBSCH, JURGEN, DE

[71] WALDNER AG, CH

[85] 2017-10-20

[86] 2016-02-15 (PCT/EP2016/053118)

[87] (WO2016/146315)

[30] DE (10 2015 103 766.1) 2015-03-15

[21] **2,983,509**
[13] A1

[51] **Int.Cl. B08B 15/02 (2006.01) B01L 1/00 (2006.01) B25H 1/20 (2006.01) G01G 21/28 (2006.01)**

[25] EN

[54] **WEIGHING FUME CUPBOARD**

[54] **SORBONNE DE PESEE**

[72] LIEBSCH, JURGEN, DE

[71] WALDNER AG, CH

[85] 2017-10-20

[86] 2016-02-15 (PCT/EP2016/053122)

[87] (WO2016/146317)

[30] DE (10 2015 103 768.8) 2015-03-15

[21] **2,983,513**
[13] A1

[51] **Int.Cl. B08B 15/00 (2006.01) B01L 1/00 (2006.01)**

[25] EN

[54] **BALANCE ENCLOSURE**

[54] **SORTIE DE PESEE**

[72] LIEBSCH, JURGEN, DE

[71] WALDNER AG, CH

[85] 2017-10-20

[86] 2016-02-15 (PCT/EP2016/053127)

[87] (WO2016/146320)

[30] DE (10 2015 103 772.6) 2015-03-15

[21] **2,983,516**
[13] A1

[51] **Int.Cl. C08K 3/16 (2006.01) C08K 5/14 (2006.01) C08L 95/00 (2006.01) C09J 195/00 (2006.01)**

[25] EN

[54] **MODIFIED BITUMINOUS BINDER EMULSION**

[54] **EMULSION DE LIANT BITUMINEUX MODIFIEE**

[72] SUBHAASH, THACHANPARAMBATH KUTTAPPA, IN

[71] COLAS, FR

[85] 2017-10-20

[86] 2016-04-21 (PCT/EP2016/058949)

[87] (WO2016/170083)

[30] EP (15305623.9) 2015-04-23

[30] IN (1133/DEL/2015) 2015-04-23

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[21] **2,983,518**
[13] A1

[51] **Int.Cl. B01J 23/882 (2006.01) B01J 23/883 (2006.01) B01J 37/02 (2006.01) C10G 45/08 (2006.01)**

[25] EN

[54] **HYDROTREATING CATALYST CONTAINING METAL ORGANIC SULFIDES ON DOPED SUPPORTS**

[54] **CATALYSEUR D'HYDROTRAITEMENT CONTENANT DES SULFURES ORGANIQUES METALLIQUES SUR DES SUPPORTS DOPES**

[72] BUS, EVELINE, NL

[72] DEKA, UPAKUL, NL

[72] VAN DER GRIEND, HANS, NL

[72] VOGELAAR, BASTIAAN MAARTEN, NL

[72] THOONEN, SANDER HENDRIKUS LAMBERTUS, NL

[72] EIJSBOUTS-SPICKOVA, SONJA, NL

[71] ALBEMARLE EUROPE SPRL, BE

[85] 2017-10-20

[86] 2016-04-25 (PCT/EP2016/059197)

[87] (WO2016/170188)

[30] US (62/152,382) 2015-04-24

[21] **2,983,533**
[13] A1

[51] **Int.Cl. F01K 13/00 (2006.01) F01K 7/16 (2006.01)**

[25] EN

[54] **COMBINED CYCLE POWER GENERATION**

[54] **GENERATION D'ENERGIE A CYCLES COMBINES**

[72] DENG, SHIMIN, CA

[71] HATCH LTD., CA

[85] 2017-10-20

[86] 2016-04-18 (PCT/CA2016/050447)

[87] (WO2016/168923)

[30] US (62/150,046) 2015-04-20

[21] **2,983,537**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/18 (2006.01) C07K 16/46 (2006.01)**

[25] EN

[54] **METHOD FOR INCREASING THE PERCENTAGE OF MONOMERIC ANTIBODY FAB-DSFV MULTIMERIC SPECIES**

[54] **PROCEDE POUR AUGMENTER LE POURCENTAGE D'ESPECE MULTIMERIQUE FAB-DSFV D'ANTICORPS MONOMERIQUE**

[72] HEYWOOD, SAM PHILIP, GB

[72] WILD, GAVIN BARRY, GB

[72] LE PAGE, CHRISTOPHER JOHN, GB

[72] HANIF, RAZWAN, GB

[71] UCB BIOPHARMA SPRL, BE

[85] 2017-10-20

[86] 2016-04-22 (PCT/EP2016/059050)

[87] (WO2016/170137)

[30] GB (1506869.5) 2015-04-22

[21] **2,983,539**
[13] A1

[51] **Int.Cl. D04H 1/488 (2012.01) D04H 1/49 (2012.01) A41D 27/06 (2006.01) D04H 1/66 (2012.01) D04H 1/68 (2012.01) D06M 17/10 (2006.01)**

[25] EN

[54] **THERMOFUSIBLE SHEET MATERIAL**

[54] **TEXTILE THERMOFIXABLE**

[72] TRASER, STEFFEN, DE

[72] KREMSER, STEFFEN, DE

[71] CARL FREUDENBERG KG, DE

[85] 2017-10-20

[86] 2016-04-04 (PCT/EP2016/057314)

[87] (WO2016/169752)

[30] DE (10 2015 005 089.3) 2015-04-22

[21] **2,983,542**
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01) G01N 33/74 (2006.01)**

[25] EN

[54] **A METHOD FOR PREDICTING THE RISK OF INCIDENCE OF CHRONIC KIDNEY DISEASE**

[54] **METHODE PERMETTANT DE PREDIRE LE RISQUE D'INCIDENCE D'UNE MALADIE RENALE CHRONIQUE**

[72] BERGMANN, ANDREAS, DE

[72] MELANDER, OLLE, SE

[71] SPHINGOTEC GMBH, DE

[85] 2017-10-20

[86] 2016-04-21 (PCT/EP2016/058829)

[87] (WO2016/170023)

[30] EP (15165047.0) 2015-04-24

[21] **2,983,544**
[13] A1

[51] **Int.Cl. A61M 5/31 (2006.01) C23C 16/40 (2006.01)**

[25] EN

[54] **PRIMARY PACKAGING AND METHOD FOR THE MANUFACTURE OF A PRIMARY PACKAGING**

[54] **MOYEN D'EMBALLAGE PRINCIPAL ET PROCEDE DE FABRICATION D'UN MOYEN D'EMBALLAGE PRINCIPAL**

[72] KUHNLE, SARAH, DE

[72] BOTTGER, FRANK, DE

[72] NELLES, PAUL, DE

[71] VETTER PHARMA-FERTIGUNG GMBH & CO. KG, DE

[85] 2017-10-20

[86] 2016-04-21 (PCT/EP2016/058895)

[87] (WO2016/170054)

[30] DE (10 2015 207 228.2) 2015-04-21

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[21] **2,983,545**
[13] A1

[51] **Int.Cl. A23L 5/44 (2016.01) A23L 5/40 (2016.01) A23L 2/58 (2006.01)**

[25] EN

[54] **WATER-DISPERSIBLE COLORING COMPOSITION**

[54] **COMPOSITION COLORANTE DISPERSIBLE DANS L'EAU**

[72] KOEHLER, KLAUS, DK

[72] NAUD, JULIETTE, DK

[71] CHR. HANSEN NATURAL COLORS A/S, DK

[85] 2017-10-20

[86] 2016-04-26 (PCT/EP2016/059232)

[87] (WO2016/174004)

[30] EP (15165332.6) 2015-04-28

[30] EP (16154833.4) 2016-02-09

[21] **2,983,548**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) G01N 33/574 (2006.01) G01N 33/68 (2006.01)**

[25] EN

[54] **IGF-1R ANTIBODY AND ITS USE FOR THE DIAGNOSIS OF CANCER**

[54] **ANTICORPS ANTI-IGF-1R ET SON UTILISATION POUR LE DIAGNOSTIC DU CANCER**

[72] JOUHANNEAUD, ALEXANDRA, FR

[71] PIERRE FABRE MEDICAMENT, FR

[85] 2017-10-20

[86] 2016-04-27 (PCT/EP2016/059338)

[87] (WO2016/174053)

[30] EP (15305642.9) 2015-04-27

[21] **2,983,549**
[13] A1

[51] **Int.Cl. C40B 40/10 (2006.01)**

[25] EN

[54] **METHOD AND COMPOSITION FOR PEPTIDE CYCLIZATION AND PROTEASE TREATMENT**

[54] **PROCEDE ET COMPOSITION POUR CYCLISATION PEPTIDIQUE ET TRAITEMENT PAR PROTEASE**

[72] ALBERT, THOMAS, US

[72] LYAMICHEV, VICTOR, US

[72] PATEL, JIGAR, US

[72] GOODRICH, LAUREN, US

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

[85] 2017-10-20

[86] 2016-04-22 (PCT/EP2016/058998)

[87] (WO2016/170107)

[30] US (62/152,010) 2015-04-23

[21] **2,983,551**
[13] A1

[51] **Int.Cl. G06Q 50/22 (2012.01) G06Q 10/10 (2012.01)**

[25] EN

[54] **LOCATION-BASED WIRELESS DIABETES MANAGEMENT SYSTEMS, METHODS AND APPARATUS**

[54] **SYSTEMES, PROCEDES ET APPAREILS DE GESTION DU DIABETE SANS FIL EN FONCTION DE L'EMPLACEMENT**

[72] GASS, JENNIFER L., US

[72] HARBOUN, MICHAEL, US

[72] KING, SIMON, US

[71] ASCENSIA DIABETES CARE HOLDINGS AG, CH

[85] 2017-10-20

[86] 2016-04-29 (PCT/EP2016/059616)

[87] (WO2016/174206)

[30] US (62/154,600) 2015-04-29

[21] **2,983,552**
[13] A1

[51] **Int.Cl. G04R 20/00 (2013.01) G01S 19/07 (2010.01) G01S 19/28 (2010.01) G04R 20/02 (2013.01) H04B 7/02 (2017.01)**

[25] FR

[54] **SYSTEM FOR PROCESSING SIGNALS FROM AN EMITTER FOR THE PURPOSE OF DATING THE SIGNALS AND LOCATING THE EMITTER, AND ASSOCIATED RECEIVING STATION**

[54] **SYSTEME DE TRAITEMENT DE SIGNAUX ISSUS D'UN EMETTEUR A DES FINS DE DATATION DE SIGNAUX ET DE LOCALISATION DE L'EMETTEUR ET STATION DE RECEPTION ASSOCIE**

[72] GUILLOT, BAPTISTE, FR

[72] SAFFRE, FREDERIC, FR

[72] PICARD, YANN, FR

[71] ZODIAC DATA SYSTEMS, FR

[85] 2017-10-20

[86] 2016-04-27 (PCT/EP2016/059340)

[87] (WO2016/174054)

[30] FR (1553761) 2015-04-27

[21] **2,983,554**
[13] A1

[51] **Int.Cl. B65B 5/10 (2006.01) A61J 7/00 (2006.01)**

[25] EN

[54] **DEVICE FOR PACKAGING MEDICATION PORTIONS**

[54] **DISPOSITIF D'EMBALLAGE DE LOTS DE MEDICAMENTS**

[72] HELLENBRAND, CHRISTOPH, DE

[71] BECTON DICKINSON ROWA GERMANY GMBH, DE

[85] 2017-10-20

[86] 2016-05-03 (PCT/EP2016/059930)

[87] (WO2016/180688)

[30] EP (15167584.0) 2015-05-13

[21] **2,983,556**
[13] A1

[51] **Int.Cl. G01N 33/28 (2006.01)**

[25] EN

[54] **PROCESS COMPRISING ANALYSING A FLOWING FLUID**

[54] **PROCEDE COMPRENANT L'ANALYSE D'UN FLUIDE S'ECOULANT**

[72] DE GRAAF, CORNELIS PIETER WILHELMUS, NL

[71] SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B.V., NL

[85] 2017-10-20

[86] 2016-05-04 (PCT/EP2016/059978)

[87] (WO2016/180698)

[30] EP (15167307.6) 2015-05-12

[21] **2,983,557**
[13] A1

[51] **Int.Cl. G01N 33/574 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR HIGH THROUGHPUT SCREENING OF CANCER CELLS**

[54] **SYSTEME ET PROCEDE DE DEPISTAGE A HAUT DEBIT DE CELLULES CANCEREUSES**

[72] BALLAN, EYAL, IL

[71] CANNABICS PHARMACEUTICALS INC., US

[85] 2017-09-13

[86] 2016-05-04 (PCT/IL2016/050471)

[87] (WO2016/189525)

[30] US (62/166,716) 2015-05-27

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[21] **2,983,558**
[13] A1

[51] **Int.Cl. F04B 49/06 (2006.01) F04B 17/03 (2006.01) H02K 7/14 (2006.01) H02P 27/02 (2016.01)**

[25] EN

[54] **METHOD FOR OPERATING THE FLUID DELIVERY SYSTEM**

[54] **PROCEDE PERMETTANT DE FAIRE FONCTIONNER UN SYSTEME DE REFOULEMENT DE FLUIDE**

[72] BEHRENDT, GERALD, DE

[71] CONTINENTAL AUTOMOTIVE GMBH, DE

[85] 2017-10-20

[86] 2016-05-10 (PCT/EP2016/060373)

[87] (WO2016/180800)

[30] DE (10 2015 208 680.1) 2015-05-11

[21] **2,983,559**
[13] A1

[51] **Int.Cl. C07K 5/065 (2006.01) A61K 38/05 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **PROCESS FOR PREPARATION OF NITROGEN MUSTARD DERIVATIVES**

[54] **PROCEDE POUR LA PREPARATION DE DERIVES DE MOUTARDE AZOTES**

[72] WAHLSTROM, NIKLAS HAKAN, SE

[72] WENNERBERG, JOHAN ANDERS, SE

[71] ONCOPEPTIDES AB, SE

[85] 2017-10-20

[86] 2016-05-06 (PCT/EP2016/060242)

[87] (WO2016/180740)

[30] GB (1507903.1) 2015-05-08

[21] **2,983,561**
[13] A1

[51] **Int.Cl. C08G 18/48 (2006.01) C08G 18/18 (2006.01) C08G 18/32 (2006.01) C08G 18/42 (2006.01) C08G 18/76 (2006.01) C08K 3/00 (2006.01)**

[25] EN

[54] **PUR/PIR RIGID FOAMS FROM ISOPROPYLDIENEDIPHENOL-BASED POLYETHERS**

[54] **MOUSSES RIGIDES PUR/PIR COMPOSEES DE POLYETHERS A BASE D'ISOPROPYLDIENEDIPHENOL**

[72] NEFZGER, HARTMUT, DE

[72] SCHLEIERMACHER, STEPHAN, DE

[72] LORENZ, KLAUS, DE

[71] COVESTRO DEUTSCHLAND AG, DE

[85] 2017-10-20

[86] 2016-05-09 (PCT/EP2016/060287)

[87] (WO2016/180757)

[30] EP (15167106.2) 2015-05-11

[30] EP (16154562.9) 2016-02-05

[21] **2,983,562**
[13] A1

[51] **Int.Cl. G06F 19/00 (2011.01) G06F 19/18 (2011.01) A61B 5/00 (2006.01) A61G 99/00 (2006.01)**

[25] EN

[54] **CLINICAL SUPPORT SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE D'ASSISTANCE CLINIQUE**

[72] DAWES, MARTIN, CA

[72] DAWES, DIANA, CA

[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA

[85] 2017-10-20

[86] 2016-04-29 (PCT/CA2016/050495)

[87] (WO2016/172801)

[30] US (62/154,540) 2015-04-29

[21] **2,983,563**
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4985 (2006.01) A61P 25/00 (2006.01)**

[25] EN

[54] **IMIDAZOPYRAZINONES AS PDE1 INHIBITORS**

[54] **IMIDAZOPYRAZINONES UTILISEES COMME INHIBITEURS DE PDE1**

[72] KEHLER, JAN, DK

[72] RASMUSSEN, LARS KYHN, DK

[72] LANGGARD, MORTEN, DK

[72] JESSING, MIKKEL, DK

[72] VITAL, PAULO JORGE VIEIRA, DK

[72] JUHL, KARSTEN, DK

[71] H. LUNDBECK A/S, DK

[85] 2017-10-20

[86] 2016-04-29 (PCT/EP2016/059583)

[87] (WO2016/174188)

[30] DK (PA 2015 00261) 2015-04-30

[30] DK (PA 2015 00666) 2015-10-29

[30] DK (PA 2016 00202) 2016-04-04

[21] **2,983,564**
[13] A1

[51] **Int.Cl. F16K 5/20 (2006.01)**

[25] EN

[54] **NOVEL DOUBLE-PISTON-EFFECT VALVE**

[54] **SOUPAPE A DOUBLE EFFET DE PISTON D'UN NOUVEAU TYPE**

[72] CHEN, JEROME CHIN LUNG, CA

[72] LI, MICHAEL QIANG, CA

[71] FORTUNE MFG. CO., LTD., CN

[85] 2017-10-20

[86] 2015-03-25 (PCT/CN2015/075042)

[87] (WO2016/029689)

[30] CN (201420483410.1) 2014-08-26

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[21] **2,983,565**
[13] A1

[51] **Int.Cl. E04B 1/92 (2006.01) E04B 1/94 (2006.01)**
[25] FR
[54] **BUILDING ELEMENT AND ASSOCIATED REINFORCING DEVICE**
[54] **ELEMENT DE CONSTRUCTION ET DISPOSITIF DE RENFORCEMENT ASSOCIE**
[72] DURANTET, CAROLE, FR
[72] GOOR, JAN, NL
[72] ANDERSSON, LEIF, FR
[71] SAINT-GOBAIN ISOVER, FR
[85] 2017-10-20
[86] 2016-04-28 (PCT/FR2016/050999)
[87] (WO2016/174359)
[30] FR (1500917) 2015-04-30

[21] **2,983,566**
[13] A1

[51] **Int.Cl. A01J 7/04 (2006.01)**
[25] EN
[54] **PLANT FOR WASHING AND SANITISING THE UDDERS OF DAIRY ANIMALS**
[54] **INSTALLATION DE LAVAGE ET DE DESINFECTION DES MAMELLES D'ANIMAUX LAITIERS**
[72] VECCHIA, GIULIANO, IT
[71] PULI-SISTEM S.R.L., IT
[85] 2017-10-20
[86] 2016-04-22 (PCT/IB2016/000519)
[87] (WO2016/170418)
[30] IT (102015902346095) 2015-04-23

[21] **2,983,567**
[13] A1

[51] **Int.Cl. C12N 9/22 (2006.01)**
[25] EN
[54] **NUCLEASE-MEDIATED GENOME EDITING**
[54] **EDITION DU GENOME MEDIEE PAR UNE NUCLEASE**
[72] VAN DER OOST, JOHN, NL
[71] WAGENINGEN UNIVERSITEIT, NL
[85] 2017-10-20
[86] 2016-04-15 (PCT/EP2016/058442)
[87] (WO2016/166340)
[30] GB (1506509.7) 2015-04-16
[30] US (62/269,143) 2015-12-18
[30] US (62/312,724) 2016-03-24

[21] **2,983,568**
[13] A1

[51] **Int.Cl. A61B 17/128 (2006.01) A61B 17/068 (2006.01) A61B 17/10 (2006.01) A61B 17/94 (2006.01)**
[25] EN
[54] **SURGICAL FASTENER DELIVERY AND LOCKING MECHANISM**
[54] **MECANISME DE MISE EN PLACE ET DE VERROUILLAGE D'ELEMENT DE FIXATION CHIRURGICAL**
[72] LEVY, ARIE, IL
[72] LEVIN, YEHONATAN, IL
[72] LEVIN, LENA, IL
[72] LEVIN, OFEK, IL
[71] VIA SURGICAL LTD., IL
[85] 2017-10-20
[86] 2016-04-19 (PCT/IB2016/000571)
[87] (WO2016/170423)
[30] US (62/151,631) 2015-04-23

[21] **2,983,569**
[13] A1

[51] **Int.Cl. H04W 36/14 (2009.01) H04W 48/18 (2009.01) H04W 92/12 (2009.01)**
[25] EN
[54] **COMMUNICATION METHOD, COMMUNICATION SYSTEM, BASE STATION FOR MOBILE COMMUNICATION, AND COMMUNICATION DEVICE FOR WIRELESS LAN**
[54] **PROCEDE DE COMMUNICATION, SYSTEME DE COMMUNICATION, STATION DE BASE POUR COMMUNICATION MOBILE, ET APPAREIL DE COMMUNICATION POUR RESEAU LAN SANS FIL**
[72] ONISHI, SHINJI, JP
[72] MIZUKAMI, DAISUKE, JP
[72] SHIGA, SHINGO, JP
[72] EGASHIRA, KAZUHIRO, JP
[72] TAMURA, TOSHIYUKI, JP
[71] NEC CORPORATION, JP
[85] 2017-10-20
[86] 2016-04-26 (PCT/JP2016/002187)
[87] (WO2016/174864)
[30] JP (2015-091319) 2015-04-28

[21] **2,983,571**
[13] A1

[51] **Int.Cl. B23C 5/12 (2006.01)**
[25] EN
[54] **T-SLOT CUTTER**
[54] **FRAISE POUR RAINURE EN T**
[72] OSAWA, JIRO, JP
[72] YODA, TOMONORI, JP
[71] OSG CORPORATION, JP
[85] 2017-10-20
[86] 2015-06-15 (PCT/JP2015/067162)
[87] (WO2016/203520)

[21] **2,983,572**
[13] A1

[51] **Int.Cl. B21B 13/12 (2006.01) B21B 13/00 (2006.01) B21B 27/02 (2006.01) B21B 29/00 (2006.01) B21B 31/18 (2006.01)**
[25] EN
[54] **MILLING APPARATUS**
[54] **DISPOSITIF DE LAMINAGE**
[72] TACHIBANA, TAKAHIRO, JP
[72] MAEDA, SHIGERU, JP
[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[85] 2017-10-20
[86] 2016-04-25 (PCT/JP2016/062926)
[87] (WO2016/175174)
[30] JP (2015-090310) 2015-04-27

[21] **2,983,573**
[13] A1

[51] **Int.Cl. A45D 20/12 (2006.01)**
[25] EN
[54] **LIGHT IRRADIATION DEVICE**
[54] **DISPOSITIF D'IRRADIATION DE LUMIERE**
[72] SHIIBASHI, TADASHI, JP
[72] ITO, TOMOYUKI, JP
[71] METRAS, INC., JP
[85] 2017-10-20
[86] 2016-04-20 (PCT/JP2016/062531)
[87] (WO2016/175102)
[30] JP (2015-089953) 2015-04-27
[30] JP (2015-252512) 2015-12-24

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[21] **2,983,574**
[13] A1

[51] **Int.Cl. G01B 11/14 (2006.01)**
[25] EN
[54] **INITIALIZING AN INERTIAL SENSOR USING SOFT CONSTRAINTS AND PENALTY FUNCTIONS**
[54] **INITIALISATION DE CAPTEUR INERTIEL A L'AIDE DE CONTRAINTES DOUCES ET DE FONCTIONS DE PENALITE**
[72] GOREE, JOHN, US
[72] BOSE, BHASKAR, US
[72] GUPTA, PIYUSH, US
[71] BLAST MOTION, INC., US
[85] 2017-10-20
[86] 2015-04-21 (PCT/US2015/026917)
[87] (WO2015/164403)
[30] US (14/258,291) 2014-04-22

[21] **2,983,575**
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) A61K 35/15 (2015.01) A61K 35/17 (2015.01) A61K 31/7088 (2006.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **IMMUNITY-INDUCING AGENT**
[54] **AGENT INDUCTEUR DE L'IMMUNITE**
[72] KURIHARA, AKIRA, JP
[72] OKANO, FUMIYOSHI, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2017-10-20
[86] 2016-04-28 (PCT/JP2016/063436)
[87] (WO2016/175309)
[30] JP (2015-093354) 2015-04-30

[21] **2,983,576**
[13] A1

[51] **Int.Cl. B21D 5/01 (2006.01) B21D 22/26 (2006.01)**
[25] EN
[54] **PRESS-FORMING APPARATUS AND PRESS-FORMING METHOD**
[54] **DISPOSITIF DE MOULAGE PAR PRESSAGE ET PROCEDE DE MOULAGE PAR PRESSAGE**
[72] OGAWA, MISAO, JP
[72] ITOH, MASARU, JP
[72] SUZUKI, TOSHIYA, JP
[72] TANOUÉ, HIROYUKI, JP
[72] TANAKA, YASUHARU, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2017-10-20
[86] 2016-05-11 (PCT/JP2016/063976)
[87] (WO2016/181986)
[30] JP (2015-096908) 2015-05-11

[21] **2,983,577**
[13] A1

[51] **Int.Cl. G01B 11/24 (2006.01)**
[25] EN
[54] **SHAPE INSPECTION METHOD, SHAPE INSPECTION APPARATUS, AND PROGRAM**
[54] **PROCEDE ET DISPOSITIF D'INSPECTION DE FORME, ET PROGRAMME**
[72] HIBI, ATSUHIRO, JP
[72] KONNO, YUSUKE, JP
[72] FURUYA, NOBUHIRO, JP
[72] KUROIWA, TOMOHIRO, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2017-10-20
[86] 2016-05-13 (PCT/JP2016/064266)
[87] (WO2016/182055)
[30] JP (2015-098031) 2015-05-13

[21] **2,983,578**
[13] A1

[51] **Int.Cl. H04L 7/00 (2006.01) H03H 17/02 (2006.01) H03H 17/06 (2006.01)**
[25] EN
[54] **DATA PHASE TRACKING DEVICE, DATA PHASE TRACKING METHOD AND COMMUNICATION DEVICE**
[54] **DISPOSITIF DE SUIVI DE PHASE DE DONNEES, PROCEDE DE SUIVI DE PHASE DE DONNEES ET DISPOSITIF DE COMMUNICATION**
[72] ONUMA, YASUHARU, JP
[72] TACHIBANA, MASAHIRO, JP
[72] YAMAZAKI, ETSUSHI, JP
[72] TAKEI, KAZUHITO, JP
[72] YOSHIDA, YUKI, JP
[72] IKEDA, MASAYUKI, JP
[72] KISAKA, YOSHIKI, JP
[72] TOMIZAWA, MASAHIRO, JP
[71] NTT ELECTRONICS CORPORATION, JP
[71] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP
[85] 2017-10-20
[86] 2017-01-16 (PCT/JP2017/001196)
[87] (WO2017/154351)
[30] JP (2016-044105) 2016-03-08

[21] **2,983,579**
[13] A1

[51] **Int.Cl. F16L 23/18 (2006.01) F16L 23/16 (2006.01)**
[25] EN
[54] **SEALING SYSTEM HAVING INTERLOCKING INNER DIAMETER SEAL ELEMENT TO RESIST PRESSURE CHANGES**
[54] **SYSTEME D'ETANCHEITE AYANT UN ELEMENT DE JOINT D'ETANCHEITE DE DIAMETRE INTERNE A VERROUILLAGE MUTUEL POUR RESISTER A DES CHANGEMENTS DE PRESSION**
[72] BANDER, NICHOLAS, US
[72] ROBERTSON, PATRICK, US
[72] WITTEKIND, DAVID, US
[72] TANNER, T. SCOTT, US
[71] GARLOCK PIPELINE TECHNOLOGIES, INC., US
[85] 2017-10-20
[86] 2015-04-23 (PCT/US2015/027381)
[87] (WO2016/171704)

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[21] **2,983,580**
[13] A1

[51] **Int.Cl. G09F 9/30 (2006.01) G09G 5/00 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR PROVIDING CONTENT BY USING DIGITAL SIGNAGE, AND NONTRANSITORY COMPUTER-READABLE RECORDING MEDIUM**

[54] **PROCEDE ET SYSTEME DE FOURNITURE DE CONTENU UTILISANT UNE SIGNALISATION NUMERIQUE, ET SUPPORT D'ENREGISTREMENT NON TRANSITOIRE LISIBLE PAR ORDINATEUR**

[72] KIM, JEUNG HO, KR
[71] KNOWCK CO., LTD., KR
[85] 2017-10-20
[86] 2015-11-30 (PCT/KR2015/012924)
[87] (WO2016/171360)
[30] KR (10-2015-0056504) 2015-04-22

[21] **2,983,582**
[13] A1

[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/372 (2006.01) A61N 1/378 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR MULTIMODAL ELECTRICAL MODULATION OF PAIN**

[54] **PROCEDE ET APPAREIL DESTINES A UNE MODULATION ELECTRIQUE MULTIMODALE DE LA DOULEUR**

[72] VALLEJO, RICARDO, US
[72] CEDENO, DAVID LEONARDO, US
[72] BENYAMIN, RASMIN M., US
[71] VALLEJO, RICARDO, US
[71] CEDENO, DAVID LEONARDO, US
[71] BENYAMIN, RASMIN M., US
[85] 2017-10-20
[86] 2016-03-21 (PCT/US2016/023365)
[87] (WO2016/154091)
[30] US (62/135,999) 2015-03-20
[30] US (62/196,030) 2015-07-23

[21] **2,983,585**
[13] A1

[51] **Int.Cl. H04L 12/44 (2006.01) H04B 10/29 (2013.01)**

[25] EN

[54] **OPTICAL SIGNAL REPEATER, OPTICAL COMMUNICATION SYSTEM, AND METHOD OF SWITCHING PORT IN OPTICAL SIGNAL REPEATER**

[54] **DISPOSITIF DE RELAIS DE SIGNAL OPTIQUE, SYSTEME DE COMMUNICATION OPTIQUE, ET PROCEDE DE COMMUTATION DE PORT DU DISPOSITIF DE RELAIS DE SIGNAL OPTIQUE**

[72] KIZAKI, NAOYA, JP
[72] YUDA, SHUITSU, JP
[72] GOTO, SHINYA, JP
[71] SUMITOMO ELECTRIC INDUSTRIES, LTD., JP
[85] 2017-10-20
[86] 2016-03-18 (PCT/JP2016/058754)
[87] (WO2017/158830)

[21] **2,983,581**
[13] A1

[51] **Int.Cl. B65H 3/08 (2006.01) B65G 59/10 (2006.01) B65H 5/14 (2006.01)**

[25] EN

[54] **APPARATUS FOR UNSTACKING PACKAGING UNITS**

[54] **APPAREIL POUR DESEMPILER DES UNITES D'EMBALLAGE**

[72] KNOOK, ARIE JAN THEODORUS, NL
[71] MOBA GROUP B.V., NL
[85] 2017-10-20
[86] 2016-04-25 (PCT/NL2016/050289)
[87] (WO2016/171561)
[30] EP (15001229.2) 2015-04-24

[21] **2,983,583**
[13] A1

[51] **Int.Cl. C25C 3/08 (2006.01) C22B 21/00 (2006.01)**

[25] EN

[54] **ALUMINUM REDUCTION CELL ELECTRODE (VARIANTS)**

[54] **ELECTRODE POUR ELECTROLYSEUR D'ALUMINIUM (ET VARIANTES)**

[72] SIMAKOV, DMITRIY ALEKSANDROVICH, RU
[72] GUSEV, ALEKSANDR OLEGOVICH, RU
[71] OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR", RU
[85] 2017-10-20
[86] 2015-04-23 (PCT/RU2015/000264)
[87] (WO2016/171580)

[21] **2,983,586**
[13] A1

[51] **Int.Cl. B65D 83/08 (2006.01) B65D 5/72 (2006.01)**

[25] EN

[54] **GLOVE DISPENSING ASSEMBLY**

[54] **ENSEMBLE DE DISTRIBUTION DE GANTS**

[72] MODHA, SHANTILAL HIRJIBHAI, US
[72] SAELIM, TANTIMA, US
[71] AVENT, INC., US
[85] 2017-10-20
[86] 2016-04-07 (PCT/US2016/026364)
[87] (WO2016/176016)
[30] US (62/155,238) 2015-04-30

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[21] **2,983,587**
[13] A1

[51] **Int.Cl. B65D 83/08 (2006.01) B31B 50/26 (2017.01) B31B 50/60 (2017.01) B65D 5/72 (2006.01)**

[25] EN

[54] **GLOVE DISPENSING ASSEMBLY**

[54] **ENSEMBLE DE DISTRIBUTION DE GANTS**

[72] MODHA, SHANTILAL HIRJIBHAI, US

[72] SAELIM, TANTIMA, US

[72] LIEN, KHOA TUAN, US

[71] AVENT, INC., US

[85] 2017-10-20

[86] 2016-04-07 (PCT/US2016/026365)

[87] (WO2016/176017)

[30] US (62/155,238) 2015-04-30

[30] US (62/251,359) 2015-11-05

[21] **2,983,591**
[13] A1

[51] **Int.Cl. B65D 83/08 (2006.01) B31B 50/26 (2017.01) B65D 5/72 (2006.01)**

[25] EN

[54] **GLOVE DISPENSING ASSEMBLY**

[54] **ENSEMBLE DE DISTRIBUTION DE GANT**

[72] MODHA, SHANTILAL HIRJIBHAI, US

[72] SAELIM, TANTIMA, US

[72] LIEN, KHOA TUAN, US

[71] AVENT, INC., US

[85] 2017-10-20

[86] 2016-04-07 (PCT/US2016/026367)

[87] (WO2016/176018)

[30] US (62/155,238) 2015-04-30

[30] US (62/251,371) 2015-11-05

[21] **2,983,594**
[13] A1

[51] **Int.Cl. A61J 3/00 (2006.01)**

[25] EN

[54] **COMPOUNDING DEVICE, SYSTEM, KIT, SOFTWARE AND METHOD**

[54] **DISPOSITIF, SYSTEME, KIT, LOGICIEL ET PROCEDE DE MELANGEAGE**

[72] BROWN, MICHAEL Y., US

[72] LANE, BENJAMIN R., US

[72] MUMPOWER, MARIANO, US

[71] B. BRAUN MEDICAL INC., US

[85] 2017-10-20

[86] 2016-05-19 (PCT/US2016/033318)

[87] (WO2016/191210)

[30] US (14/719,936) 2015-05-22

[21] **2,983,588**
[13] A1

[51] **Int.Cl. E01H 5/09 (2006.01)**

[25] EN

[54] **MULTIPLE-STAGE SNOW THROWER**

[54] **SOUFFLEUSE A NEIGE A ETAGES MULTIPLES**

[72] EAVENSON, JIMMY N., SR., US

[72] SCHAEGLER, AXEL, US

[71] MTD PRODUCTS INC., US

[85] 2017-10-20

[86] 2016-05-18 (PCT/US2016/033066)

[87] (WO2016/187292)

[30] US (62/164,655) 2015-05-21

[21] **2,983,592**
[13] A1

[51] **Int.Cl. C07D 307/00 (2006.01) C07D 307/56 (2006.01) C07D 307/60 (2006.01)**

[25] EN

[54] **METHODS FOR HYDRAULIC ENHANCEMENT OF CROPS**

[54] **PROCEDES DE STIMULATION HYDRAULIQUE DES CULTURES**

[72] BAYER, TRAVIS SCOTT, US

[72] DAVIDSON, ERIC ALAN, US

[72] HLEBA, YONEK, US

[71] ASILOMAR BIO, INC., US

[85] 2017-10-20

[86] 2016-04-23 (PCT/US2016/029080)

[87] (WO2016/172655)

[30] US (62/152,100) 2015-04-24

[30] US (62/152,555) 2015-04-24

[21] **2,983,595**
[13] A1

[51] **Int.Cl. A01D 34/73 (2006.01) A01D 34/82 (2006.01)**

[25] EN

[54] **SELF-CLEANING MOWER BLADE ASSEMBLY**

[54] **ENSEMBLE LAME DE TONDEUSE A AUTO-NETTOYAGE**

[72] SCHAEGLER, AXEL, US

[71] MTD PRODUCTS INC., US

[85] 2017-10-20

[86] 2016-05-27 (PCT/US2016/034531)

[87] (WO2016/191636)

[30] US (62/167,043) 2015-05-27

[21] **2,983,589**
[13] A1

[51] **Int.Cl. A61M 5/315 (2006.01) A61B 5/153 (2006.01) A61M 5/178 (2006.01)**

[25] EN

[54] **SYRINGE WITH ROLLING DIAPHRAGM**

[54] **SERINGUE AVEC DIAPHRAGME ROULANT**

[72] BERRY, DAVID H., US

[72] GIBLER, MARTIN J., US

[72] KRUPP, BENJAMIN T., US

[72] DELBRUGGE, VINCE, US

[72] COWAN, KEVIN P., US

[72] SPOHN, MICHAEL, US

[71] BAYER HEALTHCARE LLC, US

[85] 2017-10-20

[86] 2016-04-22 (PCT/US2016/028824)

[87] (WO2016/172467)

[30] US (62/152,511) 2015-04-24

[30] US (62/257,053) 2015-11-18

[21] **2,983,593**
[13] A1

[51] **Int.Cl. A61K 35/76 (2015.01) A61K 39/23 (2006.01) C12N 7/01 (2006.01) C12N 15/864 (2006.01)**

[25] EN

[54] **NUCLEIC ACID MOLECULES CONTAINING SPACERS AND METHODS OF USE THEREOF**

[54] **MOLECULES D'ACIDE NUCLEIQUE CONTENANT DES ESPACEURS ET LEURS PROCEDES D'UTILISATION**

[72] GRAY, JOHN T., US

[71] ST. JUDE CHILDREN'S RESEARCH HOSPITAL, INC., US

[85] 2017-10-20

[86] 2016-05-13 (PCT/US2016/032321)

[87] (WO2016/183422)

[30] US (62/161,505) 2015-05-14

[21] **2,983,596**
[13] A1

[51] **Int.Cl. A01B 45/00 (2006.01)**

[25] EN

[54] **SOD POSITIONING MACHINE**

[54] **MACHINE DE POSITIONNEMENT DE GAZON**

[72] CARLSON, PAUL, US

[71] SIDEKICK USA, LLC, US

[85] 2017-10-20

[86] 2016-04-24 (PCT/US2016/029088)

[87] (WO2016/172662)

[30] US (14/695,406) 2015-04-24

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[51] Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/30 (2006.01)	[51] Int.Cl. C09K 5/04 (2006.01)	[51] Int.Cl. H01M 4/1393 (2010.01) H01J 17/49 (2012.01) H01J 63/04 (2006.01)
[25] EN	[25] EN	[25] EN
[54] COMBINING ANTI-HLA-DR OR ANTI-TROP-2 ANTIBODIES WITH MICROTUBULE INHIBITORS, PARP INHIBITORS, BRUTON KINASE INHIBITORS OR PHOSPHOINOSITIDE 3-KINASE INHIBITORS SIGNIFICANTLY IMPROVES THERAPEUTIC OUTCOME IN CANCER	[54] COMPOSITIONS COMPRISING 1,1,2,2-TETRAFLUOROETHANE AND USES THEREOF	[54] VERTICALLY ALIGNED CARBON NANOTUBE ARRAYS AS ELECTRODES
[54] COMBINAISON D'ANTICORPS ANTI-HLA-DR OU ANTI-TROP-2 AVEC DES INHIBITEURS DE MICROTUBULE, DES INHIBITEURS DE PARP, DES INHIBITEURS DE KINASE DE BRUTON OU DES INHIBITEURS DE PHOSPHOINOSITIDE 3-KINASE AMELIORANT CONSIDERABLEMENT UN RESULTAT THERAPEUTIQUE DE CANCER	[54] COMPOSITIONS COMPRENANT DU 1,1,2,2-TETRAFLUORETHANE ET LEURS UTILISATIONS	[54] RESEAUX DE NANOTUBES DE CARBONE ALIGNES VERTICALEMENT UTILISES EN TANT QU'ELECTRODES
[72] GOLDENBERG, DAVID M., US	[72] KONTOMARIS, KONSTANTINOS, US	[72] TOUR, JAMES M., US
[72] CARDILLO, THOMAS M., US	[72] NAPPA, MARIO JOSEPH, US	[72] RAJI, ABDUL-RAHMAN O., US
[71] IMMUNOMEDICS, INC., US	[72] SPOORMAKER, TOM (DECEASED), NL	[72] SALVATIERRA, RODRIGO V., US
[85] 2017-10-20	[72] KRAUSE, KARL R., US	[71] WILLIAM MARSH RICE UNIVERSITY, US
[86] 2016-06-23 (PCT/US2016/038986)	[72] SISK, MICHAEL A., US	[85] 2017-10-20
[87] (WO2016/210108)	[71] THE CHEMOURS COMPANY FC, LLC, US	[86] 2016-04-25 (PCT/US2016/029184)
[30] US (62/184,331) 2015-06-25	[85] 2017-10-20	[87] (WO2017/011052)
[30] US (62/201,361) 2015-08-05	[86] 2016-04-25 (PCT/US2016/029104)	[30] US (62/151,941) 2015-04-23
[30] US (62/250,715) 2015-11-04	[87] (WO2016/178841)	
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	[54] ANTIBODY-SN-38 IMMUNOCONJUGATES WITH A CL2A LINKER	[54] ESTABLISHMENT OF CONTAMINANT DEGRADATION RATES IN SOILS USING TEMPERATURE GRADIENTS, ASSOCIATED METHODS, SYSTEMS AND DEVICES
	[54] IMMUNOCONJUGUES D'ANTICORPS SN-38 AVEC UN LIEUR CL2A	[54] ETABLISSEMENT DE TAUX DE DEGRADATION DE CONTAMINANTS DANS DES SOLS EN UTILISANT DES GRADIENTS DE TEMPERATURE, ET PROCEDES, SYSTEMES ET DISPOSITIFS ASSOCIES
	[72] GOVINDAN, SERENGULAM V., US	[72] ZIMBRON, JULIO, US
	[72] GALE, JONATHAN B., US	[71] E-FLUX, LLC, US
	[72] HOLMAN, NICHOLAS J., US	[85] 2017-10-20
	[72] GOLDENBERG, DAVID M., US	[86] 2016-04-25 (PCT/US2016/029225)
	[71] IMMUNOMEDICS, INC., US	[87] (WO2016/172714)
	[85] 2017-10-20	[30] US (62/151,564) 2015-04-23
	[86] 2016-06-29 (PCT/US2016/040002)	
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[51] **Int.Cl. G10H 3/18 (2006.01) G10D 1/08 (2006.01)**
[25] EN
[54] **ELECTRIC STRINGED INSTRUMENTS**
[54] **INSTRUMENTS ELECTRIQUES A CORDES**
[72] MCAULD, DAVID, AU
[71] FUSION MUSICTECH IP PTY LTD, AU
[85] 2017-10-23
[86] 2016-04-22 (PCT/AU2016/000139)
[87] (WO2016/168887)
[30] AU (2015901461) 2015-04-23

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[54] **ROTARY AIDED CONJUNCTIVE ENERGY SYSTEM**
[54] **SYSTEME D'ENERGIE CONJONCTIVE ASSISTEE PAR ROTATION**
[72] LOMERSON, ROBERT B., US
[71] LOMERSON, ROBERT B., US
[85] 2017-10-20
[86] 2016-04-25 (PCT/US2016/029255)
[87] (WO2016/172728)
[30] US (62/151,827) 2015-04-23

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[54] **RECIPROCATING CUTTING BLADE WITH CLADDING**
[54] **LAME DE COUPE A MOUVEMENT DE VA-ET-VIENT DOTE E D'UN PLACAGE**
[72] STOFFEL, NEAL J., US
[72] JOHNSON, KEITH A., US
[71] KONDEX CORPORATION, US
[85] 2017-10-20
[86] 2016-04-18 (PCT/US2016/028105)
[87] (WO2016/172043)
[30] US (62/152,288) 2015-04-24
[30] US (15/057,740) 2016-03-01

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[51] **Int.Cl. H01M 4/139 (2010.01) H01M 4/1391 (2010.01) H01M 4/1393 (2010.01)**
[25] EN
[54] **METHOD FOR PREPARING NEGATIVE ELECTRODE MATERIAL OF LITHIUM-ION BATTERY BY USING BIOMASS GASIFICATION FURNACE FILTER RESIDUE**
[54] **PROCEDE DE PREPARATION DE MATERIAU D'ELECTRODE NEGATIVE DE BATTERIE AU LITHIUM-ION A L'AIDE DE RESIDU DE FILTRE DE FOUR DE GAZEIFICATION DE BIOMASSE**
[72] ZHOU, HUANHUAN, CN
[72] CHENG, YUTING, CN
[71] WUHAN KAIDI ENGINEERING TECHNOLOGY RESEARCH INSTITUTE CO., LTD., CN
[85] 2017-10-23
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[30] CN (201510190215.9) 2015-04-21

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[25] EN
[54] **VEHICLE THAT IS CONVERTIBLE TO MULTIPLE CONFIGURATIONS**
[54] **VEHICULE CONVERTIBLE EN CONFIGURATIONS MULTIPLES**
[72] O CONNELL, THOMAS, IE
[72] GOLIAS, MATTHEW ERNEST, AU
[71] YVOLVE SPORTS LTD., IE
[85] 2017-10-23
[86] 2015-10-07 (PCT/EP2015/073177)
[87] (WO2016/055538)
[30] US (62/061,047) 2014-10-07
[30] CN (201410573748.0) 2014-10-23

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[25] EN
[54] **COMPOSITIONS OF OBETICHOLIC ACID AND METHODS OF USE**
[54] **COMPOSITIONS D'ACIDE OBETICHO LIQUE ET PROCEDES D'UTILISATION**
[72] LANCASTER, RICHARD G., US
[72] OLMSTEAD, KAY K., US
[72] KAGIHIRO, MASASHI, JP
[72] TAOKA, IKUKO, JP
[72] MATONO, MITSUHIRO, JP
[72] PRUZANSKI, MARK, US
[72] SHAPIRO, DAVID, US
[72] HOOSHMAND-RAD, ROYA, US
[72] PENCEK, RICHARD, US
[72] SCIACCA, CATHI, US
[72] ELIOT, LISE, US
[72] EDWARDS, JEFFREY, US
[72] MACCONELL, LEIGH A., US
[72] MARMON, TONYA K., US
[71] INTERCEPT PHARMACEUTICALS, INC., US
[71] SUMITOMO DAINIPPON PHARMA CO., LTD., JP
[85] 2017-10-20
[86] 2016-04-26 (PCT/US2016/029369)
[87] (WO2016/176208)
[30] US (62/153,040) 2015-04-27
[30] US (62/317,933) 2016-04-04

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[13] A1

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[25] EN
[54] **GLOVE DISPENSING ASSEMBLY**
[54] **ENSEMBLE DISTRIBUTEUR DE GANTS**
[72] MODHA, SHANTILAL HIRJIBHAI, US
[72] SAELIM, TANTIMA, US
[72] LIEN, KHOA TUAN, US
[71] AVENT, INC., US
[85] 2017-10-20
[86] 2016-04-07 (PCT/US2016/026371)
[87] (WO2016/176019)
[30] US (62/155,238) 2015-04-30
[30] US (62/251,387) 2015-11-05

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[13] A1

[51] **Int.Cl. A61B 17/12 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **MEDICAL IMPLANT FOR CLOSURE OF A DEFECT APERTURE, A VESSEL, AN ORGAN PATH OR ANOTHER APERTURE IN A HUMAN OR ANIMAL BODY**
[54] **IMPLANT MEDICAL POUR LA FERMETURE D'UNE OUVERTURE DEFECTUEUSE, D'UN VAISSEAU, D'UN CONDUIT D'ORGANE OU D'UNE AUTRE OUVERTURE DANS UN CORPS HUMAIN OU ANIMAL**
[72] SCHAFFER, JOACHIM, DE
[71] PFM MEDICAL AG, DE
[85] 2017-10-23
[86] 2016-02-19 (PCT/EP2016/053547)
[87] (WO2016/169671)
[30] DE (20 2015 102 060.0) 2015-04-24

[21] **2,983,613**
[13] A1

[51] **Int.Cl. A43B 11/00 (2006.01) A61B 5/00 (2006.01) A61F 5/00 (2006.01) A61F 5/01 (2006.01) A61F 5/02 (2006.01) A61F 5/052 (2006.01)**
[25] EN
[54] **SENSOR AND FEEDBACK PLATFORM FOR USE IN ORTHOTIC AND PROSTHETIC DEVICES**
[54] **CAPTEUR ET PLATE-FORME DE RETROACTION POUR UNE UTILISATION DANS DES DISPOSITIFS D'ORTHESE ET DE PROTHESE**
[72] DELUKE, LEVI, US
[72] SU, ELLEN, US
[72] MONZON, SEBASTIAN, US
[71] WELLINKS, INC., US
[85] 2017-10-20
[86] 2016-04-29 (PCT/US2016/030005)
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[30] US (62/154,393) 2015-04-29
[30] US (62/272,141) 2015-12-29

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[51] **Int.Cl. B02C 7/12 (2006.01)**
[25] EN
[54] **TREATMENT FITTING FOR THE TREATMENT OF AQUEOUSLY SUSPENDED FIBROUS MATERIAL**
[54] **MONTURE DE TRAITEMENT POUR LE TRAITEMENT D'UNE MATIERE FIBREUSE EN SUSPENSION AQUEUSE**
[72] SCHMID, MARTIN, DE
[72] HECHT, JUTTA, DE
[71] VOITH PATENT GMBH, DE
[85] 2017-10-23
[86] 2016-02-22 (PCT/EP2016/053640)
[87] (WO2016/169672)
[30] DE (102015207536.2) 2015-04-24

[21] **2,983,615**
[13] A1

[51] **Int.Cl. A61M 39/16 (2006.01) A61M 39/20 (2006.01)**
[25] EN
[54] **A THREADED CONNECTOR PORT CLEANING SYSTEM, METHOD, AND APPARATUS**
[54] **SYSTEME, PROCEDE ET APPAREIL DE NETTOYAGE D'ORIFICE DE RACCORD FILETE**
[72] NORDQUIST, JEFFREY S., US
[72] KOELPER, CRYSTAL, US
[72] PURNELL, SHAWN, US
[72] MCVEY, ROBERT, US
[71] CORPAK MEDSYSTEMS, INC., US
[85] 2017-10-20
[86] 2016-05-05 (PCT/US2016/030942)
[87] (WO2016/179368)
[30] US (62/157,223) 2015-05-05

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[13] A1

[51] **Int.Cl. B63B 35/00 (2006.01) F03D 13/25 (2016.01) B63B 22/20 (2006.01) B63B 39/03 (2006.01) B63B 43/06 (2006.01)**
[25] EN
[54] **HULL FOR A FLOATING WIND TURBINE PLATFORM**
[54] **COQUE POUR PLATE-FORME DE TURBINE EOLIENNE FLOTTANTE**
[72] DAGHER, HABIB J., US
[72] VISELLI, ANTHONY M., US
[72] DWYER, MARK, US
[71] UNIVERSITY OF MAINE SYSTEM BOARD OF TRUSTEES, US
[85] 2017-10-20
[86] 2016-04-20 (PCT/US2016/028358)
[87] (WO2016/172149)
[30] US (62/149,947) 2015-04-20

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[13] A1

[51] **Int.Cl. G06Q 20/10 (2012.01) G06Q 20/20 (2012.01) G06Q 20/34 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR TRANSFERRING FUNDS DATA**
[54] **PROCEDE ET SYSTEME POUR TRANSFERER DES DONNEES DE FONDS**
[72] DERMOSESSIAN, GARO, CA
[72] DERMOSESSIAN, RAPHAEL, CA
[72] DERMOSESSIAN, ALEX, CA
[71] PLEMICOR HOLDINGS CANADA INC., CA
[85] 2017-10-23
[86] 2015-04-22 (PCT/CA2015/000266)
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[30] US (61/982,391) 2014-04-22
[30] US (14/308,089) 2014-06-18

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[25] EN	[25] EN	[25] EN
[54] METHOD AND TEST KIT FOR RAPID ISOLATION OF NUCLEIC ACIDS USING ROUGH SURFACES	[54] METHODS, DEVICES, KITS AND SYSTEMS FOR MODULATING ACTIVATION OF SELF-ALARMING TAGS	[54] DEVICE AND METHOD FOR EXTRACTION OF NUCLEIC ACIDS
[54] PROCEDE ET KIT D'ESSAI POUR L'ISOLATION RAPIDE D'ACIDES NUCLEIQUES AU MOYEN DE SURFACES RUGUEUSES	[54] PROCEDES, DISPOSITIFS, NECESSAIRES ET SYSTEMES DE MODULATION D'ACTIVATION D'ETIQUETTES A ALARME AUTOMATIQUE	[54] PROCEDE ET DISPOSITIF D'EXTRACTION D'ACIDES NUCLEIQUES
[72] HILLEBRAND, TIMO, DE	[72] SALVO, GIOVANNI, CA	[72] HILLEBRAND, TIMO, DE
[72] STROH, THORSTEN, DE	[71] SALVO, GIOVANNI, CA	[72] STROH, THORSTEN, DE
[71] AJ INNUSCREEN GMBH, DE	[85] 2017-10-23	[71] AJ INNUSCREEN GMBH, DE
[85] 2017-10-23	[86] 2015-04-23 (PCT/CA2015/000267)	[85] 2017-10-23
[86] 2016-02-26 (PCT/EP2016/054178)	[87] (WO2015/161359)	[86] 2016-02-26 (PCT/EP2016/054179)
[87] (WO2016/169677)	[30] US (61/983,383) 2014-04-23	[87] (WO2016/169678)
[30] DE (10 2015 207 481.1) 2015-04-23		[30] DE (10 2015 207 481.1) 2015-04-23
[30] DE (10 2015 211 393.0) 2015-06-19		[30] DE (10 2015 211 393.0) 2015-06-19
[30] DE (10 2015 211 394.0) 2015-06-19		[30] DE (10 2015 211 394.0) 2015-06-19
[21] 2,983,620 [13] A1	[21] 2,983,622 [13] A1	[21] 2,983,624 [13] A1
[51] Int.Cl. C07K 14/24 (2006.01) C12N 15/55 (2006.01) C12P 37/02 (2006.01)	[51] Int.Cl. A01N 1/02 (2006.01) B65D 81/38 (2006.01)	[51] Int.Cl. E21B 43/22 (2006.01) E21B 43/24 (2006.01)
[25] EN	[25] EN	[25] EN
[54] PENICILLIN-G ACYLASES	[54] MEDICAL SAMPLE TRANSPORTATION CONTAINER	[54] METHODS FOR MICROBIALLY ENHANCED RECOVERY OF HYDROCARBONS
[54] PENICILLINE G ACYLASES	[54] RECIPIENT DE TRANSPORT D'ECHANTILLON MEDICAL	[54] PROCEDES POUR LA RECUPERATION D'HYDROCARBURES AMELIOREE PAR VOIE MICROBIENNE
[72] BANERJEE, GOUTAMI, US	[72] JARVIUS, JONAS, SE	[72] VOORDOUW, GERRIT, CA
[72] YANG, JIE, US	[72] LIND, ANDERS, SE	[72] GASSARA, FATMA, CA
[72] ZHANG, XIYUN, US	[72] SODERSTROM, HENRIK, SE	[72] AGRAWAL, AKHIL, IN
[72] MILCZEK, ERIKA M., US	[72] GRAWE, JAN, SE	[71] UTI LIMITED PARTNERSHIP, CA
[72] MAYO, MELISSA ANN, US	[72] FITZPATRICK, IAN, AU	[85] 2017-10-23
[72] JENNE, STEPHAN, US	[72] BARTHOLDI, JURG, US	[86] 2016-04-22 (PCT/CA2016/050468)
[71] CODEXIS, INC., US	[71] Q-LINEA AB, SE	[87] (WO2016/168937)
[85] 2017-10-20	[85] 2017-10-23	[30] IN (1645/MUM/2015) 2015-04-23
[86] 2016-05-06 (PCT/US2016/031132)	[86] 2016-04-21 (PCT/EP2016/058952)	[30] US (62/173,459) 2015-06-10
[87] (WO2016/179464)	[87] (WO2016/170086)	
[30] US (62/158,118) 2015-05-07	[30] GB (1507026.1) 2015-04-24	

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[13] A1

[51] **Int.Cl. C12N 15/10 (2006.01) B01L 3/00 (2006.01) B01L 3/02 (2006.01) G01N 1/40 (2006.01)**

[25] EN

[54] **DEVICE AND PROCESS FOR AUTOMATED EXTRACTION OF NUCLEIC ACIDS**

[54] **DISPOSITIF ET PROCEDE PERMETTANT L'EXTRACTION AUTOMATISEE D'ACIDES NUCLEIQUES**

[72] HILLEBRAND, TIMO, DE
[72] STROH, THORSTEN, DE
[71] AJ INNUSCREEN GMBH, DE
[85] 2017-10-23
[86] 2016-02-26 (PCT/EP2016/054180)
[87] (WO2016/169679)
[30] DE (10 2015 207 481.1) 2015-04-23
[30] DE (10 2015 211 393.0) 2015-06-19
[30] DE (10 2015 211 394.0) 2015-06-19

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[13] A1

[51] **Int.Cl. B04B 1/08 (2006.01) B04B 1/10 (2006.01) B04B 11/02 (2006.01) B04B 13/00 (2006.01)**

[25] EN

[54] **CENTRIFUGAL SEPARATOR AND THERETO RELATED METHODS**

[54] **SEPARATEUR CENTRIFUGE ET PROCEDES ASSOCIES**

[72] BORGSTROM, LEONARD, SE
[72] THORWID, PETER, SE
[71] ALFA LAVAL CORPORATE AB, SE
[85] 2017-10-23
[86] 2016-04-22 (PCT/EP2016/058962)
[87] (WO2016/170091)
[30] EP (15165031.4) 2015-04-24

[21] **2,983,630**
[13] A1

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

[25] EN

[54] **STORAGE AND RETRIEVAL SYSTEM**

[54] **SYSTEME DE STOCKAGE ET DE RECUPERATION**

[72] GRAVELLE, SCOTT, CA
[72] COWLEY, ROBERT GUY, CA
[72] WOOLF, ANTHONY BRIAN, CA
[71] ATTABOTICS INC., CA
[85] 2017-10-23
[86] 2016-04-26 (PCT/CA2016/050484)
[87] (WO2016/172793)
[30] US (62/153,189) 2015-04-27

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[13] A1

[51] **Int.Cl. F16J 15/40 (2006.01) F16C 33/80 (2006.01) F16J 15/447 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD TO REDUCE THE LOSS OF LUBRICANT AT BEARINGS**

[54] **DISPOSITIF ET PROCEDE PERMETTANT DE REDUIRE DES FUITES DE LUBRIFIANT AU NIVEAU DE PALIERS**

[72] CONTRERAS ESPADA, JESUS, CH
[72] OKAI, RICARDO-NAOKI, CH
[72] SCHOFER, SVEN, CH
[72] NEFF, UELI, CH
[71] ANDRITZ HYDRO GMBH, AT
[85] 2017-10-23
[86] 2016-04-13 (PCT/EP2016/058111)
[87] (WO2016/173842)
[30] AT (A50340/2015) 2015-04-27

[21] **2,983,632**
[13] A1

[51] **Int.Cl. B65D 5/52 (2006.01) B31B 50/60 (2017.01) B31B 50/74 (2017.01) B65D 5/32 (2006.01) B65D 5/54 (2006.01)**

[25] EN

[54] **DISPLAY-READY RETAIL CASE WITH DIVIDE**

[54] **BOITIER DE VENTE AU DETAIL PRET A ETRE EXPOSE AVEC PARTAGE**

[72] KEEDER, KAREN, US
[71] KELLOGG COMPANY, US
[85] 2017-10-20
[86] 2016-05-10 (PCT/US2016/031641)
[87] (WO2016/183077)
[30] US (62/159,604) 2015-05-11

[21] **2,983,634**
[13] A1

[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/48 (2006.01) A61K 31/167 (2006.01) A61K 31/485 (2006.01)**

[25] EN

[54] **TAMPER-RESISTANT FIXED DOSE COMBINATION PROVIDING FAST RELEASE OF TWO DRUGS FROM PARTICLES**

[54] **COMBINAISON INVOLABLE DE DOSES FIXES PERMETTANT LA LIBERATION RAPIDE DE DEUX MEDICAMENTS A PARTIR DE PARTICULES**

[72] WENING, KLAUS, DE
[72] BARNSCHEID, LUTZ, DE
[72] GEISLER, ANJA, DE
[72] DENKER, JANA, DE
[72] REDMER, JESSICA, DE
[71] GRUNENTHAL GMBH, DE
[85] 2017-10-23
[86] 2016-04-22 (PCT/EP2016/058978)
[87] (WO2016/170094)
[30] EP (15165069.4) 2015-04-24

[21] **2,983,636**
[13] A1

[51] **Int.Cl. C07K 14/195 (2006.01) C07K 14/405 (2006.01) C12N 1/20 (2006.01)**

[25] EN

[54] **MICROORGANISMS WITH INCREASED PHOTOSYNTHETIC CAPACITY**

[54] **MICROORGANISMES A CAPACITE PHOTOSYNTHETIQUE ACCRUE**

[72] ROBERTS, JAMES, US
[72] CARRIERI, DAMIAN, US
[72] HEINNICKEL, MARK, US
[71] MATRIX GENETICS, LLC, US
[85] 2017-10-20
[86] 2016-04-22 (PCT/US2016/028785)
[87] (WO2016/172438)
[30] US (62/152,506) 2015-04-24

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[13] A1

[51] **Int.Cl. E04B 9/20 (2006.01) E04B 9/36 (2006.01) F16G 11/04 (2006.01)**

[25] EN

[54] **MOUNTING APPARATUS FOR SUSPENDED CEILING SYSTEM**

[54] **APPAREIL DE MONTAGE POUR SYSTEME DE PLAFOND SUSPENDU**

[72] VAN DORE, JONATHAN P., US

[72] HANUSCHAK, RYAN D., US

[71] ARMSTRONG WORLD INDUSTRIES, INC., US

[85] 2017-10-20

[86] 2016-05-12 (PCT/US2016/031975)

[87] (WO2016/183267)

[30] US (14/710,731) 2015-05-13

[21] **2,983,638**
[13] A1

[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/48 (2006.01) A61K 31/167 (2006.01) A61K 31/485 (2006.01)**

[25] EN

[54] **TAMPER-RESISTANT FIXED DOSE COMBINATION PROVIDING FAST RELEASE OF TWO DRUGS FROM PARTICLES AND A POWDER**

[54] **COMBINAISON DE DOSE FIXE INVOLABLE PERMETTANT LA LIBERATION RAPIDE DE DEUX MEDICAMENTS A PARTIR DE PARTICULES ET D'UNE POUDRE**

[72] WENING, KLAUS, DE

[72] BARNSCHEID, LUTZ, DE

[72] GEISSLER, ANJA, DE

[72] DENKER, JANA, DE

[72] REDMER, JESSICA, DE

[71] GRUNENTHAL GMBH, DE

[85] 2017-10-23

[86] 2016-04-22 (PCT/EP2016/058979)

[87] (WO2016/170095)

[30] EP (15165067.8) 2015-04-24

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[13] A1

[51] **Int.Cl. B01D 17/02 (2006.01) B65D 88/34 (2006.01) C02F 1/40 (2006.01) E03F 7/02 (2006.01)**

[25] EN

[54] **OIL MONITORING SYSTEM**

[54] **SYSTEME DE SURVEILLANCE D'HYDROCARBURES**

[72] RAUCH, MARK S., US

[72] KLEINEKE, RONALD, US

[71] RAUCH, MARK S., US

[71] KLEINEKE, RONALD, US

[85] 2017-10-20

[86] 2016-04-22 (PCT/US2016/028812)

[87] (WO2016/172458)

[30] US (62/151,194) 2015-04-22

[30] US (62/174,423) 2015-06-11

[30] US (62/235,135) 2015-09-30

[30] US (62/259,947) 2015-11-25

[21] **2,983,640**
[13] A1

[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/48 (2006.01) A61K 31/167 (2006.01) A61K 31/485 (2006.01)**

[25] EN

[54] **TAMPER-RESISTANT FIXED DOSE COMBINATION PROVIDING FAST RELEASE OF TWO DRUGS FROM DIFFERENT PARTICLES**

[54] **COMBINAISON INVOLABLE DE DOSES FIXES PERMETTANT LA LIBERATION RAPIDE DE DEUX MEDICAMENTS A PARTIR DE PARTICULES DIFFERENTES**

[72] WENING, KLAUS, DE

[72] BARNSCHEID, LUTZ, DE

[72] GEISSLER, ANJA, DE

[72] DENKER, JANA, DE

[72] REDMER, JESSICA, DE

[71] GRUNENTHAL GMBH, DE

[85] 2017-10-23

[86] 2016-04-22 (PCT/EP2016/058980)

[87] (WO2016/170096)

[30] EP (15165065.2) 2015-04-24

[21] **2,983,641**
[13] A1

[51] **Int.Cl. A61F 2/64 (2006.01)**

[25] EN

[54] **METHOD FOR CONTROLLING A DAMPING MODIFICATION**

[54] **PROCEDE DE CONTROLE D'UN CHANGEMENT D'AMORTISSEMENT**

[72] SEIFERT, DIRK, AT

[72] PAWLIK, ROLAND, AT

[72] SEYR, MARTIN, AT

[71] OTTO BOCK HEALTHCARE PRODUCTS GMBH, AT

[85] 2017-10-23

[86] 2016-04-15 (PCT/EP2016/058343)

[87] (WO2016/169848)

[30] DE (10 2015 106 390.5) 2015-04-24

[21] **2,983,642**
[13] A1

[51] **Int.Cl. A61K 9/16 (2006.01) A61K 31/485 (2006.01)**

[25] EN

[54] **TAMPER-RESISTANT DOSAGE FORM WITH IMMEDIATE RELEASE AND RESISTANCE AGAINST SOLVENT EXTRACTION**

[54] **FORME GALENIQUE INVOLABLE AVEC LIBERATION IMMEDIATE ET RESISTANCE A L'EXTRACTION PAR SOLVANT.**

[72] WENING, KLAUS, DE

[72] GEISSLER, ANJA, DE

[72] DENKER, JANA, DE

[72] BARNSCHEID, LUTZ, DE

[71] GRUNENTHAL GMBH, DE

[85] 2017-10-23

[86] 2016-04-22 (PCT/EP2016/058981)

[87] (WO2016/170097)

[30] EP (15165064.5) 2015-04-24

PCT Applications Entering the National Phase

[21] **2,983,643**
[13] A1

[51] **Int.Cl. A61M 35/00 (2006.01) A61F 9/00 (2006.01) A61J 1/06 (2006.01) A61J 1/14 (2006.01)**

[25] EN

[54] **DUAL CHAMBER DISPENSING DEVICE**

[54] **DISPOSITIF DE DISTRIBUTION A DOUBLE COMPARTIMENT**

[72] COPLAND, IAN B. (DECEASED), US

[72] REAVIS, ASHLEY, US

[72] BUTTS, EMILY, US

[72] CASOLA, MARISA, US

[72] PATEL, NIHIR, US

[71] CAMBIUM MEDICAL TECHNOLOGIES LLC, US

[85] 2017-10-20

[86] 2016-04-22 (PCT/US2016/028866)

[87] (WO2016/172497)

[30] US (62/151,838) 2015-04-23

[21] **2,983,644**
[13] A1

[51] **Int.Cl. C09D 5/18 (2006.01) C09D 163/00 (2006.01)**

[25] EN

[54] **AN INTUMESCENT COATING COMPOSITION**

[54] **COMPOSITION DE REVETEMENT INTUMESCENTE**

[72] PESKENS, RONNIE, NL

[72] DE BOER, THOMAS, NL

[71] PPG COATINGS EUROPE B.V., NL

[85] 2017-10-23

[86] 2016-04-22 (PCT/EP2016/059023)

[87] (WO2016/170122)

[30] EP (15165120.5) 2015-04-24

[21] **2,983,645**
[13] A1

[51] **Int.Cl. C02F 1/04 (2006.01) B01D 61/36 (2006.01) B01D 63/08 (2006.01) B01D 69/06 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR ADVANCED VACUUM MEMBRANE DISTILLATION**

[54] **PROCEDE ET APPAREIL S'APPLIQUANT A LA DISTILLATION MEMBRANAIRE SOUS VIDE PERFECTIONNEE**

[72] CHIDAMBARAN, RAVI, US

[72] RAINA, PAVAN, IN

[72] BISHT, NARENDRA SINGH, IN

[72] BHINGE, SANTOSH VENKATESH, IN

[71] AQUATECH INTERNATIONAL, LLC, US

[85] 2017-10-20

[86] 2016-04-22 (PCT/US2016/028927)

[87] (WO2016/172539)

[30] IN (1129/DEL/2015) 2015-04-23

[30] US (62/191,720) 2015-07-13

[21] **2,983,646**
[13] A1

[51] **Int.Cl. A61F 2/64 (2006.01) A61F 2/66 (2006.01) A61F 2/68 (2006.01)**

[25] EN

[54] **METHOD FOR CONTROLLING A CHANGE OF DAMPING IN AN ARTIFICIAL JOINT**

[54] **PROCEDE POUR CONTROLER UN CHANGEMENT D'AMORTISSEMENT D'UNE PROTHESE ARTICULAIRE**

[72] SEIFERT, DIRK, AT

[71] OTTO BOCK HEALTHCARE PRODUCTS GMBH, AT

[85] 2017-10-23

[86] 2016-04-15 (PCT/EP2016/058356)

[87] (WO2016/169850)

[30] DE (10 2015 106 384.0) 2015-04-24

[21] **2,983,647**
[13] A1

[51] **Int.Cl. A61M 5/34 (2006.01) A61M 5/32 (2006.01)**

[25] EN

[54] **SYRINGE WITH HIGH SAFETY IN USE**

[54] **SERINGUE PRESENTANT UNE SECURITE ELEVEE LORS DE L'UTILISATION**

[72] GIUBERCHIO, CARLO, IT

[71] GIUBERCHIO, CARLO, IT

[71] MARCHIONNI, MARCO, GB

[85] 2017-10-23

[86] 2016-04-22 (PCT/EP2016/059071)

[87] (WO2016/170150)

[30] IT (MI2015A000587) 2015-04-24

[21] **2,983,648**
[13] A1

[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/48 (2006.01) A61K 31/167 (2006.01) A61K 31/485 (2006.01)**

[25] EN

[54] **TAMPER-RESISTANT FIXED DOSE COMBINATION PROVIDING FAST RELEASE OF TWO DRUGS FROM PARTICLES AND A MATRIX**

[54] **COMBINAISON A DOSE FIXE INALTERABLE PRESENTANT UNE LIBERATION RAPIDE DE DEUX MEDICAMENTS DE PARTICULES ET D'UNE MATRICE**

[72] WENING, KLAUS, DE

[72] BARNSCHIED, LUTZ, DE

[72] GEISSLER, ANJA, DE

[72] DENKER, JANA, DE

[72] REDMER, JESSICA, DE

[71] GRUNENTHAL GMBH, DE

[85] 2017-10-23

[86] 2016-04-22 (PCT/EP2016/058977)

[87] (WO2016/170093)

[30] EP (15165070.2) 2015-04-24

Demandes PCT entrant en phase nationale

[21] **2,983,649**
[13] A1

[51] **Int.Cl. A61F 2/64 (2006.01) A61F 2/68 (2006.01)**

[25] EN

[54] **METHOD FOR CONTROLLING THE STANDING-PHASE DAMPING OF AN ARTIFICIAL KNEE JOINT**

[54] **PROCEDE POUR CONTROLER L'AMORTISSEMENT DE LA PHASE D'APPUI D'UNE PROTHESE DU GENOU**

[72] SEIFERT, DIRK, AT
[72] ZARLING, SVEN, DE
[71] OTTO BOCK HEALTHCARE PRODUCTS GMBH, AT

[85] 2017-10-23
[86] 2016-04-15 (PCT/EP2016/058394)
[87] (WO2016/169853)
[30] DE (10 2015 106 392.1) 2015-04-24

[21] **2,983,650**
[13] A1

[51] **Int.Cl. A61F 2/40 (2006.01)**

[25] EN

[54] **PATIENT-SPECIFIC AUGMENTED GLENOID SYSTEMS**

[54] **SYSTEMES GLENOIDES AUGMENTES SPECIFIQUES AU PATIENT**

[72] KOVACS, MICHAEL FRANCIS, US
[72] GULOTTA, LAWRENCE, US
[72] VANASSE, THOMAS M., US
[71] BIOMET MANUFACTURING, LLC, US

[85] 2017-10-20
[86] 2016-04-22 (PCT/US2016/028972)
[87] (WO2016/172572)
[30] US (62/152,304) 2015-04-24

[21] **2,983,651**
[13] A1

[51] **Int.Cl. A61K 31/30 (2006.01) A61P 31/00 (2006.01)**

[25] EN

[54] **ANTIBACTERIAL COMPOSITIONS COMPRISING COPPER OXO-HYDROXIDE NANOPARTICLES AND THEIR USES AS BIOCIDAL AGENTS**

[54] **COMPOSITIONS ANTIBACTERIENNES COMPRENANT DES NANOPARTICULES D'OXO-HYDROXYDE DE CUIVRE ET LEURS UTILISATIONS COMME BIOCIDES**

[72] BASTOS, CARLOS ANDRE PASSOS, GB
[72] BRUGGRABER, SYLVAINNE FRANCOISE ALINE, GB
[72] FARIA, NUNO JORGE RODRIGUES, GB

[72] POWELL, JONATHAN JOSEPH, GB
[71] MEDICAL RESEARCH COUNCIL, GB

[85] 2017-10-23
[86] 2016-04-22 (PCT/EP2016/059074)
[87] (WO2016/170152)
[30] GB (1507002.2) 2015-04-24

[21] **2,983,652**
[13] A1

[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/05 (2006.01)**

[25] EN

[54] **NEUROMODULATION DEVICE**

[54] **DISPOSITIF DE NEUROMODULATION**

[72] CHEW, DANIEL JOHN, GB
[72] DE JONGE, WOUTER JACOB, NL
[72] FAMM, HANS JAKOB KRISTOFFER, GB

[72] PATEL, SONAL, CH
[72] WELTING, OLAF, NL
[71] GALVANI BIOELECTRONICS LIMITED, GB

[71] ACADEMISCH MEDISCH CENTRUM, NL

[85] 2017-10-23
[86] 2016-04-22 (PCT/IB2016/052307)
[87] (WO2016/170510)
[30] US (62/152,119) 2015-04-24

[21] **2,983,653**
[13] A1

[51] **Int.Cl. B65D 25/10 (2006.01) B65D 43/16 (2006.01) B65D 43/22 (2006.01)**

[25] EN

[54] **PACKAGING CONTAINER HAVING A SECURE CLOSURE MECHANISM**

[54] **RECIPIENT D'EMBALLAGE AYANT UN MECANISME DE FERMETURE SECURISEE**

[72] BAKER, JAY, US
[71] BAKER, JAY, US

[85] 2017-10-20
[86] 2016-04-22 (PCT/US2016/028996)
[87] (WO2016/172592)
[30] US (14/693,293) 2015-04-22

[21] **2,983,654**
[13] A1

[51] **Int.Cl. B60R 11/04 (2006.01) B60W 30/00 (2006.01) G06T 3/40 (2006.01) G06T 11/60 (2006.01)**

[25] EN

[54] **IMAGE SYNTHESIZER FOR A DRIVER ASSISTING SYSTEM**

[54] **DISPOSITIF DE SYNTHESE D'IMAGE DESTINE A UN SYSTEME D'AIDE AU CONDUCTEUR**

[72] GYORI, MARTON, HU
[72] NEMETH, HUBA, HU
[71] KNORR-BREMSE SYSTEME FUR NUTZFAHRZEUGE GMBH, DE

[85] 2017-10-23
[86] 2016-04-22 (PCT/EP2016/059092)
[87] (WO2016/170164)
[30] EP (15164945.6) 2015-04-24

[21] **2,983,655**
[13] A1

[51] **Int.Cl. B06B 3/04 (2006.01) B06B 1/00 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR GENERATING MECHANICAL PULSES**

[54] **PROCEDE ET SYSTEME POUR GENERER DES IMPULSIONS MECANIQUES**

[72] BROUILLETTE, MARTIN, CA
[72] DION, STEVEN, CA
[72] RIEL, LOUIS-PHILIPPE, CA
[71] LES SOLUTIONS MEDICALES SOUNDBITE INC., CA

[85] 2017-10-23
[86] 2016-04-25 (PCT/IB2016/052339)
[87] (WO2016/170520)
[30] US (62/152,332) 2015-04-24

PCT Applications Entering the National Phase

[21] **2,983,656**
[13] A1

[51] **Int.Cl. H04N 5/74 (2006.01) H01L 33/06 (2010.01) B82Y 20/00 (2011.01) G03B 21/606 (2014.01) G03B 35/00 (2006.01) G03B 35/16 (2006.01)**

[25] FR

[54] **HYBRID NANOCOMPOSITE MATERIALS, LASER SCANNING SYSTEM AND USE THEREOF IN VOLUMETRIC IMAGE PROJECTION**

[54] **MATERIAUX NANOCOMPOSITES HYBRIDES, SYSTEME DE BALAYAGE LASER, ET LEUR APPLICATION EN PROJECTION D'IMAGERIE VOLUMETRIQUE**

[72] ALLEN, CLAUDINE, CA
[72] THIBAUT, SIMON, CA
[72] TALBOT-LANCAULT, ALICIA, CA
[72] BLAIS, PHILIPPE, CA
[72] ST-ONGE, GUILLAUME, CA
[72] DESAULNIERS, PIERRE, CA
[71] PRODUCTION ELEKTRATEK INC., CA

[85] 2017-10-20
[86] 2016-04-21 (PCT/CA2016/050466)
[87] (WO2016/168936)
[30] CA (2,889,103) 2015-04-21

[21] **2,983,657**
[13] A1

[51] **Int.Cl. A63F 3/06 (2006.01)**

[25] EN

[54] **MULTI-GAME LOTTERY TICKET ASSEMBLY AND ASSOCIATED METHOD FOR MAKING**

[54] **ENSEMBLE TICKET DE LOTERIE A JEUX MULTIPLES ET PROCEDE ASSOCIE DE FABRICATION**

[72] GRATTON, STEPHANE, CA
[72] EBACHER, MARIO, CA
[72] LATREILLE, VALERIE, CA
[72] BOUCHER, GINO, CA
[72] BEDARD, MARC, CA
[72] LEBRUN, CLAUDIA, CA
[71] SCIENTIFIC GAMES HOLDINGS LIMITED, IE

[85] 2017-10-23
[86] 2016-05-26 (PCT/IB2016/053096)
[87] (WO2016/189493)
[30] US (14/723,606) 2015-05-28

[21] **2,983,658**
[13] A1

[51] **Int.Cl. C10L 1/18 (2006.01) C10L 10/12 (2006.01)**

[25] EN

[54] **USE OF A FUEL ADDITIVE IN DIESEL FUEL FOR REMOVING DEPOSITS IN A DIESEL ENGINE**

[54] **UTILISATION D'UN ADDITIF POUR CARBURANT DANS UN CARBURANT DIESEL AFIN D'ELIMINER DES DEPOTS DANS UN MOTEUR DIESEL**

[72] VOLPERT, EDGAR, DE
[72] BATSON, WILLIAM A., US
[71] UNITED INITIATORS GMBH, DE

[85] 2017-10-23
[86] 2016-04-28 (PCT/EP2016/059567)
[87] (WO2016/174178)
[30] EP (15165435.7) 2015-04-28

[21] **2,983,660**
[13] A1

[51] **Int.Cl. E21B 34/06 (2006.01) E21B 21/10 (2006.01) E21B 43/114 (2006.01)**

[25] EN

[54] **MULTI-CYCLE CIRCULATING VALVE ASSEMBLY**

[54] **ENSEMBLE DE VANNES DE CIRCULATION A CYCLES MULTIPLES**

[72] MANKE, KEVIN R., US
[72] SCHULTZ, ROGER L., US
[71] THRU TUBING SOLUTIONS, INC., US

[85] 2017-10-23
[86] 2015-05-06 (PCT/US2015/029399)
[87] (WO2016/178677)

[21] **2,983,661**
[13] A1

[51] **Int.Cl. B60J 10/74 (2016.01) B60J 10/79 (2016.01) B60J 10/88 (2016.01)**

[25] FR

[54] **RUN SEAL FOR VEHICLE WINDOW AND SEALING MODULE INCORPORATING MEANS FOR GUIDING THE WINDOW IN THE SEAL AND AN ELEMENT OF THE DOOR FRAME**

[54] **JOINT DE COULISSE POUR VITRAGE DE VEHICULE ET MODULE D'ETANCHEITE INCORPORANT DES MOYENS DE GUIDAGE DU VITRAGE DANS LE JOINT ET UN ELEMENT DU CADRE DE PORTE**

[72] BLOTTIAU, OLIVIER, FR
[71] HUTCHINSON, FR

[85] 2017-10-23
[86] 2015-04-28 (PCT/FR2015/051147)
[87] (WO2016/174315)

[21] **2,983,662**
[13] A1

[51] **Int.Cl. E21B 7/06 (2006.01) E21B 47/13 (2012.01) E21B 4/02 (2006.01) E21B 44/00 (2006.01) E21B 47/024 (2006.01) E21B 47/09 (2012.01) G06K 7/10 (2006.01) G06K 19/07 (2006.01)**

[25] EN

[54] **DRIVE SHAFT ACTUATION USING RADIO FREQUENCY IDENTIFICATION**

[54] **ACTIONNEMENT D'ARBRE D'ENTRAINEMENT PAR IDENTIFICATION PAR RADIOFREQUENCE**

[72] GHARIB, HOSSAM MOHAMED, CA
[72] SAMUEL, GEOFFREY ANDREW, CA
[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-10-23
[86] 2015-06-17 (PCT/US2015/036296)
[87] (WO2016/204756)

Demandes PCT entrant en phase nationale

[21] **2,983,663**
[13] A1

[51] **Int.Cl. F03D 17/00 (2016.01) F03D 7/02 (2006.01) H02J 9/00 (2006.01)**
[25] EN
[54] **WIND TURBINE BACKUP POWER SUPPLY MONITORING**
[54] **SURVEILLANCE D'ALIMENTATION DE SECOURS D'EOLIENNE**
[72] THEOPOLD, TOBIAS, DE
[72] STRENZKE, HILMAR, DE
[71] MOOG UNNA GMBH, DE
[85] 2017-10-23
[86] 2016-04-29 (PCT/EP2016/059665)
[87] (WO2016/174233)
[30] DE (102015005509.7) 2015-04-30

[21] **2,983,664**
[13] A1

[51] **Int.Cl. A61B 17/72 (2006.01)**
[25] EN
[54] **HUMERAL NAIL**
[54] **CLOU HUMERAL**
[72] VAN DYKE, SCOTT, US
[72] KANAKARIS, NIKOLAOS, GB
[72] MULLIS, BRIAN, US
[72] LIPORACE, FRANK A., US
[72] HAIDUKEWYCH, GEORGE J., US
[72] KINUGASA, KIYOTO, US
[72] INOUE, HISAYOSHI, US
[71] VAN DYKE, SCOTT, US
[71] KANAKARIS, NIKOLAOS, GB
[71] MULLIS, BRIAN, US
[71] LIPORACE, FRANK A., US
[71] HAIDUKEWYCH, GEORGE J., US
[71] KINUGASA, KIYOTO, US
[71] INOUE, HISAYOSHI, US
[85] 2017-10-20
[86] 2016-04-22 (PCT/US2016/028998)
[87] (WO2016/172594)
[30] US (62/152,339) 2015-04-24

[21] **2,983,666**
[13] A1

[51] **Int.Cl. A61K 38/08 (2006.01) A61K 39/395 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING CANCER AND PERSISTENT VIRAL INFECTIONS**
[54] **COMPOSITIONS ET PROCEDES PERMETTANT DE TRAITER LE CANCER ET DES INFECTIONS VIRALES PERSISTANTES**
[72] EGGINK, LAURA L., US
[72] HOOBER, KENNETH J., US
[71] SUSAVION BIOSCIENCES, INC., US
[85] 2017-10-23
[86] 2015-07-08 (PCT/US2015/039555)
[87] (WO2016/175878)
[30] US (14/697,240) 2015-04-27

[21] **2,983,668**
[13] A1

[51] **Int.Cl. C07D 231/40 (2006.01) A61K 31/4155 (2006.01) A61P 9/00 (2006.01) C07D 231/44 (2006.01) C07D 231/50 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **PYRAZOLE DERIVATIVES USEFUL AS 5-LIPOXYGENASE ACTIVATING PROTEIN (FLAP) INHIBITORS**
[54] **DERIVES DE PYRAZOLE UTILES EN TANT QU'INHIBITEURS (FLAP) DE PROTEINE ACTIVANT LA 5-LIPOXYGENASE**
[72] BRODDEFALK, JOHAN OLOF, SE
[72] EMTENAS, HANS FREDRIK, SE
[72] GRANBERG, KENNETH LARS, SE
[72] LEMURELL, MALIN ANITA, SE
[72] PETTERSEN, DANIEL TOR, SE
[72] PLOWRIGHT, ALLEYN THOMAS, SE
[72] ULANDER, LARS JOHAN ANDREAS, SE
[71] ASTRAZENECA AB, SE
[85] 2017-10-23
[86] 2016-05-03 (PCT/EP2016/059848)
[87] (WO2016/177703)
[30] US (62/156424) 2015-05-04

[21] **2,983,670**
[13] A1

[51] **Int.Cl. B60R 11/00 (2006.01) B60R 9/02 (2006.01) B60R 11/04 (2006.01)**
[25] FR
[54] **VEHICLE GLAZING COMPRISING A PLATE FOR ATTACHING MULTIPLE ACCESSORIES, PLATE AND ATTACHMENT METHOD**
[54] **VITRAGE DE VEHICULE COMPRENANT UNE PLATINE POUR LA FIXATION DE PLUSIEURS ACCESSOIRES, PLATINE ET PROCEDE DE FIXATION**
[72] SILVESTRINI, LAURENT, FR
[72] BREBION, RAYMOND, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2017-10-23
[86] 2016-04-29 (PCT/FR2016/051015)
[87] (WO2016/177955)
[30] FR (1554095) 2015-05-07

[21] **2,983,671**
[13] A1

[51] **Int.Cl. C07C 29/145 (2006.01) C07C 1/24 (2006.01) C07C 11/02 (2006.01) C07C 31/02 (2006.01) C07C 45/48 (2006.01) C07C 49/04 (2006.01)**
[25] EN
[54] **PROCESS FOR THE DECARBOXYLATIVE KETONIZATION OF FATTY ACIDS OR FATTY ACID DERIVATIVES**
[54] **PROCEDE DE CETONISATION DECARBOXYLANTE D'ACIDES GRAS OU DE DERIVES D'ACIDES GRAS**
[72] BACK, OLIVIER, FR
[72] LEROY, REMY, FR
[72] MARION, PHILIPPE, FR
[71] RHODIA OPERATIONS, FR
[85] 2017-10-23
[86] 2016-05-04 (PCT/EP2016/060106)
[87] (WO2016/177842)
[30] EP (15305709.6) 2015-05-07

PCT Applications Entering the National Phase

[21] **2,983,673**
[13] A1

[51] **Int.Cl. B29C 41/04 (2006.01) C04B 35/71 (2006.01) C22C 47/00 (2006.01)**

[25] FR

[54] **METHOD FOR IMPREGNATING A HOLLOW FIBROUS TEXTURE**

[54] **PROCEDE D'IMPREGNATION D'UNE TEXTURE FIBREUSE DE FORME CREUSE**

[72] GODON, THIERRY, FR

[72] PODGORSKI, MICHAEL, FR

[71] SAFRAN, FR

[71] SAFRAN AIRCRAFT ENGINES, FR

[85] 2017-10-23

[86] 2016-05-23 (PCT/FR2016/051214)

[87] (WO2016/193569)

[30] FR (1555090) 2015-06-04

[21] **2,983,674**
[13] A1

[51] **Int.Cl. C07D 471/08 (2006.01) A61K 31/04 (2006.01) A61K 31/439 (2006.01)**

[25] EN

[54] **HETEROCYCLIC COMPOUNDS AND THEIR USE IN PREVENTING OR TREATING BACTERIAL INFECTIONS**

[54] **COMPOSES HETEROCYCLIQUES ET LEUR UTILISATION DANS LA PREVENTION OU LE TRAITEMENT D'INFECTIONS BACTERIENNES**

[72] BARBION, JULIEN, FR

[72] CARAVANO, AUDREY, FR

[72] CHASSET, SOPHIE, FR

[72] CHEVREUIL, FRANCIS, FR

[72] LECOINTE, NICOLAS, FR

[72] LEDOUSSAL, BENOIT, FR

[72] LE STRAT, FREDERIC, FR

[72] RICHARD, SEBASTIEN, FR

[72] SIMON, CHRISTOPHE, FR

[72] VOMSCHIED, SOPHIE, FR

[72] BRIAS, JULIE, FR

[72] BRIET, SOPHIA, FR

[72] FAIVRE, FABIEN, FR

[72] LE FRALLIEC, GERALDINE, FR

[72] OLIVEIRA, CHRYSTELLE, FR

[71] MUTABILIS, FR

[85] 2017-10-23

[86] 2016-05-06 (PCT/EP2016/060142)

[87] (WO2016/177862)

[30] EP (15305701.3) 2015-05-07

[30] EP (16305144.4) 2016-02-08

[21] **2,983,676**
[13] A1

[51] **Int.Cl. A61B 42/10 (2016.01) A41D 19/00 (2006.01)**

[25] EN

[54] **AUTOMATIC APPARATUS FOR PUTTING STERILE GLOVES ON HANDS**

[54] **APPAREIL AUTOMATIQUE DE POSE DE GANTS STERILES SUR LES MAINS**

[72] AVSHALOM, SHIMON, IL

[72] SARDEHELI, YOMTOV, IL

[71] AVSHALOM, SHIMON, IL

[71] SARDEHELI, YOMTOV, IL

[85] 2017-10-23

[86] 2016-04-25 (PCT/IL2016/050437)

[87] (WO2016/174672)

[30] IL (238458) 2015-04-26

[21] **2,983,679**
[13] A1

[51] **Int.Cl. C08G 59/50 (2006.01) C08G 59/18 (2006.01) C08G 59/56 (2006.01)**

[25] EN

[54] **A CURING AGENT FOR THERMOSETTING EPOXY RESINS, AND A PROCESS FOR THE PREPARATION OF INSULATION SYSTEMS FOR ELECTRICAL ENGINEERING**

[54] **AGENT DE DURCISSEMENT POUR LE THERMODURCISSEMENT DE RESINES EPOXY, ET PROCEDE POUR LA PREPARATION DE SYSTEMES D'ISOLATION DESTINES AUX DOMAINES DE L'ELECTROTECHNIQUE**

[72] BEISELE, CHRISTIAN, DE

[72] COLLIARD, SOPHIE, FR

[72] SCHOENENBERGER, CATHERINE, FR

[71] HUNTSMAN ADVANCED MATERIALS LICENSING (SWITZERLAND) GMBH, CH

[85] 2017-10-23

[86] 2016-05-11 (PCT/EP2016/060558)

[87] (WO2016/184749)

[30] EP (15168065.9) 2015-05-19

[21] **2,983,680**
[13] A1

[51] **Int.Cl. G08G 1/16 (2006.01) B60W 30/095 (2012.01) B60R 21/00 (2006.01)**

[25] EN

[54] **SCENE UNDERSTANDING DEVICE**

[54] **DISPOSITIF DE DETERMINATION DE SCENE**

[72] YOSHIHIRA, MASANORI, JP

[72] WATANABE, SEIGO, JP

[72] KISHI, NORIMASA, JP

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

[85] 2017-10-23

[86] 2015-04-23 (PCT/JP2015/062405)

[87] (WO2016/170646)

[21] **2,983,682**
[13] A1

[51] **Int.Cl. G08G 1/16 (2006.01) B60W 30/095 (2012.01) B60R 21/00 (2006.01)**

[25] EN

[54] **OCCLUSION CONTROL DEVICE**

[54] **DISPOSITIF DE COMMANDE EN CAS D'OCCULTATION**

[72] YOSHIHIRA, MASANORI, JP

[72] WATANABE, SEIGO, JP

[72] KISHI, NORIMASA, JP

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

[85] 2017-10-23

[86] 2015-04-23 (PCT/JP2015/062406)

[87] (WO2016/170647)

[21] **2,983,683**
[13] A1

[51] **Int.Cl. G03F 1/20 (2012.01) G03F 1/36 (2012.01) G03F 1/70 (2012.01) G03F 1/76 (2012.01) G03F 1/92 (2012.01) G03F 7/20 (2006.01) H01L 21/027 (2006.01)**

[25] EN

[54] **SPECTRAL GRADIENT FILTER PRODUCTION USING SURFACE APPLIED ARRAY OPTIMIZED 3D SHADOW MASKS**

[54] **FABRICATION DE FILTRES A GRADIENT SPECTRAL A L'AIDE DE MASQUES PERFORES 3D OPTIMISES EN RESEAU APPLIQUES EN SURFACE**

[72] LANE, JAMES D., US

[71] OCEAN OPTICS, INC., US

[85] 2017-10-23

[86] 2016-04-14 (PCT/US2016/027408)

[87] (WO2016/171978)

[30] US (62/151,478) 2015-04-23

[30] US (15/098,375) 2016-04-14

Demandes PCT entrant en phase nationale

[21] **2,983,684**
[13] A1

[51] **Int.Cl. G06Q 20/40 (2012.01)**
[25] EN
[54] **METHOD OF RETAINING TRANSACTION CONTEXT**
[54] **PROCEDE DE RETENTION DE CONTEXTE DE TRANSACTION**
[72] SULLIVAN, BRIAN, GB
[72] WILSON, DAVID, GB
[72] HARBIGE, DAVID, GB
[71] VISA EUROPE LIMITED, GB
[85] 2017-10-23
[86] 2016-04-13 (PCT/GB2016/051033)
[87] (WO2016/170305)
[30] GB (1507047.7) 2015-04-24

[21] **2,983,685**
[13] A1

[51] **Int.Cl. A61K 35/741 (2015.01) A23L 33/10 (2016.01) A23L 33/135 (2016.01)**
[25] EN
[54] **DIETARY SUPPLEMENT**
[54] **COMPLEMENT ALIMENTAIRE**
[72] MOILLE, SOPHIE, FR
[72] SILVA ZOLEZZI, IRMA, CH
[72] HABEYCH NARVAEZ, EDWIN ALBERTO, CH
[72] GALAFFU, NICOLA, FR
[72] BOURQUI, BERTRAND, CH
[72] COLOMBO MOTTAZ, SARA, CH
[71] NESTEC S.A., CH
[85] 2017-10-23
[86] 2016-06-09 (PCT/EP2016/063170)
[87] (WO2016/198528)
[30] EP (15171552.1) 2015-06-11

[21] **2,983,686**
[13] A1

[51] **Int.Cl. G06Q 50/06 (2012.01)**
[25] EN
[54] **GAS FACILITY OPERATION MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE FONCTIONNEMENT D'INSTALLATION GAZIERE**
[72] WADA, SHINJI, JP
[72] DEKAMO, SHINGO, JP
[71] NIPPON GAS CO., LTD., JP
[85] 2017-10-23
[86] 2016-03-14 (PCT/JP2016/001450)
[87] (WO2016/185648)
[30] JP (2015-103833) 2015-05-21

[21] **2,983,688**
[13] A1

[51] **Int.Cl. C08G 18/38 (2006.01) C08G 18/32 (2006.01) C08G 18/72 (2006.01) C09D 175/12 (2006.01)**
[25] EN
[54] **TWO-PART POLYURETHANE EROSION RESISTANT COATINGS**
[54] **REVETEMENTS EN POLYURETHANE A DEUX COMPOSANTS RESISTANT A L'EROSION**
[72] WEBER, BJORN, DE
[72] AUDENAERT, FRANS A., BE
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2017-10-23
[86] 2016-04-18 (PCT/US2016/028028)
[87] (WO2016/172016)
[30] US (62/152,295) 2015-04-24

[21] **2,983,689**
[13] A1

[51] **Int.Cl. G01B 11/22 (2006.01) B21J 15/14 (2006.01) B21J 15/28 (2006.01) B23Q 17/24 (2006.01) B25J 19/04 (2006.01)**
[25] EN
[54] **INSPECTION OF DRILLED FEATURES IN OBJECTS**
[54] **INSPECTION D'ELEMENTS PERCES DANS DES OBJETS**
[72] CABBERRY, JONATHAN MICHAEL, GB
[72] COOK, AUSTIN JAMES, GB
[71] BAE SYSTEMS PLC, GB
[85] 2017-10-23
[86] 2016-04-28 (PCT/GB2016/051213)
[87] (WO2016/174444)
[30] GB (1507453.7) 2015-04-30
[30] EP (15275127.7) 2015-04-30

[21] **2,983,690**
[13] A1

[51] **Int.Cl. G01D 5/32 (2006.01)**
[25] EN
[54] **PHOTONIC SENSOR TRACKING**
[54] **SUIVI DE CAPTEUR PHOTONIQUE**
[72] CARLSON, DOUGLAS O., US
[71] FAZ TECHNOLOGY LIMITED, IE
[85] 2017-10-23
[86] 2016-03-31 (PCT/IB2016/000508)
[87] (WO2016/170415)
[30] US (14/693,947) 2015-04-23

[21] **2,983,691**
[13] A1

[51] **Int.Cl. G02F 2/00 (2006.01) G02B 6/00 (2006.01) G02B 6/125 (2006.01) G02B 6/126 (2006.01)**
[25] EN
[54] **COHERENT OPTICAL MIXER CIRCUIT**
[54] **CIRCUIT MELANGEUR OPTIQUE COHERENT**
[72] KAMEI, SHIN, JP
[72] JIZODO, MAKOTO, JP
[72] FUKUDA, HIROSHI, JP
[72] KIKUCHI, KIYOFUMI, JP
[72] TSUZUKI, KEN, JP
[71] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP
[85] 2017-10-23
[86] 2016-05-27 (PCT/JP2016/002563)
[87] (WO2016/194349)
[30] JP (2015-110769) 2015-05-29

[21] **2,983,692**
[13] A1

[51] **Int.Cl. G06Q 50/22 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING A PATIENT OF A MEDICAL PRACTICE**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE GERER UN PATIENT D'UN CABINET MEDICAL**
[72] DEMAIO, PIETRO ROCCO, AU
[71] AUTOMED KIOSK PTY LTD, AU
[85] 2017-10-23
[86] 2016-04-24 (PCT/AU2016/050295)
[87] (WO2016/168900)
[30] US (62/151,554) 2015-04-23

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[21] **2,983,693**
[13] A1

[51] **Int.Cl. F16J 15/10 (2006.01) B29D 99/00 (2010.01) H01M 8/0271 (2016.01) F16J 15/00 (2006.01)**

[25] EN

[54] **GASKET MOLDING AND MANUFACTURING METHOD THEREFOR**

[54] **MOULAGE DE JOINT D'ETANCHEITE ET PROCEDE DE FABRICATION POUR CE DERNIER**

[72] KURANO, YOSHIHIRO, JP
[72] SHIMAZOE, TOSHIHIRO, JP
[71] NOK CORPORATION, JP
[85] 2017-10-23
[86] 2016-03-25 (PCT/JP2016/059548)
[87] (WO2016/170914)
[30] JP (2015-089405) 2015-04-24

[21] **2,983,697**
[13] A1

[51] **Int.Cl. A42B 3/30 (2006.01)**

[25] EN

[54] **PROTECTIVE HELMET**

[54] **CASQUE DE PROTECTION**

[72] AUERBACH, PHILIPP, CH
[71] PFANNER SCHUTZBEKLEIDUNG GMBH, AT
[85] 2017-10-20
[86] 2016-05-10 (PCT/EP2016/060435)
[87] (WO2016/180824)
[30] DE (10 2015 006 111.9) 2015-05-11

[21] **2,983,701**
[13] A1

[51] **Int.Cl. B29B 15/12 (2006.01)**

[25] EN

[54] **PROCESS AND DEVICE FOR THE PRODUCTION OF A FIBRE-COMPOSITE MATERIAL**

[54] **PROCEDE ET DISPOSITIF POUR PRODUIRE UN MATERIAU COMPOSITE FIBREUX**

[72] BERLIN, MARK REINHARD, DE
[72] SONDERMANN, UDO, DE
[71] EVONIK DEGUSSA GMBH, DE
[85] 2017-10-23
[86] 2016-04-19 (PCT/EP2016/058636)
[87] (WO2016/173886)
[30] EP (15165851.5) 2015-04-30

[21] **2,983,702**
[13] A1

[51] **Int.Cl. C09D 133/00 (2006.01) C09D 151/10 (2006.01)**

[25] EN

[54] **LOW SHEEN PAINT COMPOSITION WITH EFFECTIVE OPACITY**

[54] **COMPOSITION DE PEINTURE A FAIBLE LUSTRE AVEC OPACITE EFFICACE**

[72] CHEN, JUNYU, CN
[72] CUI, WEI, CN
[72] WANG, TAO, CN
[72] LI, QIANQIAN, CN
[72] LI, JUAN, CN
[72] CUI, LONGLAN, CN
[72] SPEECE, DAVID G., JR., US
[72] WANG, TAO, AU
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[85] 2017-10-23
[86] 2015-04-28 (PCT/CN2015/077607)
[87] (WO2016/172832)

[21] **2,983,704**
[13] A1

[51] **Int.Cl. H01H 13/86 (2006.01) G06F 3/02 (2006.01) G07F 7/10 (2006.01)**

[25] FR

[54] **DETECTION OF THE OPENING OF A DATA INPUT DEVICE**

[54] **DETECTION D'OUVERTURE D'UN DISPOSITIF DE SAISIE DE DONNEES**

[72] ANDRE, JEROME, FR
[72] ROSSIGNOL, MICHEL, FR
[72] BERTHIAUD, MICHEL, FR
[71] INGENICO GROUP, FR
[85] 2017-10-23
[86] 2016-04-27 (PCT/EP2016/059448)
[87] (WO2016/174114)
[30] FR (1553778) 2015-04-27

[21] **2,983,705**
[13] A1

[51] **Int.Cl. A61H 33/06 (2006.01) A61N 5/06 (2006.01) E04H 1/12 (2006.01) E04H 15/10 (2006.01)**

[25] EN

[54] **PORTABLE NEAR-INFRARED SAUNA TENT**

[54] **TENTE DE SAUNA A INFRAROUGE PROCHE PORTABLE**

[72] DURFEE, EILEEN LOUISE, US
[71] DURFEE, EILEEN LOUISE, US
[85] 2017-10-23
[86] 2015-11-13 (PCT/IB2015/058785)
[87] (WO2016/147036)
[30] US (62/132,783) 2015-03-13

[21] **2,983,706**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01) A61K 39/00 (2006.01)**

[25] EN

[54] **COMBINATION OF A CD30XCD16 ANTIBODY WITH A PD-1 ANTAGONIST FOR THERAPY**

[54] **COMBINAISON D'UN ANTICORPS ANTI-CD30XCD16 AVEC UN ANTAGONISTE PD-1 A DES FINS THERAPEUTIQUES**

[72] TREDER, MARTIN, DE
[72] REUSCH, UWE, DE
[72] MARSCHNER, JENS-PETER, DE
[72] KNACKMUSS, STEFAN, DE
[71] AFFIMED GMBH, DE
[85] 2017-10-23
[86] 2016-05-04 (PCT/EP2016/060113)
[87] (WO2016/177846)
[30] EP (15166303.6) 2015-05-04
[30] EP (16152650.4) 2016-01-25

[21] **2,983,710**
[13] A1

[51] **Int.Cl. B65H 19/30 (2006.01) B65H 18/26 (2006.01) B65H 19/22 (2006.01)**

[25] EN

[54] **"MACHINE AND METHOD FOR PRODUCING BOBBINS OF STRETCH FILM"**

[54] **MACHINE ET PROCEDE POUR PRODUIRE DES BOBINES DE FILM ETIRABLE**

[72] PROVERA, VANDER, IT
[71] AMUT S.P.A., IT
[85] 2017-10-23
[86] 2016-05-05 (PCT/EP2016/060129)
[87] (WO2016/177851)
[30] EP (15166350.7) 2015-05-05

Demandes PCT entrant en phase nationale

[21] **2,983,713**
[13] A1

[51] **Int.Cl. A61M 16/00 (2006.01) A61M 16/20 (2006.01)**

[25] EN

[54] **ARTIFICIAL VENTILATION APPARATUS ABLE TO DELIVER VENTILATION AND MONITORING WHICH ARE SPECIFIC TO THE PATIENTS RECEIVING CARDIAC MASSAGE**

[54] **APPAREIL DE VENTILATION ARTIFICIELLE APTE A DELIVRER UNE VENTILATION ET UN MONITORAGE SPECIFIQUES AUX PATIENTS RECEVANT UN MASSAGE CARDIAQUE**

[72] JACQUOT, ERIC, FR
[72] RIGOLLOT, MARCEAU, FR
[72] RICHARD, JEAN-CHRISTOPHE, FR
[71] AIR LIQUIDE MEDICAL SYSTEMS, FR

[85] 2017-10-23
[86] 2016-02-26 (PCT/FR2016/050445)
[87] (WO2016/174318)
[30] FR (1553808) 2015-04-28

[21] **2,983,717**
[13] A1

[51] **Int.Cl. A61M 16/00 (2006.01) A61H 31/00 (2006.01)**

[25] EN

[54] **ARTIFICIAL VENTILATION APPARATUS WITH VENTILATION MODES SUITED TO CARDIAC MASSAGE**

[54] **APPAREIL DE VENTILATION ARTIFICIELLE AVEC MODES VENTILATOIRES ADAPTES AU MASSAGE CARDIAQUE**

[72] DERMEL, MARIUS, FR
[72] JACQUOT, ERIC, FR
[72] PENNORS, THOMAS, FR
[72] RIGOLLOT, MARCEAU, FR
[72] RICHARD, JEAN-CHRISTOPHE, FR
[71] AIR LIQUIDE MEDICAL SYSTEMS, FR

[85] 2017-10-23
[86] 2016-04-06 (PCT/FR2016/050788)
[87] (WO2016/174324)
[30] FR (1553809) 2015-04-28

[21] **2,983,718**
[13] A1

[51] **Int.Cl. B65D 65/40 (2006.01) B32B 33/00 (2006.01) B65D 1/02 (2006.01) B65D 23/02 (2006.01) B65D 25/14 (2006.01)**

[25] EN

[54] **STRUCTURE HAVING A GEL-LIKE COATING ON THE SURFACE THEREOF**

[54] **STRUCTURE A REVETEMENT DE SURFACE DE TYPE GEL**

[72] NYUU, KEISUKE, JP
[72] OKADA, YOSHIKI, JP
[72] MIYAZAKI, TOMOYUKI, JP
[72] AKUTSU, YOSUKE, JP
[72] IWAMOTO, SHINYA, JP
[71] TOYO SEIKAN CO., LTD., JP
[71] TOYO SEIKAN GROUP HOLDINGS, LTD., JP

[85] 2017-10-23
[86] 2016-03-29 (PCT/JP2016/060136)
[87] (WO2016/185804)
[30] JP (2015-103840) 2015-05-21

[21] **2,983,720**
[13] A1

[51] **Int.Cl. C23C 14/06 (2006.01) B23B 27/14 (2006.01)**

[25] EN

[54] **HARD COATING AND HARD COATING-COVERED MEMBER**

[54] **REVETEMENT DUR ET ELEMENT RECOUVERT DE REVETEMENT DUR**

[72] YAMAMOTO, KENJI, JP
[72] NII, HIROAKI, JP
[72] FOX-RABINOVICH, GERMAN, CA
[71] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBELCO STEEL, LTD.), JP

[85] 2017-10-23
[86] 2016-04-25 (PCT/JP2016/062930)
[87] (WO2016/181813)
[30] JP (2015-097299) 2015-05-12

[21] **2,983,721**
[13] A1

[51] **Int.Cl. C07D 213/69 (2006.01) A61K 31/4412 (2006.01) A61K 31/505 (2006.01) A61K 31/506 (2006.01) A61K 31/53 (2006.01) A61K 31/5377 (2006.01) A61P 1/02 (2006.01) A61P 1/04 (2006.01) A61P 1/16 (2006.01) A61P 1/18 (2006.01) A61P 3/10 (2006.01) A61P 9/10 (2006.01) A61P 11/00 (2006.01) A61P 11/06 (2006.01) A61P 11/08 (2006.01) A61P 13/00 (2006.01) A61P 13/08 (2006.01) A61P 13/10 (2006.01) A61P 13/12 (2006.01) A61P 17/02 (2006.01) A61P 17/04**

(2006.01) A61P 17/06 (2006.01) A61P 19/02 (2006.01) A61P 19/08 (2006.01) A61P 19/10 (2006.01) A61P 21/02 (2006.01) A61P 25/00 (2006.01) A61P 25/04 (2006.01) A61P 25/08 (2006.01) A61P 25/14 (2006.01) A61P 25/16 (2006.01) A61P 25/18 (2006.01) A61P 25/20 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01) A61P 25/30 (2006.01) A61P 25/34 (2006.01) A61P 25/36 (2006.01) A61P 27/00 (2006.01) A61P 27/02 (2006.01) A61P 29/00 (2006.01) A61P 31/04 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 35/04 (2006.01) A61P 37/06 (2006.01) A61P 37/08 (2006.01) A61P 43/00 (2006.01) C07D 213/74 (2006.01) C07D 239/47 (2006.01) C07D 239/48 (2006.01) C07D 239/52 (2006.01) C07D 239/54 (2006.01) C07D 239/60 (2006.01) C07D 253/06 (2006.01) C07D 401/06 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01) C07D 405/12 (2006.01) C07D 409/06 (2006.01) C07D 409/12 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01)

[25] EN

[54] **6-MEMBERED HETEROCYCLIC DERIVATIVES AND PHARMACEUTICAL COMPOSITION COMPRISING THE SAME**

[54] **DERIVE HETEROCYCLIQUE A 6 CHAINONS ET COMPOSITION PHARMACEUTIQUE COMPRENANT CELUI-CI**

[72] TANAKA, SATORU, JP
[72] OGAWA, TOMOYUKI, JP
[72] KAI, HIROYUKI, JP
[72] OGATA, YUKI, JP
[72] HIRAI, KEIICHIRO, JP
[72] KUROSE, NORIYUKI, JP
[72] FUJII, YASUHIKO, JP
[71] SHIONOGI & CO., LTD., JP

[85] 2017-10-23
[86] 2016-04-22 (PCT/JP2016/062759)
[87] (WO2016/171249)
[30] JP (2015-089431) 2015-04-24
[30] JP (2015-127214) 2015-06-25

PCT Applications Entering the National Phase

[21] **2,983,722**
[13] A1

[51] **Int.Cl. G01N 23/04 (2006.01)**
[25] EN
[54] **IMAGE ACQUISITION DEVICE, IMAGE ACQUISITION METHOD, AND IMAGE CORRECTION PROGRAM**

[54] **DISPOSITIF D'ACQUISITION D'IMAGE, PROCEDE D'ACQUISITION D'IMAGE ET PROGRAMME DE CORRECTION D'IMAGE**

[72] MONKAWA, AKIRA, JP
[72] NAKANISHI, SHOICHI, JP
[72] ABE, SHINYA, JP
[71] TOKYO METROPOLITAN INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE, JP
[85] 2017-10-23
[86] 2016-06-03 (PCT/JP2016/066539)
[87] (WO2016/195058)
[30] JP (2015-115101) 2015-06-05

[21] **2,983,725**
[13] A1

[51] **Int.Cl. B23P 21/00 (2006.01) B64F 5/00 (2017.01) G05B 19/418 (2006.01)**
[25] EN
[54] **PRODUCTION FACILITY, PRODUCTION FACILITY DESIGN METHOD, PRODUCTION FACILITY CONTROL METHOD, AND MANUFACTURING METHOD**

[54] **INSTALLATION DE PRODUCTION, PROCEDE DE CONCEPTION D'INSTALLATION DE PRODUCTION, PROCEDE DE COMMANDE D'INSTALLATION DE PRODUCTION ET PROCEDE DE FABRICATION**

[72] HIRAI, MAKOTO, JP
[72] GOTO, TAKUYA, JP
[72] KANEKO, TSUYOSHI, JP
[72] NAKAMURA, KATSUMI, JP
[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[85] 2017-10-23
[86] 2016-07-12 (PCT/JP2016/070605)
[87] (WO2017/029912)
[30] JP (2015-162680) 2015-08-20

[21] **2,983,727**
[13] A1

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[25] EN
[54] **N-SUBSTITUTED NORIBOGAINE PRODRUGS**

[54] **PROMEDICAMENTS DE NORIBOGAINE N-SUBSTITUE**

[72] MASH, DEBORAH C., US
[71] DEMERX, INC., US
[85] 2017-10-23
[86] 2014-04-21 (PCT/US2014/034826)
[87] (WO2015/163844)

[21] **2,983,729**
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[25] EN
[54] **WIPER BLADE WITH IMPROVED WIPER STRIP**

[54] **BALAI D'ESSUIE-GLACE DOTE D'UNE RACLETTE D'ESSUIE-GLACE AMELIOREE**

[72] PEERS, ROBERT PETER, US
[72] KAWASHIMA, HIROSHI, US
[71] PYLON MANUFACTURING CORP., US
[85] 2017-10-23
[86] 2016-03-28 (PCT/US2016/024490)
[87] (WO2016/160687)
[30] US (62/139,383) 2015-03-27

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[13] A1

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[25] EN
[54] **FUNGAL DETECTION USING MANNAN EPITOPE**

[54] **DETECTION FONGIQUE A L'AIDE D'EPITOPE DE MANNANE**

[72] KOZEL, THOMAS R., US
[72] HUBBARD, BREEANA, US
[72] BURNHAM-MARUSICH, AMANDA, US
[71] BOARD OF REGENTS OF THE NEVADA SYSTEM OF HIGHER EDUCATION, ON BEHALF OF THE UNIVERSITY OF NEVADA, RENO, US
[85] 2017-10-23
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[87] (WO2016/172660)
[30] US (62/151,865) 2015-04-23

[21] **2,983,733**
[13] A1

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[25] EN
[54] **EXOTHERMIC REACTION WELDING MOLDS, WELD-METAL CONTAINING CARTRIDGES FOR SUCH MOLDS, AND METHODS OF USE**

[54] **MOULES DE SOUDURE PAR REACTION EXOTHERMIQUE, CARTOUCHES CONTENANT DU METAL D'APPORT POUR CES MOULES, ET PROCEDES D'UTILISATION**

[72] HOAGLAND, TIMOTHY CHARLES, US
[72] LEHMANN, TODD CARLTON, US
[72] ABEDRABOH, MAMOON TAWFIQ, US
[72] WU, XIAOCHEN, US
[71] HUBBELL INCORPORATED, US
[85] 2017-10-23
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[25] EN
[54] **IMPROVED WELDING ELECTRODE CAP**

[54] **COIFFE D'ELECTRODE DE SOUDAGE PERFECTIONNEE**

[72] PRUCHER, BRYAN, US
[71] PRUCHER, BRYAN, US
[85] 2017-10-23
[86] 2016-04-19 (PCT/US2016/028259)
[87] (WO2016/172090)
[30] US (62/151,682) 2015-04-23

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[54] **METHOD OF VIDEO ENHANCEMENT**
[54] **PROCEDE DE MODIFICATION D'UNE VIDEO**
[72] ALMEIDA, JOSE LUIS, MX
[72] SONABEND, ROBERTO, MX
[71] ALMEIDA, JOSE LUIS, MX
[71] PUBLICIDAD VIRTUAL, MX
[71] SONABEND, ROBERTO, MX
[71] CHENILLO, SAMUEL, US
[85] 2017-01-25
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[25] EN
[54] **METHOD OF SECURING CONNECTED DEVICES ON A NETWORK**
[54] **PROCEDE DE SECURISATION DE DISPOSITIFS CONNECTES SUR UN RESEAU**
[72] HOWARD, KELVAN, US
[71] VISA INTERNATIONAL SERVICE ASSOCIATION, US
[85] 2017-10-23
[86] 2016-04-25 (PCT/US2016/029190)
[87] (WO2016/176142)
[30] US (62/155,299) 2015-04-30

[21] **2,983,745**
[13] A1

[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROCESSING ITEMS FOR INTERNATIONAL DISTRIBUTION**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT D'ARTICLES POUR DISTRIBUTION INTERNATIONALE**
[72] YEAGER, TERESA Y., US
[72] WILLIAMS, ARNEECE L., US
[72] DHURIA, NEENA, US
[71] UNITED STATES POSTAL SERVICE, US
[85] 2017-10-23
[86] 2016-05-03 (PCT/US2016/030585)
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[13] A1

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[25] EN
[54] **INPUT/OUTPUT APPARATUS OF MULTIPLEXER, AND MULTIPLEXER**
[54] **DISPOSITIF D'ENTREE-SORTIE POUR MULTIPLEXEUR, ET MULTIPLEXEUR**
[72] ZHANG, XIAOFENG, CN
[72] QIU, LIXIA, CN
[72] CHEN, KE, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-10-24
[86] 2016-03-04 (PCT/CN2016/075607)
[87] (WO2016/173321)
[30] CN (201510214812.0) 2015-04-29

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[13] A1

[51] **Int.Cl. A41C 3/00 (2006.01) A41C 3/02 (2006.01) A41C 3/04 (2006.01)**
[25] EN
[54] **STRESS TEST BRA**
[54] **SOUTIEN-GORGE POUR EPREUVE D'EFFORT**
[72] ROSS, SHERYL, US
[72] DIXON, JENNIFER, US
[72] COHEN, JEANNE, US
[71] ROSS, SHERYL, US
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[86] 2016-04-25 (PCT/US2016/029248)
[87] (WO2016/172725)
[30] US (14/695,643) 2015-04-24

[21] **2,983,749**
[13] A1

[51] **Int.Cl. G06K 9/00 (2006.01) G06K 9/62 (2006.01)**
[25] EN
[54] **DEVICES, METHODS AND SYSTEMS FOR BIOMETRIC USER RECOGNITION UTILIZING NEURAL NETWORKS**
[54] **DISPOSITIFS, PROCEDES ET SYSTEMES DE RECONNAISSANCE BIOMETRIQUE D'UN UTILISATEUR A L'AIDE DE RESEAUX NEURONAUX**
[72] BRADSKI, GARY R., US
[71] MAGIC LEAP, INC., US
[85] 2017-10-23
[86] 2016-05-09 (PCT/US2016/031499)
[87] (WO2016/183020)
[30] US (62/159,593) 2015-05-11

[21] **2,983,757**
[13] A1

[51] **Int.Cl. A47J 37/07 (2006.01) F24B 1/191 (2006.01) F24B 3/00 (2006.01)**
[25] EN
[54] **A DISPOSABLE GRILL**
[54] **GRIL JETABLE**
[72] BROGGER, CARSTEN NYGAARD, DK
[72] FINKEN, KNUD HELLEK, DK
[71] NOVO FUTURA IVS, DK
[85] 2017-10-24
[86] 2015-04-29 (PCT/DK2015/050111)
[87] (WO2016/173597)

[21] **2,983,762**
[13] A1

[51] **Int.Cl. A61K 31/395 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01)**
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[54] **COMPOSITIONS FOR THE TREATMENT OF CANCER**
[54] **COMPOSITIONS POUR LE TRAITEMENT DU CANCER**
[72] POZNANSKY, MARK C., US
[72] REEVES, PATRICK, US
[71] THE GENERAL HOSPITAL CORPORATION, US
[85] 2017-10-23
[86] 2016-04-25 (PCT/US2016/029258)
[87] (WO2016/172730)
[30] US (62/152,815) 2015-04-24
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[51] **Int.Cl. A01N 43/66 (2006.01) A01N 57/20 (2006.01) A01P 13/00 (2006.01)**

[25] EN

[54] **HERBICIDE COMBINATIONS COMPRISING GLUFOSINATE AND INDAZIFLAM**

[54] **COMBINAISONS HERBICIDES COMPRENANT DU GLUFOSINATE ET DE L'INDAZIFLAME**

[72] OESER, JORG, DE
[72] GUR, PETRA, DE
[72] SCHWARZ, MICHAEL, US
[71] BAYER CROSCIENCE AKTIENGESELLSCHAFT, DE

[85] 2017-10-24
[86] 2016-04-25 (PCT/EP2016/059132)
[87] (WO2016/173966)
[30] EP (15165281.5) 2015-04-27
[30] US (62/293,489) 2016-02-10

[21] **2,983,764**
[13] A1

[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/00 (2006.01)**

[25] EN

[54] **ISOLATION OF BONA FIDE PANCREATIC PROGENITOR CELLS**

[54] **ISOLATION DE CELLULES PROGENITRICES PANCREATIQUES AUTHENTIQUES**

[72] AMERI, JACQUELINE, SE
[72] SEMB, HENRIK, SE
[71] UNIVERSITY OF COPENHAGEN, DK

[85] 2017-10-24
[86] 2016-04-21 (PCT/EP2016/058920)
[87] (WO2016/170069)
[30] EP (15164999.3) 2015-04-24

[21] **2,983,766**
[13] A1

[51] **Int.Cl. F16M 11/04 (2006.01) G03B 21/14 (2006.01)**

[25] EN

[54] **SHORT THROW PROJECTOR MOUNT WITH ADJUSTABLE SCREW DRIVE**

[54] **SUPPORT DE PROJECTEUR A COURTE PORTEE A ENTRAINEMENT DE VIS REGLABLE**

[72] SCHUH, MATHEW, US
[72] FROGNESS, HARLOW, US
[71] MILESTONE AV TECHNOLOGIES LLC, US

[85] 2017-10-23
[86] 2016-04-25 (PCT/US2016/029262)
[87] (WO2016/172732)
[30] US (62/151,789) 2015-04-23

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[51] **Int.Cl. G07C 3/14 (2006.01) B05B 12/00 (2006.01) B44D 3/00 (2006.01)**

[25] EN

[54] **INTEGRATED AND INTELLIGENT PAINT MANAGEMENT**

[54] **GESTION DE PEINTURE INTEGREE ET INTELLIGENTE**

[72] DATTILO, VINCENT P., US
[72] BEYER, CHARLES J., US
[72] DECKER, CHRISTIAN J., US
[72] RILEY, THOMAS M., US
[71] PPG INDUSTRIES OHIO, INC., US

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[86] 2016-04-21 (PCT/US2016/028599)
[87] (WO2016/172316)
[30] US (14/695,459) 2015-04-24

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[13] A1

[51] **Int.Cl. H01M 6/52 (2006.01) C22B 13/00 (2006.01) H01M 10/54 (2006.01)**

[25] EN

[54] **METHOD FOR THE TREATMENT OF USED BATTERIES, IN PARTICULAR RECHARGEABLE BATTERIES, AND BATTERY PROCESSING INSTALLATION**

[54] **PROCEDE DE MANIPULATION DE PILES USAGEES, EN PARTICULIER DE PILES RECHARGEABLES ET INSTALLATION DE MANIPULATION DE PILES**

[72] HANISCH, CHRISTIAN, DE
[72] WESTPHAL, BASTIAN, DE
[72] HASELRIEDER, WOLFGANG, DE
[72] SCHOENITZ, MARTIN, DE
[71] DUESENFELD GMBH, DE

[85] 2017-10-24
[86] 2016-04-28 (PCT/EP2016/059526)
[87] (WO2016/174156)
[30] DE (10 2015 207 843.4) 2015-04-28

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[13] A1

[51] **Int.Cl. A61K 31/535 (2006.01)**

[25] EN

[54] **NOVEL USE OF ARYL-QUINOLIN DERIVATIVES AS INHIBITORS OF VASCULOGENIC MIMICRY**

[54] **NOUVELLE UTILISATION DE DERIVES ARYL-QUINOLEINE COMME INHIBITEURS DE L'IMITATION DE FACTEURS VASCULOGENES**

[72] CHIEN, DU-SHIENG, US
[72] CHU, YI-WEN, TW
[71] TAIRX, INC., CN

[85] 2017-10-23
[86] 2016-06-02 (PCT/US2016/035441)
[87] (WO2016/196742)
[30] US (62/170,425) 2015-06-03

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[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/18 (2006.01) C07K 16/46 (2006.01)**

[25] EN

[54] **ANTI-FCRN ANTIBODIES**

[54] **ANTICORPS ANTI-FCRN**

[72] BHATTA, PALLAVI, GB

[72] DAVE, EMMA, GB

[72] HEYWOOD, SAM PHILIP, GB

[72] HUMPHREYS, DAVID PAUL, GB

[72] SMITH, BRYAN JOHN, GB

[71] UCB BIOPHARMA SPRL, BE

[85] 2017-10-24

[86] 2016-05-09 (PCT/EP2016/060305)

[87] (WO2016/180765)

[30] GB (1508180.5) 2015-05-13

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[13] A1

[51] **Int.Cl. A61B 5/024 (2006.01) A61B 5/02 (2006.01) A61B 5/0245 (2006.01) A61B 5/0295 (2006.01) A61B 5/145 (2006.01) A61B 5/1455 (2006.01)**

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[54] **HEALTH MONITORING SYSTEMS AND METHODS**

[54] **SYSTEMES ET METHODES DE SURVEILLANCE DE LA SANTE**

[72] MOYER, DANIEL VAN ZANDT, US

[72] GOLDA, GEORGE STEFAN, US

[72] MARRIOTT, MARK P., US

[72] ELETR, SAM, US

[72] O'NEIL, BRUCE, US

[71] RHYTHM DIAGNOSTIC SYSTEMS, INC., US

[85] 2017-10-23

[86] 2016-06-24 (PCT/US2016/039374)

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[30] US (62/185,321) 2015-06-26

[30] US (62/256,606) 2015-11-17

[21] **2,983,772**
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[51] **Int.Cl. F16K 3/316 (2006.01) F16K 3/02 (2006.01) F16K 3/18 (2006.01) F16K 25/00 (2006.01)**

[25] EN

[54] **PARALLEL SLIDE GATE VALVES AND RELATED METHODS**

[54] **ROBINETS-VANNES A SIEGES PARALLELES ET PROCEDES ASSOCIES**

[72] GRADLE, RICHARD J., US

[71] FLOWSERVE MANAGEMENT COMPANY, US

[85] 2017-10-23

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[87] (WO2016/172347)

[30] US (14/696,321) 2015-04-24

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[13] A1

[51] **Int.Cl. C22B 1/10 (2006.01) C22B 11/00 (2006.01) C22B 15/00 (2006.01) C22B 23/00 (2006.01)**

[25] EN

[54] **METHOD FOR PARTIAL ROASTING OF COPPER AND/OR GOLD BEARING CONCENTRATES**

[54] **PROCEDE DE GRILLAGE PARTIEL DE CONCENTRES CONTENANT DU CUIVRE ET/OU DE L'OR**

[72] CHARITOS, ALEXANDROS, DE

[72] GUNTNER, JOCHEN, DE

[72] BUCHMANN, MARKUS, DE

[72] HAMMERSCHMIDT, JORG, DE

[72] KUNSCH, MARTIN, CH

[72] WROBEL, MACIEJ, DE

[72] MATTICH, CHRISTIAN, DE

[71] OUTOTEC (FINLAND) OY, FI

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[87] (WO2016/180624)

[30] DE (10 2015 107 435.4) 2015-05-12

[21] **2,983,775**
[13] A1

[51] **Int.Cl. E21B 41/00 (2006.01) B65G 5/00 (2006.01) E21B 47/10 (2012.01)**

[25] FR

[54] **FACILITY FOR MONITORING GEOLOGICAL GAS STORAGE SITES**

[54] **INSTALLATION POUR LA SURVEILLANCE DE SITES DE STOCKAGE GEOLOGIQUE DE GAZ**

[72] GARCIA, BRUNO, FR

[72] ROUCHON, VIRGILE, FR

[72] CEREP, ADRIAN, FR

[72] LOISY, CORINNE, FR

[72] LE ROUX, OLIVIER, FR

[72] RILLARD, JEAN, FR

[72] BERTRAND, CLAUDE, FR

[72] WILLEQUET, OLIVIER, FR

[71] IFP ENERGIES NOUVELLES, FR

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[86] 2016-04-26 (PCT/EP2016/059316)

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[30] FR (1553999) 2015-05-05

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[13] A1

[51] **Int.Cl. C12N 9/04 (2006.01) C12N 9/00 (2006.01) C12N 9/02 (2006.01) C12N 9/16 (2006.01) C12N 15/81 (2006.01) C12P 7/06 (2006.01)**

[25] EN

[54] **ACETATE CONSUMING YEAST CELL**

[54] **CELLULE DE LEVURE CONSOMMANT DE L'ACETATE**

[72] KLAASSEN, PAUL, NL

[72] SCHMITZ, JOZEF PETRUS JOHANNES, NL

[72] DE WAAL, PAULUS PETRUS, NL

[72] BOUMA, ARJEN, NL

[71] DSM IP ASSETS N.V., NL

[85] 2017-10-24

[86] 2016-05-18 (PCT/EP2016/061099)

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[30] EP (15168833.0) 2015-05-22

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[13] A1

[51] **Int.Cl. F16L 37/092 (2006.01) F16L 37/23 (2006.01)**
[25] EN
[54] **SINGLE ACTION PUSH TO CONNECT CONDUIT FITTING WITH COLLETING**
[54] **RACCORD INSTANTANE A SIMPLE ACTION POUR CONDUIT COMPRENANT UNE COLLERETTE**
[72] WILLIAMS, PETER C., US
[72] BROWN, CAL R., US
[72] GOTCH, JAMES E., US
[72] DORONY, CONNOR M., US
[72] ZABORSZKI, STEPHEN J., US
[72] MCCLURE, DOUGLAS J., US
[72] WELCH, DOUGLAS S., US
[72] KALATA, GREGORY S., US
[72] CAMPBELL, RONALD P., US
[71] SWAGELOK COMPANY, US
[85] 2017-10-23
[86] 2016-04-22 (PCT/US2016/028741)
[87] (WO2016/172408)
[30] US (62/151,465) 2015-04-23

[21] **2,983,778**
[13] A1

[51] **Int.Cl. D21F 1/32 (2006.01) B05B 15/10 (2006.01) D21F 7/00 (2006.01) D21H 23/50 (2006.01)**
[25] EN
[54] **SPRAYING APPARATUS AND CHEMICAL SOLUTION**
[54] **DISPOSITIF DE PULVERISATION ET SOLUTION CHIMIQUE**
[72] SEKIYA, HIROSHI, JP
[72] MORI, HIDEAKI, JP
[71] MAINTECH CO., LTD., JP
[85] 2017-10-24
[86] 2016-04-05 (PCT/JP2016/001918)
[87] (WO2016/174827)
[30] JP (2015-090883) 2015-04-27

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[13] A1

[51] **Int.Cl. B66D 1/28 (2006.01)**
[25] EN
[54] **LIFTING DEVICE, IN PARTICULAR A CABLE WINCH**
[54] **EQUIPEMENT DE LEVAGE, EN PARTICULIER CABLE DE TRANSMISSION**
[72] MOLL, OLIVER, DE
[72] UZUN, AHMET, DE
[71] TEREX MHPS GMBH, DE
[85] 2017-10-24
[86] 2016-05-25 (PCT/EP2016/061819)
[87] (WO2016/189043)
[30] DE (10 2015 108 265.9) 2015-05-26

[21] **2,983,781**
[13] A1

[51] **Int.Cl. A61F 2/46 (2006.01) A61F 2/30 (2006.01) A61F 2/34 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR INSERTING A LINER INTO AN ACETABULAR CUP**
[54] **DISPOSITIF ET PROCEDE PERMETTANT D'INSERER UNE GARNITURE DANS UNE COUPELLE ACETABULAIRE**
[72] BAILEY, ANDREW, GB
[72] MOORE, GARY, GB
[71] DEPUY IRELAND UNLIMITED COMPANY, IE
[85] 2017-10-24
[86] 2016-04-27 (PCT/EP2016/059371)
[87] (WO2016/174067)
[30] GB (1507211.9) 2015-04-28

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[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/407 (2006.01) A61P 27/02 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **BICYCLIC COMPOUNDS AS ATX INHIBITORS**
[54] **COMPOSES BICYCLIQUES UTILISES EN TANT QU'INHIBITEURS D'ATX**
[72] DI GIORGIO, PATRICK, CH
[72] HERT, JEROME, CH
[72] HUNZIKER, DANIEL, CH
[72] MATTEI, PATRIZIO, CH
[72] RUDOLPH, MARKUS, CH
[72] SCHMITZ, PETRA, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2017-10-24
[86] 2016-09-20 (PCT/EP2016/072243)
[87] (WO2017/050732)
[30] EP (15186645.6) 2015-09-24

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[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 38/20 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING ANAKINRA**
[54] **COMPOSITIONS COMPRENANT DE L'ANAKINRA**
[72] FLORIN-ROBERTSSON, EBBA, SE
[72] FRANSSON, JONAS, SE
[72] MOORE, BARRY D., GB
[71] SWEDISH ORPHAN BIOVITRUM AB (PUBL), SE
[85] 2017-10-24
[86] 2016-04-27 (PCT/EP2016/059398)
[87] (WO2016/174082)
[30] EP (15165421.7) 2015-04-28

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[21] **2,983,785**
[13] A1

[51] **Int.Cl. C08L 53/00 (2006.01) B32B 27/30 (2006.01) C08F 297/02 (2006.01) C08K 5/10 (2006.01) C08K 5/521 (2006.01) C08L 63/00 (2006.01) C08L 67/00 (2006.01)**

[25] EN
[54] **LAMINATING ACRYLIC THERMOPLASTIC POLYMER COMPOSITIONS**
[54] **COMPOSITION DE POLYMERE THERMOPLASTIQUE ACRYLIQUE POUR STRATIFICATION**

[72] NAKADA, KANAYO, JP
[72] MORISHITA, YOSHIHIRO, JP
[72] OSHIMA, HIROSHI, JP
[71] KURARAY CO., LTD., JP
[85] 2017-10-24
[86] 2016-04-21 (PCT/JP2016/062610)
[87] (WO2016/175119)
[30] JP (2015-091629) 2015-04-28
[30] JP (2015-091630) 2015-04-28

[21] **2,983,787**
[13] A1

[51] **Int.Cl. E21B 34/14 (2006.01) E21B 21/10 (2006.01) E21B 34/06 (2006.01)**

[25] EN
[54] **DOWNHOLE SEALING**
[54] **ETANCHEITE EN PROFONDEUR DE FORAGE**

[72] CHURCHILL, ANDREW PHILIP, GB
[71] CHURCHILL DRILLING TOOLS LIMITED, GB
[85] 2017-10-24
[86] 2016-04-29 (PCT/GB2016/051246)
[87] (WO2016/178004)
[30] GB (1507560.9) 2015-05-01
[30] GB (1521975.1) 2015-12-14

[21] **2,983,788**
[13] A1

[51] **Int.Cl. C07D 295/14 (2006.01) C07C 227/04 (2006.01) C07C 227/42 (2006.01) C07C 229/48 (2006.01) C07C 229/52 (2006.01) C07D 227/04 (2006.01) A61K 31/4453 (2006.01) A61P 3/00 (2006.01) C07B 61/00 (2006.01) C07C 227/08 (2006.01)**

[25] EN
[54] **METHOD FOR PRODUCING DICARBOXYLIC ACID COMPOUND**
[54] **PROCEDE DE PRODUCTION D'UN COMPOSE D'ACIDE DICARBOXYLIQUE**

[72] MURAKAMI, MASAYUKI (DECEASED), JP
[72] AKI, YUICHI, JP
[72] FUKATSU, DAISUKE, JP
[72] KIMURA, KENICHI, JP
[72] MICHIDA, MAKOTO, JP
[72] HAMAOKA, KOJI, JP
[71] DAICHI SANKYO COMPANY, LIMITED, JP
[85] 2017-10-24
[86] 2016-04-22 (PCT/JP2016/062717)
[87] (WO2016/171240)
[30] JP (2015-088932) 2015-04-24

[21] **2,983,790**
[13] A1

[51] **Int.Cl. B23P 19/00 (2006.01) B23P 19/04 (2006.01) B25J 13/08 (2006.01) G01B 11/00 (2006.01)**

[25] EN
[54] **ASSEMBLY MANUFACTURING APPARATUS AND ASSEMBLY MANUFACTURING METHOD**
[54] **APPAREIL ET PROCEDE D'ASSEMBLAGE ET DE FABRICATION**

[72] TOMBE, TOSHIHIRO, JP
[72] GOTO, NAOKI, JP
[72] HIRAI, MAKOTO, JP
[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[85] 2017-10-24
[86] 2016-07-11 (PCT/JP2016/070379)
[87] (WO2017/073116)
[30] JP (2015-212038) 2015-10-28

[21] **2,983,791**
[13] A1

[51] **Int.Cl. A61K 31/12 (2006.01) A23K 20/10 (2016.01) A23K 50/75 (2016.01) A61K 31/045 (2006.01) A61P 1/00 (2006.01) A61P 31/04 (2006.01)**

[25] EN
[54] **OXIDIZED CAROTENOIDS AND COMPONENTS THEREOF FOR PREVENTING NECROTIC ENTERITIS**
[54] **CAROTENOIDES OXYDES ET LEURS COMPOSANTS POUR LA PREVENTION DE L'ENTERITE NECROSANTE**

[72] BURTON, GRAHAM W., CA
[72] DAROSZEWSKI, JANUSZ, CA
[72] GROOME, CAMERON L., CA
[72] NICKERSON, JAMES G., CA
[72] RILEY, WILLIAM W., CA
[71] AVIVAGEN INC., CA
[85] 2017-10-24
[86] 2016-03-02 (PCT/CA2016/050226)
[87] (WO2016/172787)
[30] US (62/153,587) 2015-04-28

[21] **2,983,792**
[13] A1

[51] **Int.Cl. G02B 21/00 (2006.01) G01N 21/27 (2006.01)**

[25] EN
[54] **MICROSCOPE DEVICE**
[54] **DISPOSITIF MICROSCOPE**

[72] SUGANUMA, HIROSHI, JP
[72] OKUNO, TAKUYA, JP
[72] OKINA, YUNA, JP
[72] MOTOMURA, ASAKO, JP
[72] SUGIYAMA, YOKO, JP
[71] SUMITOMO ELECTRIC INDUSTRIES, LTD., JP
[85] 2017-10-24
[86] 2016-03-22 (PCT/JP2016/059005)
[87] (WO2016/174963)
[30] JP (2015-093072) 2015-04-30

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[21] **2,983,793**
[13] A1

[51] **Int.Cl. E21B 29/00 (2006.01) E21B 7/06 (2006.01) E21B 29/06 (2006.01)**
[25] EN
[54] **CASING EXIT MILL ASSEMBLIES WITH REPLACEABLE BLADE SLEEVE**
[54] **ENSEMBLES BROYEURS A SORTIE DE TUBAGE COMPRENANT UN MANCHON A LAME REMPLACABLE**
[72] GHEGADMAL, TEJAS J., US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2017-10-23
[86] 2016-04-27 (PCT/US2016/029449)
[87] (WO2016/176259)
[30] US (14/698,320) 2015-04-28

[21] **2,983,794**
[13] A1

[51] **Int.Cl. A61K 38/16 (2006.01) A61K 35/14 (2015.01) A61K 38/00 (2006.01) C07K 1/00 (2006.01) C07K 14/00 (2006.01) C07K 16/00 (2006.01) C07K 17/00 (2006.01)**
[25] EN
[54] **METHODS TO MANIPULATE ALPHA-FETOPROTEIN (AFP)**
[54] **PROCEDES DE MANIPULATION DE L'ALPHA-F \square TOPROTEINE (AFP)**
[72] BLUMBERG, RICHARD, US
[72] BAKER, KRISTI, CA
[72] PYZIK, MICHAL, US
[72] GANDHI, AMIT, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[85] 2017-10-24
[86] 2015-04-21 (PCT/US2015/026860)
[87] (WO2015/164364)
[30] US (61/984,252) 2014-04-25
[30] US (62/101,539) 2015-01-09

[21] **2,983,796**
[13] A1

[51] **Int.Cl. G01N 33/53 (2006.01) C12Q 1/68 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING SUBJECTS WITH IMMUNE-MEDIATED DISEASES**
[54] **COMPOSITIONS ET DES PROCEDES POUR TRAITER DES PATIENTS AYANT DES MALADIES A MEDIATION IMMUNITAIRE**
[72] BLUMBERG, RICHARD S., US
[72] BAKER, KRISTI, CA
[72] RATH, TIMO, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[85] 2017-10-24
[86] 2015-04-23 (PCT/US2015/027295)
[87] (WO2015/164605)
[30] US (61/984,652) 2014-04-25

[21] **2,983,797**
[13] A1

[51] **Int.Cl. G06F 12/08 (2016.01) G06F 12/10 (2016.01)**
[25] EN
[54] **MULTI-THREADED TRANSLATION AND TRANSACTION RE-ORDERING FOR MEMORY MANAGEMENT UNITS**
[54] **TRADUCTION MULTIFILS ET REORDONNANCEMENT DE TRANSACTIONS POUR DES UNITES DE GESTION DE MEMOIRE**
[72] PODAIMA, JASON EDWARD, US
[72] WIERCIENSKI, PAUL CHRISTOPHER JOHN, US
[72] MOREIRA, CARLOS JAVIER, US
[72] MIRETSKY, ALEXANDER, US
[72] VARIA, MEGHAL, US
[72] ERNEWEIN, KYLE JOHN, US
[72] SOMASUNDARAM, MANOKANTHAN, US
[72] CHOUDRY, MUHAMMAD UMAR, US
[72] GADELRAB, SERAG MONIER, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-10-23
[86] 2016-04-27 (PCT/US2016/029502)
[87] (WO2016/195850)
[30] US (62/168,712) 2015-05-29
[30] US (14/859,351) 2015-09-20

[21] **2,983,799**
[13] A1

[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **BENCHMARKING THROUGH DATA MINING**
[54] **ETALONNAGE PAR EXPLORATION DE DONNEES**
[72] MOLE, TIM, NZ
[72] ANDERSON, GRANT, NZ
[71] XERO LIMITED, US
[85] 2017-10-24
[86] 2015-05-20 (PCT/US2015/031695)
[87] (WO2016/175869)
[30] US (14/696,925) 2015-04-27

[21] **2,983,800**
[13] A1

[51] **Int.Cl. G06F 9/46 (2006.01) G06F 9/48 (2006.01) G06F 11/07 (2006.01)**
[25] EN
[54] **BANDWIDTH/RESOURCE MANAGEMENT FOR MULTITHREADED PROCESSORS**
[54] **GESTION DE LARGEUR DE BANDE/RESSOURCES POUR PROCESSEURS MULTIFILIERES**
[72] GADELRAB, SERAG MONIER, US
[72] KOOB, CHRISTOPHER EDWARD, US
[72] BOOTH, SIMON, US
[72] BALATSOS, ARIS, US
[72] KUAN, JOHNNY JONE WAI, US
[72] RAMKUMAR, MYIL, US
[72] PABLA, BHUPINDER SINGH, US
[72] SWEENEY, SEAN DAVID, US
[72] PATSILARAS, GEORGE, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-10-23
[86] 2016-04-27 (PCT/US2016/029530)
[87] (WO2016/195851)
[30] US (62/168,708) 2015-05-29
[30] US (14/866,012) 2015-09-25

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[21] **2,983,804**
[13] A1

[51] **Int.Cl. B01F 3/08 (2006.01) B82Y 40/00 (2011.01) B01F 5/00 (2006.01) B81B 1/00 (2006.01)**

[25] EN

[54] **DISPOSABLE MICROFLUIDIC CARTRIDGE**

[54] **CARTOUCHE MICROFLUIDIQUE JETABLE**

[72] WILD, ANDRE, CA

[72] LEAVER, TIMOTHY, CA

[72] WALSH, COLIN, US

[72] HEUCK, GESINE, CA

[72] THOMAS, ANITHA, CA

[72] ANSARI, AYSHA, CA

[72] OU, KEVIN, CA

[72] TAYLOR, R. JAMES, CA

[72] RAMSEY, EUAN, CA

[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA

[85] 2017-10-23

[86] 2016-04-28 (PCT/US2016/029879)

[87] (WO2016/176505)

[30] US (62/154,043) 2015-04-28

[30] US (62/275,630) 2016-01-06

[21] **2,983,805**
[13] A1

[51] **Int.Cl. G01N 27/00 (2006.01) G01N 27/62 (2006.01) G01N 27/64 (2006.01) G01N 30/96 (2006.01)**

[25] EN

[54] **DOPANTS FOR THE DETECTION OF NITRATES**

[54] **DOPANTS POUR LA DETECTION DE NITRATES**

[72] HENDRIKSE, JAN, CA

[72] ROMANOV, VLADIMIR, CA

[72] VERKERK, UDO, CA

[72] HOPKINSON, ALAN, CA

[71] SMITHS DETECTION MONTREAL INC., CA

[85] 2017-10-24

[86] 2016-04-28 (PCT/IB2016/052408)

[87] (WO2016/174605)

[30] GB (1507246.5) 2015-04-28

[21] **2,983,806**
[13] A1

[51] **Int.Cl. G01N 1/04 (2006.01) G01N 1/10 (2006.01) G01N 21/01 (2006.01) G01N 21/63 (2006.01) G01N 27/00 (2006.01)**

[25] EN

[54] **PORTABLE ORGANIC MOLECULAR SENSING DEVICE AND RELATED SYSTEMS AND METHODS**

[54] **DISPOSITIF PORTABLE DE DETECTION MOLECULAIRE ORGANIQUE ET SYSTEMES ET PROCEDES ASSOCIES**

[72] WOLTER, HEINZ, CA

[72] LEYN, ALEXANDER, CA

[72] FISHER, MICHAEL, CA

[72] BORG, ERIK HELGE, SE

[72] OSUCH, CHRISTOPHER, CA

[72] VILK, GREGORY JOHN ADAMS, CA

[72] WRIGHT, EVAN, CA

[72] BLANCHARD, DARIAN, CA

[71] ATERICA INC., CA

[85] 2017-10-24

[86] 2016-04-28 (PCT/CA2016/050492)

[87] (WO2016/172800)

[30] US (62/153,922) 2015-04-28

[21] **2,983,807**
[13] A1

[51] **Int.Cl. E21B 33/138 (2006.01) C04B 40/06 (2006.01) E21B 33/13 (2006.01) E21B 33/14 (2006.01) E21B 34/10 (2006.01)**

[25] EN

[54] **FLUID COMMUNICATION WITH AN EARTH FORMATION THROUGH CEMENT**

[54] **COMMUNICATION FLUIDIQUE AVEC UNE FORMATION SOUTERRAINE A TRAVERS DU CIMENT**

[72] WATSON, BROCK W., US

[72] SCHULTZ, ROGER L., US

[72] FERGUSON, ANDREW M., US

[71] THRU TUBING SOLUTIONS, INC., US

[85] 2017-10-23

[86] 2016-04-29 (PCT/US2016/030107)

[87] (WO2016/178995)

[30] US (14/705,688) 2015-05-06

[21] **2,983,808**
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) A01N 63/00 (2006.01) C12N 15/00 (2006.01)**

[25] EN

[54] **SMAD7 GENE DELIVERY AS A THERAPEUTIC**

[54] **LIBERATION DE GENE SMAD7 EN TANT QU'AGENT THERAPEUTIQUE**

[72] RODGERS, BUEL DANTESE, US

[72] GREGOREVIC, PAUL, AU

[71] WASHINGTON STATE UNIVERSITY, US

[71] BAKER HEART AND DIABETES INSTITUTE, AU

[85] 2017-10-23

[86] 2016-04-22 (PCT/US2016/029018)

[87] (WO2016/172608)

[30] US (62/151,547) 2015-04-23

[21] **2,983,809**
[13] A1

[51] **Int.Cl. B29C 63/02 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR APPLICATION OF THERMOSETTING TAPE ON SURFACES**

[54] **PROCEDE ET APPAREIL POUR L'APPLICATION D'UN RUBAN ADHESIF THERMOCOLLANT SUR DES SURFACES**

[72] MARTIN, YVES, CA

[72] HOULE, CLAUDE, CA

[72] LONGPRE, YANNICK, CA

[72] NADEAU, NICOLAS, CA

[71] MI INTEGRATION S.E.N.C., CA

[85] 2017-10-24

[86] 2016-09-20 (PCT/CA2016/051099)

[87] (WO2017/049390)

[30] US (62/221,175) 2015-09-21

[21] **2,983,810**
[13] A1

[51] **Int.Cl. G03G 21/14 (2006.01) B41J 2/175 (2006.01) G06F 3/12 (2006.01)**

[25] EN

[54] **IMAGING SUPPLIES**

[54] **SOURCES DE FORMATION D'IMAGE**

[72] JERAN, PAUL, US

[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US

[85] 2017-10-24

[86] 2015-07-31 (PCT/US2015/043248)

[87] (WO2017/023273)

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[21] **2,983,811**
[13] A1

[51] **Int.Cl. E21B 43/12 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **AUTONOMOUS FLOW CONTROL DEVICE AND METHOD FOR CONTROLLING FLOW**
[54] **DISPOSITIF DE REGULATION D'ECOULEMENT AUTONOME ET PROCEDE DE REGULATION D'ECOULEMENT**
[72] GONZALEZ, JOSE RAFAEL, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2017-10-24
[86] 2016-03-29 (PCT/US2016/024643)
[87] (WO2016/175965)
[30] US (14/699,444) 2015-04-29

[21] **2,983,812**
[13] A1

[51] **Int.Cl. A61L 15/22 (2006.01) A61L 31/00 (2006.01) C08J 5/18 (2006.01)**
[25] EN
[54] **POLYMER FILM, AND DISPERSION LIQUID AND AGGLOMERATE USING SAME**
[54] **FILM POLYMERE, ET DISPERSION LIQUIDE ET AGGLOMERAT UTILISANT CELUI-CI**
[72] HOCHI, MOTONORI, JP
[72] SEKIDO, YUKI, JP
[72] ITAGAKI, ICHIRO, JP
[72] ARAKANE, TORU, JP
[72] OHTSUBO, SHINYA, JP
[72] TAKEOKA, SHINJI, JP
[72] MURATA, ATSUSHI, JP
[72] FUJII, MAO, JP
[72] ISHIZUKA, YUYA, JP
[72] SHOJI, SHUICHI, JP
[72] MIZUNO, JUN, JP
[72] KASAHARA, TAKASHI, JP
[71] TORAY INDUSTRIES, INC., JP
[71] NANOTHETA CO, LTD., JP
[85] 2017-10-24
[86] 2016-05-11 (PCT/JP2016/063946)
[87] (WO2016/181977)
[30] JP (2015-096305) 2015-05-11

[21] **2,983,813**
[13] A1

[51] **Int.Cl. G10L 19/08 (2013.01)**
[25] EN
[54] **AUDIO ENCODER AND METHOD FOR ENCODING AN AUDIO SIGNAL**
[54] **CODEUR AUDIO ET PROCEDE DE CODAGE D'UN SIGNAL AUDIO**
[72] BAECKSTROEM, TOM, DE
[72] JOKINEN, EMMA, FI
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUND DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2017-09-29
[86] 2016-04-06 (PCT/EP2016/057514)
[87] (WO2016/162375)
[30] EP (15163055.5) 2015-04-09

[21] **2,983,814**
[13] A1

[51] **Int.Cl. H01M 4/96 (2006.01) D04H 1/4242 (2012.01) H01M 4/86 (2006.01) H01M 4/88 (2006.01) H01M 8/10 (2016.01)**
[25] EN
[54] **GAS DIFFUSION ELECTRODE SUBSTRATE AND METHOD FOR MANUFACTURING SAME, GAS DIFFUSION ELECTRODE, MEMBRANE ELECTRODE ASSEMBLY, AND POLYMER ELECTROLYTE FUEL CELL**
[54] **SUBSTRAT D'ELECTRODE DE DIFFUSION DE GAZ ET PROCEDE PERMETTANT DE FABRIQUER CE DERNIER, ELECTRODE DE DIFFUSION DE GAZ, ENSEMBLE MEMBRANE-ELECTRODE ET PILE A COMBUSTIBLE A POLYMERESOLIDE**
[72] KAJIWARA, KENTARO, JP
[72] SHIMOYAMA, SATORU, JP
[72] HORINOUCI, AYANOBU, JP
[72] Horiguchi, TOMOYUKI, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2017-10-24
[86] 2016-05-27 (PCT/JP2016/065725)
[87] (WO2016/208324)
[30] JP (2015-128653) 2015-06-26

[21] **2,983,815**
[13] A1

[51] **Int.Cl. E02B 9/00 (2006.01) E02B 9/02 (2006.01) E02B 9/08 (2006.01)**
[25] EN
[54] **CONSTRUCTION METHOD FOR TIDAL POWER GENERATION SYSTEM CAPABLE OF MULTIPLE-FLOW POWER GENERATION FROM INSTALLATION OF UNIFLOW GENERATOR**
[54] **PROCEDE DE CONSTRUCTION POUR SYSTEME DE GENERATION D'ENERGIE MAREMOTRICE POUVANT GENERER DE L'ENERGIE A FLUX MULTIPLES A PARTIR D'INSTALLATION DE GENERATEUR DE FLUX UNIQUE**
[72] PARK, SUN SEOK, KR
[71] HAE YANG BOKLUBALJERN, LP, KR
[85] 2017-10-24
[86] 2016-05-18 (PCT/KR2016/005260)
[87] (WO2016/186446)
[30] KR (10-2015-0070188) 2015-05-20
[30] KR (10-2016-0059359) 2016-05-16

[21] **2,983,817**
[13] A1

[51] **Int.Cl. B25B 13/46 (2006.01) B25B 13/06 (2006.01) B25B 23/00 (2006.01)**
[25] EN
[54] **RATCHET WRENCH WITH A LOCKING RELEASE ASSEMBLY**
[54] **CLE A CLIQUET DOTEE D'UN ENSEMBLE DE LIBERATION DE VERROUILLAGE**
[72] MOREAU, DARRELL A., US
[72] MOREAU, ANDRE W., US
[72] MOREAU, REGINALD, US
[72] BACHMAN, BEN, US
[71] TY-FLOT, INC., US
[85] 2017-10-24
[86] 2016-04-15 (PCT/US2016/027826)
[87] (WO2016/172007)
[30] US (14/695,383) 2015-04-24

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[21] **2,983,819**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01) C12P 19/34 (2006.01)**

[25] EN

[54] **AMPLIFICATION WITH PRIMERS OF LIMITED NUCLEOTIDE COMPOSITION**

[54] **AMPLIFICATION AVEC DES AMORCES DE COMPOSITION NUCLEOTIDIQUE LIMITEE**

[72] WANG, YOUXIANG, US
[72] YANG, ZHIJIE, US
[72] CHEN, XIN, US
[71] ATILA BIOSYSTEMS, INC, US
[85] 2017-10-24
[86] 2016-04-22 (PCT/US2016/029054)
[87] (WO2016/172632)
[30] US (62/152,756) 2015-04-24

[21] **2,983,820**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01) G01N 33/574 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR THE DETECTION OF CALR MUTATIONS IN MYELOPROLIFERATIVE DISEASES**

[54] **PROCEDES ET COMPOSITIONS UTILISABLES POUR LA DETECTION DE MUTATIONS AFFECTANT LE GENE CALR DANS LES MALADIES MYELOPROLIFERATIVES**

[72] WANG, YONGBAO, US
[72] JONES, DANIEL, US
[71] QUEST DIAGNOSTICS INVESTMENTS INCORPORATED, US
[85] 2017-10-23
[86] 2016-04-22 (PCT/US2016/028877)
[87] (WO2016/172505)
[30] US (62/151,742) 2015-04-23

[21] **2,983,821**
[13] A1

[51] **Int.Cl. C12M 1/02 (2006.01)**

[25] EN

[54] **DEVICES FOR SIMULATING A FUNCTION OF A TISSUE AND METHODS OF USE AND MANUFACTURING THEREOF**

[54] **DISPOSITIFS DE SIMULATION D'UNE FONCTION D'UN TISSU ET LEURS PROCEDES D'UTILISATION ET FABRICATION**

[72] INGBER, DONALD E., US
[72] VAN DER MEER, ANDRIES, NL
[72] HERLAND, ANNA, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2017-10-24
[86] 2016-04-25 (PCT/US2016/029164)
[87] (WO2017/003546)
[30] US (62/152,355) 2015-04-24
[30] US (62/299,340) 2016-02-24

[21] **2,983,822**
[13] A1

[51] **Int.Cl. A61L 15/16 (2006.01) A61F 13/02 (2006.01) A61F 13/36 (2006.01) A61L 15/22 (2006.01) A61M 1/00 (2006.01)**

[25] EN

[54] **WOUND PACKING MATERIAL COMPRISING CHEMOEFFECTOR**

[54] **MATERIAU A APPLIQUER SUR DES PLAIES COMPRENANT UN CHIMIOEFFECTEUR**

[72] KUBEK, EDWARD W., US
[71] CHEMOKIND, INC., US
[85] 2017-10-24
[86] 2016-04-25 (PCT/US2016/029217)
[87] (WO2016/176147)
[30] US (62/152,871) 2015-04-25
[30] US (62/240,838) 2015-10-13

[21] **2,983,823**
[13] A1

[51] **Int.Cl. A61K 36/82 (2006.01) A61K 36/48 (2006.01)**

[25] EN

[54] **PLANT EXTRACTS FOR THE TREATMENT OF EXCESS WEIGHT AND OBESITY**

[54] **EXTRAITS VEGETAUX DESTINES AU TRAITEMENT DE L'EXCES PONDERAL ET DE L'OBESITE**

[72] BIRKETVEDT, GRETHE STOA, US
[71] TRU-SCIENCE, LLC, US
[85] 2017-10-24
[86] 2016-04-25 (PCT/US2016/029234)
[87] (WO2016/172717)
[30] US (62/152,567) 2015-04-24

[21] **2,983,825**
[13] A1

[51] **Int.Cl. G01B 3/10 (2006.01) B26B 29/00 (2006.01) B26B 29/06 (2006.01)**

[25] EN

[54] **TAPE MEASURE DEVICE AND ATTACHMENT FOR MEASURING AND CUTTING DRYWALL**

[54] **DISPOSITIF DE METRE RUBAN ET FIXATION POUR MESURER ET DECOUPER UNE CLOISON SECHE**

[72] DEUTSCHER, EDWARD, US
[71] DEUTSCHER, EDWARD, US
[85] 2017-10-24
[86] 2016-04-27 (PCT/US2016/029464)
[87] (WO2016/176269)
[30] US (14/696,602) 2015-04-27
[30] US (14/933,868) 2015-11-05

[21] **2,983,827**
[13] A1

[51] **Int.Cl. B03C 1/0355 (2006.01) B03C 1/14 (2006.01) B03C 1/28 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR CONDITIONING FLUIDS**

[54] **PROCEDE ET APPAREIL DE CONDITIONNEMENT DE FLUIDES**

[72] HOLLAND, HERBERT WILLIAM, US
[71] WILSA HOLDINGS, LLC, US
[85] 2017-10-24
[86] 2016-04-29 (PCT/US2016/030192)
[87] (WO2016/176611)
[30] US (62/154,974) 2015-04-30

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[21] **2,983,830**
[13] A1

[51] **Int.Cl. C02F 1/30 (2006.01) A01N 59/00 (2006.01) A01P 1/00 (2006.01) A23L 3/3454 (2006.01) A23L 3/358 (2006.01) A61F 2/08 (2006.01) B01J 13/00 (2006.01) B01J 19/12 (2006.01) C02F 1/50 (2006.01) C02F 1/76 (2006.01)**

[25] EN
[54] **LIQUID TREATMENT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT D'UN LIQUIDE**

[72] BAUER, WALTER JACOB, CA
[71] EBED HOLDINGS INC., CA
[85] 2017-10-24
[86] 2016-04-25 (PCT/CA2016/050479)
[87] (WO2016/168943)
[30] US (62/152,648) 2015-04-24
[30] US (62/194,567) 2015-07-20

[21] **2,983,831**
[13] A1

[51] **Int.Cl. A01G 7/06 (2006.01) A01N 3/02 (2006.01) A01N 59/00 (2006.01) A23B 7/14 (2006.01) A23B 7/144 (2006.01) A23B 7/152 (2006.01) A23L 3/34 (2006.01)**

[25] EN
[54] **METHODS OF USE OF PURIFIED HYDROGEN PEROXIDE GAS IN AGRICULTURAL PRODUCTION, TRANSPORT, AND STORAGE**
[54] **PROCEDES D'UTILISATION DE PEROXYDE D'HYDROGENE GAZEUX PURIFIE DANS LA PRODUCTION, LE TRANSPORT ET LE STOCKAGE AGRICOLES**

[72] LEE, JAMES D., US
[72] BOSMA, DOUGLAS J., US
[71] SYNEXIS LLC, US
[85] 2017-10-24
[86] 2016-04-28 (PCT/US2016/029847)
[87] (WO2016/176486)
[30] US (62/154,472) 2015-04-29

[21] **2,983,832**
[13] A1

[51] **Int.Cl. A61K 35/12 (2015.01) C12N 5/071 (2010.01) A61K 39/395 (2006.01)**

[25] EN
[54] **EXTRACELLULAR MATRIX COMPOSITIONS FOR THE TREATMENT OF CANCER OR IMMUNOLOGICAL DISEASES**
[54] **COMPOSITION DE MATRICE EXTRACELLULAIRE POUR LE TRAITEMENT DU CANCER OU DES MALADIES IMMUNOLOGIQUES**

[72] NAUGHTON, GAIL K., US
[72] ZEIGLER, FRANK, US
[72] PINNEY, EMMETT, US
[71] HISTOGEN, INC., US
[85] 2017-10-24
[86] 2016-04-29 (PCT/US2016/030204)
[87] (WO2016/176620)
[30] US (62/155,360) 2015-04-30

[21] **2,983,833**
[13] A1

[51] **Int.Cl. A61B 5/145 (2006.01) G06F 19/12 (2011.01) H04B 17/26 (2015.01) G01N 33/49 (2006.01) G06F 17/18 (2006.01)**

[25] EN
[54] **DIAGNOSTIC METHODS**
[54] **METHODES DE DIAGNOSTIC**

[72] ELTOUKHY, HELMY, US
[72] TALASAZ, AMIRALI, US
[71] GUARDANT HEALTH, INC., US
[85] 2017-10-24
[86] 2016-04-29 (PCT/US2016/030301)
[87] (WO2016/179049)
[30] US (62/155,755) 2015-05-01

[21] **2,983,860**
[13] A1

[51] **Int.Cl. G01C 19/5719 (2012.01) G01C 25/00 (2006.01)**

[25] EN
[54] **VIBRATORY GYROSCOPE UTILIZING A NONLINEAR MODAL INTERACTION**
[54] **GYROSCOPE VIBRATOIRE EMPLOYANT UNE INTERACTION MODALE NON LINEAIRE**

[72] BAHREYNI, BEHRAAD, CA
[72] GOLNARAGHI, FARID, CA
[72] LAJIMI, S. AMIR MOUSAVI, CA
[72] MARZOUK, AMR, CA
[72] NOORI, NAVID, CA
[72] POOYANFAR, OLDOOZ, CA
[72] SARRAFAN, ATABAK, CA
[71] SIMON FRASER UNIVERSITY, CA
[85] 2017-10-23
[86] 2016-05-09 (PCT/CA2016/050534)
[87] (WO2016/179698)
[30] US (62/159,054) 2015-05-08

[21] **2,983,864**
[13] A1

[51] **Int.Cl. G06Q 40/00 (2012.01) G06Q 10/04 (2012.01)**

[25] EN
[54] **MARKOV DECISION PROCESS-BASED DECISION SUPPORT TOOL FOR FINANCIAL PLANNING, BUDGETING, AND FORECASTING**
[54] **OUTIL DE SUPPORT DE DECISION A BASE DE PROCESSUS DE DECISION DE MARKOV POUR PLANIFICATION FINANCIERE, BUDGETISATION, ET PREVISION**

[72] HAGELL, DONALD, CA
[71] ASTIR TECHNOLOGIES, INC., CA
[85] 2016-10-20
[86] 2016-06-21 (PCT/CA2016/050725)
[87] (WO2017/079824)
[30] US (62/253,233) 2015-11-10

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[21] **2,983,867**
[13] A1

[51] **Int.Cl. E21B 43/117 (2006.01)**
[25] EN
[54] **APPARATUS FOR ELECTROMECHANICALLY CONNECTING A PLURALITY OF GUNS FOR WELL PERFORATION**
[54] **APPAREIL DESTINE A LA CONNEXION ELECTROMECHANIQUE D'UNE PLURALITE DE PERFORATEURS DE PUIT**
[72] GOYENECHÉ, SERGIO F., US
[71] GOYENECHÉ, SERGIO F., US
[85] 2017-10-24
[86] 2015-05-15 (PCT/US2015/031047)
[87] (WO2016/186611)

[21] **2,983,872**
[13] A1

[51] **Int.Cl. A47J 31/44 (2006.01) A47J 31/24 (2006.01) G01N 21/55 (2014.01)**
[25] EN
[54] **SIGNAL AND DETECTION SYSTEM FOR PAIRING PRODUCTS**
[54] **SYSTEME DE SIGNAL ET DE DETECTION POUR ASSOCIATION DE PRODUITS**
[72] HACKNEY, ROBERT STEVEN, CA
[72] ZOSIMADIS, PETER, CA
[71] SMART WAVE TECHNOLOGIES CORP., CA
[85] 2017-10-24
[86] 2016-05-06 (PCT/CA2016/050524)
[87] (WO2016/176779)
[30] US (62/158,414) 2015-05-07

[21] **2,983,874**
[13] A1

[51] **Int.Cl. C12N 1/21 (2006.01) C12N 7/01 (2006.01) C12N 15/63 (2006.01) C12P 19/34 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR EFFICIENT DELIVERY OF NUCLEIC ACIDS AND RNA-BASED ANTIMICROBIALS**
[54] **PROCEDES ET COMPOSITIONS PERMETTANT UNE DELIVRANCE EFFICACE D'ACIDES NUCLEIQUES ET D'ANTIMICROBIENS A BASE D'ARN**
[72] BEISEL, CHASE LAWRENCE, US
[72] GOMAA, AHMED ABDELSHAFY MAHMOUD, US
[72] LUO, MICHELLE, US
[71] NORTH CAROLINA STATE UNIVERSITY, US
[85] 2017-10-24
[86] 2016-06-15 (PCT/US2016/037493)
[87] (WO2016/205276)
[30] US (62/175,749) 2015-06-15

[21] **2,983,878**
[13] A1

[51] **Int.Cl. B01D 25/32 (2006.01) B01D 25/12 (2006.01) B01D 25/127 (2006.01) B01D 25/164 (2006.01)**
[25] EN
[54] **ROTARY AND LATERALLY TRANSLATING WASHER FOR FILTER PRESSES AND METHODS THEREOF**
[54] **RONDELLE ET DEPLACER LATERALEMENT ROTATIF POUR FILTRES-PRESSES ET PROCEDES DE CEUX-CI**
[72] MORRIS, THOMAS, US
[72] SHARP, JEFFREY A., US
[71] FLSMIDTH A/S, DK
[85] 2017-10-24
[86] 2016-05-05 (PCT/US2016/031014)
[87] (WO2016/179408)
[30] US (62/157,386) 2015-05-05

[21] **2,983,880**
[13] A1

[51] **Int.Cl. G06F 7/60 (2006.01)**
[25] EN
[54] **QUANTON REPRESENTATION FOR EMULATING QUANTUM-LIKE COMPUTATION ON CLASSICAL PROCESSORS**
[54] **REPRESENTATION QUANTON PERMETTANT D'EMULER UN CALCUL DE TYPE QUANTIQUE SUR DES PROCESEURS CLASSIQUES**
[72] MAJUMDAR, ARUN, US
[71] KYNDI, INC., US
[85] 2017-10-24
[86] 2016-05-05 (PCT/US2016/031034)
[87] (WO2016/179419)
[30] US (62/156,955) 2015-05-05

[21] **2,983,881**
[13] A1

[51] **Int.Cl. H04N 19/14 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR INTRA BLOCK COPY REFERENCE LIST CONSTRUCTION**
[54] **PROCEDE ET APPAREIL DE CONSTRUCTION DE LISTE DE REFERENCE DE COPIE BLOC INTRA-IMAGE**
[72] XU, XIAOZHONG, US
[72] LIU, SHAN, US
[71] HFI INNOVATION INC., TW
[85] 2017-10-25
[86] 2016-04-29 (PCT/CN2016/080587)
[87] (WO2016/173519)
[30] US (62/154,373) 2015-04-29
[30] US (62/169,698) 2015-06-02
[30] US (62/182,685) 2015-06-22
[30] US (62/183,799) 2015-06-24

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[21] **2,983,882**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01)**
[25] EN
[54] **MULTIPROCESSOR PIPELINE ARCHITECTURE**
[54] **ARCHITECTURE PIPELINE DE MULTIPROCESSEUR**
[72] HELGESEN, SCOTT E., US
[72] MILLETTI, MARCO, US
[72] LAKATA, MARK T., US
[72] LABRENZ, JAMES N., US
[71] PACIFIC BIOSCIENCES OF CALIFORNIA, INC., US
[85] 2017-10-24
[86] 2016-05-05 (PCT/US2016/031063)
[87] (WO2016/179437)
[30] US (62/158,078) 2015-05-07
[30] US (62/260,995) 2015-11-30

[21] **2,983,884**
[13] A1

[51] **Int.Cl. A61L 2/00 (2006.01) A61L 2/04 (2006.01) A61L 2/10 (2006.01) B01J 19/00 (2006.01)**
[25] EN
[54] **METHOD FOR CONTINUOUS VIRUS INACTIVATION IN A MICROREACTOR**
[54] **PROCEDE D'INACTIVATION VIRALE CONTINUE DANS UN MICROREACTEUR**
[72] SCHWAN, PETER, DE
[72] VESTER, ANDREA, DE
[72] LOBEDANN, MARTIN, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2017-10-25
[86] 2016-04-25 (PCT/EP2016/059169)
[87] (WO2016/173982)
[30] EP (15165505.7) 2015-04-28

[21] **2,983,891**
[13] A1

[51] **Int.Cl. H04L 29/06 (2006.01) H04N 21/236 (2011.01) H04N 21/438 (2011.01)**
[25] EN
[54] **IPTV IN MANAGED NETWORKS**
[54] **TELEVISION SUR PROTOCOLE INTERNET DANS DES RESEAUX GERES**
[72] SLJIVIC, NENAD, RS
[72] CRVENKOVIC, NIKOLA, RS
[71] NXT SOLUTIONS AG, CH
[85] 2017-10-25
[86] 2016-04-26 (PCT/EP2016/059258)
[87] (WO2016/184646)
[30] IT (102015000016003) 2015-05-20

[21] **2,983,892**
[13] A1

[51] **Int.Cl. C08G 18/75 (2006.01) B05D 7/00 (2006.01) C08G 18/08 (2006.01) C08G 18/10 (2006.01) C08G 18/42 (2006.01) C09D 175/00 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING A MULTICOAT PAINT SYSTEM**
[54] **PROCEDE DE PRODUCTION D'UN SYSTEME DE PEINTURE MULTICOUCHE**
[72] ANDERSEN, AUDREE, DE
[72] REUTER, HARDY, DE
[72] RATZ, ROLAND, DE
[72] BUERMANN, MARITA, DE
[72] BAUER, JURGEN, DE
[72] DIEPENBROCK, VERA, DE
[72] WINNEN, SINA, DE
[71] BASF COATINGS GMBH, DE
[85] 2017-10-17
[86] 2016-03-30 (PCT/EP2016/056894)
[87] (WO2016/177514)
[30] EP (15166539.5) 2015-05-06

[21] **2,983,893**
[13] A1

[51] **Int.Cl. A01H 5/10 (2006.01) C07K 14/415 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **BRASSICA PLANTS WITH MODIFIED SEED OIL COMPOSITION**
[54] **PLANTES DU GENRE BRASSICA ET COMPOSITION D'HUILE DE GRAINES MODIFIEES**
[72] DENOLF, PETER, BE
[72] LAGA, BENJAMIN, BE
[71] BAYER CROPS SCIENCE NV, BE
[85] 2017-10-25
[86] 2016-04-28 (PCT/EP2016/059460)
[87] (WO2016/174119)
[30] EP (15165478.7) 2015-04-28

[21] **2,983,894**
[13] A1

[51] **Int.Cl. C12N 15/63 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **UNCOUPLING GROWTH AND PROTEIN PRODUCTION**
[54] **CROISSANCE DE DECOUPLAGE ET PRODUCTION DE PROTEINES**
[72] MAIRHOFER, JURGEN, AT
[72] STRIEDNER, GERALD, AT
[72] GRABHERR, REINGARD, AT
[72] WILDE, MONIKA, AT
[71] ENGENES BIOTECH GMBH, AT
[85] 2017-10-25
[86] 2016-04-29 (PCT/EP2016/059597)
[87] (WO2016/174195)
[30] LU (92705) 2015-04-30
[30] EP (15190078.4) 2015-10-16

[21] **2,983,895**
[13] A1

[51] **Int.Cl. G01D 5/04 (2006.01) E21B 47/08 (2012.01)**
[25] EN
[54] **CALIPER TOOL WITH POSITIVE PIVOTING ARM**
[54] **OUTIL D'ETRIER A BRAS PIVOTANT POSITIF**
[72] OHMER, HERVE, US
[72] MAYFIELD, MONTY D., US
[71] PROBE HOLDINGS, INC., US
[85] 2017-10-25
[86] 2016-04-29 (PCT/US2016/029932)
[87] (WO2016/178939)
[30] US (62/155,993) 2015-05-01

[21] **2,983,896**
[13] A1

[51] **Int.Cl. H04W 40/14 (2009.01) H04B 17/00 (2015.01)**
[25] EN
[54] **SEARCH AND RESCUE SYSTEM**
[54] **SYSTEME DE RECHERCHE/SAUVETAGE**
[72] KAIO, DAISUKE, JP
[71] SKYROBOT INC., JP
[85] 2017-10-25
[86] 2015-03-11 (PCT/JP2015/001345)
[87] (WO2016/142967)

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[21] **2,983,897**
[13] A1

[51] **Int.Cl. E21B 34/14 (2006.01) E21B 21/10 (2006.01) E21B 34/06 (2006.01)**

[25] EN

[54] **DOWNHOLE SEALING AND ACTUATION**

[54] **ETANCHEITE ET ACTIONNEMENT EN PROFONDEUR DE FORAGE**

[72] CHURCHILL, ANDREW PHILIP, GB

[71] CHURCHILL DRILLING TOOLS LIMITED, GB

[85] 2017-10-25

[86] 2016-04-29 (PCT/GB2016/051248)

[87] (WO2016/178005)

[30] GB (1507560.9) 2015-05-01

[30] GB (1521975.1) 2015-12-14

[21] **2,983,898**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 25/00 (2006.01) A61P 37/02 (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) C12N 15/09 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **RGMA BINDING PROTEIN AND USE THEREOF**

[54] **PROTEINE DE LIAISON A RGMA ET SON UTILISATION**

[72] HASHIMOTO, MOTONORI, JP

[72] YAMASHITA, TOSHIHIDE, JP

[71] MITSUBISHI TANABE PHARMA CORPORATION, JP

[71] OSAKA UNIVERSITY, JP

[71] NATIONAL UNIVERSITY CORPORATION CHIBA UNIVERSITY, JP

[85] 2017-10-25

[86] 2016-04-27 (PCT/JP2016/063166)

[87] (WO2016/175236)

[30] JP (2015-091095) 2015-04-28

[21] **2,983,899**
[13] A1

[51] **Int.Cl. F16K 15/18 (2006.01) B62D 55/30 (2006.01) F15B 15/20 (2006.01) F15B 15/26 (2006.01) F16K 15/04 (2006.01)**

[25] EN

[54] **TRACK TENSIONER**

[54] **TENDEUR DE CHENILLE**

[72] TOKACH, THOMAS J., US

[72] COOMBS, JASON R., US

[71] CLARK EQUIPMENT COMPANY, US

[85] 2017-10-25

[86] 2016-04-29 (PCT/US2016/030217)

[87] (WO2016/176627)

[30] US (62/154,406) 2015-04-29

[21] **2,983,900**
[13] A1

[51] **Int.Cl. C08L 23/14 (2006.01)**

[25] EN

[54] **PROPYLENE COPOLYMER COMPOSITION**

[54] **COMPOSITION DE COPOLYMERE DE PROPYLENE**

[72] BRAUN, HERMANN, AT

[72] BORAGNO, LUCA, AT

[72] BERNREITNER, KLAUS, AT

[72] MARTIN, SANNA, FI

[72] SUIKKANEN, TIINA, FI

[72] STADLBAUER, WOLFRAM, AT

[71] BOREALIS AG, AT

[85] 2017-10-25

[86] 2016-05-13 (PCT/EP2016/060853)

[87] (WO2016/192960)

[30] EP (15169897.4) 2015-05-29

[21] **2,983,901**
[13] A1

[51] **Int.Cl. E02F 9/22 (2006.01)**

[25] EN

[54] **RIDE CONTROL SYSTEM FOR POWER MACHINE**

[54] **SYSTEME DE COMMANDE DE DEPLACEMENT POUR MACHINE MOTRICE**

[72] DUPPONG, GERALD J., US

[72] KRAUSE, TREVOR W., US

[71] CLARK EQUIPMENT COMPANY, US

[85] 2017-10-25

[86] 2016-04-29 (PCT/US2016/030016)

[87] (WO2016/176547)

[30] US (62/154,598) 2015-04-29

[21] **2,983,902**
[13] A1

[51] **Int.Cl. F01D 11/04 (2006.01) F02C 7/28 (2006.01) F16J 15/40 (2006.01)**

[25] EN

[54] **SEAL ARRANGEMENT IN A TURBINE AND METHOD FOR CONFINING THE OPERATING FLUID**

[54] **ARRANGEMENT DE JOINTS D'ETANCHEITE DANS UNE TURBINE ET PROCEDE POUR CONFINER LE FLUIDE DE TRAVAIL**

[72] GAIA, MARIO, IT

[72] BINI, ROBERTO, IT

[71] TURBODEN SPA, IT

[85] 2017-10-25

[86] 2016-06-08 (PCT/IB2016/053365)

[87] (WO2016/207761)

[30] IT (102015000026784) 2015-06-23

[21] **2,983,903**
[13] A1

[51] **Int.Cl. A01G 31/00 (2006.01)**

[25] EN

[54] **HYDROPONIC CULTIVATION APPARATUS**

[54] **DISPOSITIF D'AQUACULTURE**

[72] YANO, HIROSHI, JP

[72] JEONG, WOOHYEUN, JP

[71] PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD., JP

[85] 2017-10-25

[86] 2016-05-13 (PCT/JP2016/002362)

[87] (WO2016/194312)

[30] JP (2015-112106) 2015-06-02

[21] **2,983,904**
[13] A1

[51] **Int.Cl. C23C 2/00 (2006.01) C23C 2/20 (2006.01)**

[25] EN

[54] **DEVICE FOR TREATING A METAL STRIP**

[54] **DISPOSITIF PERMETTANT DE TRAITER UNE BANDE METALLIQUE**

[72] FONTAINE, PASCAL, DE

[72] FONTAINE, DOMINIQUE, DE

[71] FONTAINE ENGINEERING UND MASCHINEN GMBH, DE

[85] 2017-10-25

[86] 2016-08-01 (PCT/EP2016/068325)

[87] (WO2017/036703)

[30] DE (10 2015 216 721.6) 2015-09-01

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[21] **2,983,905**
[13] A1

[51] **Int.Cl. A61K 35/62 (2006.01) A23L 33/10 (2016.01) A61P 3/00 (2006.01) A61P 25/28 (2006.01)**

[25] EN

[54] **AMYLOID .BETA. FIBRIL DECOMPOSING AGENT, AND THERAPEUTIC OR PREVENTIVE AGENT AND THERAPEUTIC OR PREVENTIVE FOOD COMPOSITION FOR DISEASES CAUSED BY AMYLOID .BETA. FIBRIL FORMATION**

[54] **AGENT DE DECOMPOSITION DES FIBRILLES DE .BETA. AMYLOIDE, AGENT THERAPEUTIQUE/PROPHYLACTIQUE DESTINE A TRAITER/PREVENIR UNE MALADIE ASSOCIEE A LA FIBRILLOGENESE DE LA .BETA. AMYLOIDE, ET COMPOSITION ALIMENTAIRE UTILISEE A CETTE FIN**

[72] ISHII, YOICHI, JP
[72] OKAMOTO, TAKESHI, JP
[72] ISHII, SAYAKA, JP
[71] WELL STONE CO., JP
[85] 2017-10-25
[86] 2016-07-14 (PCT/JP2016/070902)
[87] (WO2017/014162)
[30] JP (2015-144319) 2015-07-21

[21] **2,983,907**
[13] A1

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[54] **ELEMENT DE GUIDAGE DE CARTE ET BOITIER**

[72] SUZUKI, TAKESHI, JP
[71] NEC PLATFORMS, LTD., JP
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[87] (WO2017/168470)
[30] JP (2016-065280) 2016-03-29

[21] **2,983,908**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/519 (2006.01) A61P 25/16 (2006.01)**

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[54] **DERIVES D'ETHYNYLE**

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[72] O'HARA, FIONN, CH
[72] PLANCHER, JEAN-MARC, CH
[72] RICCI, ANTONIO, CH
[72] RUEHER, DANIEL, CH
[72] VIEIRA, ERIC, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
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[87] (WO2017/021384)
[30] EP (15179550.7) 2015-08-03

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[54] **ROCKER SHOES, ROCKER SHOE DEVELOPMENT KIT AND METHOD**

[54] **CHAUSSURES A BASCULE, KIT ET PROCEDE DE DEVELOPPEMENT DE CHAUSSURE A BASCULE**

[72] HANSEN, ANDREW H., US
[72] KOEHLER, SARA, US
[72] NICKEL, ERIC, US
[72] SCHULTZ, CHARLES, US
[71] UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS, US
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[30] US (62/153,365) 2015-04-27

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[54] **MULTI-CHANNEL DIGITAL RADIO**

[54] **RADIO NUMERIQUE MULTI-CANAUX**

[72] SOROKOPUD, BORIS, IL
[72] EDER, YEHUDA, IL
[72] MANOR, YONATAN, IL
[71] ELBIT SYSTEMS LAND AND C4I LTD., IL
[85] 2017-10-25
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[30] IL (243028) 2015-12-10

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[13] A1

[51] **Int.Cl. B02C 17/22 (2006.01) F16J 15/06 (2006.01)**

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[54] **SEALING MILL LINER BOLT FASTENINGS**

[54] **ELEMENTS DE FIXATION ETANCHE DE BOULON POUR REVETEMENT DE BROYEUR**

[72] CLARKE, RONALD C., US
[71] CLARKE, RONALD C., US
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[54] **DRILL ROD ALIGNMENT DEVICE AND SYSTEMS AND METHODS OF USING SAME**

[54] **DISPOSITIF D'ALIGNEMENT DE TIGE DE FORAGE ET SYSTEMES ET PROCEDES D'UTILISATION ASSOCIES**

[72] WRIGHT, CHRISTOPHER ALLEN, CA
[72] RITTER, DAVID ROBERT, CA
[72] MARKHAM, ANTHONY CHARLES WILLIAM, CA
[71] BLY IP INC., US
[85] 2017-10-25
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[30] US (62/155,545) 2015-05-01
[30] US (62/207,438) 2015-08-20

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[13] A1

[51] **Int.Cl. E02F 9/20 (2006.01) E02F 3/43 (2006.01)**

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[54] **SYSTEM AND METHOD FOR POSITIONING A LIFT ARM ON A POWER MACHINE**

[54] **SYSTEME ET PROCEDE DE POSITIONNEMENT D'UN BRAS DE LEVAGE SUR UNE MACHINE A MOTEUR**

[72] ZENT, KEVIN J., US

[72] KRAUSE, TREVOR W., US

[72] ROEHL, JONATHAN J., US

[72] CARPENTER, MARTY, US

[71] CLARK EQUIPMENT COMPANY, US

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[21] **2,983,917**
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[51] **Int.Cl. B32B 37/02 (2006.01) B32B 5/24 (2006.01) B32B 38/00 (2006.01) B32B 38/16 (2006.01) B32B 43/00 (2006.01)**

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[54] **AEROGEL COMPOSITE AND METHOD FOR PREPARING SAME**

[54] **COMPOSITE AEROGEL ET SON PROCEDE DE PREPARATION**

[72] KIM, HYUN-CHOL, KR

[71] SKC CO., LTD., KR

[85] 2017-10-25

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[54] **METHODS AND DEVICES FOR QUANTITATING BLOOD SAMPLES**

[54] **PROCEDES ET DISPOSITIF DE QUANTIFICATION D'ECHANTILLONS SANGUINS**

[72] MATSON, SAMANTHA A., US

[72] THOMAS, BEENA E., US

[72] BHASIN, SWATI, US

[71] IXCELA, INC., US

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[21] **2,983,919**
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[51] **Int.Cl. G06Q 30/02 (2012.01) H04W 88/02 (2009.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR ENABLING EFFICIENT DIGITAL MARKETING ON PORTABLE WIRELESS DEVICES FOR PARTIES WITH LOW CAPABILITIES**

[54] **SYSTEME ET PROCEDE POUR PERMETTRE UN MARKETING NUMERIQUE EFFICACE SUR DES DISPOSITIFS SANS FIL PORTABLES POUR DES PARTIES AYANT DE FAIBLES CAPACITES**

[72] LIEN, SCOTT, US

[72] LIEN, ISAAC, US

[72] TYLER, DAVID, US

[72] BURNS, RYAN, US

[72] PHILLIPS, ALAN PAUL R., GB

[71] GRANDPAD, INC., US

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[21] **2,983,921**
[13] A1

[51] **Int.Cl. B62D 55/10 (2006.01) B62D 55/06 (2006.01) B62D 55/108 (2006.01)**

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[54] **APPARATUS FOR MOUNTING A TRACK FRAME TO A FRAME OF A POWER MACHINE**

[54] **APPAREIL POUR FIXER UN CHASSIS DE CHENILLE A UN CHASSIS D'UNE MACHINE ELECTRIQUE**

[72] SPEARS, KARL, US

[72] KALDOR, MATTHEW J., US

[72] MUSCHA, JASON, US

[72] HANSEN, CAMERON C., US

[72] RINGGENBERG, JUSTIN, US

[72] HOESEL, JERET L., US

[72] HANSEN, RONALD S., US

[71] CLARK EQUIPMENT COMPANY, US

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[13] A1

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[54] **OPTICAL FIBER CABLE**

[54] **CABLE A FIBRES OPTIQUES**

[72] GALLO, EMANUELA, DE

[71] CCS TECHNOLOGY, INC., US

[85] 2017-10-25

[86] 2016-04-13 (PCT/US2016/027230)

[87] (WO2016/176040)

[30] EP (15165190.8) 2015-04-27

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[13] A1

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[54] **K-RAS MODULATORS**

[54] **MODULATEURS DE K-RAS**

[72] MCCORMICK, FRANK, US

[72] RENSLO, ADAM R., US

[72] TURNER, DAVID, US

[72] GYSIN, STEPHAN, CH

[72] MACIAG, ANNA E., US

[72] CHERTOV, OLEG, US

[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[71] LEIDOS BIOMEDICAL RESEARCH, INC., US

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[54] **PORTABLE SYSTEM AND METHODOLOGY THAT FACILITATES DUST COLLECTION WITHIN A SILO APPARATUS**
[54] **METHODOLOGIE DE SYSTEME PORTATIF QUI FACILITE LA COLLECTE DE POUSSIERE DANS UN APPAREIL A SILO**
[72] GUTH, JOEL, US
[72] GUTH, PAUL W., US
[71] JPL GLOBAL, LLC, US
[85] 2017-10-25
[86] 2016-05-06 (PCT/US2016/031333)
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[13] A1

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[54] **METHODS TO REDUCE EVAPORATION DURING ELEVATED TEMPERATURE**
[54] **PROCEDES DE REDUCTION DE L'EVAPORATION EN CAS DE TEMPERATURES ELEVEES**
[72] YAMANISHI, DOUGLAS T., US
[72] HOM, CLIFFORD, US
[72] SHAH, AMIT D., US
[71] SAKURA FINETEK U.S.A., INC., US
[85] 2017-10-25
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[87] (WO2017/180160)

[21] **2,983,934**
[13] A1

[51] **Int.Cl. G06F 17/27 (2006.01) G06F 17/30 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR UPDATING A KNOWLEDGE GRAPH THROUGH USER INPUT**
[54] **SYSTEMES ET PROCEDES DE MISE A JOUR D'UN GRAPHE DE CONNAISSANCES PAR UNE ENTREE D'UTILISATEUR**
[72] KELLY, TIMOTHY CHRISTENSEN, US
[72] MORGAN, PATRICK GERARD, US
[72] PETERSON, BRIAN, US
[72] KLAPPERT, WALTER R., US
[71] ROVI GUIDES, INC., US
[85] 2017-10-25
[86] 2016-04-21 (PCT/US2016/028543)
[87] (WO2016/176098)
[30] US (14/697,196) 2015-04-27

[21] **2,983,939**
[13] A1

[51] **Int.Cl. C07H 3/00 (2006.01) A61K 31/702 (2006.01) A61P 1/14 (2006.01) C07H 1/08 (2006.01) C07H 3/06 (2006.01) C12P 19/14 (2006.01)**
[25] EN
[54] **PREPARATION COMPRISING ARABINOXYLO-OLIGOSACCHARIDES**
[54] **PREPARATION COMPRENANT DES ARABINOXYLO-OLIGOSACCHARIDES**
[72] FALCK, PETER, SE
[71] PURE FIBER LIMITED, IE
[85] 2017-10-25
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[87] (WO2016/175702)
[30] SE (1550542-3) 2015-04-30

[21] **2,983,940**
[13] A1

[51] **Int.Cl. E21B 47/00 (2012.01) E21B 47/022 (2012.01) G01C 21/16 (2006.01)**
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[54] **OUTIL D'ARPENTAGE GYROSCOPIQUE ET PROCEDE D'ARPENTAGE**
[72] PECO, THIMAQ TIM, SE
[72] HULDEN, JARL, SE
[71] LKAB WASSARA AB, SE
[85] 2017-10-25
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[30] SE (1550553-0) 2015-05-04

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[13] A1

[51] **Int.Cl. A47L 9/00 (2006.01) A47L 7/00 (2006.01) B25J 5/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR SEMI-AUTONOMOUS CLEANING OF SURFACES**
[54] **APPAREIL ET PROCEDES PERMETTANT LE NETTOYAGE SEMI-AUTONOME DE SURFACES**
[72] SHEIKH, FAIZAN, CA
[72] D'ALESSIO-DOUCET, JULIEN, CA
[72] LEE, KENNETH, CA
[72] CABRERA, PABLO ROBERTO MOLINA, CA
[72] WILLYCK, TODD, CA
[71] AVIDBOTS CORP., CA
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[54] **SPINNING TORQUE WRENCH**
[54] **CLE DYNAMOMETRIQUE DE VISSAGE**

[72] SCEKIC, VLADIMIR, CA
[72] GNASIENCO, RADU, CA
[72] BATAHLA, KEVIN, CA
[72] TURNBULL, RUSSELL, CA
[71] MIVA ENGINEERING LTD., CA
[85] 2017-10-24
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[87] (WO2016/187702)
[30] US (62/166,845) 2015-05-27

[21] **2,983,948**
[13] A1

[51] **Int.Cl. C22C 21/08 (2006.01) C22C 1/02 (2006.01) C22C 21/00 (2006.01)**

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[54] **COMPOSITE MATERIAL HAVING IMPROVED MECHANICAL PROPERTIES AT ELEVATED TEMPERATURES**

[54] **MATERIAU COMPOSITE AYANT DES PROPRIETES MECANQUES AMELIOREES A DES TEMPERATURES ELEVEES**

[72] LAURIN, JEAN-ALAIN, CA
[72] PARSON, NICHOLAS C., CA
[72] ROUX, MARIO, CA
[72] CHEN, XIAO-GUANG, CA
[72] LIU, KUN, CA
[71] UNIVERSITE DU QUEBEC A CHICOUTIMI, CA
[85] 2017-10-24
[86] 2016-04-29 (PCT/CA2016/050498)
[87] (WO2016/176766)
[30] US (62/155,556) 2015-05-01

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[13] A1

[51] **Int.Cl. B62D 55/08 (2006.01) B62D 21/18 (2006.01) B62D 55/06 (2006.01) B62D 55/10 (2006.01) B62D 55/24 (2006.01) B62D 55/253 (2006.01) B62D 55/30 (2006.01)**

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[54] **TRACKED VEHICLE AND CHASSIS THEREFOR**

[54] **VEHICULE CHENILLE ET CHASSIS POUR CE DERNIER**

[72] MARLEAU, BENOIT, CA
[72] CHABOT, ALAIN, CA
[72] GAGNE, CARL, CA
[71] PRINOTH LTD., CA
[85] 2017-10-24
[86] 2015-09-25 (PCT/EP2015/072138)
[87] (WO2016/198130)
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[21] **2,983,950**
[13] A1

[51] **Int.Cl. G01N 33/50 (2006.01) A61K 35/28 (2015.01)**

[25] EN
[54] **BIOMARKERS FOR DETERMINING THE CLINICAL RESPONSE TO CELL THERAPY**

[54] **BIOMARQUEURS DE DETERMINATION DE LA REPONSE CLINIQUE A UNE THERAPIE CELLULAIRE**

[72] DE LA ROSA, OLGA, ES
[72] DALEMANS, WILFRIED, ES
[71] TIGENIX, S.A.U, ES
[85] 2017-10-24
[86] 2016-04-25 (PCT/EP2016/059196)
[87] (WO2016/170187)
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[13] A1

[51] **Int.Cl. G01V 9/00 (2006.01) E21B 49/00 (2006.01) G01N 23/225 (2006.01)**

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[54] **IDENTIFICATION, QUANTIFICATION AND PREDICTION OF FREE SILICON IN GEOLOGICAL FORMATION AND ITS CONTRIBUTION TO ROCK PROPERTIES**

[54] **IDENTIFICATION, QUANTIFICATION ET PREDICTION DE SILICIUM LIBRE DANS UNE FORMATION GEOLOGIQUE ET SA CONTRIBUTION AUX PROPRIETES DE ROCHES**

[72] OLIVER, GUY, FR
[72] SPENCE, GRAHAM, FR
[72] LY, CHI VINH, FR
[72] ALLO, FABIEN, FR
[71] CGG SERVICES SA, FR
[85] 2017-10-24
[86] 2016-05-04 (PCT/IB2016/000851)
[87] (WO2016/178094)
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[30] US (62/208,844) 2015-08-24

[21] **2,983,958**
[13] A1

[51] **Int.Cl. B01F 3/04 (2006.01) A23L 2/00 (2006.01)**

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[54] **HOME SODA MACHINE OPERATING AT LOW PRESSURE**

[54] **MACHINE A SODA DOMESTIQUE FONCTIONNANT A BASSE PRESSION**

[72] COHEN, AVI, IL
[71] SODASTREAM INDUSTRIES LTD., IL
[85] 2017-10-24
[86] 2016-05-09 (PCT/IB2016/052625)
[87] (WO2016/181279)
[30] US (62/161,285) 2015-05-14

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[13] A1

[51] **Int.Cl. C07K 7/06 (2006.01) A61K 38/08 (2006.01) A61P 27/00 (2006.01) A61P 35/00 (2006.01)**

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[54] **SHORT SYNTHETIC PEPTIDE FOR TREATING DISEASES AND/OR CONDITIONS RELATED TO ANGIOGENESIS**

[54] **PEPTIDE SYNTHETIQUE COURT POUR LE TRAITEMENT DE MALADIES ET/OU CONDITIONS LIEES A L'ANGIOGENESE**

[72] HO, TSUNG-CHUAN, CN

[72] TSAO, YEOU-PING, CN

[71] MACKAY MEMORIAL HOSPITAL, TW

[85] 2017-10-24

[86] 2016-04-14 (PCT/CN2016/079300)

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[21] **2,983,968**
[13] A1

[51] **Int.Cl. B29B 11/16 (2006.01) B29C 70/86 (2006.01) B64C 11/26 (2006.01) F01D 5/28 (2006.01) F03B 3/12 (2006.01)**

[25] FR

[54] **BLADE COMPRISING LANDS WITH INSERTS**

[54] **AUBE MUNIE DE PLATEFORMES COMPORTANT DES INSERTS**

[72] BERDOU, CAROLINE JACQUELINE DENISE, FR

[72] BOISSON, ALEXANDRE BERNARD MARIE, FR

[72] GIMAT, MATTHIEU ARNAUD, FR

[72] LAGUERRE, AUDREY, FR

[71] SAFRAN AIRCRAFT ENGINES, FR

[85] 2017-10-25

[86] 2016-04-26 (PCT/FR2016/050981)

[87] (WO2016/174345)

[30] FR (1553847) 2015-04-29

[21] **2,983,969**
[13] A1

[51] **Int.Cl. G07F 11/00 (2006.01) G06Q 20/18 (2012.01)**

[25] EN

[54] **RFID-BASED GOODS-VENDING SYSTEM**

[54] **SYSTEME DE DISTRIBUTION DE MARCHANDISES BASE SUR LA RFID**

[72] WU, TIANXIANG, CN

[71] GUANGZHOU YIDAO HULIANWANG CO., LTD., CN

[85] 2017-10-20

[86] 2015-10-19 (PCT/CN2015/092162)

[87] (WO2016/169234)

[30] CN (201510202204.8) 2015-04-24

[21] **2,983,970**
[13] A1

[51] **Int.Cl. B29B 11/16 (2006.01) B29C 70/86 (2006.01) B64C 11/26 (2006.01) F01D 5/28 (2006.01) F03B 3/12 (2006.01)**

[25] FR

[54] **VANE EQUIPPED WITH PLATFORMS COMPRISING A RETAINING LEG**

[54] **AUBE MUNIE DE PLATEFORMES POSSEDANT UNE JAMBE DE RETENUE**

[72] DE GAILLARD, THOMAS ALAIN, FR

[72] BERDOU, CAROLINE JACQUELINE DENISE, FR

[72] BOISSON, ALEXANDRE BERNARD MARIE, FR

[72] GIMAT, MATTHIEU ARNAUD, FR

[71] SAFRAN AIRCRAFT ENGINES, FR

[85] 2017-10-25

[86] 2016-04-26 (PCT/FR2016/050982)

[87] (WO2016/174346)

[30] FR (1553851) 2015-04-29

[21] **2,983,977**
[13] A1

[51] **Int.Cl. C07K 4/12 (2006.01) A61K 38/03 (2006.01) A61K 38/08 (2006.01)**

[25] EN

[54] **SHORT SYNTHETIC PEPTIDE FOR TREATMENT AND/OR PROPHYLAXIS OF AUTOIMMUNE AND INFLAMMATORY DISORDERS**

[54] **PEPTIDE SYNTHETIQUE COURT POUR LE TRAITEMENT ET/OU LA PROPHYLAXIE DE TROUBLES AUTO-IMMUNS ET INFLAMMATOIRES**

[72] TSAO, YEOU-PING, CN

[72] HO, TSUNG-CHUAN, CN

[71] MACKAY MEMORIAL HOSPITAL, TW

[85] 2017-10-24

[86] 2016-04-14 (PCT/CN2016/079284)

[87] (WO2016/173401)

[30] US (62/152,980) 2015-04-27

[21] **2,983,989**
[13] A1

[51] **Int.Cl. F23D 1/00 (2006.01)**

[25] EN

[54] **BURNER, COMBUSTION DEVICE, BOILER, AND BURNER CONTROL METHOD**

[54] **BRULEUR, DISPOSITIF DE COMBUSTION, CHAUDIERE, ET PROCEDE DE COMMANDE DE BRULEUR**

[72] KIYAMA, KENJI, JP

[72] ICHINOSE, TOSHIMITSU, JP

[72] SHIMOGORI, MIKI, JP

[72] MINE, TOSHIHIKO, JP

[72] YAMAMOTO, KENJI, JP

[72] TANAKA, RYUICHIRO, JP

[72] BABA, AKIRA, JP

[72] KURAMASHI, KOJI, JP

[72] FUJIMURA, KOUTARO, JP

[72] MATSUMOTO, KEIGO, JP

[71] MITSUBISHI HITACHI POWER SYSTEMS, LTD., JP

[85] 2017-10-25

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[87] (WO2016/199613)

[30] JP (2015-119311) 2015-06-12

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[13] A1

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[25] EN
[54] **POLYCYCLIC INDOLINE AND
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[72] BARBOUR, PATRICK, US
[71] THE REGENTS OF THE
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[54] **COMPOUND IMPURITIES AND
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[54] **IMPURETES DE COMPOSES ET
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[72] GELORMINI, ANN, US
[71] AEGERION PHARMACEUTICALS,
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[72] HEGDE, PRITI, US
[72] KOWANETZ, MARCIN, US
[72] FINE, GREGG, US
[72] MARIATHASAN, SANJEEV, US
[72] BOURGON, RICHARD, US
[71] GENENTECH, INC., US
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[54] **BLOWOUT PREVENTER**
[54] **BLOC D'OBTURATION DE PUITES**
[72] ANGSTMANN, STEVEN ANTONY,
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[72] GALLAGHER, BOBBY JAMES, KR
[71] KINETIC PRESSURE CONTROL
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[72] REIK, ANDREAS, US
[71] SANGAMO THERAPEUTICS, INC.,
US
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[54] **PIECE D'ANCRAGE DE MAILLE
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[72] LINTON, STEPHEN, AU
[71] GRIDMESH ANCHOR PTY LTD, AU
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[54] **METHODS OF INCREASING PLANT BIOMASS AND OILSEED PRODUCTION**

[54] **PROCEDES D'AUGMENTATION DE LA BIOMASSE VEGETALE ET LA PRODUCTION DE GRAINES OLEAGINEUSES**

[72] EMES, MICHAEL, CA
[72] TETLOW, IAN, CA
[72] LIU, FUSHAN, CA
[71] UNIVERSITY OF GUELPH, CA
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[54] **JEU D'HABILETE LIE AUX MATHEMATIQUES**

[72] BAKER, DANNIAL, SR., CA
[72] BAKER, DANNIAL, JR., CA
[71] CYPHERING INC., CA
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[54] **INHIBITEUR DE SS-LACTAMASE ET SON APPLICATION**

[72] WU, FRANK, CN
[71] XUANZHU PHARMA CO., LTD., CN
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[72] BAKER, PATRICK, US
[72] HOLIDAY, KYLE, US
[71] QALO LLC, US
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[54] **OLIGOMERES DE TRIACYLGLYCEROL**

[72] NARINE, SURESH, CA
[72] LI, SHAOJUN, CA
[72] BOUZIDI, LAZIZ, CA
[71] TRENT UNIVERSITY, CA
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[54] **ACCESS PORT SEAL**

[54] **JOINT D'ORIFICE D'ACCES**

[72] BRIGHAM, GRAHAM, CA
[71] INTEGRITY PRODUCTS & SUPPLIES INC., CA
[85] 2017-10-26
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[54] **APPARATUS AND METHOD FOR REDUCING PEAK TO AVERAGE POWER RATIO IN A SIGNAL**

[54] **APPAREIL ET PROCEDE PERMETTANT DE REDUIRE LE RAPPORT DE LA PUISSANCE DE CRETE A LA PUISSANCE MOYENNE DANS UN SIGNAL**

[72] FONTAINE, LOIC, FR
[72] PESIN, ANTHONY, FR
[71] THOMSON LICENSING, FR
[85] 2017-10-26
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[54] **DIGITAL SIGNAL ROUTER FOR VEHICLE REPLACEMENT SOUND SYSTEM**

[54] **ROUTEUR DE SIGNAL NUMERIQUE POUR SYSTEME SONORE DE RECHANGE DE VEHICULE**

[72] RUTLEDGE, MARK, US
[71] AUTOMOTIVE DATA SOLUTIONS, INC., CA
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[54] **COMBINAISONS DE CANNABINOIDES ET DE N-ACYLETHANOLAMINES**

[72] SHMULEWITZ, ASCHER, IL

[72] HABER, ELRAN, IL

[72] BRENER, EPHRAIM, IL

[71] THERAPIX BIOSCIENCES LTD., IL

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[54] **RETRACTABLE STYLUS RETAINER FOR USE WITH A MOBILE DEVICE**

[54] **DISPOSITIF DE RETENUE DE STYLET RETRACTABLE POUR DISPOSITIF MOBILE**

[72] GILES, CORLES ANDRE, US

[71] GILES, CORLES ANDRE, US

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[54] **INSTRUMENT COLLISION DETECTION AND FEEDBACK**

[54] **DETECTION DE COLLISION D'INSTRUMENT ET RETROACTION**

[72] CAMERON, PETER, US

[71] TITAN MEDICAL INC., CA

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[54] **SNUBBERLESS SPINCAST REEL**

[54] **MOULINET A TAMBOUR FERME SANS RALENTISSEUR**

[72] IVIE, CAMERON, US

[72] LAO, WU, CN

[71] PURE FISHING, INC., US

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[54] **POSITIVE ELECTRODE ACTIVE MATERIAL FOR NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY, POSITIVE ELECTRODE, AND SECONDARY BATTERY**

[54] **MATERIAU ACTIF D'ELECTRODE POSITIVE POUR BATTERIE SECONDAIRE A ELECTROLYTE NON AQUEUX, ELECTRODE POSITIVE ET BATTERIE SECONDAIRE**

[72] KUZUSHIMA, YUSUKE, JP

[72] HARA, TOMITARO, JP

[71] ELIHY POWER CO., LTD., JP

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[54] **FUEL CELL SYSTEM**

[54] **SYSTEME DE PILE A COMBUSTIBLE**

[72] UOZUMI, TETSUO, JP

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

[85] 2017-10-26

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[54] **METHOD FOR MANUFACTURING SECONDARY CELL**

[54] **PROCEDE DE FABRICATION DE BATTERIE RECHARGEABLE**

[72] SAITO, TOMOKAZU, JP

[72] DEWA, HARUTADA, JP

[71] KABUSHIKI KAISHA NIHON MICRONICS, JP

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[51] **Int.Cl. A45D 31/00 (2006.01) A45D 29/20 (2006.01) A47F 7/00 (2006.01)**

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[54] **NAIL TIP, NAIL TIP POSITIONING ASSISTANCE TOOL, AND NAIL TIP FOR DISPLAY PROVIDED THEREWITH**

[54] **POINTE D'ONGLE, OUTIL D'AIDE AU POSITIONNEMENT DE POINTE D'ONGLE, ET POINTE D'ONGLE POUR PRESENTATION POURVU DE CELUI-CI**

[72] NAKASHIMA, KOTARO, JP

[72] NAKASHIMA YUKINO, JP

[71] NAKASHIMA, KOTARO, JP

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[54] **DUAL-THREADED SCREW
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[72] SHINBUTSU, TOSHINAKA, JP

[72] TAKEMASU, TERUIE, JP

[72] AMANO, SHUICHI, JP

[71] FORM ROLL TECH CO., LTD., JP

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[54] **STICKHANDLING TOOLS, HOCKEY TRAINING AIDS, AND RELATED METHODS**
[54] **OUTIL DE MANIEMENT DE BATON, AIDES D'ENTRAINEMENT AU HOCKEY ET METHODES ASSOCIEES**
[72] GUISE, DARCY G., CA
[71] GUISE, DARCY G., CA
[22] 2016-04-22
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[13] A1

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[54] **DUMP TRUCK BOX WITH REDUCED TENDENCY FOR MATERIAL TO STICK AT THE SIDES OF THE BOX**
[54] **BENNE DE CAMION A TENDANCE REDUITE D'ADHESION DE MATIERE SUR LES PAROIS DE LA BENNE**
[72] HOFER, GILBERT, CA
[71] GERMANIC MFG. LTD., CA
[71] HEART-FAB LTD., CA
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[54] **RECOVERY OF SOLVENTS FROM MIXED PRODUCTION FLUIDS AND SYSTEM FOR DOING SAME**
[54] **RECUPERATION DE SOLVANT DE FLUIDES DE PRODUCTION MELANGES ET SYSTEME EXECUTANT LADITE RECUPERATION**
[72] NENNIGER, JOHN, CA
[72] HOLCEK, RONALD GERRY, CA
[72] EICHHORN, MARK ANTHONY, CA
[72] VERMA, SANDEEP, CA
[72] FARRELL, SOLIMAR J., CA
[72] CHU, LIANJIANG, CA
[71] N-SOLV CORPORATION, CA
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[54] **METHODE DE CULTURE ET APPAREIL**
[72] DUMONT, GILLES, CA
[71] DUMONT, GILLES, CA
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[13] A1

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[54] **COLLAPSIBLE CAVITIES WITHIN SUSPENSION SYSTEMS FOR INTRA-OCULAR LENSES**
[54] **CAVITES ECRASABLES DANS LES MECANISMES DE SUSPENSION DESTINES A DES LENTILLES INTRAOCULAIRES**
[72] WEBB, GARTH T., CA
[71] VENTURA HOLDINGS LTD., CA
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[72] DAIGLE, JEAN-CHRISTOPHE, CA
[72] ZAGHIB, KARIM, CA
[71] HYDRO-QUEBEC, CA
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[54] **PLAQUE DE CUISSON A RECEPTACLE AMOVIBLE**
[72] MOK, ANDY, US
[71] BSH HOME APPLIANCES CORPORATION, US
[71] BSH HAUSGERATE GMBH, DE
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[54] **POSITION ACQUISITION METHOD AND APPARATUS**
[54] **METHODE ET APPAREIL D'ACQUISITION DE POSITION**
[72] PAN, ZHONGGUANG, CN
[72] TENG, YANMEI, CN
[72] GAO, YUYONG, CN
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[54] **METHODS AND DEVICES FOR HIGH STABILITY PRECISION VOLTAGE DIVIDERS**
[54] **METHODES ET DISPOSITIFS DE DIVISEURS DE TENSION DE PRECISION A HAUTE STABILITE**
[72] TIMMONS, RICHARD, CA
[72] PERRAS, ANDRE, CA
[72] EVANS, MARK, CA
[71] GUILDLINE INSTRUMENTS LIMITED, CA
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[54] **SYSTEM, METHOD AND APPARATUS FOR INTEGRATED WATER MANAGEMENT OF A BASEMENT**
[54] **SYSTEME, METHODE ET APPAREIL DE GESTION INTEGREE DE L'EAU D'UN SOUS-SOL**
[72] CLAPPER, JOSHUA E., US
[72] MATHIS, JIM, US
[72] DEAN, ROY L., US
[71] NORTH AMERICAN PIPE CORPORATION, US
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[72] GILLEN, ROBERT J., US
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US
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[13] A1

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[54] **ACTIVE GRILLE SHUTTER MULTI PART MODULAR FRAME**
[54] **CADRE MODULAIRE MULTIPARTITE A VOLET DE GRILLE ACTIF**
[72] RUPPERT, BENJAMIN R., US
[72] MANHIRE, JEFFREY B., US
[72] POVINELLI, ANTHONY J., US
[72] MATTHEWS, MARTIN R., US
[71] MAGNA INTERNATIONAL INC., CA
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[30] US (15/136,180) 2016-04-22

[21] **2,964,136**
[13] A1

[51] **Int.Cl. F01D 25/04 (2006.01) F01D 5/26 (2006.01) F01D 25/16 (2006.01) F02C 7/06 (2006.01) F16C 17/02 (2006.01) F16C 33/10 (2006.01) F16F 15/027 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR A VARIABLE SQUEEZE FILM DAMPER**
[54] **SYSTEME ET METHODE DESTINES A UN ATTENUATEUR VARIABLE AMORTI PAR FILM D'HUILE**
[72] STEEN, TOD ROBERT, US
[72] ORKISZEWSKI, CHARLES STANLEY, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2017-04-13
[41] 2017-10-22
[30] US (15/135,908) 2016-04-22

[21] **2,964,147**
[13] A1

[51] **Int.Cl. G01N 27/64 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TRACE CHEMICAL DETECTION USING DUAL PHOTOIONIZATION SOURCES**
[54] **SYSTEME ET METHODES DE DETECTION DE TRACE DE PRODUIT CHIMIQUE AU MOYEN DE SOURCES DE PHOTO-IONISATION DOUBLES**
[72] VILKOV, ANDREY N., US
[71] MORPHO DETECTION, LLC, US
[22] 2017-04-13
[41] 2017-10-22
[30] US (15/135,679) 2016-04-22

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **2,964,243**
[13] A1

[51] **Int.Cl. E21B 47/007 (2012.01) E21B 47/00 (2012.01)**
[25] EN
[54] **STRESS ENGINEERING ASSESSMENT OF RISERS AND RISER STRINGS**
[54] **EVALUATION TECHNIQUE DE CONTRAINTE DE COLONNES MONTANTES ET DE TIGES DE COLONNE MONTANTE**
[72] PAPADIMITRIOU, STYLIANOS, US
[72] PAPADIMITRIOU, WANDA, US
[71] PAPADIMITRIOU, STYLIANOS, US
[71] PAPADIMITRIOU, WANDA, US
[22] 2017-04-12
[41] 2017-10-22
[30] US (15/136,282) 2016-04-22

[21] **2,964,612**
[13] A1

[51] **Int.Cl. B64D 13/00 (2006.01) B64D 13/02 (2006.01) B64D 13/06 (2006.01)**
[25] EN
[54] **ENVIRONMENTAL CONTROL SYSTEM UTILIZING MULTIPLE MIX POINTS FOR RECIRCULATION AIR IN ACCORDANCE WITH PRESSURE MODE AND MOTOR ASSIST**
[54] **SYSTEME DE CONTROLE ENVIRONNEMENTAL EMPLOYANT PLUSIEURS POINTS DE MELANGE POUR L'AIR DE RECIRCULATION EN FONCTION DU MODE DE PRESSION ET ASSISTE PAR UN MOTEUR**
[72] BRUNO, LOUIS J., US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2017-04-13
[41] 2017-10-22
[30] US (15/136,474) 2016-04-22

[21] **2,964,613**
[13] A1

[51] **Int.Cl. B64D 13/00 (2006.01) B64D 13/08 (2006.01) F24F 3/04 (2006.01)**
[25] EN
[54] **ENVIRONMENTAL CONTROL SYSTEM UTILIZING CABIN AIR TO DRIVE A POWER TURBINE OF AN AIR CYCLE MACHINE AND UTILIZING MULTIPLE MIX POINTS FOR RECIRCULATION AIR IN ACCORDANCE WITH PRESSURE MODE**
[54] **SYSTEME DE CONTROLE ENVIRONNEMENTAL EMPLOYANT L'AIR DE LA CABINE POUR ENTRAINER UNE TURBINE DE TRAVAIL D'UNE MACHINE A CYCLE D'AIR ET EMPLOYANT PLUSIEURS POINTS DE MELANGE POUR L'AIR DE RECIRCULATION EN FONCTION DU MODE DE PRESSION**
[72] BRUNO, LOUIS J., US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2017-04-13
[41] 2017-10-22
[30] US (15/136,533) 2016-04-22

[21] **2,964,619**
[13] A1

[51] **Int.Cl. B01D 53/02 (2006.01) B01D 39/02 (2006.01) B01D 46/00 (2006.01) B01D 53/96 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR REMOVAL OF POLLUTANTS FROM GAS STREAMS**
[54] **DISPOSITIF ET METHODE D'EXTRACTION DE POLLUANTS DES FLUX DE GAZ**
[72] WEAGLE, GLENN E., CA
[72] DANROTH, ALLAN R., CA
[72] DUHAIME, KEITH M., CA
[71] PURE DRAGON ENVIRONMENTAL LTD., CA
[22] 2017-04-20
[41] 2017-10-22
[30] US (62326452) 2016-04-22

[21] **2,964,650**
[13] A1

[51] **Int.Cl. F21K 9/275 (2016.01) F21V 29/70 (2015.01) F21V 7/00 (2006.01)**
[25] EN
[54] **A LIGHTING DEVICE**
[54] **UN DISPOSITIF D'ECLAIRAGE**
[72] WANG, WEI, CN
[72] ZHU, MEIXIU, CN
[72] ZHANG, CHENGUANG, CN
[71] GE LIGHTING SOLUTIONS, LLC, US
[22] 2017-04-20
[41] 2017-10-22
[30] CN (201610255262.1) 2016-04-22

[21] **2,964,656**
[13] A1

[51] **Int.Cl. H01J 5/48 (2006.01) F21K 9/235 (2016.01) H01J 5/50 (2006.01)**
[25] EN
[54] **ANTI-DETACHMENT CAPPER FOR LED RETROFIT LAMPS**
[54] **CAPSULEUR ANTI DETACHEMENT DESTINE A DES LAMPES DEL ADAPTEES**
[72] FANG, MIN, CN
[72] JIANG, SHENG, CN
[72] RAMAIAH, RAGHU, US
[72] LONG, QI, CN
[72] QIN, SHUYI, CN
[72] LI, YON, CN
[71] GENERAL ELECTRIC COMPANY, US
[22] 2017-04-20
[41] 2017-10-22
[30] US (62/326,404) 2016-04-22
[30] US (15/373,707) 2016-12-09

[21] **2,964,695**
[13] A1

[51] **Int.Cl. H01Q 23/00 (2006.01) H04B 7/0413 (2017.01)**
[25] EN
[54] **ANTENNA APERTURE TUNING AND RELATED METHODS**
[54] **SYNTONISATION D'OUVERTURE D'ANTENNE ET METHODES ASSOCIEES**
[72] WONG, JOSHUA KWAN HO, CA
[71] BLACKBERRY LIMITED, CA
[22] 2017-04-19
[41] 2017-10-22
[30] US (15/136424) 2016-04-22

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[21] **2,964,708**
[13] A1

[51] **Int.Cl. A62D 5/00 (2006.01) D03D 15/12 (2006.01)**
[25] EN
[54] **PROTECTIVE FABRIC AND PROCESS OF MANUFACTURING SAME**
[54] **TISSU PROTECTEUR ET PROCEDE DE FABRICATION ASSOCIE**
[72] PARKER, EDWARD (TED), CA
[72] KASPER, DAVID, CA
[71] GENERAL RECYCLED, CA
[22] 2017-04-19
[41] 2017-10-22
[30] US (62/326,497) 2016-04-22

[21] **2,964,715**
[13] A1

[51] **Int.Cl. H02M 3/33 (2006.01) H02M 1/02 (2006.01)**
[25] EN
[54] **GAS TUBE-SWITCHED HIGH VOLTAGE DC POWER CONVERTER**
[54] **CONVERTISSEUR DE HAUTE TENSION CC A CIRCUIT COMMUTE A TUBE A GAZ**
[72] SHE, XU, US
[72] BRAY, JAMES WILLIAM, US
[72] SOMMERER, TIMOTHY JOHN, US
[72] CHOKHAWALA, RAHUL, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2017-04-20
[41] 2017-10-22
[30] US (15/136,375) 2016-04-22

[21] **2,964,750**
[13] A1

[51] **Int.Cl. A01C 23/02 (2006.01) A01B 35/00 (2006.01)**
[25] EN
[54] **LAND CULTIVATING SYSTEMS AND METHODS UTILIZING HIGH-PRESSURE FLUID JET CUTTING TECHNIQUES**
[54] **SYSTEMES DE CULTURE DE LA TERRE ET METHODE D'UTILISATION DE TECHNIQUES DE COUPE A JET DE FLUIDE HAUTE PRESSION**
[72] BUTLER, GREGORY DEAN, AU
[72] MARTEL, JEFFREY EVAN, CA
[72] HASHISH, MOHAMED A., US
[72] VIDIL, JEAN-CHRISTOPHE, FR
[71] FLOW INTERNATIONAL CORPORATION, US
[22] 2017-04-19
[41] 2017-10-22
[30] US (15/136,623) 2016-04-22

[21] **2,964,801**
[13] A1

[51] **Int.Cl. F21V 21/04 (2006.01) F21S 8/02 (2006.01) F21V 21/14 (2006.01) F21V 29/70 (2015.01)**
[25] EN
[54] **ADJUSTMENT ASSEMBLY FOR A LIGHTING DEVICE**
[54] **DISPOSTIF D'AJUSTEMENT DESTINE A UN APPAREIL ELECTRIQUE**
[72] EIDSVOLD, KEVIN BRIAN, US
[72] SPREMO, AIDA, US
[72] SPICER, JONATHAN, US
[71] INTENSE LIGHTING, LLC, US
[22] 2017-04-21
[41] 2017-10-22
[30] US (62/326,110) 2016-04-22
[30] US (15/383,464) 2016-12-19

[21] **2,964,836**
[13] A1

[51] **Int.Cl. C04B 41/87 (2006.01)**
[25] EN
[54] **SLURRY-BASED REACTION BONDED ENVIRONMENTAL BARRIER COATINGS**
[54] **REVENEMENTS PROTECTEURS ENVIRONNEMENTAUX LIES PAR REACTION A BASE DE BOUE**
[72] NASIRI, NASRIN AL, GB
[72] LANDWEHR, SEAN E., US
[72] CHAMBERLAIN, ADAM LEE, US
[72] LEE, WILLIAM EDWARD, GB
[71] ROLLS-ROYCE CORPORATION, US
[71] ROLLS-ROYCE PLC, GB
[22] 2017-04-20
[41] 2017-10-22
[30] US (15/488,037) 2017-04-14
[30] US (62/326,543) 2016-04-22

[21] **2,964,894**
[13] A1

[51] **Int.Cl. H02P 25/06 (2016.01) B60L 13/03 (2006.01) B65G 23/18 (2006.01) B65G 23/23 (2006.01) B65G 54/02 (2006.01) H02K 41/02 (2006.01)**
[25] EN
[54] **STATOR SEGMENT FOR A LINEAR MOTOR-BASED TRANSPORT SYSTEM AND TRANSPORT SYSTEM**
[54] **SEGMENT DE STATOR DESTINE A UN SYSTEME DE TRANSPORT FONDE SUR UN MOTEUR LINEAIRE ET SYSTEME DE TRANSPORT**
[72] ALBERT, FABIAN, DE
[72] GIERDEN, MARCO, DE
[72] HARTRAMPH, RALF, DE
[72] JANTSCH, MICHAEL, DE
[72] ROTHE, SVEN, DE
[72] SPINDLER, CARSTEN, DE
[72] VEIT, ANDREAS, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[71] FESTO AG & CO. KG, DE
[22] 2017-04-20
[41] 2017-10-22
[30] EP (16166648.2) 2016-04-22

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[21] **2,964,899**
[13] A1

[51] **Int.Cl. H02P 25/06 (2016.01) H02K 41/02 (2006.01)**
[25] EN
[54] **SEGMENT, LINEAR DRIVE AND METHOD FOR OPERATING A LINEAR DRIVE**
[54] **SEGMENT, ENTRAINEMENT LINEAIRE ET METHODE D'UTILISATION D'UN ENTRAINEMENT LINEAIRE**
[72] HAMIK, REINHOLD, DE
[72] ALBERT, FABIAN, DE
[72] HARTRAMPH, RALF, DE
[72] VEIT, ANDREAS, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[71] FETSO AG & CO. KG, DE
[22] 2017-04-20
[41] 2017-10-22
[30] EP (16166626.8) 2016-04-22

[21] **2,964,903**
[13] A1

[51] **Int.Cl. G01M 13/02 (2006.01) B65G 23/23 (2006.01) B65G 43/00 (2006.01)**
[25] EN
[54] **METHOD, LINEAR DRIVE AND INSTALLATION**
[54] **METHODE, ENTRAINEMENT LINEAIRE ET INSTALLATION**
[72] ALBERT, FABIAN, DE
[72] HARTRAMPH, RALF, DE
[72] HOFMANN, CHRIS, DE
[72] JANTSCH, MICHAEL, DE
[72] ROTHE, SVEN, DE
[72] SPINDLER, CARSTEN, DE
[72] VEIT, ANDREAS, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[71] FETSO AG & CO. KG, DE
[22] 2017-04-20
[41] 2017-10-22
[30] EP (16166630.0) 2016-04-22

[21] **2,964,924**
[13] A1

[51] **Int.Cl. H04W 4/24 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MOBILE DATA TOP-UP**
[54] **SYSTEME ET METHODE DE COMPLEMENT DE DONNEES MOBILES**
[72] PEEBLES, BRIAN, US
[72] DINGEMANS, FREDERIC, CA
[72] MENARD, PATRICK, CA
[71] TATA COMMUNICATIONS (AMERICA) INC., US
[22] 2017-04-21
[41] 2017-10-22
[30] US (62/326,135) 2016-04-22
[30] US (15/489,054) 2017-04-17

[21] **2,964,933**
[13] A1

[51] **Int.Cl. B65D 6/02 (2006.01)**
[25] EN
[54] **ODOR-PROOF CONTAINER FOR PERSONAL ITEMS**
[54] **CONTENANT ANTI-ODEUR DESTINE AUX ARTICLES PERSONNELS**
[72] SHOPSOWITZ, NOAH, CA
[71] SHOPSOWITZ, NOAH, CA
[22] 2017-04-24
[41] 2017-10-22
[30] US (62/326,321) 2016-04-22

[21] **2,964,936**
[13] A1

[51] **Int.Cl. H04L 12/16 (2006.01) G06F 15/18 (2006.01) G06F 17/20 (2006.01) G06F 17/27 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FACILITATING COMPUTER GENERATED CONVERSATIONS WITH THE AID OF A DIGITAL COMPUTER**
[54] **SYSTEME ET METHODE PERMETTANT DE TENIR DES CONVERSATIONS GENEREES PAR L'ORDINATEUR A L'AIDE D'UN ORDINATEUR NUMERIQUE**
[72] LALJI, ALKARIM, US
[72] WELLS, ANDREW A., US
[71] SMARTBOTHUB LLC, US
[22] 2017-04-24
[41] 2017-10-22
[30] US (62/326,274) 2016-04-22
[30] US (15/494,385) 2017-04-21

[21] **2,964,945**
[13] A1

[51] **Int.Cl. G01R 33/565 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PRODUCING DISTORTION FREE MAGNETIC RESONANCE IMAGES USING DUAL-ECHO ECHO-PLANAR IMAGING**
[54] **SYSTEME ET METHODE DE PRODUCTION D'IMAGES DE RESONANCE MAGNETIQUE SANS DISTORSION AU MOYEN DE L'IMAGERIE ECHOPLANAIRE A DOUBLE ECHO**
[72] GERAGHTY, BENJAMIN J., CA
[72] CUNNINGHAM, CHARLES H., CA
[71] SUNNYBROOK RESEARCH INSTITUTE, CA
[22] 2017-04-24
[41] 2017-10-22
[30] US (62/326,314) 2016-04-22

[21] **2,964,987**
[13] A1

[51] **Int.Cl. B64D 13/00 (2006.01) B64D 13/02 (2006.01) B64D 13/06 (2006.01)**
[25] EN
[54] **ENVIRONMENTAL CONTROL SYSTEM UTILIZING A MOTOR ASSIST AND AN ENHANCED COMPRESSOR**
[54] **SYSTEME DE CONTROLE ENVIRONNEMENTAL EMPLOYANT UNE ASSISTANCE MOTEUR ET UN COMPRESSEUR AMELIORE**
[72] BRUNO, LOUIS J., US
[72] HIPSKY, HAROLD W., US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2017-04-20
[41] 2017-10-22
[30] US (15/136,210) 2016-04-22

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[21] **2,964,989**
[13] A1

[51] **Int.Cl. B64D 13/00 (2006.01) B64D 13/02 (2006.01) B64D 13/06 (2006.01)**
[25] EN
[54] **ENVIRONMENTAL CONTROL SYSTEM UTILIZING BLEED PRESSURE ASSIST**
[54] **SYSTEME DE CONTROLE ENVIRONNEMENTAL EMPLOYANT UNE AIDE DE PRESSION DE PURGE**
[72] BRUNO, LOUIS J., US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2017-04-20
[41] 2017-10-22
[30] US (15/136,403) 2016-04-22

[21] **2,964,992**
[13] A1

[51] **Int.Cl. B64D 13/06 (2006.01) B64D 13/00 (2006.01) B64D 13/02 (2006.01)**
[25] EN
[54] **ENVIRONMENTAL CONTROL SYSTEM UTILIZING MULTIPLE MIX POINTS FOR RECIRCULATION AIR IN ACCORDANCE WITH PRESSURE MODE**
[54] **SYSTEME DE CONTROLE ENVIRONNEMENTAL EMPLOYANT PLUSIEURS POINTS DE MELANGE POUR L'AIR DE RECIRCULATION EN FONCTION DU MODE DE PRESSION**
[72] BRUNO, LOUIS J., US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2017-04-20
[41] 2017-10-22
[30] US (15/136,261) 2016-04-22

[21] **2,964,994**
[13] A1

[51] **Int.Cl. F24F 5/00 (2006.01) B64D 13/00 (2006.01)**
[25] EN
[54] **ENVIRONMENTAL CONTROL SYSTEM UTILIZING TWO PASS SECONDARY HEAT EXCHANGER AND CABIN PRESSURE ASSIST**
[54] **SYSTEME DE CONTROLE ENVIRONNEMENTAL EMPLOYANT UN ECHANGEUR THERMIQUE SECONDAIRE A DEUX PASSAGES ET ASSISTE PAR CABINE DE PRESSION**
[72] BRUNO, LOUIS J., US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2017-04-20
[41] 2017-10-22
[30] US (15/136,139) 2016-04-22

[21] **2,965,005**
[13] A1

[51] **Int.Cl. A01C 7/16 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **ROW PLANTER WITH ADJUSTABLE GAUGE WHEELS**
[54] **SEMEUSE A ROUES DE JAUGE AJUSTABLES**
[72] SIVINSKI, JEFFREY ALAN, US
[72] FRIESEN, BYRON J., US
[71] HARVEST INTERNATIONAL, INC., US
[22] 2017-04-21
[41] 2017-10-22
[30] US (62/326063) 2016-04-22
[30] US (15/493382) 2017-04-21

[21] **2,965,007**
[13] A1

[51] **Int.Cl. H02J 7/35 (2006.01) F21L 4/08 (2006.01) F21V 23/04 (2006.01) H05B 37/02 (2006.01)**
[25] EN
[54] **INTEGRATED LIGHTING SYSTEM**
[54] **SYSTEME D'ECLAIRAGE INTEGRE**
[72] WEISER, MICHAEL, US
[72] WEISER, MARGARET, US
[71] EXHART ENVIRONMENTAL SYSTEMS, INC., US
[22] 2017-04-21
[41] 2017-10-22
[30] US (62/326,493) 2016-04-22
[30] US (15/487,204) 2017-04-13

[21] **2,965,011**
[13] A1

[51] **Int.Cl. F16B 37/12 (2006.01) B23P 6/00 (2006.01)**
[25] EN
[54] **THREAD REPAIR INSERT**
[54] **INSERTION DE REPARATION FILETEE**
[72] SCHUCK, PAUL E., US
[71] UNDERCAR EXPRESS, LLC, US
[22] 2017-04-24
[41] 2017-10-22
[30] US (62/326,383) 2016-04-22

[21] **2,965,018**
[13] A1

[51] **Int.Cl. H05B 6/10 (2006.01) F17D 1/18 (2006.01) F24H 1/14 (2006.01) H05B 6/06 (2006.01)**
[25] EN
[54] **INDUCTIVE HEATER FOR FLUIDS**
[54] **APPAREIL DE CHAUFFAGE DE FLUIDES PAR INDUCTION**
[72] HOFFMAN, MICHAEL, US
[72] WANG, SHUPING, US
[72] DEESE, ANTHONY S., US
[71] HYDRA HEATING INDUSTRIES, LLC, US
[22] 2017-04-24
[41] 2017-10-24
[30] US (62/326,824) 2016-04-24
[30] US (62/331,987) 2016-05-05

[21] **2,965,020**
[13] A1

[51] **Int.Cl. B64D 13/00 (2006.01) B64D 13/02 (2006.01) F04D 29/26 (2006.01) F04D 29/40 (2006.01) F24F 5/00 (2006.01)**
[25] EN
[54] **ENVIRONMENTAL CONTROL SYSTEM UTILIZING ENHANCED COMPRESSOR**
[54] **SYSTEME DE CONTROLE ENVIRONNEMENTAL EMPLOYANT UN COMPRESSEUR AMELIORE**
[72] BRUNO, LOUIS J., US
[72] HIPSKY, HAROLD W., US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2017-04-21
[41] 2017-10-22
[30] US (15/136,329) 2016-04-22

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demandes mises à la disponibilité du public non disponibles auparavant**

[21] **2,965,056**
[13] A1

[51] **Int.Cl. G01R 29/26 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR
EXTRACTION OF NOISE
PARAMETERS OF NONLINEAR
DEVICES**
[54] **METHODE ET SYSTEME
D'EXTRACTION DE
PARAMETRES DE BRUIT DE
DISPOSITIFS NON LINEAIRES**
[72] BELOSTOTSKI, LEO, CA
[72] HIMMELFARB, MICHAEL, CA
[71] UTI LIMITED PARTNERSHIP, CA
[22] 2017-04-21
[41] 2017-10-22
[30] US (62/326,458) 2016-04-22
[30] US (62/376,281) 2016-08-17

[21] **2,965,057**
[13] A1

[51] **Int.Cl. B62H 3/02 (2006.01)**
[25] EN
[54] **RACK FOR SUPPORTING A
BICYCLE IN A GENERALLY
UPRIGHT POSITION**
[54] **SUPPORT DESTINE A
MAINTENIR UNE BICYCLETTE
DANS UNE POSITION
GENERALEMENT VERTICALE**
[72] LITTLE, DENNIS CHARLES, CA
[71] LITTLE, DENNIS CHARLES, CA
[22] 2017-04-24
[41] 2017-10-22
[30] US (15/135,814) 2016-04-22

[21] **2,965,068**
[13] A1

[51] **Int.Cl. E21B 34/06 (2006.01) E21B
47/00 (2012.01) E21B 47/10 (2012.01)**
[25] EN
[54] **APPARATUS, SYSTEMS AND
METHODS FOR CONTROLLING
FLOW COMMUNICATION WITH
A SUBTERRANEAN FORMATION**
[54] **APPAREIL, SYSTEMES ET
METHODES DE CONTROLE DE
LA COMMUNICATION DU FLUX
DANS UNE FORMATION
SOUTERRAINE**
[72] JOHNSON, TIM, CA
[72] RAVENSBERGEN, JOHN, CA
[71] NCS MULTISTAGE INC., CA
[22] 2017-04-24
[41] 2017-10-22
[30] US (62/326,306) 2016-04-22

[21] **2,965,291**
[13] A1

[51] **Int.Cl. A01K 5/01 (2006.01) A01K
5/00 (2006.01)**
[25] EN
[54] **BALE FEEDER APPARATUS,
SYSTEM AND METHOD**
[54] **APPAREIL D'ALIMENTATION DE
BALLOT, SYSTEME ET
METHODE**
[72] STUDEBAKER, ROBERT L., JR., US
[71] STUDEBAKER, ROBERT L., JR., US
[22] 2017-04-24
[41] 2017-10-22
[30] US (62/326,500) 2016-04-22
[30] US (62/365,324) 2016-07-21

[21] **2,977,184**
[13] A1

[51] **Int.Cl. C07C 303/22 (2006.01) C07C
309/14 (2006.01)**
[25] EN
[54] **CYCLIC PROCESS FOR
PRODUCING TAURINE**
[54] **PROCEDE CYCLIQUE DE
PRODUCTION DE TAURINE**
[72] HU, SONGZHOU, US
[71] VITAWORKS IP, LLC, US
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[25] EN
[54] **TABLETS ENCASED WITHIN
BLOCK FOR CHEMICAL OR
BIOCHEMICAL WARFARE**
[54] **CAPLETS ENCAPSULES DANS UN
BLOC EN VUE DE LA GUERRE
CHIMIQUE OU BIOCHIMIQUE**
[72] JOEL, KEVIN, CA
[71] JOEL, KEVIN, CA
[22] 2017-08-29
[41] 2017-10-24

[21] **2,979,622**
[13] A1

[51] **Int.Cl. G06F 9/50 (2006.01)**
[25] EN
[54] **REMOTE PROCESS EXECUTION
MANAGEMENT**
[54] **GESTION D'EXECUTION DE
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[72] TAYLOR, BRETT R., US
[71] AMAZON TECHNOLOGIES, INC.,
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16/20 (2009.01) H04W 92/02 (2009.01)
F24D 19/10 (2006.01) F24F 11/00
(2006.01) G05B 21/02 (2006.01) H04B
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[25] EN
[54] **WIRELESS BUILDING
MANAGEMENT SYSTEM AND
METHOD USING A BUILDING
MODEL**
[54] **SYSTEME DE GESTION
D'IMMEUBLE SANS FIL ET
PROCEDE UTILISANT UN
MODELE D'IMMEUBLE**
[72] ROSCA, JUSTINIAN, US
[72] AHMED, OSMAN, US
[72] SASTRY, CHELLURY R., US
[72] LEBLANC, RICHARD J., US
[71] SIEMENS INDUSTRY, INC., US
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[13] A1

[51] **Int.Cl. G06Q 30/00 (2012.01) H04M 3/527 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CUSTOMER CONTACT**
[54] **SYSTEMES ET PROCEDES PERMETTANT UN CONTACT CLIENT**
[72] JAY, JON R., US
[72] DASHE, JEREMY A., US
[72] JUDKINS, BROCK A., US
[72] KAUFMAN, DONALD L., US
[72] LIN, YUNG-CHUN, US
[72] SHARPE, RAYMOND P., JR., US
[72] SULLIVAN, JOSEPH D., US
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[13] A1

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[25] EN
[54] **REDUCED-PRESSURE, COMPRESSION SYSTEMS AND APPARATUSES FOR USE ON A CURVED BODY PART**
[54] **SYSTEMES ET APPAREILS DE COMPRESSION A PRESSION REDUITE DESTINES A ETRE UTILISES SUR UNE PARTIE INCURVEE DU CORPS**
[72] WILKES, ROBERT PEYTON, US
[72] LONG, JUSTIN ALEXANDER, US
[72] KAZALA, RICHARD MARVIN, JR., US
[71] KCI LICENSING, INC., US
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[30] US (61/057,808) 2008-05-30
[30] US (61/057,802) 2008-05-30
[30] US (61/057,805) 2008-05-30
[30] US (61/121,362) 2008-12-10
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[21] **2,980,599**
[13] A1

[51] **Int.Cl. C09K 11/80 (2006.01) C01F 7/02 (2006.01) C01F 7/30 (2006.01) C01F 7/44 (2006.01) C09K 11/64 (2006.01)**
[25] EN
[54] **ALUMINA, LUMINOPHORES AND MIXED COMPOUNDS, AND ASSOCIATED PRODUCTION METHODS**
[54] **ALUMINE, LUMINOPHORES ET COMPOSES MIXTES AINSI QUE PROCEDES DE PREPARATION ASSOCIES**
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[71] BAIKOWSKI, FR
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[30] FR (0901317) 2009-03-20

[21] **2,980,607**
[13] A1

[51] **Int.Cl. H04L 12/805 (2013.01) H04L 12/873 (2013.01) H04L 12/875 (2013.01)**
[25] EN
[54] **RESOURCE SHARING IN A TELECOMMUNICATIONS ENVIRONMENT**
[54] **PARTAGE DE RESSOURCES DANS UN ENVIRONNEMENT DE TELECOMMUNICATIONS**
[72] TZANNES, MARCOS C., US
[72] LUND, MICHAEL, US
[71] TQ DELTA, LLC, US
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[41] 2006-04-27
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[13] A1

[51] **Int.Cl. E21B 43/10 (2006.01) E21B 33/14 (2006.01) E21B 34/06 (2006.01) E21B 34/16 (2006.01)**
[25] EN
[54] **TELEMETRY OPERATED TOOLS FOR CEMENTING A LINER STRING**
[54] **OUTILS EXPLOITES PAR TELEMETRIE SERVANT A CIMENTER UNE COLONNE DE TUBAGE**
[72] GIROUX, RICHARD LEE, US
[72] PURKIS, DANIEL, GB
[72] DALZELL, RICHARD, GB
[72] DUTHIE, JASON, GB
[72] JAFFREY, IAN, GB
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
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[62] 2,908,994
[30] US (61/811,007) 2013-04-11
[30] US (61/841,058) 2013-06-28
[30] US (61/950,421) 2014-03-10
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[21] **2,980,782**
[13] A1

[51] **Int.Cl. A01N 1/02 (2006.01) A61M 16/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR EX VIVO ORGAN CARE**
[54] **SYSTEMES ET METHODES DE TRAITEMENT EX VIVO D'ORGANES**
[72] KYI, STANLEY, US
[72] HAVENER, ROBERT, US
[72] HASSANEIN, WALEED, US
[72] KHAYAL, TAMER, US
[72] SALEH, HESHAM, US
[72] FATTAH, IHAB ABDEL, US
[72] TRACHTENBERG, JON, US
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[21] **2,980,883**
[13] A1

[51] **Int.Cl. C07K 16/10 (2006.01) C07K 14/16 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01) C12Q 1/70 (2006.01)**

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[54] **HUMAN IMMUNODEFICIENCY VIRUS (HIV)-NEUTRALIZING ANTIBODIES**

[54] **ANTICORPS NEUTRALISANTS ANTI-VIRUS DE L'IMMUNODEFICIENCE HUMAINE (VIH)**

[72] CHAN-HUI, PO-YING, US

[72] MITCHAM, JENNIFER, US

[72] OLSEN, OLE, US

[72] FREY, STEVEN, US

[72] MOYLE, MATTHEW, US

[72] PHOGAT, SANJAY K., US

[72] BURTON, DENNIS R., US

[72] WALKER, LAURA MARJORIE, US

[72] POIGNARD, PASCAL RAYMOND GEORGES, US

[72] DE JEAN DE ST. MARCEL SIMEK-LEMONS, MELISSA DANIELLE, US

[72] KOFF, WAYNE, US

[72] KAMINSKY, STEPHEN, US

[71] THERACLONE SCIENCES, INC., US

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[71] THE SCRIPPS RESEARCH INSTITUTE, US

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[30] US (61/285,664) 2009-12-11

[21] **2,981,388**
[13] A1

[51] **Int.Cl. C22C 38/00 (2006.01)**

[25] EN

[54] **PROCESS FOR SETTING THE THERMAL CONDUCTIVITY OF A STEEL, TOOL STEEL, IN PARTICULAR HOT-WORK STEEL, AND STEEL OBJECT**

[54] **PROCEDE D'AJUSTEMENT DE LA CONDUCTIVITE THERMIQUE D'UN ACIER, ACIER A OUTILS, NOTAMMENT ACIER A OUTILS POUR TRAVAIL A CHAUD ET ARTICLE EN ACIER**

[72] VALLS ANGLES, ISAAC, ES

[71] ROVALMA, S.A., ES

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[21] **2,981,431**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/7105 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR THE TREATMENT OF PERSISTENT INFECTIONS**

[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT D'INFECTIONS PERSISTANTES**

[72] FREEMAN, GORDON, US

[72] SHARPE, ARLENE, US

[72] DORFMAN, DAVID M., US

[72] AHMED, RAFI, US

[72] BARBER, DANIEL, US

[72] WHERRY, E. JOHN, US

[71] DANA-FARBER CANCER INSTITUTE INC., US

[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US

[71] EMORY UNIVERSITY, US

[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US

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[41] 2006-12-14

[62] 2,611,861

[30] US (60/688,872) 2005-10-08

[21] **2,981,441**
[13] A1

[51] **Int.Cl. H01M 4/04 (2006.01)**

[25] EN

[54] **WEB LIFTER/STABILIZER AND METHOD**

[54] **DISPOSITIF DE LEVAGE/STABILISATEUR DE BANDE ET PROCEDE ASSOCIE**

[72] ANDERSON, KIM A., US

[72] MAKI, ERIC, US

[72] GLENN, GEORGE, US

[71] MEGTEC SYSTEMS, INC., US

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[62] 2,836,081

[30] US (61/493,046) 2011-06-03

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[13] A1

[51] **Int.Cl. C09K 3/00 (2006.01) C08J 9/14 (2006.01) C09K 5/04 (2006.01)**

[25] EN

[54] **AZEOTROPE-LIKE COMPOSITIONS OF CIS-1,1,1,4,4,4-HEXAFLUORO-2-BUTENE**

[54] **COMPOSITIONS DE TYPE AZEOTROPE DE CIS-1,1,1,4,4,4-HEXAFLUORO-2-BUTENE**

[72] CHENEY, MARTIN (DECEASED), US

[72] HULSE, RYAN, US

[72] SINGH, RAJIV RATNA, US

[72] PAONESSA, MARTIN R., US

[72] PHAM, HANG T., US

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[72] GITTERE, CLIFF, US

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[21] **2,982,016**
[13] A1

[51] **Int.Cl. B05B 7/28 (2006.01)**
[25] EN
[54] **SYSTEM COMPRISING A SPRAY COATING DEVICE WITH A LIQUID SUPPLY CONTAINER**
[54] **RECIPIENT DE LIQUIDE POUR UN DISPOSITIF DE REVETEMENT PAR PULVERISATION**
[72] BURNS, MARVIN DEAN, US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2011-07-11
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[62] 2,805,291
[30] US (61/363,637) 2010-07-12
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[21] **2,982,084**
[13] A1

[51] **Int.Cl. G06Q 40/04 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMPROVING THE LIQUIDITY AND DISTRIBUTION NETWORK FOR LUXURY AND OTHER ILLIQUID ITEMS**
[54] **SYSTEMES ET METHODES D'AMELIORATION DE LA LIQUIDITE ET DU RESEAU DE DISTRIBUTION D'ARTICLES DE LUXE ET AUTRES ARTICLES ILLIQUIDES**
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[72] HEATON, TIMOTHY H., US
[71] BGC PARTNERS, INC., US
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[13] A1

[51] **Int.Cl. E02B 3/16 (2006.01) E02B 3/10 (2006.01) E02B 7/00 (2006.01) E02B 7/02 (2006.01) E02B 7/44 (2006.01)**
[25] EN
[54] **WATER CONTROL GATE AND ACTUATOR THEREFORE**
[54] **VANNE DE GARDE D'EAU ET ACTIONNEUR CORRESPONDANT**
[72] OBERMEYER, HENRY K., US
[72] MO, T.W., KR
[72] ECKMAN, ROBERT D., US
[71] OBERMEYER, HENRY K., US
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[13] A1

[51] **Int.Cl. A01D 87/00 (2006.01) A01D 87/12 (2006.01) A01F 29/00 (2006.01)**
[25] EN
[54] **TWINE SHEAR FOR A BALE PROCESSOR**
[54] **APPAREIL DE RETOURNEMENT DE BALLE DESTINE A UN APPAREIL DE TRAITEMENT DE BALLE**
[72] NEUDORF, BLAKE, CA
[72] SUMMACH, MONTGOMERIE, CA
[72] DOKKEN, JOEL, CA
[72] KONDRA, GENE, CA
[71] HIGHLINE MANUFACTURING LTD., CA
[22] 2016-02-11
[41] 2017-08-11
[62] 2,920,470

[21] **2,983,178**
[13] A1

[51] **Int.Cl. G06F 3/0481 (2013.01) G06F 3/0488 (2013.01)**
[25] EN
[54] **PORTABLE ELECTRONIC DEVICE WITH INTERFACE RECONFIGURATION MODE**
[54] **DISPOSITIF ELECTRONIQUE PORTABLE A MODE DE RECONFIGURATION D'INTERFACE**
[72] VAN OS, MARCEL, US
[72] ANZURES, FREDDY A., US
[72] FORSTALL, SCOTT, US
[72] CHRISTIE, GREG, US
[72] ORDING, BAS, US
[72] CHAUDHRI, IMRAN, US
[72] LEMAY, STEPHEN O., US
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[62] 2,890,778
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[21] **2,983,222**
[13] A1

[51] **Int.Cl. F16L 37/08 (2006.01) A61M 39/18 (2006.01) F16L 37/12 (2006.01) F16L 37/30 (2006.01)**
[25] EN
[54] **STERILE CONNECTION/DISCONNECTION COUPLING AND METHOD**
[54] **COUPLAGE ET PROCEDURE DE LIAISON/SEPARATION STERILE**
[72] VIGNA, JAMES, US
[72] MULDOON, JOSEPH, US
[72] CIECIUCH, JOHN, US
[72] LANGLOIS, ROBERT, US
[71] EMD MILLIPORE CORPORATION, US
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[62] 2,906,223
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[21] **2,983,347**
[13] A1

[51] **Int.Cl. G01F 25/00 (2006.01) B64F 5/60 (2017.01) B64C 25/58 (2006.01) F16F 9/32 (2006.01)**
[25] EN
[54] **AIRCRAFT SHOCK STRUT HAVING A FLUID LEVEL MONITOR**
[54] **JAMBE A AMORTISSEUR D'AERONEF POURVUE D'UN MONITEUR DE NIVEAU DE LIQUIDE**
[72] LUCE, WILLIAM E., US
[71] GOODRICH CORPORATION, US
[22] 2010-09-24
[41] 2011-03-29
[62] 2,715,766
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[13] A1

[51] **Int.Cl. A01D 34/68 (2006.01)**
[25] EN
[54] **ALL WHEEL DRIVE, WALK BEHIND MOWER**
[54] **TONDEUSE POUSSEE A TRACTION INTEGRALE**
[72] HELGESEN, JOHN, US
[72] LENNINGS, ERIC, US
[72] FANCHER, ROBERT, US
[72] LAMBERT, MATTHEW M., US
[71] HUSQVARNA AB, SE
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[62] 2,962,238

[21] **2,983,500**
[13] A1

[51] **Int.Cl. A61N 1/36 (2006.01)**
[25] EN
[54] **PATTERNED STIMULATION INTENSITY FOR NEURAL STIMULATION**
[54] **INTENSITE DE STIMULATION PROFILEE POUR STIMULATION NEURALE**
[72] TYLER, DUSTIN, US
[72] TAN, DANIEL, US
[72] SCHIEFER, MATTHEW, US
[71] CASE WESTERN RESERVE UNIVERSITY, US
[22] 2014-12-16
[41] 2015-06-25
[62] 2,933,555
[30] US (PCT/US2013/075329) 2013-12-16

[21] **2,983,525**
[13] A1

[51] **Int.Cl. G06F 3/048 (2013.01)**
[25] EN
[54] **POSITIONING OF COMPONENTS IN A USER INTERFACE**
[54] **POSITIONNEMENT DE COMPOSANTS DANS UNE INTERFACE D'UTILISATEUR**
[72] MATAS, MICHAEL, US
[72] WALKIN, BRANDON MARSHALL, US
[71] FACEBOOK, INC., US
[22] 2014-10-09
[41] 2015-04-16
[62] 2,926,516
[30] US (14/051,326) 2013-10-10

[21] **2,983,530**
[13] A1

[51] **Int.Cl. F16H 15/28 (2006.01) F16H 61/664 (2006.01) F16H 63/16 (2006.01)**
[25] EN
[54] **CONTINUOUSLY VARIABLE TRANSMISSION**
[54] **TRANSMISSION A VARIATION CONTINUE**
[72] LOHR, CHARLES B., US
[72] POHL, BRAD P., US
[72] THOMASSY, FERNAND A., US
[71] FALLBROOK INTELLECTUAL PROPERTY COMPANY, LLC, US
[22] 2008-07-01
[41] 2009-01-08
[62] 2,692,476
[30] US (60/948,152) 2007-07-05

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[13] A1

[51] **Int.Cl. A61M 25/06 (2006.01) A61M 39/02 (2006.01) A61M 39/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING A FLUSHABLE CATHETER ASSEMBLY**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE FOURNIR UN ENSEMBLE CATHETER POUVANT ETRE CHASSE**
[72] STOUT, MARTY L., US
[72] HARDING, WESTON F., US
[72] ISAACSON, RAY S., US
[72] MCKINNON, AUSTIN JASON, US
[71] BECTON, DICKINSON AND COMPANY, US
[22] 2010-02-11
[41] 2010-08-19
[62] 2,752,025
[30] US (61/151,775) 2009-02-11
[30] US (12/544,625) 2009-08-20
[30] US (12/703,336) 2010-02-10

[21] **2,983,696**
[13] A1

[51] **Int.Cl. E21B 43/26 (2006.01) E21B 33/124 (2006.01) E21B 34/10 (2006.01) E21B 34/12 (2006.01)**
[25] EN
[54] **TOOL AND METHOD FOR FRACTURING A WELLBORE**
[54] **OUTIL ET METHODE DE FRACTURATION D'UN TROU DE FORAGE**
[72] ARABSKYY, SERHIY, CA
[71] TARTAN COMPLETION SYSTEMS INC., CA
[22] 2013-03-15
[41] 2013-05-29
[62] 2,809,946
[30] US (62/675,009) 2012-07-24

[21] **2,983,726**
[13] A1

[51] **Int.Cl. G07F 9/00 (2006.01) A63F 13/45 (2014.01) G07F 17/32 (2006.01)**
[25] EN
[54] **USER-SPECIFIC DISPENSING SYSTEM**
[54] **SYSTEME DE DISTRIBUTION SPECIFIQUE D'UN UTILISATEUR**
[72] ZITO, ARTHUR J., JR., US
[71] ZITO, ARTHUR J., JR., US
[22] 2005-11-16
[41] 2006-05-26
[62] 2,587,799
[30] US (10/990,595) 2004-11-17

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[21] **2,983,856**

[13] A1

[51] **Int.Cl. A61B 10/02 (2006.01)**

[25] EN

[54] **TRANSPERINEAL PROSTATE
NEEDLE BIOPSY SYSTEM**

[54] **SYSTEME DE BIOPSIE DE LA
PROSTATE PAR VOIE
TRANSPERINEALE AU MOYEN
D'UNE AIGUILLE**

[72] STONE, NELSON, US

[72] SCHECHTER, DAVE, US

[71] 3DBIOPSY LLC, US

[22] 2015-02-27

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[21] **2,983,920**

[13] A1

[51] **Int.Cl. B01D 53/14 (2006.01) B01D
53/52 (2006.01) B01D 53/62 (2006.01)**

[25] EN

[54] **SEPARATING CARBON DIOXIDE
AND HYDROGEN SULFIDE FROM
A NATURAL GAS STREAM USING
CO-CURRENT CONTACTING
SYSTEMS**

[54] **SEPARATION DU DIOXYDE DE
CARBONE ET DU SULFURE
D'HYDROGENE D'UN FLUX DE
GAZ NATUREL A L'AIDE DE
SYSTEMES DE MISE EN
CONTACT DE CO-COURANTS**

[72] NORTHROP, PAUL SCOTT, US

[72] MART, CHARLES J., US

[72] CULLINANE, J. TIM, US

[71] EXXONMOBIL UPSTREAM
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[22] 2014-05-02

[41] 2014-11-13

[62] 2,908,215

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Index of Canadian Patents Issued

November 14, 2017

Index des brevets canadiens délivrés

14 novembre 2017

1304338 ALBERTA LTD.	2,956,439	ARLOTTI, AGATHE	2,839,579	BELLIVEAU, DANIEL	
1304342 ALBERTA LTD.	2,956,439	ARORA, TARUNA	2,782,420	ALDERIC	2,904,828
A. RICHARD TOOLS CO./		ARSENAULT, JONATHAN		BEN MUVHAR, SHMUEL	2,870,392
OUTILS A. RICHARD CO.	2,727,586	ALLAN	2,748,266	BERUBE, ARTHUR A.	2,833,710
A. RICHARD TOOLS		ARVINTE, ROMEO	2,727,586	BHASIN, RAJINDER	2,684,479
CO./OUTILS A. RICHARD		ARVINTE, ROMEO	2,846,733	BIOFIRE DEFENSE, LLC	2,756,300
CO.	2,846,733	ARXIUM, INC.	2,833,710	BIVER, CLAUDINE	2,769,194
ABBVIE BIOTECHNOLOGY		ASCENSIA DIABETES CARE		BLACKBERRY LIMITED	2,792,662
LTD.	2,760,237	HOLDINGS AG	2,598,577	BLACKBERRY LIMITED	2,809,599
ABEL, LEO WILLIAM	2,952,816	ASEPTIA, INC.	2,762,654	BLACKER, RICHARD	2,827,862
ABK BIOMEDICAL		ASGHAR, SAFDAR	2,672,437	BLANQUET, MICHEL	2,702,571
INCORPORATED	2,825,512	AUBERT, ROGER	2,806,106	BLASER, DAVID	2,868,938
ABRAHAM, ROBERT J.	2,825,512	AUSPEX		BLISS, THERON J.	2,860,818
ABRAHAM, WILLIAM D.	2,774,124	PHARMACEUTICALS,		BLITZ, RICHARD ERNEST	2,811,408
ABU-REZIQ, RAED	2,732,368	INC.	2,680,912	BLONDIN, TRICIA A.	2,770,928
ACHILLION		AWASTHI, ALOK KUMAR	2,914,135	BOCK, MARK G.	2,765,983
PHARMACEUTICALS,		AYANO, SATORU	2,848,875	BOEHRINGER INGELHEIM	
INC.	2,746,264	BAAS, FRANK	2,666,466	INTERNATIONAL GMBH	2,810,295
ACHTNER, GERFRIED		BACHELET, IDO	2,814,047	BOERSMA, ARJEN	2,710,272
RUDOLF	2,850,800	BAKER HUGHES		BOGATAJ, MARKO	2,890,825
AEROVIRONMENT, INC.	2,769,649	INCORPORATED	2,841,926	BOLY MEDIA	
AGARWAL, ATUL	2,746,264	BAKER HUGHES		COMMUNICATIONS	
AGS COMPANY		INCORPORATED	2,890,150	(SHENZHEN) CO., LTD	2,840,267
AUTOMOTIVE		BAKER HUGHES		BOND, JAMES R.	2,788,893
SOLUTIONS LLC	2,807,293	INCORPORATED	2,893,084	BORTH, DAVID T.	2,750,322
AHMADI, REZA	2,859,371	BAKER HUGHES		BOSE CORPORATION	2,900,294
AHMED, FERYAN	2,806,332	INCORPORATED	2,893,085	BOSE CORPORATION	2,900,980
AICHI STEEL CORPORATION	2,880,247	BAKER HUGHES		BOSTON SCIENTIFIC SCIMED,	
AIR PRODUCTS AND		INCORPORATED	2,897,397	INC.	2,770,987
CHEMICALS, INC.	2,919,819	BAKER HUGHES		BOUSSETOUA, MOHAMMED	2,806,106
AIRBUS OPERATIONS	2,704,385	INCORPORATED	2,906,412	BOUVIER, JACQUES	2,868,938
ALCOA USA CORP.	2,893,366	BAKER HUGHES		BOWDLE, DONALD E.	2,793,177
ALEMAN, AINEL	2,726,571	INCORPORATED	2,912,196	BOYD, DANIEL	2,825,512
ALLEN, JOHN R.	2,887,390	BALAGOPAL, AJIT	2,893,085	BOYD, MALCOLM	2,744,866
ALLEN-VANGUARD		BALDWIN, DAVID PETER	2,934,358	BOYER, REJEAN	2,934,821
CORPORATION	2,744,253	BANTING, JOHN FREDERICK	2,739,096	BOYSEL, DARL G.	2,893,366
ALLFLEX USA, INC.	2,780,391	BAPTISTA, DANIEL	2,784,046	BRADSHAW, MAXFIELD	
ALLISON TRANSMISSION,		BARATTO, MICHAEL JOHN	2,770,928	PAUL	2,897,693
INC.	2,784,384	BARE, REX O.	2,705,796	BRAKELEY, NATHANIEL M.	2,860,253
ALLPHIN, CLARK	2,740,146	BARKER, MATTHEW	2,577,556	BRAND, DIETMAR TIEMO	2,897,693
ALTHOFF, CHARLES P.	2,886,031	BARTHOLOMEW, MARK		BREIDENBACH, VINCENT	
ALTICAST CORPORATION	2,797,306	EDWARD	2,732,668	SEAN	2,913,161
ALTONEN, GENE MICHAEL	2,913,161	BATEMAN, LEIGH	2,780,391	BRITTON, AHREN THOMAS	2,914,452
ALTRIA CLIENT SERVICES		BATTELLE MEMORIAL		BROCHMANN, OYVIND	2,903,902
LLC	2,835,207	INSTITUTE	2,696,115	BROOKER, JEFFREY S.	2,777,465
AMAZON TECHNOLOGIES,		BAUM, MARINA	2,774,124	BROOKS, WALTER PHILLIP	2,687,111
INC.	2,898,478	BAUSCH & LOMB		BROWN, DANIEL V.	2,598,577
AMETAMEY, SIMON MENSAH	2,736,861	INCORPORATED	2,914,135	BROWN, PHILIP A.	2,786,571
AMGEN INC.	2,782,420	BCE INC.	2,748,266	BRYANT, AMBER M.	2,860,253
ANDERSSON, JENS OLA	2,792,662	BECTON DICKINSON AND		BSH HOME APPLIANCES	
AOKI, HIROFUMI	2,897,373	COMPANY LIMITED	2,905,901	CORPORATION	2,780,642
ARAI, KAZUO	2,880,247	BEEKMANN, ALFRED	2,860,496	BUCHHEL, SVEN	2,827,786
ARAKI YASSUDA, SERGIO	2,760,411	BELL HELICOPTER TEXTRON		BUENO, CARLOS M.	2,887,390
ARAKI, SUGURU	2,829,185	INC.	2,806,106		
ARLIA, NICOLA G.	2,822,808	BELL, PAUL A.	2,860,253		

Index of Canadian Patents Issued November 14, 2017

BUILDING MATERIALS INVESTMENT CORPORATION	2,888,820	CLARK, DONALD R.	2,914,452	DEMARCO, ANTHONY	2,739,184
BUILDING MATERIALS INVESTMENT CORPORATION	2,902,693	CLASQUIN, JAMES L.	2,781,613	DENIS, BERNARD	2,784,046
BUNICK, FRANK J.	2,775,126	CLASS 1 INC.	2,770,928	DENISOV, EDUARD V.	2,835,501
BURNS, LAWRENCE J.	2,598,577	CLOSE, RYAN SPENCER	2,893,046	DERMOTT, JEFF	2,788,893
BURTON, DENNIS R.	2,755,821	COHEN, ERICA EDEN	2,886,031	DESAI, UMESH C.	2,919,460
BUSHKO, DARIUSZ ANTONI	2,900,294	COHEN, JOSEPH PERRY	2,919,819	DESHPANDE, MILIND	2,746,264
BUSHKO, DARIUSZ ANTONI	2,900,980	COKER, CHRISTOPHER E.	2,840,235	DEWEY, ROBERT J.	2,893,046
BUZZA, STEPHEN A.	2,888,820	COLBY, DANIEL E.	2,846,173	DHESE, KEITH	2,777,465
C-PAK, LLC	2,597,192	COMCAST CABLE COMMUNICATIONS, LLC	2,692,569	DIALIGHT CORPORATION	2,896,868
CABLE, FRANK	2,643,952	COMMUNICATION		DIAS, LIBARDO OCHOA	2,935,235
CAI, HUALIN	2,918,107	COMPONENTS ANTENNA INC.	2,708,114	DICK, ROBERT E.	2,893,366
CALKINS, FREDERICK T.	2,782,893	CONCERT PHARMACEUTICALS, INC.	2,771,123	DICKMAN, JEFF	2,859,371
CALLEGARO, LANFRANCO	2,763,945	CONNELY, LISA	2,791,140	DIEHL, ERIC	2,732,668
CALLUIERE, JOHAN	2,793,250	COOL PLANET ENERGY SYSTEMS, INC.	2,749,982	DIENENTHAL, JOERG	2,799,131
CANADIAN NATIONAL RAILWAY COMPANY	2,577,556	COOPER TECHNOLOGIES COMPANY	2,739,096	DIETRICH, CHARLES E.	2,786,571
CANO, JEAN-PAUL	2,769,194	COPP-HOWLAND, WARREN W.	2,643,952	DIETRICH, DAVID M.	2,782,530
CAO, XINGDA	2,884,667	CORDOBA, JOSE LUIS	2,922,610	DINJUS, THOMAS ERNST	2,893,046
CARDINAL, MARK EDWARD	2,893,046	CORDOVA, LEE HARRIS	2,811,838	DISTELDORF, BERND	2,827,862
CAREFUSION 303, INC.	2,805,738	CORNERSTONE PHARMACEUTICALS, INC.	2,684,479	DIUBALDI, ANTHONY	2,705,796
CARTER, JEREMY	2,732,668	COSGROVE, MATHEW A.	2,859,371	DODD, MICHAEL THOMAS	2,913,161
CARVAJAL, JORGE V.	2,822,749	COSTA, DANIEL SOARES	2,770,928	DOHERTY, TONY	2,806,575
CARVAJAL, JORGE V.	2,822,808	COSTAGLIA, MASSIMO	2,888,155	DOLBY INTERNATIONAL AB	2,958,350
CASSE, PATRICE	2,704,385	COSTELLO, MARK MARTIN	2,806,575	DOLBY INTERNATIONAL AB	2,958,360
CELLYNX, INC.	2,739,184	COURSON, CLAIRE	2,762,832	DOLINSEK, MARKO	2,890,825
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.R.S.)	2,762,832	COUTURE, PIERRE	2,839,658	DONITZKY, CHRISTOF	2,826,799
CHAMBERLAIN, ROGER D.	2,691,229	CRAVEN, PETER GRAHAM	2,809,915	DONITZKY, CHRISTOF	2,915,520
CHAMORRO, CARLOS O.	2,716,306	CRICKMORE, ROGER IAN	2,775,845	DOWLING, JAMES	2,833,710
CHAN-HUI, PO-YING	2,755,821	CROMPTON, DAVID B.	2,935,235	DRESSER, INC.	2,750,322
CHAO, TIEN-CHIEH	2,919,460	CROOK ANNA	2,791,140	DRIGUEZ, PIERRE ALEXANDRE	2,771,056
CHATTERJEE, DILIP K.	2,840,235	CURTIN, GERALD ADDISON, JR.	2,821,701	DROZD, JAMES MICHAEL	2,762,654
CHAVES, PAULO	2,777,465	CYTORI THERAPEUTICS, INC.	2,609,361	DUCHAUSOY, PHILIPPE	2,771,056
CHEIKY, MICHAEL C.	2,749,982	D'ANIELLO, STEPHEN P.	2,860,372	DULL, KENNETH M.	2,792,697
CHEN, DAWEI	2,746,264	DAIS, BRIAN C.	2,886,031	DULUARD, SANDRINE	2,769,194
CHEN, HARVEY H.	2,847,880	DANGO & DIENENTHAL MASCHINENBAU GMBH	2,799,131	DUNCAN, ROGER GLEN	2,893,085
CHEN, JEN-CHI	2,775,126	DANIEL, ANU	2,729,160	DUNN, RYAN C.	2,860,253
CHEN, ZHENCHENG	2,884,667	DANIELS, ERIC	2,609,361	DURA-LINE CORPORATION	2,838,628
CHENG, LUN KAI	2,710,272	DARVISH, NISSIM	2,870,392	DYER, DAVID A.	2,923,065
CHENG, YICHEN	2,795,904	DAVIS, GUY D.	2,860,253	DYROEY, ARE	2,757,002
CHENG, ZHIHAO	2,884,667	DAWIS, SUZANNE	2,793,519	EADS DEUTSCHLAND GMBH	2,822,306
CHEP TECHNOLOGY PTY LIMITED	2,853,014	DAYTON, JAMES A., JR.	2,678,885	EAGLEPICHER TECHNOLOGIES, LLC	2,788,893
CHIA, ORLANDO	2,947,273	DBR CONVEYOR CONCEPTS, LLC	2,786,571	EAS IP, LLC	2,860,253
CHILDERS, BROOKS A.	2,893,085	DE JEAN DE ST. MARCEL SIMEK-LEMONS, MELISSA DANIELLE	2,755,821	EASY TOOL LIMITED	2,759,796
CHINA PETROLEUM & CHEMICAL CORPORATION	2,818,272	DEARDORFF, JENNIFER	2,793,519	EATON CORPORATION	2,735,928
CHITHAMBARAM, NEMMARA S.	2,889,095	DECORNEZ, HELENE	2,806,332	ECHOSTAR TECHNOLOGIES L.L.C.	2,849,915
CHO, MI SUNG	2,797,306	DEFENSE LIFE SCIENCES, LLC	2,776,718	EDDINGTON, ROBIN	2,777,465
CHOI, BYEONG-DOO	2,898,150	DEHAN, CHRISTOPHE	2,918,927	EDWARDS LIFESCIENCES CORPORATION	2,847,880
CHOLLET, ANDRE	2,921,580	DELAPIERRE, MICHAEL	2,786,988	EFAFLEX INZENIRING D.O.O. LJUBLJANA	2,890,825
CHONO, KEIICHI	2,897,373	DELIYANNIS, ALEXANDROS	2,773,567	EJIRI, YOKO	2,848,875
CHRISTENSEN, THOMAS J.	2,781,613	DELUCA, HECTOR F.	2,777,938	ELI LILLY AND COMPANY	2,898,500
CHURCH, GEORGE M.	2,814,047			ELMS, ROBERT T.	2,735,928
CILAG GMBH INTERNATIONAL	2,653,317			EMERGIS INC.	2,654,617
CLARK, DAVID WILLIAM	2,748,266			EMPIRE TECHNOLOGY DEVELOPMENT LLC	2,904,828
				ENVIRORESOLUTIONS INC.	2,798,881
				EPITOMICS, INC.	2,719,400
				ESSILOR INTERNATIONAL (COMPAGNIE GENERALE D'OPTIQUE)	2,769,194
				ESTES, ROBERT A.	2,890,150

**Index des brevets canadiens délivrés
14 novembre 2017**

ETHICON, INC.	2,705,796	GARTHAFFNER, TRAVIS M.	2,835,207	HATA, KATSUHIKO	2,923,462
EULER, CHAD	2,729,160	GAUCHE, CELINE	2,717,914	HAUSCHILD, JAN-PETER	2,835,501
EVANS, DANIEL BRUCE	2,736,512	GAUDETTE, SEAN	2,841,926	HAVENER, ROBERT	2,881,613
EVEON	2,918,927	GAUL, CHRISTOPH	2,765,983	HAWKES, JAMIE ANTHONY	2,717,914
EVOLUTION POWER TOOLS LIMITED	2,825,369	GEBERS, JENS	2,889,102	HAYARD, EMMANUEL	2,702,571
EYEFI PTY LTD	2,727,687	GENENTECH, INC.	2,737,045	HAYES, MICHAEL W.	2,782,530
FACEBOOK, INC.	2,887,390	GENERAL ELECTRIC COMPANY	2,821,701	HAYNER, MARK A.	2,900,294
FACEBOOK, INC.	2,890,039	GENERAL ELECTRIC COMPANY	2,893,046	HAYNER, MARK A.	2,900,980
FACTORY MUTUAL INSURANCE COMPANY	2,860,372	GENERAL ELECTRIC TECHNOLOGY GMBH	2,860,818	HE, LIHAN	2,821,701
FALCO, GEPPINO	2,678,901	GENERALE BISCUIT	2,839,579	HE, YI	2,884,667
FALLBROOK INTELLECTUAL PROPERTY COMPANY LLC	2,732,668	GENOMICA S.A.U.	2,726,571	HEBBORN, KEVIN A.	2,896,868
FANG, CHRISTOPHER Y.	2,840,235	GEPPERT, HARALD- GERHARD	2,563,666	HEDRICK, MARC H.	2,609,361
FATTAH, IHAB ABDEL	2,881,613	GHESMI, SIAVASH	2,977,099	HEIBEL, MICHAEL D.	2,822,749
FEDICO	2,715,911	GILL, ROBERT ANTHONY	2,736,512	HENDRICKS, DONALD	2,780,642
FENN, DAVID R.	2,919,460	GLASSER, NICHOLAS	2,848,272	HENKEL AG & CO. KGAA	2,769,328
FERNANDES, BRENDAN S.	2,770,928	GLENCROSS, JAMES	2,753,138	HENRY COMPANY LLC	2,710,383
FERNO-WASHINGTON, INC.	2,947,273	GOLDENBERG, ALEX	2,922,610	HEO, KWANGCHUL	2,893,188
FIDIA FARMACEUTICI S.P.A.	2,763,945	GOMES FERNANDES, PAULO ROBERTO	2,759,673	HERBERT, CORENTIN	2,771,056
FILA, JOSEF A.	2,839,430	GONZALVEZ MUNOZ, BORJA	2,832,470	HERSH, MEGAN N.	2,727,709
FINK, MARTIN	2,868,938	GOROKHOV, ALEXEI	2,663,980	HILL, DAVID JOHN	2,775,845
FISCH, RALF WALTER	2,897,693	GORSCHBOTH, CLAUDIA	2,826,799	HINAYAMA, TETSUHIRO	2,953,888
FISCHER, VINCENT	2,793,519	GOW, GEOFFREY ANDREW	2,897,693	HIRAI, MIKI	2,828,378
FISCHETTI, VINCENT A.	2,729,160	GREEN, STEVEN JAMES	2,898,500	HIRAMATSU, HISANAO	2,738,129
FISHER & PAYKEL HEALTHCARE LIMITED	2,934,358	GREENFIELD, JAMES ALFRED GORDON	2,898,478	HIRAMATSU, HISANAO	2,794,199
FLAMMANG, ROBERT W.	2,822,808	GRIMSHAW, MATTHEW TODD	2,782,893	HIRAWAT, SAMIT	2,675,518
FOLEY, NICK	2,753,138	GRIMSLEY, TIMOTHY A.	2,838,628	HISADA, SHOJI	2,806,332
FOLTZ, IAN	2,782,420	GRISCIK, GREGORY J.	2,835,207	HITACHI, LTD.	2,860,743
FONS, PIERRE	2,771,056	GROEHN, VIOLA	2,736,861	HOFFMANN, ALEXANDER	2,889,102
FONTAINE, YVES	2,715,911	GRUBER, LEWIS S.	2,724,886	HONDA MOTOR CO., LTD.	2,909,980
FOOSE, ANDREW S.	2,839,430	GUANGZHOU MINO AUTOMOTIVE EQUIPMENT CO., LTD.	2,884,667	HONKURA, YOSHINOBU	2,880,247
FORSTER, PETER J.L.	2,846,173	GUARDIAN INDUSTRIES CORP.	2,827,862	HONTHEIM, DANIEL	2,897,693
FORTIN, GUY	2,806,106	GUARINO, JULIANNE M.	2,598,577	HORN, JONATHAN DAVID	2,886,031
FRANK, MARCUS	2,827,862	GULFSTREAM AEROSPACE CORPORATION	2,839,430	HORNICK, DAVID C.	2,839,430
FRANKLIN, MARK A.	2,691,229	GUMMADI, VENKATESHWAR RAO	2,765,983	HOSODA, MASAYA	2,848,875
FRASER, JOHN K.	2,609,361	GUNWARDENA, SANJEEV	2,859,371	HOWMEDICA OSTEONICS CORP.	2,811,838
FREEMAN, JENNY E.	2,805,124	GURELL, CHRISTOFFER	2,792,662	HU, SHAW-FEN SYLVIA	2,782,420
FREY, STEVEN	2,755,821	HAENSGEN, GREGG JAMES	2,739,096	HU, XIAOPING	2,840,267
FRIEDE, PETER	2,889,102	HALLIBURTON ENERGY SERVICES, INC.	2,840,235	HUANG, DIJIA	2,598,577
FRITZ, STEFAN	2,563,666	HALPIN, RYAN SHAWN	2,744,253	HUANG, FUMING	2,918,107
FROEHLICH, DAN MICHAEL	2,914,452	HAMANO, MASATO	2,909,932	HUANG, JUNNING	2,918,107
FROMM, STUART EDWARD	2,811,838	HANAK, FRANCIS CHAD	2,890,150	HUANG, TZU-HSUAN	2,699,944
FU, XU	2,821,701	HARBESON, SCOTT L.	2,771,123	HUBSCH, ALAIN	2,784,046
FUJIMOTO PHARMACEUTICAL CORPORATION	2,738,129	HARLFINGER, CHARLES E.	2,597,192	HUNDT, ROGER C.	2,716,306
FUJIMOTO PHARMACEUTICAL CORPORATION	2,794,199	HARRIS, PATRICK	2,771,401	HUNT, BARRY W.	2,770,928
FUJIWARA, MASATOSHI	2,738,129	HARRISON, NIGEL DAVID	2,653,317	HUNTLEY, RAYMOND	2,806,332
FULLER, JOHN WILLIAM EDWARD	2,784,384	HART, BRIAN T.	2,833,710	HUSKY INJECTION MOLDING SYSTEMS LTD.	2,897,693
GADHACHANDA, VENKAT	2,746,264	HART, RICHARD D.	2,833,710	HYDRO-QUEBEC	2,839,658
GAGNON, STEPHANIE	2,934,821	HARWARD, SAMUEL	2,780,642	IFP ENERGIES NOUVELLES	2,718,124
GANDHI, JIGNESH GOVINDLAL	2,893,046	HASENBERG, MARK J.	2,807,293	IJIMA, TORU	2,828,378
GANT, THOMAS G.	2,680,912	HASHIMOTO, AKIHIRO	2,746,264	IINO, RYOTA	2,829,185
GANYMED PHARMACEUTICALS AG	2,563,666	HASSANEIN, WALEED	2,881,613	IMFLUX, INC.	2,913,161
GARNER, RUSTY M.	2,893,299			IMMUNOVACCINE TECHNOLOGIES INC.	2,700,808

**Index of Canadian Patents Issued
November 14, 2017**

INTERNATIONAL PAPER COMPANY	2,923,065	KISTLER, DANIEL P.	2,822,749	LEWIS, DAVID MALCOLM	2,717,914
INTUIT INC.	2,811,408	KJORLING, KRISTOFER	2,958,350	LG ELECTRONICS INC.	2,893,188
INTUIT INC.	2,889,095	KJORLING, KRISTOFER	2,958,360	LI, QIANG	2,821,701
INVENTIO AG	2,760,411	KLEYNHANS, EVERT PHILLIPPUS	2,819,813	LI, SHOUMING	2,746,264
IP RESERVOIR, LLC	2,691,229	KMOCH, SVEN	2,897,693	LI, YANG	2,782,420
IVOSEVIC, MILAN	2,905,901	KNOOP, FRANK	2,889,102	LI, YUNFEI	2,918,107
IZUMIURA, ATSUSHI	2,909,980	KNOWLTON DEVELOPMENT CORPORATION INC.	2,808,807	LIANG, YINGJIE	2,818,272
JAHNKE, CHARLES	2,805,124	KNUDSEN, JULIAN R.	2,750,322	LIFESCAN, INC.	2,753,138
JAMES, MICHAEL A.	2,822,808	KO, MINORU S.H.	2,678,901	LIFF, HAROLD J.	2,833,710
JAMES, STEPHEN	2,893,084	KOBAYASHI, NOBUHISA	2,860,743	LIGHTLAB IMAGING, INC.	2,893,527
JANG, YONG GI	2,862,839	KOBLISH, JOSEF	2,770,987	LIN, DECHAO	2,790,168
JANSEN, GERHARD	2,834,738	KOFF, WAYNE	2,755,821	LISTERUD, EIVIND	2,788,893
JAPAN SCIENCE AND TECHNOLOGY AGENCY	2,829,185	KOHLBAUER, PETER	2,810,295	LITOSH, VLADISLAV A.	2,727,709
JAZZ PHARMACEUTICALS, INC.	2,740,146	KOLL, GREGORY E.	2,775,126	LIU, AIHUA	2,818,272
JEGLORZ, TOBIAS	2,915,520	KOLLAH, RAPHAEL O.	2,849,706	LIU, CUIXIAN	2,746,264
JENNINGS, DOUGLAS IVAN	2,653,317	KOMIYA, KENJI	2,908,283	LIU, JIANLI	2,818,272
JIN, LING	2,738,129	KONDO, MASAOKI	2,908,283	LIU, JULIE F.	2,771,123
JIN, LING	2,794,199	KONIG, JENS	2,809,599	LIU, ZENGRANG	2,818,272
JOHANNESSEN, BAARD	2,756,649	KORIM, DAVID CHARLES	2,893,046	LIVSHITZ, DANNY	2,963,474
JOHNSON CONCRETE COMPANY	2,854,389	KORY, CAROL L.	2,678,885	LJUNGKRANTZ, PETER	2,792,662
JOHNSON, GREGORY F.	2,739,184	KOSLOWSKI, MICHAEL	2,563,666	LLORCA JUAN, DANIEL	2,832,470
JOHNSON, MICHAEL	2,841,926	KOWALSKI, MARCIN PIOTR	2,898,478	LOBODA, NATALIA	2,732,368
JOHNSON, MICHAEL	2,897,397	KPR U.S., LLC	2,643,952	LONG, CHARLES F.	2,784,384
JOHNSTON, GARRY MERVYN	2,763,371	KRAFT, ULRICH	2,753,138	LOO, DERYK	2,596,273
JONES, EMORY E., III	2,906,412	KREILING, STEFAN	2,769,328	LOOIJE, ADRIAN PETER	2,897,693
JOST, KAREN M.	2,793,177	KRIKSUNOV, LEO B.	2,775,126	LOOIJE, PETER ADRIAN	2,897,693
JOUHIKAINEN, JAAKKO TANELI	2,836,643	KROMBERG, ANDRE AXEL	2,897,693	LORD, JOHN	2,836,643
KABAKOFF, BRUCE	2,737,045	KRULEVITCH, PETER	2,753,138	LOSCUTOVA, JOHN R.	2,840,235
KAMINSKI, MICHAEL A.	2,863,935	KUESTER, HARALD	2,769,328	LOURENCO, JOSE	2,956,439
KAMINSKY, STEPHEN	2,755,821	KUNZLER, JAY F.	2,914,135	LOUW, JAKO	2,819,813
KAMPF, LARS VERNER	2,777,141	KUO, MEI-CHANG	2,836,643	LOVELESS, DON L.	2,708,509
KANEKO, TOMOHIKO	2,909,659	KURARAY CO., LTD.	2,848,875	LUBER, JOSEPH R.	2,775,126
KAO CORPORATION	2,793,519	KUX, MICHAEL	2,769,328	LUCAS, BRIAN M.	2,900,294
KARKADA, MOHAN	2,700,808	KYI, STANLEY	2,881,613	LUCAS, BRIAN M.	2,900,980
KARLSEN, MORTEN	2,757,002	L&P PROPERTY MANAGEMENT COMPANY	2,888,155	LUCAS, MICHAEL DAVID	2,853,014
KATO, TAKANORI	2,869,139	LADISCH, MICHAEL R.	2,776,718	LUIJS, RUUD	2,897,693
KAWAGUCHI, SUSUMU	2,711,862	LAFRANCE, HUGUES	2,847,880	LUMINEX CORPORATION	2,730,982
KAWAGUCHI, TAKAYUKI	2,828,378	LAGORSSE, JOEL	2,702,571	LUMPKIN, DANNY DAVID	2,913,161
KE, YAOHUANG	2,719,400	LAIR, ANTHONY C.	2,806,575	LY, BUNLIM	2,886,031
KEHOE, SHARON	2,825,512	LALLI, MICHAEL	2,805,124	MABE, JAMES HENRY	2,782,893
KEILERS, CYRIL	2,732,668	LANDRE, ERIC G.	2,823,977	MACIA BARBER, AGUSTIN	2,832,470
KELLY, RYAN T.	2,696,115	LANGDON, SIMON	2,727,687	MACKE, JUNIOR JOHN G.	2,782,530
KELLY, SHEILA	2,791,140	LANVIN, LIONEL	2,839,579	MADAMBA, EDISON R.	2,842,011
KELSEY, WILLIAM D.	2,867,647	LARIVIERE, JEFFREY	2,744,253	MAHONEY, CHRISTOPHER J.	2,865,776
KELSEY, WILLIAM D.	2,910,563	LASERGEN, INC.	2,727,709	MAHONEY, JOSEPH M.	2,736,512
KEMMER, DIRK	2,810,295	LASERSON, URI	2,814,047	MAI, CLAUDIA	2,769,328
KENT, STEVEN RICHARD	2,823,943	LASSALLE, GILBERT	2,771,056	MAILAND, JASON C.	2,912,196
KHANDEKAR, AAMOD	2,663,980	LAW, MALCOLM	2,809,915	MAKAROV, ALEXANDER ALEKSEEVICH	2,835,501
KHAYAL, TAMER	2,881,613	LAWSON, JOHN RUSSELL	2,913,161	MANDA, JAN MARIUS	2,897,693
KHOLOMEV, ALEXANDER	2,835,501	LEE TECH LLC	2,831,268	MANOUX, PHILIPPE	2,922,610
KIENNEMANN, ALAIN	2,762,832	LEE, CHIE YING	2,831,268	MANSOUR, MARC	2,700,808
KIM, CHANG NAM	2,797,306	LEE, MARSHALL STEPHEN	2,819,813	MANTZIS HOLDINGS PTY LTD.	2,738,416
KIM, HA YOUNG	2,746,264	LEE, SUNG-LIM	2,678,901	MANTZIS, GEORGE	2,738,416
KIM, ISAAC	2,770,987	LEE, TAMMY	2,898,150	MANTZIS, KONSTANTINOS	2,738,416
KINDIG, BRADLEY	2,672,437	LEICA GEOSYSTEMS AG	2,827,786	MARCHESE, ANDREW DOMINIC	2,808,053
KING, CHADWICK TERENCE	2,782,420	LEITCH, OLAN	2,902,693	MARICI, PAUL PAIA	2,905,901
KIRCHHOFF, DAVID	2,791,140	LENDER, ARIEL	2,710,383	MARTIN, JUSTIN J.	2,849,706
KIRIYAMA, KENTARO	2,869,139	LENOX INDUSTRIES INC.	2,716,306	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	2,808,053
KIRKPATRICK, GREGG	2,805,738	LEUNG, RAYMOND	2,654,617	MATAS, MICHAEL	2,890,039
		LEWIN, MATHIAS	2,792,662	MATHER, JENNIE	2,596,273

**Index des brevets canadiens délivrés
14 novembre 2017**

MATSUO, YO	2,806,332	MORIN, MICHEL	2,715,911	NOVARTIS AG	2,765,983
MATSUSHITA, MASANORI	2,909,980	MORRISON, SHERIE L.	2,699,944	NOVARTIS TIERGESUNDHEIT AG	2,868,938
MATTFOLK, ALEX	2,805,124	MOSCOSO DEL PRADO, JUAN	2,726,571	NOVENCO A/S	2,777,141
MAXON, JOHN W., JR.	2,839,430	MOSER, RUDOLF	2,736,861	NUELLE, INC.	2,922,610
MAZEJ, ANDREJ	2,890,825	MOSIER, NATHAN	2,776,718	NUTRI CO., LTD.	2,711,862
MAZYAR, OLEG A.	2,841,926	MOVISCHOFF, BERNARDO ADRIAN	2,893,046	O'CALLAGHAN, JOHN	2,895,636
MAZYAR, OLEG A.	2,897,397	MOWITZ, JOHAN	2,792,662	OBA, TRAVIS Z.	2,847,880
MC ADAMS, BRIAN J.	2,867,647	MOYLE, MATTHEW	2,755,821	OBEROI, HARINDER S.	2,885,543
MCBEE, BRUCE W.	2,739,096	MUELLER, CRISTINA MAGDALENA	2,736,861	OBSEVA S.A.	2,921,580
MCCALL, THOMAS	2,838,628	MUINONEN, KARI	2,577,556	OEREN, TORE	2,757,002
MCCLELLAND, JAMES M., JR.	2,914,784	MULLANEY, JEREMY C.	2,848,272	OILFIELD EQUIPMENT DEVELOPMENT CENTER LIMITED	2,842,011
MCCLELLAND, KENNETH JAMES	2,798,881	MURAKAMI, MASAHIRO	2,953,888	OISHI, KEIICHIRO	2,923,462
MCCONNELL, KIMBERLY NICHOLE	2,913,161	MURPHY, MAURA	2,740,146	OKAMOTO, YOHEI	2,909,659
MCDANIEL, LOREN T.	2,732,668	MURPHY, WILLIAM J.	2,735,928	OKEL, TIMOTHY A.	2,849,706
MC GEE, DAVID	2,770,987	MURRAY, SEAN MACLEAN	2,748,266	OLSEN, OLE	2,755,821
MCHENERY, JOHN GERARD	2,868,938	MUSALIY, IMTIAZ A.	2,886,031	OLSSON, ROLAND	2,775,126
MCLAUGHLIN, ROBERT EUGENE, II	2,811,838	MUZAFFER, REHAN	2,769,649	OMNIVISION TECHNOLOGIES, INC.	2,810,676
MCMILLAN, FRANCIS G.	2,773,567	MYERS, GARY L.	2,893,366	ONCOTHERAPY SCIENCE, INC.	2,806,332
MCNEIL-PPC, INC.	2,775,126	N & C HOLDINGS, LLC	2,824,697	OOTAKE, YUUICHI	2,860,743
MCNEISH, DAVID J.	2,893,366	NADA, MITSUHIRO	2,909,659	OPTASENSE HOLDINGS LIMITED	2,775,845
MEADE, WILLIAM CLYDE	2,854,389	NAGPAL, ARVIL	2,805,124	ORAND, AUSTIN	2,732,668
MEISSNER, DAVID C.	2,914,784	NAKAMURA, YOSHIKAZU	2,738,129	OSTARA NUTRIENT RECOVERY TECHNOLOGIES INC.	2,914,452
MERCIER, CAROL	2,806,106	NAKAMURA, YOSHIKAZU	2,794,199	OUHROUCHE, MOHAND	2,806,106
MERCK & CIE	2,736,861	NAKAMURA, YUSUKE	2,806,332	OUTOTEC (FINLAND) OY	2,895,636
MERGOTT, DUSTIN JAMES	2,898,500	NAKASATO, YOSUKE	2,923,462	OUYANG, JUN	2,737,045
MESTEMACHER, STEVEN ALAN	2,854,572	NANCHEN, STEVE	2,868,938	OVER, CHRISTOPHER B.	2,770,928
METALEACH LIMITED	2,763,371	NASH, CHRISTOPHER OWEN	2,893,299	OZDARYAL, ESRA	2,760,237
METCON, LLC	2,781,613	NEC CORPORATION	2,897,373	PAGE, JASON S.	2,696,115
METIUS, GARY E.	2,914,784	NEDERLANDSE ORGANISATIE VOOR TOEGEPAST- NATUURWETENSCHAPP ELIJK ONDERZOEK TNO	2,710,272	PAI, YOGISH	2,811,408
METZKER, MICHAEL L.	2,727,709	NEGRE, PIERRE-EMMANUEL	2,793,250	PAIS, GODWIN	2,746,264
MEYER, PETER	2,643,952	NEHRING, JAMIE	2,777,938	PALAIS, ROBERT ANDREW	2,756,300
MIAN, ZAHID F.	2,848,272	NEL, HERMANUS GERHARDUS	2,819,813	PALMER, JASON	2,822,749
MICHAEL, SCHROEDER	2,942,397	NELSON, DAREN	2,737,045	PANASYUK, ALEXANDER	2,805,124
MICHEL, JUERGEN	2,627,397	NEOMED, INC.	2,806,575	PANASYUK, SVETLANA	2,805,124
MICHEL, WALTER F.	2,692,569	NEOVASC MEDICAL LTD.	2,870,392	PANFILI, FRANCOIS	2,727,586
MIDREX TECHNOLOGIES, INC.	2,914,784	NESBO, PAUL ARNE	2,903,902	PANFILI, FRANCOIS	2,846,733
MIGLIAZZA, JOHN F.	2,847,880	NETTFORSK AS	2,756,649	PANKEN, THEODORUS HENRICUS CORNELUS	2,710,272
MILBRANDT, CELITE	2,672,437	NEWSOME, CHARLES BENJAMIN	2,854,389	PAPA, RENATO	2,897,693
MILLAR, GAVIN WALSH	2,934,358	NEXTER SYSTEMS	2,784,046	PARKER, ROBERT PRESTON	2,900,294
MILLAR, MACKENZIE	2,956,439	NG, TRACY PAT-YEN	2,811,838	PARKER, ROBERT PRESTON	2,900,980
MILLER, DAVID M.	2,846,363	NI, NA	2,821,701	PARKER, ROSE MARIE	2,780,642
MILLER, GAYL J.	2,793,177	NICOLA, THOMAS	2,810,295	PARSONS, SCOTT	2,691,229
MILLER, JAMES L.	2,912,196	NICOLAS, MARCEL	2,935,224	PASTORE, OLIVIER	2,715,520
MILLER, JEFF	2,885,543	NIPPON STEEL & SUMITOMO METAL CORPORATION	2,869,139	PASTORE, OLIVIER	2,715,750
MILLER, LANGDON	2,675,518	NISHIDA, TSUNEMASA	2,909,932	PATERSON-JONES, ROLAND	2,898,478
MILLER-KOVACH, KAREN	2,791,140	NOJI, HIROYUKI	2,829,185	PECK, JOHN PATRICK	2,896,868
MILLER-KOVACH, KAREN	2,791,140	NOKIA SOLUTIONS AND NETWORKS GMBH & CO. KG	2,627,397	PEIRCE, JOHN M.	2,807,293
MITCHAM, JENNIFER	2,755,821	NOKSÆK, INC.	2,862,839	PELICAN INTERNATIONAL INC.	2,934,821
MITSUBISHI SHINDOH CO., LTD.	2,923,462	NORSK HYDRO ASA	2,757,002	PENTRAXIN THERAPEUTICS LIMITED	2,691,054
MITSUBISHI TANABE PHARMA CORPORATION	2,828,378	NORTHROP GRUMMAN GUIDANCE AND ELECTRONICS COMPANY, INC.	2,859,371	PEPYS, MARK BRIAN	2,691,054
MIYAKAWA, SHIN	2,738,129			PERACHEM LIMITED	2,717,914
MOBARAK, HANY ABO-EL- MAGD	2,808,807			PERL, AMIE	2,791,140
MONTAGUE, STEPHEN C.	2,914,784			PERRON, JEAN	2,806,106
MONTI, MANUELA	2,678,901				
MOREL, FREDERIC	2,718,124				
MORENCY, VINCENT	2,577,556				
MORGENSTERN, HANS-UWE	2,799,131				

Index of Canadian Patents Issued November 14, 2017

PESHWE, SHIRISH KISHORE	2,811,408	ROLLS-ROYCE		SHEN, JINGKANG	2,828,378
PETITON, VALERY	2,945,024	CORPORATION	2,893,299	SHEN, LIN-PING	2,708,114
PETROFF, CHRISTOPHER	2,893,527	ROSS, ROBERT A.	2,860,253	SHENG, ZHAOSHUN	2,818,272
PHADKE, AVINASH	2,746,264	ROSS, TOBIAS LUDWIG	2,736,861	SHEPHERD, DAVID	2,753,138
PHILIPPOT, VINCENT	2,773,047	ROTH, WAYNE D.	2,730,982	SHEPPARD, AMY	2,791,140
PHOGAT, SANJAY K.	2,755,821	ROURKE, ANDREA	2,740,146	SHIZUKU, FUMISHIGE	2,907,281
PIANTEDOSI, STEVE	2,833,710	RUDNEV, VALERY I.	2,708,509	SHIZUKU, FUMISHIGE	2,907,284
PILGERAM, KYLE CRAIG	2,811,838	RUDOLPH, EHREN N.	2,777,938	SHMILOVICH, ARVIN	2,823,943
PITTS, LOGAN D.	2,807,293	RUS, DANIELA LUCIA	2,808,053	SHOME, MOUSHUMI	2,782,893
PLEW, MARC M.	2,760,237	RUSSELL, CLAYTON	2,654,617	SHORR, ROBERT G.L.	2,684,479
PLUM, LORI	2,777,938	S.C. JOHNSON & SON, INC.	2,886,031	SHOUM, JOSEPH R.	2,643,952
PLUMPTRE, DAVID	2,744,866	SAFA-BAKHSH, ROBAB	2,771,401	SIEGER, PETER	2,810,295
POIGNARD, PASCAL		SAHIN, UGUR	2,563,666	SIEH, ZARA	2,753,138
RAYMOND GEORGES	2,755,821	SALEH, HESHAM	2,881,613	SINUSAS, ERIC	2,806,106
PORCHIA, JOSE	2,886,031	SAMSON, ILAN	2,776,312	SIRIUS XM CONNECTED	
POSILLICO, PALMA	2,791,140	SAMSUNG ELECTRONICS		VEHICLE SERVICES INC.	2,687,111
POWELL, KEVIN BLAKE	2,934,358	CO., LTD.	2,898,150	SIWA CORPORATION	2,724,886
PPG INDUSTRIES OHIO, INC.	2,849,706	SANG, MINKYU	2,893,188	SKALA, ROBERT D.	2,840,235
PPG INDUSTRIES OHIO, INC.	2,919,460	SANOFI	2,771,056	SLACKER, INC.	2,672,437
PRESBY PATENT TRUST	2,799,511	SANOFI-AVENTIS		SLUSARENKO, WILLIAM S.	2,846,173
PRESBY, DAVID W.	2,799,511	DEUTSCHLAND GMBH	2,744,866	SMART SOLUTIONS	
PRESIDENT AND FELLOWS		SANTOS, ENRIQUE C.	2,842,011	TECHNOLOGIES, S.L.	2,832,470
OF HARVARD COLLEGE	2,814,047	SARGENT, BRADLEY J.	2,705,796	SMITH, DANIEL JOHN	2,934,358
PRIBLE, MICHAEL C.	2,822,749	SARH, BRANKO	2,808,053	SMITH, RICHARD D.	2,696,115
PROSTAR GEOCORP, INC.	2,846,173	SARH, BRANKO	2,885,543	SNECMA	2,773,047
PROVENZANO, DAN R.	2,893,085	SARSHAR, SEPEHR	2,680,912	SNECMA	2,786,988
PRYBILSKI, CHRISTIAN	2,784,046	SASOL TECHNOLOGY		SNYDER, HERMAN E.	2,836,643
PTC THERAPEUTICS, INC.	2,675,518	(PROPRIETARY) LIMITED	2,819,813	SODARO, BRUNO GIUSEPPE	2,897,693
PURDUE RESEARCH		SATYANARAYANA,		SOL-GEL TECHNOLOGIES	
FOUNDATION	2,776,718	GANUGAPATI	2,914,135	LTD.	2,732,368
QIN, HAIHU	2,774,124	SAUGEY, ANTHONY	2,769,194	SOLENIS TECHNOLOGIES	
QIU, HAI	2,821,701	SAVAGE, DONNA	2,753,138	CAYMAN, L.P.	2,736,512
QUALCOMM INCORPORATED	2,663,980	SAVARA, INC.	2,836,643	SONI, PRAVIN	2,836,643
QUICK FITTING, INC.	2,935,235	SCHALK, THOMAS BARTON	2,687,111	SONY INTERACTIVE	
RAAF, BERNHARD	2,627,397	SCHECHTER, EMILY A.	2,860,253	ENTERTAINMENT	
RAI NOOJI, SATHEESHA	2,914,135	SCHIBLI, ROGER	2,736,861	AMERICA LLC	2,879,235
RAMAGLIA, VALERIA	2,666,466	SCHLUMS, DIRK	2,897,693	SOWDEN, HARRY S.	2,775,126
RAMASWAMY, ARUN	2,654,684	SCHMITT, JOSEPH M.	2,893,527	SPECIALTY MINERALS	
RAMON-MARTINEZ,		SCHOENFELD, RAINER	2,769,328	(MICHIGAN) INC.	2,736,512
NATALIA	2,913,161	SCHROEDER, NORMAN R.	2,824,697	STACHLER, JOHN P.	2,716,306
RANGANATH, VISHWANATH	2,889,095	SCHROEDER, THOMAS C.	2,900,294	STANGHELLINI, ILARIA	2,678,901
RASCH, MICHAEL R.	2,786,571	SCHROEDER, THOMAS C.	2,900,980	STARK, TIMOTHY D.	2,886,031
RAVAZ, MAURICE	2,715,750	SCHROTT, ADAM	2,793,519	STAUBLI FAVERGES	2,715,520
RAVEN BIOTECHNOLOGIES,		SCHUEHLER, DAVID		STAUBLI FAVERGES	2,715,750
INC.	2,596,273	VINCENT	2,691,229	STEAD, KELLY MAXWELL	2,844,193
REAMS, WILLIAM R.	2,849,915	SEABERG, WAYNE G.	2,750,322	STEIGER, NATHANIEL	2,805,124
REED, DAVID V.	2,923,065	SEALFON, ANDREW	2,977,099	STEYNBERG, ANDRE PETER	2,819,813
REES, SAMUEL RYAN	2,825,369	SEIDEL, JOHN G.	2,822,808	STOESZ, CARL W.	2,906,412
REGENESANCE B.V.	2,666,466	SEIFERT, JOST	2,822,306	STOUT, SCOTT G.	2,833,710
REGHEZZA, PATRICK JEAN-		SELDEN, BRIAN A.	2,900,294	STOVALL, JIMMY LEE	2,687,111
LOUIS	2,786,988	SELDEN, BRIAN A.	2,900,980	STRACHILA, JOSEPH	2,850,800
RENTZ, MARTIN	2,810,295	SELVITELLI, DAVID	2,643,952	STRECK, INC.	2,716,337
REPRO-MED SYSTEMS, INC.	2,977,099	SEMMELEBAUER, THILO	2,791,140	STREM, BRIAN M.	2,609,361
RESCH, BARBARA	2,958,350	SENDA, YUZO	2,897,373	STUART, JONATHAN T.	2,710,383
RESCH, BARBARA	2,958,360	SENGUPTA, SAUMITRA	2,765,983	STUPI, BRIAN P.	2,727,709
RESPIRATORY MOTION, INC.	2,805,124	SENZAKI, KENTA	2,897,373	SUGAMA, HIROSHI	2,828,378
RHODES, JEFFREY F.	2,893,299	SERTCHOOK, HANAN	2,732,368	SUMITOMO SEIKA	
RIBOMIC INC.	2,738,129	SHALEV, IIAN	2,870,392	CHEMICALS CO., LTD.	2,953,888
RIBOMIC INC.	2,794,199	SHANG, SHERWIN S.	2,760,237	SUN, ZHICHENG	2,884,667
RICHARD, BENNETT M.	2,897,397	SHANGHAI		SURYS	2,945,024
ROBBINS, THOMAS CHARLES	2,756,300	PHARMACEUTICALS		SUTCLIFFE, MATTHEW	
RODRIGUEZ, ROBERT J.	2,684,479	HOLDING CO., LTD.	2,828,378	LESLIE	2,763,371
ROGERS, DAVID	2,732,668	SHAPIRO, JOHN ROBERT	2,889,095	SUTMAN, FRANK J.	2,736,512
		SHARMA, ANIL	2,811,408		

**Index des brevets canadiens délivrés
14 novembre 2017**

SUZHOU TERGAR IOT TECHNOLOGY CO., LTD	2,918,107	THORLABS, INC.	2,777,465	VOGLER, KLAUS	2,826,799
SWARTZ, TREVOR, ELI	2,737,045	THORLEY, CRAIG STEPHEN	2,762,847	W.L. GORE & ASSOCIATES, INC.	2,867,647
SZECHINSKI, WILLIAM P.	2,760,237	TIBERGHEN, ALAIN-CHRISTOPHE	2,715,520	W.L. GORE & ASSOCIATES, INC.	2,910,563
SZYMCZAK, CHRISTOPHER E.	2,775,126	TIBERGHEN, ALAIN-CHRISTOPHE	2,715,750	WADE, JOHN R.	2,825,369
TADA, MASAO	2,860,743	TIMBERLAKE, BRENT	2,922,610	WAHLGREN, STEPHEN B.	2,705,796
TADEN, ANDREAS	2,769,328	TOLEDANO, OFER	2,732,368	WALKER, JOEL R.	2,806,332
TAJIME, JUNJI	2,897,373	TOLLET, VINCENT	2,945,024	WALKER, LAURA MARJORIE	2,755,821
TAKATORI, JUNICHI	2,953,888	TONTI, NICHOLAS K.	2,893,084	WALL, JODY RYAN	2,854,389
TAKESHITA, YUKITERU	2,869,139	TOWNSEND, STEVE	2,853,014	WALSH, OLIVER	2,759,796
TAKEUCHI, MASAHIRO	2,909,980	TOY, JAMES F.	2,805,124	WALSH, PAUL	2,759,796
TAKEUCHI, YASUHIRO	2,880,247	TOYOTA JIDOSHA KABUSHIKI KAISHA	2,907,281	WALTER, STEPHEN A.	2,716,306
TANAKA, HIDEAKI	2,907,281	TOYOTA JIDOSHA KABUSHIKI KAISHA	2,907,284	WANG, JIANHUA	2,818,272
TANAKA, SHINJI	2,923,462	TOYOTA JIDOSHA KABUSHIKI KAISHA	2,908,283	WANG, MICHAEL	2,663,980
TANG, KEQI	2,696,115	TOYOTA JIDOSHA KABUSHIKI KAISHA	2,909,659	WANG, TONGAN	2,839,430
TANO, YUTAKA	2,909,659	TOYOTA JIDOSHA KABUSHIKI KAISHA	2,909,932	WANG, WEI	2,919,460
TAUER, MARK	2,643,952	TRACEY, MICHAEL R.	2,705,796	WANG, XIANGZHU	2,746,264
TAYLOR, DAVID E.	2,691,229	TRACHTENBERG, JON	2,881,613	WANG, YING	2,774,124
TAZAKI, GO	2,848,875	TRANSMEDICS, INC.	2,881,613	WARNER, JERRY B.	2,776,718
TEERLING, TATIANA JOHANNA JUDITH	2,710,272	TREMBLAY, BRUNO	2,808,705	WATANABE, TOHRU	2,860,743
TENG, ALEX	2,897,693	TREMBLAY, KATHLEEN	2,643,952	WATSON, BRIAN MORGAN	2,898,500
TERAPHYSICS CORPORATION	2,678,885	TRUCHON, MARTIN	2,806,106	WATTELLIER, ARNAUD	2,918,927
TERMAAT, JOEL R.	2,716,337	TSEHORI, JONATHAN	2,870,392	WAVELIGHT GMBH	2,826,799
THALES	2,702,571	TSO3 INC.	2,808,705	WAVELIGHT GMBH	2,915,520
THE BOEING COMPANY	2,771,401	TSUCHIYA, CHIEMI	2,860,743	WCCO BELTING, INC.	2,942,397
THE BOEING COMPANY	2,782,530	TSUYUZAKI, MASAO	2,860,743	WEBER, DARREN J.	2,784,384
THE BOEING COMPANY	2,782,893	TUCKER, NELSON P.	2,846,173	WEIGHT WATCHERS INTERNATIONAL, INC.	2,791,140
THE BOEING COMPANY	2,792,697	TUERECI, OEZLEM	2,563,666	WEIGHTWATCHERS.COM, INC.	2,791,140
THE BOEING COMPANY	2,793,177	TUNG, ROGER D.	2,771,123	WEIR, GENEVIEVE MARY	2,700,808
THE BOEING COMPANY	2,808,053	UNITRACT SYRINGE PTY LTD	2,762,847	WEISENBERGER, PAMELA J.	2,886,031
THE BOEING COMPANY	2,823,943	UNIVERSITE DE STRASBOURG	2,762,832	WELHAM, NICHOLAS JAMES	2,763,371
THE BOEING COMPANY	2,823,977	UNIVERSITE DU QUEBEC A CHICOUTIMI	2,806,106	WELLBORE ENERGY SALES LTD.	2,854,572
THE BOEING COMPANY	2,850,800	UNIVERSITY OF UTAH RESEARCH FOUNDATION	2,756,300	WESTINGHOUSE ELECTRIC COMPANY LLC	2,822,749
THE BOEING COMPANY	2,885,543	UTSUMI, MASATO	2,860,743	WESTINGHOUSE ELECTRIC COMPANY LLC	2,822,808
THE ESAB GROUP, INC.	2,790,168	VALEO SYSTEMES D'ESSUYAGE	2,793,250	WHITAKER, BRUCE	2,947,273
THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES	2,678,901	VALLIERES, JEAN-MARTIN	2,808,705	WHITNEY, SCOTT E.	2,716,337
THE LUBRIZOL CORPORATION	2,774,124	VANDEPONSEELE, ANGELA LEE	2,854,572	WIDMER, LEAH	2,810,676
THE NIELSEN COMPANY (US), LLC	2,654,684	VASILLOTIS, CHRISTOPHER M.	2,732,668	WIGIANTO, RUDI	2,880,247
THE NIELSEN COMPANY (US), LLC	2,773,567	VEASEY, ROBERT	2,744,866	WILK, ROBERT	2,753,138
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	2,699,944	VEREL, ALIETTE	2,839,579	WINNEROSKI, LEONARD LARRY, JR.	2,898,500
THE ROCKEFELLER UNIVERSITY	2,729,160	VERMA, ANSHU	2,811,408	WISCONSIN ALUMNI RESEARCH FOUNDATION	2,777,938
THE SCRIPPS RESEARCH INSTITUTE	2,755,821	VERMA, ANSHU	2,889,095	WITTWER, CARL THOMAS	2,756,300
THEBAULT, DENIS	2,793,250	VICENTE RENGEL, CHRISTIAN	2,832,470	WITZ, JEAN-CHRISTOPHE	2,897,693
THERACLONE SCIENCES, INC.	2,755,821	VIGNEAULT, FRANCOIS	2,814,047	WOBLEN PROPERTIES GMBH	2,834,738
THERMO FISHER SCIENTIFIC (BREMEN) GMBH	2,835,501	VILJOEN, HENDRIK J.	2,716,337	WOBLEN PROPERTIES GMBH	2,860,496
THOLL, ROB	2,654,617	VILLAHERMOSA JAEN, MARIA L.	2,726,571	WOBLEN PROPERTIES GMBH	2,889,102
		VILLEMOES, LARS	2,958,350	WOLF, ERIC JOHN	2,748,266
		VILLEMOES, LARS	2,958,360	WOLVERINE OUTDOORS, INC.	2,865,776
		VIRGINIE, MIRELLA	2,762,832	WOO, SOON HYUNG	2,680,912
				WRIGHT, RODNEY S.	2,885,543
				WU, WEIDONG	2,727,709
				WU, ZHILIN	2,821,701
				WUELLNER, CHRISTIAN	2,826,799
				WULUR, ISABELLA	2,609,361

**Index of Canadian Patents Issued
November 14, 2017**

XIA, GUANGXIN	2,828,378
XIE, JIANSHU	2,828,378
XUAN, CAIYUN	2,699,944
YAMAMOTO, YUICHIRO	2,869,139
YAMASHITA, AKIRA	2,908,283
YANG, YONG	2,821,701
YANG, YONGFENG	2,884,667
YAO, WEIBING	2,884,667
YENSEN, TREVOR NOEL	2,744,253
YOON, MYUNGKEUN	2,821,701
YOSHIKAWA, HIROO	2,909,932
YOULIO, ANDREW MARC	2,919,819
YU, GUO-LIANG	2,719,400
YU, HONG-ZENG	2,860,372
YUASA, NAOHIRO	2,860,743
ZALEWSKI, GARY M.	2,879,235
ZANELATO, ANNA MARIA	2,763,945
ZEON, YOUNG	2,850,800
ZHANG, QIANG	2,918,107
ZHANG, SUOMING	2,746,264
ZHANG, TING	2,884,667
ZHENG, LIANJUN	2,884,667
ZHU, DEHUA	2,818,272
ZHU, MIN	2,609,361
ZHU, WEIMIN	2,719,400
ZONNEVELD, EDWIN JOHN WILLIAM	2,844,193
ZTE CORPORATION	2,795,904

Index of Canadian Applications Open to Public Inspection

October 29, 2017 to November 4, 2017

Index des demandes canadiennes mises à la disponibilité du public

29 octobre 2017 au 4 novembre 2017

ABEN, JEAN-PAUL	2,965,120	CANADIAN BLOOD		EXXONMOBIL UPSTREAM	
ACOSTA, ROBERT A.	2,965,624	SERVICES	2,966,425	RESEARCH COMPANY	2,978,157
ACOSTA-RAMIREZ, HUGO	2,932,090	CARL FREUDENBERG KG	2,965,655	FARAG, HANY ISKANDAR	2,928,459
ADAMS, JARED J.	2,965,456	CHEN, CHELOR	2,966,094	FILIPPIDIS, SARA	2,964,931
AHUJA, SANJAY	2,965,921	CHEVRON PHILLIPS		FISHER, ROBERT EARL	2,960,004
AHUJA, SANJAY	2,965,922	CHEMICAL COMPANY LP	2,959,223	FIVES OTO S.P.A.	2,966,106
AHUJA, SANJAY	2,965,924	CHONG, MATTHEW JOHN	2,929,349	FLOCKENHAUS, MICHAEL	2,928,939
ALMAGRO, JUAN CARLOS	2,965,652	CHOPLIN, GREGORY	2,965,043	FLUHR, TOBIAS	2,965,305
ALUNNI, VICTOR	2,965,392	CICCONI, DINO	2,927,825	FQE CHEMICALS INC.	2,928,419
AMRINE, PATRICK	2,947,334	CJS PRODUCTION		FRANCO MANUFACTURING	
ANESI, ANDREA	2,966,106	TECHNOLOGIES INC.	2,965,760	CO. INC.	2,936,344
ANTINOLFI, JOHN	2,928,680	CLARK, SUZANNE		FRANCO, DAVID LOUIS	2,936,344
ASIA FASTENING (US), INC.	2,964,008	WHITFIELD	2,966,233	GAYDOS, STEPHEN P.	2,959,264
ASSA ABLOY ENTRANCE		COLLETTE, STEPHEN		GCX CORPORATION	2,964,553
SYSTEMS AB	2,963,656	ROBERT	2,945,359	GEIGER, ANDREAS	2,965,227
ATKINSON, PETER	2,928,488	COLYAR, JAMES J.	2,965,413	GENERAL ELECTRIC	
AUSTIN, JASON FRANKLIN	2,928,939	COTE, GUYLAINE	2,949,319	COMPANY	2,964,614
AXENS	2,965,413	COTE, VYTAL	2,949,319	GENERAL ELECTRIC	
BAZOS, DEMETRIUS J.	2,928,818	COVIDIEN LP	2,965,931	COMPANY	2,964,617
BEAUCHAMP, PIERRE-LUC	2,952,137	COVIDIEN LP	2,965,951	GENERAL ELECTRIC	
BECK, HAROLD KENT	2,965,921	COVIDIEN LP	2,965,954	COMPANY	2,964,624
BECK, HAROLD KENT	2,965,922	COYLE, ANTHONY JOHN	2,965,652	GENERAL ELECTRIC	
BECK, HAROLD KENT	2,965,924	CRISTEL	2,963,564	COMPANY	2,964,724
BEN SALAH, IHSEN	2,928,823	DAGENAIS, MELANIE	2,928,500	GENERAL ELECTRIC	
BENECKE, ARNOLD G.	2,965,624	DAIFUKU CO., LTD.	2,958,522	COMPANY	2,965,292
BENNETT, ERIC M.	2,965,652	DANCO, INC.	2,966,109	GEORGESON, GARY	2,964,400
BENUM, LESLIE WILFRED	2,928,459	DARR, MATTHEW RAIN	2,965,023	GERMAIN, SIMON-PIERRE	2,952,137
BHARADWAJ, JEETENDRA	2,965,954	DAUGBJERG, CRISTIAN J.	2,964,553	GEUBERT, CHRISTIAN	2,965,655
BORLOZ, PAUL R.	2,964,553	DAVIS, SCOTT	2,966,086	GIBSON, SIDNEY	2,928,655
BRAINCHILD SURGICAL		DAYTON, LIONEL E.	2,964,008	GLASER, ROBERT P.	2,964,553
DEVICES LLC	2,928,615	DE HAAS, THOMAS W.	2,932,090	GLAZIER, RICKY J.	2,966,094
BRIAND, VALERIE	2,964,931	DE LASA, HUGO	2,966,111	GRAHAM, BRUCE PATRICK	2,964,655
BROCKEL, MICHAEL D.	2,966,094	DEES, JASON EDWARD	2,965,292	GREEN, JEFFREY	2,928,478
BRUGGER, EMMANUEL	2,963,564	DEFRANKS, MICHAEL S.	2,965,025	GREENBERG, STEVEN A.	2,965,652
BRUNONE, RENE	2,965,799	DELPEDANG, GARY J.	2,965,197	GROBE, JUSTIN L.	2,929,810
BUHLMANN, JANET		DHOTE, NAVNEET		GROVES II, ROBERT	
ELIZABETH	2,965,652	RAMKRUSHNAJI	2,965,021	CHARLES	2,964,624
BUNKER, RONALD SCOTT	2,964,624	DIMEX OFFICE PRODUCTS		GUERRY, BRIAN ROBERT	2,966,233
BURNSIDE, PHILLIP	2,965,030	LLC	2,947,334	GULLA, STEFANO V.	2,965,652
BYRNE, NORMAN R.	2,965,833	DITULLIO, ROBERT J.	2,975,770	GUO, XUAN	2,965,023
BYRNE, NORMAN R.	2,965,859	DODANE, PAUL	2,963,564	HAGGARD, GARY B.	2,965,970
BYRNE, NORMAN R.	2,965,882	DONKOR, DAVID APRAKU	2,966,425	HALL, JAMES PERRY	2,965,652
BYRNE, NORMAN R.	2,965,885	DORAISWAMY, SRIRAM	2,978,157	HALLMAN, DAVID	2,928,891
BYRNE, NORMAN R.	2,965,889	DREAMWELL, LTD.	2,965,025	HAWK INDUSTRIES, INC.	2,965,775
BYRNE, NORMAN R.	2,965,892	DROUVILLE, PASCAL	2,963,564	HAYDEN, CHRIS	2,963,201
C.E.R.M.E.X.		DUWELL, MICHAEL J.	2,965,025	HILL, MORGAN L.	2,965,954
CONSTRUCTIONS		E2METRIX INC.	2,928,823	HOFFMANN NEOPAC AG	2,965,227
ETUDES ET		EARTHBIN INC.	2,928,891	HOOFARD, RICHARD K.	2,963,656
RECHERCHES DE		EATON CORPORATION	2,965,021	HOTTOVY, JOHN D.	2,959,223
MATERIELS POUR		EATON CORPORATION	2,965,023	HOUGHTON, DAVID L.	2,965,456
L'EMBALLAGE		EEMAX, INC.	2,963,201	HOWE, STEPHEN ROLAND	2,965,175
D'EXPEDITION	2,965,043	EGGENBERG, ANDREAS	2,965,227	HUARD, CHRISTINE	2,965,652
CAMP, WILLIAM P., JR.	2,965,624	ELLIOTT, MARK	2,966,094	HUBBELL INCORPORATED	2,929,349
CAMPBELL, SUSAN	2,932,090	ENDURA PRODUCTS, INC.	2,937,472	HURLEY, PATRICK J.	2,930,799
		ENG, DENNEDY D.J.	2,932,090	HUYNH, QUANG MINH	2,965,456

**Index of Canadian Applications Open to Public Inspection
October 29, 2017 to November 4, 2017**

IFP ENERGIES NOUVELLES	2,965,413	LUKES, RICHARD W.	2,964,008	PRAKASH, OM	2,959,264
IHN, JEONG-BEOM	2,964,400	MACDOUGALL, KENNETH L.	2,959,908	PRATT & WHITNEY CANADA	
IJERI, VIJAYKUMAR S.	2,959,264	MACKIN, STEVE	2,960,004	CORP.	2,962,050
ILLINOIS TOOL WORKS INC.	2,951,304	MAGILL, MICHAEL	2,928,763	PRO FORM PRODUCTS	
ION IRRIGATION		MAGNA SEATING INC.	2,966,219	LIMITED	2,959,422
MANAGEMENT INC.	2,928,763	MAH, EVAN GEEVOUY	2,928,459	PROPES, MARK	2,928,478
IRVINE, DOUGLAS J.	2,932,090	MAHAN, CASEY	2,928,763	PUTCHA, SAI PHANEENDRA	
JANG, BETTINA A.	2,927,825	MAHER, PETER J.	2,965,889	SRI HARSHA	
JANKIN, GREEDARAN		MAJOR PRODUCTS/ SIDNEY		VISWANATH	2,965,197
KUBENDRAN	2,964,655	GIBSON LIMITED	2,928,655	PUTZ, BENJAMIN	2,964,549
JASKIEWICZ, TOMASZ	2,937,472	MANESH, ALIREZA MOLAEI	2,965,761	QUIROZ, ANTHONY	2,959,824
JOHNSON, BRAD	2,928,672	MANKAR, NIKHIL P.	2,965,954	RAFEZY, BEHZAD	2,965,456
JOHNSON, TIM	2,966,153	MASON, DOUGLAS J.	2,928,419	REHRIG PACIFIC COMPANY	2,966,233
JONNALAGADDA, DATTU,		MCCLURE, MIKE	2,965,775	REMUDA ENERGY	
G.V.	2,964,655	MEETHER, STUART L.	2,966,094	SOLUTIONS LTD.	2,971,322
JOSAWA, S.A. DE C.V.	2,951,055	MENZENHAUER, FRANK	2,965,655	RESCHKE, ARLEN J.	2,965,954
JURCZYSZAK, ERIC R.	2,963,201	MESSINA, CLAUDIO	2,965,861	RICHARDSON, KEVIN	2,928,672
KAMINSKY, ROBERT D.	2,978,157	MESSINA, GIANFRANCO	2,965,861	RINDOKS, KURT P.	2,957,393
KELLY, BRENDAN	2,965,970	MIHU, SERGIU GABRIEL	2,963,201	ROEVER, DOUGLAS M.	2,965,254
KEWAUNEE SCIENTIFIC		MILLER, MITCHELL B.	2,967,707	ROLLS-ROYCE	
CORPORATION	2,957,393	MILLWARD, DOUGLAS	2,964,655	CORPORATION	2,965,030
KHALEDI, RAHMAN	2,978,157	MINISH, SHELDON M.	2,965,760	ROLLS-ROYCE	
KHAN, NOUMAN BASHIR	2,929,349	MITCHELL, MARC A.	2,965,885	CORPORATION	2,965,254
KISER, SCOTT W.W.	2,965,760	MITEK HOLDINGS, INC.	2,965,456	ROLLS-ROYCE NORTH	
KLEINSCHMIDT, ROBERT		MOHAMED ANVER,		AMERICAN	
ALAN	2,951,304	MOHAMED RIZLAN	2,928,452	TECHNOLOGIES, INC.	2,965,030
KLUTHE, JEFFREY THOMAS	2,928,459	MOHAN, SUBRAMANIAN	2,959,264	ROOKS, KATHY E.	2,965,951
KNAPP, ROBERT L.	2,965,885	MORAD, FRED I.	2,965,624	ROY, JACQUES	2,928,806
KNUETTEL, ALEXANDER	2,962,304	MOREY, KEVIN	2,947,334	RUIZ, ANDRES	2,936,344
KODANGATTIL, SREEKUMAR		MORIN, SEBASTIEN	2,952,137	RYNERSON, JAMES M.	2,965,904
R.	2,965,652	MORRIS, JOHN R.	2,965,760	SANDERS, FORREST ADAM	2,947,334
KOLONIA, BRIAN J.	2,965,392	MORROW, NICKOLAS J.	2,965,833	SANTILLAN, DONNA ANN	2,929,810
KOLONIA, ROBERT K.	2,965,392	MORROW, NICKOLAS J.	2,965,885	SANTILLAN, MARK K.	2,929,810
KONIDAS, PETER J.	2,928,818	MORROW, NICKOLAS J.	2,965,892	SAPIANO, HENRY J.	2,932,090
KOSEK, STEPHEN	2,963,656	MOSYAK, LIDIA	2,965,652	SAWAI, NILESH KAMLAKAR	2,965,021
KOSELEK, MICHAEL		MUKHERJEE, SHILADITYA	2,964,614	SCHUSTER, MICHAEL J.	2,966,109
EDWARD	2,928,459	NAHRWOLD, OLAF	2,965,655	SCRANTON PRODUCTS, INC.	2,965,392
KOSLIK, JOSEPH	2,959,824	NCS MULTISTAGE INC.	2,966,153	SERCEL	2,965,250
KOZLOWSKI, ERIC	2,966,219	NESTER, TRAVIS	2,971,322	SHEFFIELD, WILLIAM PETER	2,966,425
KRIMSKY, WILLIAM S.	2,965,931	NEUNDORFER, OSCAR L.	2,965,021	SHERWINTER, DANNY A.	2,928,615
KRITZER, PETER	2,965,655	NIEDERER, PATRICK	2,965,305	SHINE CHARM LIMITED	2,953,448
KUFELD, SCOTT E.	2,959,223	NOVA CHEMICALS		SIMANZHENKOV, VASILY	2,928,459
KUMAR, PRAMOD	2,965,021	CORPORATION	2,928,459	SIVAPRASAD,	
LAAROSSI, MOHAMED	2,928,823	NUCOR CORPORATION	2,964,008	RACHAMADUGU	2,964,655
LACOINTE, STEPHANIE	2,964,931	OBAGI, ZEIN E.	2,975,115	SMITH, JAMES F.	2,965,950
LANGLOIS, SIMON	2,952,137	OGAWA-GARCIA, SYDNEY		SMITH, JENNIFER	2,932,090
LARSON, ERIC W.	2,965,954	MARIE	2,966,233	SOLO-MED GMBH	2,961,064
LAUER, FRANK	2,965,655	OKAMURA, TAKASHI	2,958,522	SOREL, WILLIAM J.	2,928,420
LAUTENBACH, AARON G.	2,965,882	ORBIS CORPORATION	2,965,175	SPECK, JAMES H.	2,959,422
LAVALLIE, EDWARD		OSAWA DIAZ, JOSE	2,951,055	SPORT MASKA INC.	2,952,137
ROLAND	2,965,652	OTTO INTERNATIONAL, INC.	2,959,824	STEADYSERV	
LAW, MATTHEW G.	2,966,094	OVIVO INC.	2,965,970	TECHNOLOGIES, LLC	2,928,939
LEBLANC, DANIEL A.	2,928,417	PANKRATOV, MAKSIM	2,962,050	STEENBRINK, BRIAN	
LEDoux, LEON	2,965,120	PATE, RANDELL E.	2,965,859	WILLIAM	2,952,137
LEE, RAZGO	2,959,824	PELLETIER, VINCENT	2,928,447	SUNCOR ENERGY INC.	2,932,090
LELEK, SHAWN	2,971,322	PETERSEN, RALF	2,961,064	TESA SE	2,964,549
LEMELIN, AMELIE	2,928,500	PF WATERWORKS LP	2,965,921	THE BOEING COMPANY	2,959,264
LEYARD OPTOELECTRONIC		PF WATERWORKS LP	2,965,922	THE BOEING COMPANY	2,960,004
CO., LTD.	2,942,939	PF WATERWORKS LP	2,965,924	THE BOEING COMPANY	2,964,400
LIGHTY, KERRY J.	2,965,030	PFIZER INC.	2,965,652	THE BRIGHAM AND	
LITTLEFIELD, JOSHUA K.	2,964,553	PIE MEDICAL IMAGING B.V.	2,965,120	WOMEN'S HOSPITAL,	
LOCK ANTRIEBSTECHNIK		PLACSKO, CHAD	2,928,763	INC.	2,965,652
GMBH	2,965,305	POST CONSUMER BRANDS,		THE COLEMAN COMPANY,	
LOCK, FRANK	2,965,305	LLC	2,945,359	INC.	2,966,094

**Index des demandes canadiennes mises à la disponibilité du public
29 octobre 2017 au 4 novembre 2017**

THE UNIVERSITY OF WESTERN ONTARIO	2,966,111
THEBUD, NILS	2,964,549
THOMPSON, BENJAMIN JOEL	2,965,175
TIWARI, PRASHANT	2,964,614
TIWARI, PRASHANT	2,964,617
TOPFLOOR UNDERLAYMENT INC.	2,928,447
TRANZONIC COMPANIES	2,965,624
TREFZ, THOMAS G.	2,966,094
UNISON INDUSTRIES, LLC	2,964,655
UNIVERSITY OF IOWA RESEARCH FOUNDATION	2,929,810
UNKNOWN	2,928,500
URBAN, ERIC JOHN	2,951,304
VALISHIN, OLEG	2,965,250
VAUGHN, MICHAEL PINKNEY	2,957,393
VERNAY, SEBASTIEN	2,964,931
VETRONE, JOE	2,932,090
VOCO GMBH	2,962,304
WAL-MART STORES, INC.	2,928,478
WAL-MART STORES, INC.	2,965,197
WALFORD, BRETT A.	2,963,656
WANG, DINGFANG	2,942,939
WANG, GUANGHUA	2,965,292
WARD, JOSEPH D.	2,965,859
WARREN, ANTHONY G.	2,965,296
WEIJERS, BAS	2,965,120
WERRIES, MICHAEL	2,966,153
WETZEL, TODD GARRETT	2,965,292
WIART, NICOLE JACQUELINE	2,952,137
WIBERG, CLARK GEORGE	2,964,614
WIEGHARDT, LISA	2,964,549
WOLF, RORY A.	2,951,304
WOODIN, FREDERICK W., JR.	2,975,115
WOTZAK, MARK GREGORY	2,964,724
YAMAUCHI, YASUHIRO	2,958,522
YU, YI	2,953,448
ZHANG, XUECHENG	2,965,023
ZHANG, YUHUA	2,966,094
ZO SKIN HEALTH, INC.	2,975,115
ZODIAC AEROSAFETY SYSTEMS	2,964,931

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

3M INNOVATIVE PROPERTIES COMPANY	2,980,735	AKZO NOBEL CHEMICALS INTERNATIONAL B.V.	2,981,210	AQUATECH INTERNATIONAL, LLC	2,983,645
3M INNOVATIVE PROPERTIES COMPANY	2,982,919	AKZO NOBEL CHEMICALS INTERNATIONAL B.V.	2,983,402	ARAI, RYOSUKE	2,983,391
3M INNOVATIVE PROPERTIES COMPANY	2,982,921	AL-YOUSEF, YOUSEF M.	2,983,238	ARAKANE, TORU	2,983,812
3M INNOVATIVE PROPERTIES COMPANY	2,982,939	ALANI, LAMAN	2,966,758	ARCELORMITTAL	2,980,878
3M INNOVATIVE PROPERTIES COMPANY	2,983,688	ALBEMARLE CORPORATION	2,967,439	ARCELORMITTAL	2,981,567
AB INITIO TECHNOLOGY LLC	2,983,080	ALBEMARLE EUROPE SPRL	2,983,518	ARCTURUS THERAPEUTICS, INC.	2,968,060
ABE, SHINYA	2,983,722	ALBEMARLE GERMANY GMBH	2,983,362	ARENT, LEE MATHEW	2,983,340
ABEDRABOH, MAMOON TAWFIQ	2,983,733	ALBERT, THOMAS	2,983,351	ARIAD PHARMACEUTICALS, INC.	2,965,169
ABOCA S.P.A. SOCIETA AGRICOLA	2,967,746	ALBERT, THOMAS	2,983,549	ARKEMA FRANCE	2,967,179
ABOCA S.P.A. SOCIETA AGRICOLA	2,967,749	ALBROW, ROBERT CHARLES	2,982,819	ARMSTRONG WORLD INDUSTRIES, INC.	2,983,637
ABOUSHABANA, MOUSTAFA	2,981,182	ALCARAZ, JEAN-PIERRE	2,981,570	ARNETT, MELISSA	2,981,362
ACADEMISCH MEDISCH CENTRUM	2,983,652	ALDER BIOPHARMACEUTICALS, INC.	2,983,041	ARONIN, NEIL	2,980,337
ACHARYA, BHARAT R.	2,980,735	ALEXANDER, SIMON	2,976,573	ARRAY BIOPHARMA, INC.	2,967,951
ACHELIOS THERAPEUTICS, INC.	2,966,843	ALFA LAVAL CORPORATE AB	2,983,628	ARRIGO, ALISHA B.	2,967,951
ACTIVBODY, INC.	2,983,417	ALIVEGEN USA INC.	2,983,440	ARUMUGAM, SIVAKUMAR	2,967,952
ADC THERAPEUTICS S.A.	2,981,920	ALLART, BRIGITTE	2,983,342	ASANO, YASUTOMI	2,983,391
ADDISON, PAUL S.	2,982,855	ALLEN, CLAUDINE	2,983,656	ASCENSIA DIABETES CARE HOLDINGS AG	2,983,551
ADEY HOLDINGS (2008) LIMITED	2,982,819	ALLEN, GARY ROBERT	2,983,422	ASILOMAR BIO, INC.	2,983,592
ADEY, CHRISTOPHER	2,982,819	ALLEN, RODGER ANTHONY	2,981,631	ASKIJIAN, ARMEN	2,983,494
ADKINS, STEPHEN JOHN	2,983,393	ALLERGAN, INC.	2,966,424	ASKIJIAN, ARMEN	2,983,497
ADLER, STEVE	2,980,176	ALLERGAN, INC.	2,967,413	ASSISTANCE PUBLIQUE HOPITAUX DE MARSEILLE	2,983,365
ADLOFF, LAWRENCE	2,983,462	ALLISON, DANIEL S.	2,983,041	ASTELLAS PHARMA INC.	2,983,400
ADVENT INTERMODAL SOLUTIONS	2,983,418	ALLO, FABIEN	2,983,957	ASTERJADHI, ALFRED	2,980,467
AEGERION PHARMACEUTICALS, INC.	2,983,995	ALMEIDA, JOSE LUIS	2,983,741	ASTERJADHI, ALFRED	2,980,674
AFEWORKI, MOBAE	2,967,047	ALTERMAN, JULIA	2,980,337	ASTERJADHI, ALFRED	2,980,675
AFFAGARD, HERVE	2,983,194	AMANO, SHUICHI	2,984,100	ASTIR TECHNOLOGIES, INC.	2,983,864
AFFIMED GMBH	2,983,706	AMARANTE, MIRANDA	2,980,722	ASTRAZENECA AB	2,983,668
AGRAWAL, AKHIL	2,983,624	AMAZON TECHNOLOGIES, INC.	2,980,583	ATERICA INC.	2,983,806
AGRAWAL, TUSHAR	2,983,410	AMAZON TECHNOLOGIES, INC.	2,980,590	ATILA BIOSYSTEMS, INC	2,983,819
AGUAYO ARELLANO, PABLO IVAN	2,983,423	AMBLARD, MATTHIEU	2,981,567	ATKINS, ANNETTE	2,983,268
AHLGREN, NILS WILLIAM	2,965,237	AMERI, JACQUELINE	2,983,764	ATKINSON, JONATHAN	2,964,304
AIMI, MARCO FRANCESCO	2,977,788	AMGEN INC.	2,980,960	ATTABOTICS INC.	2,983,630
AIR LIQUIDE MEDICAL SYSTEMS	2,983,713	AMOREPACIFIC CORPORATION	2,980,890	AUBE, TODD	2,964,964
AIR LIQUIDE MEDICAL SYSTEMS	2,983,717	AMUT S.P.A.	2,983,710	AUDENAERT, FRANS A.	2,983,688
AJ INNUSCREEN GMBH	2,983,619	ANAND, FARMINDER SINGH	2,982,683	AUERBACH, PHILIPP	2,983,697
AJ INNUSCREEN GMBH	2,983,623	ANDERSEN, AUDREE	2,983,892	AURA - ENGINEERING HRANICE S.R.O.	2,983,480
AJ INNUSCREEN GMBH	2,983,626	ANDERSON, GRANT	2,983,799	AUTOMED KIOSK PTY LTD	2,983,692
AKI, YUICHI	2,983,788	ANDERSON, IAN	2,983,103	AUTOMOTIVE DATA SOLUTIONS, INC.	2,984,083
AKUTSU, YOSUKE	2,983,718	ANDERSSON, LEIF	2,983,565	AUZERAIS, FRANCOIS M.	2,980,722
		ANDRE, JEROME	2,983,704	AVENT, INC.	2,983,586
		ANDRITZ HYDRO GMBH	2,983,631	AVENT, INC.	2,983,587
		ANGSTMANN, STEVEN ANTONY	2,984,011	AVENT, INC.	2,983,591
		ANSARI, AYSHA	2,983,804	AVENT, INC.	2,983,607
		ANTON, KENNETH J.	2,982,925	AVERY DENNISON CORPORATION	2,981,362
		ANTONIOU, ZOI	2,980,791	AVERY DENNISON CORPORATION	2,983,309
		APPLY RIGHT, LLC	2,983,275		

Index des demandes PCT entrant en phase nationale

AVIDBOTS CORP.	2,983,944	BARJON, DANIELE	2,981,628	BEATTY, ROBERT	2,983,429
AVIVAGEN INC.	2,983,791	BARKAN, EDWARD D.	2,983,119	BEAU, JEREMY	2,980,723
AVSHALOM, SHIMON	2,983,676	BARNSCHEID, LUTZ	2,983,485	BECKETT, PAUL	2,966,334
AXON PRESSURE PRODUCTS INC.	2,983,305	BARNSCHEID, LUTZ	2,983,499	BECKETT, PAUL	2,966,356
AYME-PERROT, DAVID	2,981,648	BARNSCHEID, LUTZ	2,983,634	BECKETT, PAUL	2,966,359
AYUB, MUHAMMAD	2,983,101	BARNSCHEID, LUTZ	2,983,638	BECTON DICKINSON ROWA GERMANY GMBH	2,983,375
AZUMA, RYOTA	2,983,400	BARNSCHEID, LUTZ	2,983,640	BECTON DICKINSON ROWA GERMANY GMBH	2,983,554
B. BRAUN MEDICAL INC.	2,983,594	BARNSCHEID, LUTZ	2,983,642	BEDARD, MARC	2,983,657
B. MAIER ZERKLEINERUNGSTECH NIK GMBH	2,982,844	BARONE, FRANCESCA	2,981,631	BEDDOW, JESSICA GRACE	2,979,837
BABA, AKIRA	2,983,989	BARRIAC, GWENDOLYN DENISE	2,980,467	BEDNAREK, MAGDALENA ANNA	2,966,314
BACHMAN, BEN	2,983,817	BARRIAC, GWENDOLYN DENISE	2,980,674	BEEHARRY, NEIL	2,966,334
BACK, OLIVIER	2,983,671	BARRIAC, GWENDOLYN DENISE	2,980,675	BEEHARRY, NEIL	2,966,356
BACON, RAYMOND JOHN	2,982,529	BARRY, JOHN J.	2,968,104	BEEHARRY, NEIL	2,966,359
BACQUE, JAMES BENSON	2,983,461	BARTHOLDI, JURG	2,983,622	BEEK, WALDO JOSEPH ELISABETH	2,981,210
BADGER LICENSING LLC	2,968,063	BARTLING, BRANDON A.	2,980,735	BEHRENDT, GERALD	2,983,558
BADHWAR, AJAY N.	2,982,510	BARTON-SMITH, TERENCE MARK	2,983,065	BEISEL, CHASE LAWRENCE	2,983,874
BAE SYSTEMS PLC	2,983,689	BASAFA, EHSAN	2,983,145	BEISELE, CHRISTIAN	2,983,679
BAE, YOU HAN	2,966,422	BASF COATINGS GMBH	2,983,892	BEK, MARTIN	2,981,113
BAECKSTROEM, TOM	2,983,813	BASF SE	2,981,113	BELANGER, MICHAEL J.	2,983,409
BAGLEY, COLIN	2,983,451	BASF SE	2,981,396	BELANGER, MICHAEL J.	2,983,430
BAHREYNI, BEHRAAD	2,983,860	BASF SE	2,981,755	BELDEN CANADA INC.	2,983,354
BAILEY, ANDREW	2,983,781	BASF SE	2,983,393	BELDEN CANADA INC. SUMMERS	2,983,356
BAKER HEART AND DIABETES INSTITUTE	2,983,808	BASIR, OTMAN A.	2,979,206	BELLIN, ERIN GRACE	2,965,165
BAKER HUGHES, A GE COMPANY, LLC	2,980,919	BASSISSI, FIRAS	2,965,262	BELLIN, ERIN GRACE SUMMERS	2,965,172
BAKER HUGHES, A GE COMPANY, LLC	2,980,981	BASSON, GAL	2,979,050	BELLOVIN, DAVID	2,980,460
BAKER HUGHES, A GE COMPANY, LLC	2,980,988	BASTIANELLI, ENRICO	2,983,373	BELTRAN, CHRISTINE J.	2,980,118
BAKER HUGHES, A GE COMPANY, LLC	2,981,008	BASTOS, CARLOS ANDRE PASSOS	2,983,651	BENDER, ANDREW	2,967,853
BAKER HUGHES, A GE COMPANY, LLC	2,981,160	BATAHLA, KEVIN	2,983,947	BENIE, ASTRID	2,980,836
BAKER HUGHES, A GE COMPANY, LLC	2,983,273	BATARSEH, SAMEEH I.	2,983,101	BENITEZ, KIARA M.	2,967,047
BAKER HUGHES, A GE COMPANY, LLC	2,983,793	BATSON, WILLIAM A.	2,983,374	BENKOVIC, STEPHEN	2,981,773
BAKER HUGHES, A GE COMPANY, LLC	2,983,811	BATSON, WILLIAM A.	2,983,658	BENNETT, JUSTIN E.	2,980,587
BAKER, DANNIAL, JR.	2,984,023	BAUDIN, NICOLAS	2,981,634	BENNETT, PAUL NATHAN	2,983,109
BAKER, DANNIAL, SR.	2,984,023	BAUDIN, NICOLAS	2,981,640	BENNETT, PAUL NATHAN	2,983,124
BAKER, JAY	2,983,653	BAUDIN, NICOLAS	2,981,681	BENTZINGER, CONRAD FLORIAN	2,980,113
BAKER, KEVIN	2,980,460	BAUER, JURGEN	2,983,892	BENYAMIN, RASMIN M.	2,983,582
BAKER, KRISTI	2,983,794	BAUER, MIKAEL	2,980,836	BERARD, MATHIEU	2,981,682
BAKER, KRISTI	2,983,796	BAUER, WALTER JACOB	2,983,830	BERDOU, CAROLINE JACQUELINE DENISE	2,983,968
BAKER, PATRICK	2,984,032	BAUMGART, DANIEL	2,983,382	BERDOU, CAROLINE JACQUELINE DENISE	2,983,970
BALATSOS, ARIS	2,983,800	BAUMGARTNER, DEAN JOSEPH	2,982,683	BERENDSEN, MARK	2,982,414
BALIGA, RAMESH	2,980,751	BAUMGARTNER, JOSEPH ERNEST	2,966,887	BERET, ANTOINE	2,965,262
BALINT, GEZA	2,983,087	BAXTER HEALTHCARE SA	2,968,104	BERG, CHARLES JOHN, JR.	2,983,340
BALLAN, EYAL	2,983,557	BAXTER INTERNATIONAL INC.	2,968,104	BERGER, SUSANNA CAROLINA	2,965,347
BALOGH, AKOS	2,980,824	BAXTER, JAMES M., JR.	2,964,964	BERGERFURTH, DENNIS	2,982,414
BANDER, NICHOLAS	2,983,579	BAYER		BERGH SPECIAL PRODUCTS BV	2,983,170
BANERJEE, GOUTAMI	2,983,620	AKTIENGESELLSCHAFT	2,983,884	BERGMANN, ANDREAS	2,983,542
BANERJEE, RAJAT	2,980,583	BAYER CROPSCIENCE	2,983,763	BERLIN, MARK REINHARD	2,983,701
BARBER, SCOTT	2,983,063	AKTIENGESELLSCHAFT	2,980,723	BERMAN, PHILLIP J.	2,982,924
BARBIER, ANN	2,967,382	BAYER CROPSCIENCE LP	2,983,893	BERMAN, ROBERT M.	2,967,659
BARBIERO, GENNARO	2,964,964	BAYER CROPSCIENCE NV	2,983,589	BERMAN, ROBERT M.	2,967,662
BARBION, JULIEN	2,983,674	BAYER HEALTHCARE LLC	2,983,592	BERNHARD, KAY	2,981,194
BARBOUR, PATRICK	2,983,992	BAYER TRAVIS SCOTT		BERNHARD, KAY	2,981,221
BARDIN, NATHALIE	2,983,365	BAYLOR COLLEGE OF MEDICINE	2,983,434	BERNINI, MARISTELLA	2,981,601
		BAZIN-LEE, HELENE G.	2,967,248	BERNREITNER, KLAUS	2,983,900
		BAZZELL, NATHANAEL RON	2,979,799		

Index of PCT Applications Entering the National Phase

BERRY PLASTICS CORPORATION	2,983,334	BOARD OF REGENTS OF THE NEVADA SYSTEM OF HIGHER EDUCATION, ON BEHALF OF THE UNIVERSITY OF NEVADA, RENO	2,983,732	BRIGHAM, GRAHAM	2,984,046
BERRY, DAVID H.	2,983,589	BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA	2,967,468	BRIGHT, STEWART	2,956,230
BERTHIAUD, MICHEL	2,983,704	BOCTOR, EMAD MIKHAIL	2,983,145	BRISTOL-MYERS SQUIBB COMPANY	2,980,147
BERTIN, PAUL	2,980,924	BOD, FRANK	2,983,170	BRITANNIA ENGINEERING (ISLE OF MAN) LIMITED	2,983,180
BERTRAND, CLAUDE	2,983,775	BODET, HERVE	2,983,457	BRODDEFALK, JOHAN OLOF	2,983,668
BESIRLI, CAGRI GIRAY	2,980,936	BODNER, MICAH	2,983,408	BROGGER, CARSTEN NYGAARD	2,983,757
BESSETTE, LUC	2,983,466	BOEHMER, JUTTA ELISABETH	2,980,824	BROTIER, SEBASTIEN	2,983,383
BEST SWING ONE, LLC	2,982,768	BOISSON, ALEXANDRE BERNARD MARIE	2,983,968	BROUILLETTE, MARTIN	2,983,655
BETANCORT, JUAN MANUEL	2,983,446	BOISSON, ALEXANDRE BERNARD MARIE	2,983,970	BROWN III, CARL OSCAR	2,983,394
BETH ISRAEL DEACONESS MEDICAL CENTER, INC.	2,980,339	BOJANOWSKI, BARTOSZ	2,972,620	BROWN, CAL R.	2,983,777
BEYER, CHARLES J.	2,983,767	BOMBARDIER INC.	2,983,082	BROWN, MICHAEL Y.	2,983,594
BHAN, OPINDER KISHAN	2,966,629	BOMBARDIER INC.	2,983,373	BROWNSTEIN, CARRIE	2,967,820
BHARDWAJ, VIVEKANAND	2,967,738	BONE THERAPEUTICS S.A.	2,983,800	BRUGGRABER, SYLVAIN	2,983,651
BHASIN, SWATI	2,983,918	BOOTH, SIMON	2,983,800	FRANCOISE ALINE	2,983,651
BHATTA, PALLAVI	2,983,770	BORAGNO, LUCA	2,983,900	BRUN, SONIA	2,965,262
BHINGE, SANTOSH VENKATESH	2,983,645	BOREALIS AG	2,983,406	BUCA, PETER	2,983,149
BIANCHI, ERNESTO GABRIEL	2,980,148	BOREALIS AG	2,983,423	BUCHMANN, MARKUS	2,983,773
BIC-VIOLEX SA	2,980,791	BOREALIS AG	2,983,900	BUENO, ARMAND	2,983,187
BIERLMAIER, STEPHEN J.	2,967,828	BORG, ERIK HELGE	2,983,806	BUERMANN, MARITA	2,983,892
BIG DNA LTD	2,966,288	BORGSTROM, LEONARD	2,983,628	BUGDAYCI SANSLI, DONE	2,979,075
BIG MOON POWER, INC.	2,983,451	BORING, CHARLES	2,966,758	BUHLER, SEBASTIAN	2,981,194
BIGLARI, SARDAR	2,979,799	BORMANN, KURT	2,981,325	BUHLER, SEBASTIAN	2,981,221
BIITIG, RICKY	2,964,964	BORNAL, ADA YESTE	2,980,730	BUJ BELLO, ANA MARIA	2,983,364
BILLGREN, JENS J.	2,983,041	BORSJE, ERIC	2,968,130	BULLINGTON, JEFF	2,980,168
BILODEAU, MICHAEL	2,983,443	BOSE, BHASKAR	2,983,574	BUREAU, YANNICK	2,981,648
BINI, ROBERTO	2,983,902	BOSMA, DOUGLAS J.	2,983,831	BURGER, DOUGLAS CHRISTOPHER	2,983,279
BIOGEN MA INC.	2,967,619	BOSMAN, RIGOBERT	2,983,416	BURKE, PAUL	2,980,176
BIOGEN MA INC.	2,967,645	BOTTCHER, OLAF	2,977,855	BURNHAM-MARUSICH, AMANDA	2,983,732
BIOGEN MA INC.	2,967,647	BOTTGER, FRANK	2,983,544	BURNS, RYAN	2,983,919
BIOHAVEN PHARMACEUTICAL HOLDING COMPANY LTD.	2,967,659	BOTTLEY, ANDREW	2,980,885	BUROUT, CHARLES J.	2,983,309
BIOHAVEN PHARMACEUTICAL HOLDING COMPANY LTD.	2,967,662	BOUCHER, GINO	2,983,657	BURTON, GRAHAM W.	2,983,791
BIOMET MANUFACTURING, LLC	2,983,488	BOUMA, ARJEN	2,983,776	BUS, EVELINE	2,983,518
BIOMET MANUFACTURING, LLC	2,983,650	BOURGEOIS, MARC RICHARD	2,983,340	BUSH, MATTHEW SANCHEZ	2,980,281
BIOSAFE S.A.	2,982,894	BOURGON, RICHARD	2,984,003	BUTTERFLY NETWORK, INC.	2,983,444
BIRKETVEDT, GRETHE STOA	2,983,823	BOURQUI, BERTRAND	2,983,685	BUTTNER, STEFAN	2,981,099
BISHOP, COREY J.	2,981,742	BOURSIER, BRUNO	2,982,993	BUTTS, EMILY	2,983,643
BISHT, NARENDRA SINGH	2,983,645	BOUSVAROS, GERASIMOS	2,980,791	BUYUKTIMKIN, NADIR	2,966,843
BISMILLA, YUSUF	2,956,230	BOUVIER, SYLVIE	2,983,365	BUYUKTIMKIN, SERVET	2,966,843
BKON CONNECT, INC.	2,980,498	BOUZIDI, LAZIZ	2,984,041	C&C RESEARCH LABORATORIES	2,966,742
BLAIS, PHILIPPE	2,983,656	BOWSER, ALAN E., JR.	2,967,971	C&C RESEARCH LABORATORIES	2,966,759
BLANCHARD, DARIAN	2,983,806	BOY, KENNETH M.	2,980,147	CABOT CORPORATION	2,983,470
BLAND, DAVID G.	2,981,362	BOYLE, THOMAS JOHN	2,983,422	CABRERA, PABLO ROBERTO MOLINA	2,983,944
BLANZ, CHRIS	2,980,498	BRADSKI, GARY R.	2,983,749	CACKOWSKI, SCOTT C.	2,983,369
BLAST MOTION, INC.	2,983,574	BRANDT SANZ, MIGUEL	2,983,452	CADILA HEALTHCARE LIMITED	2,980,847
BLISS, WILLIAM J.	2,983,288	BRANNON, HAROLD DEAN	2,980,988	CALABRO, DAVID CHARLES	2,967,047
BLODGETT, LYNN	2,983,451	BRATIC, DAMIEN	2,983,043	CALDWELL, RICHARD D.	2,967,853
BLOT-CHABAUD, MARCEL	2,983,365	BRAUN, HERMANN	2,983,900	CALIFORNIA INSTITUTE OF TECHNOLOGY	2,966,363
BLOTTIAU, OLIVIER	2,983,661	BRAUON, HAIM	2,982,063	CAMBIVM MEDICAL TECHNOLOGIES LLC	2,983,643
BLUMBERG, RICHARD	2,983,794	BREBION, RAYMOND	2,983,670	CAMERON, PETER	2,984,092
BLUMBERG, RICHARD S.	2,983,796	BRENER, EPHRAIM	2,984,088	CAMISANI, JULIEN PIERRE	2,982,894
BLY IP INC.	2,983,915	BRENNAN, THOMAS	2,980,460	CAMPAGNA, MATTHEW JOHN	2,980,590
		BRENNEIS, CHAD	2,980,998	CAMPBELL, RONALD P.	2,983,777
		BRENNER, CARMEN	2,983,373		
		BRIAS, JULIE	2,983,674		
		BRIET, SOPHIA	2,983,674		

Index des demandes PCT entrant en phase nationale

CAMPBELL, STUART	2,983,384	CHEN, KEVIN	2,965,237	CHURCHILL, ANDREW PHILIP	2,983,897
CAMPOS, MICHAEL A.	2,980,118	CHEN, KEVIN	2,965,256	CIHOLAS, MIKE E.	2,980,587
CANFIELD, RAYMOND	2,983,458	CHEN, MINGYU	2,983,479	CINQUIN, PHILIPPE	2,981,570
CANNABICS PHARMACEUTICALS INC.	2,983,557	CHEN, SEAN	2,976,573	CIVITAS THERAPEUTICS, INC.	2,966,637
CAO, JINGTAI	2,967,432	CHEN, SHUHUI	2,983,481	CL PRODUCTS INTERNATIONAL, LLC	2,980,738
CAO, WEIQI	2,981,210	CHEN, WANSHI	2,978,958	CLAES, PIETER ISABELLE ROGER	2,983,342
CAPPELLINI, PIERLUIGI	2,983,433	CHEN, WANSHI	2,980,344	CLARE, BENJAMIN JACOB	2,983,340
CAPRETTO, LORENZO	2,966,592	CHEN, WEN-LI A.	2,981,362	CLARIANT INTERNATIONAL LTD	2,981,370
CARAVANO, AUDREY	2,983,674	CHEN, XIAO-GUANG	2,983,948	CLARK EQUIPMENT COMPANY	2,983,899
CARBERRY, JONATHAN MICHAEL	2,983,689	CHEN, XIAODI	2,967,867	CLARK EQUIPMENT COMPANY	2,983,901
CARDER, DAVID	2,983,243	CHEN, XIN	2,983,819	CLARK EQUIPMENT COMPANY	2,983,916
CARDILLO, THOMAS M.	2,983,597	CHEN, YING	2,980,960	CLARK EQUIPMENT COMPANY	2,983,921
CARL FREUDENBERG KG	2,983,382	CHEN, YVONNE MAN-YEE	2,966,362	CLARK, ALASTAIR	2,964,304
CARL FREUDENBERG KG	2,983,539	CHENG, ALEXANDER M.	2,980,160	CLARK, EWAN MCINTOSH	2,966,288
CARLSON, DOUGLAS O.	2,983,690	CHENG, YUTING	2,983,604	CLARKE, PHILIP	2,980,885
CARLSON, LAWRENCE	2,983,462	CHENILLO, SAMUEL	2,983,741	CLARKE, RONALD C.	2,983,914
CARLSON, PAUL	2,983,596	CHERIAN, GEORGE	2,980,467	CLARKE, THEIS	2,983,470
CARMAN, PAUL S.	2,980,988	CHERIAN, GEORGE	2,980,674	CLEAR GUIDE MEDICAL, INC.	2,983,145
CARON, LESLIE	2,983,332	CHERIAN, GEORGE	2,980,675	CLYSAR LLC	2,981,325
CARPENTER, MARTY	2,983,916	CHERTOV, OLEG	2,983,927	CMD CORPORATION	2,982,830
CARPENTER, WILLIAM	2,977,884	CHEUNG, AARON YU LAI	2,956,230	CODEXIS, INC.	2,983,620
CARRETTA, ROBERTO	2,983,438	CHEUNG, JEANNE	2,967,368	COGNITIVE SYSTEMS CORP.	2,983,335
CARRETTA, ROBERTO	2,983,442	CHEVREUIL, FRANCIS	2,983,674	COHEN, AVI	2,983,958
CARRIERI, DAMIAN	2,983,636	CHEVRON U.S.A. INC.	2,966,402	COHEN, JEANNE	2,983,747
CARROLL, STEPHEN F.	2,980,751	CHEVRON U.S.A. INC.	2,966,404	COLAS	2,983,516
CARTAILLER, LAURENT	2,983,363	CHEVRON U.S.A. INC.	2,983,112	COLLIARD, SOPHIE	2,983,679
CASILLAS, LINDA N.	2,983,414	CHEW, DANIEL JOHN	2,983,652	COLLIS, ANDREW	2,983,073
CASOLA, MARISA	2,983,643	CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD.	2,983,475	COLOMBO MOTTAZ, SARA	2,983,685
CAVATUR, RAGHU	2,965,237	CHIDAMBARAN, RAVI	2,983,645	COMPOSITE TECHNOLOGY AND APPLICATIONS LIMITED	2,983,063
CAVATUR, RAGHU	2,965,256	CHIEN, DU-SHIENG	2,983,769	COMPOSITE TECHNOLOGY AND APPLICATIONS LIMITED	2,983,065
CAYRE YVON	2,967,842	CHINTINNE, MATHIAS	2,981,243	COMPOSITE TECHNOLOGY AND APPLICATIONS LIMITED	2,983,070
CAZAUX, YANNICK	2,983,187	CHIOU, HERBERT CLARK	2,981,440	COMPOSITE TECHNOLOGY AND APPLICATIONS LIMITED	2,983,073
CCS TECHNOLOGY, INC.	2,983,923	CHIVUKULA, PADMANABH	2,968,060	CONCERT PHARMACEUTICALS, INC.	2,981,791
CEDENO, DAVID LEONARDO	2,983,582	CHOI, JONG-ILL	2,983,099	CONMED CORPORATION	2,981,610
CELGENE QUANTICEL RESEARCH, INC.	2,983,446	CHOI, JONG-ILL	2,983,106	CONRAD, CHRIS	2,966,334
CENTRE HOSPITALIER UNIVERSITAIRE DE NIMES	2,983,365	CHOI, JUNG SUN	2,980,890	CONRAD, CHRIS	2,966,356
CENTRE HOSPITALIER UNIVERSITAIRE GRENOBLE	2,981,570	CHOMONTOWSKI, CHRYSSTIAN	2,980,870	CONRAD, CHRIS	2,966,359
CEPHALON, INC.	2,967,828	CHONG, JONATHAN WUN SHIUNG	2,980,731	CONSORT MEDICAL PLC	2,983,100
CEREPI, ADRIAN	2,983,775	CHOPARD, FABRICE	2,981,655	CONSORT MEDICAL PLC	2,983,103
CGG SERVICES SA	2,983,957	CHOU, HUNG-LIANG	2,982,683	CONSTANTIA HUECK FOLIEN GMBH & CO. KG	2,981,099
CHABOT, ALAIN	2,983,949	CHOU, TOMY M.	2,983,072	CONTINENTAL AUTOMOTIVE GMBH	2,983,558
CHANDRA, OMEED	2,983,098	CHOUDRY, MUHAMMAD UMAR	2,983,797	CONTRERAS ESPADA, JESUS	2,983,631
CHANDRASEKARAN, NIRUPAMA	2,983,124	CHOWDHURY, ASHFAQUL ISLAM	2,983,422	COOK, AUSTIN JAMES	2,983,689
CHANG, CHIEN-HSING	2,983,456	CHR. HANSEN NATURAL COLORS A/S	2,983,545	COOK, GEORGE MICHAEL	2,983,095
CHARATI, SANJAY GURBASAPPA	2,983,473	CHRISTENSEN, GREGORY LEE	2,981,481		
CHARITOS, ALEXANDROS	2,983,773	CHRISTENSEN, LARS L. H.	2,980,836		
CHARVAT, GREGORY L.	2,983,448	CHRISTIANSEN, PIERS	2,983,442		
CHASSET, SOPHIE	2,983,674	CHRISTIANSEN, SEAN	2,980,168		
CHEMOKIND, INC.	2,983,822	CHU, FELIX	2,966,523		
CHEN, CHI-KUANG	2,983,394	CHU, YI-WEN	2,983,769		
CHEN, JEFFREY	2,983,361	CHUNG, TIEN-KUEN	2,983,394		
CHEN, JEROME CHIN LUNG	2,983,564	CHURCHILL DRILLING TOOLS LIMITED	2,983,787		
CHEN, JUNYU	2,983,702	CHURCHILL DRILLING TOOLS LIMITED	2,983,897		
CHEN, KE	2,983,746	CHURCHILL, ANDREW PHILIP	2,983,787		

Index of PCT Applications Entering the National Phase

COOK, GEORGE MICHAEL	2,983,097	DANIEL MEASUREMENT AND CONTROL, INC.	2,982,949	DETERRE, MARTIN	2,983,360
COOK, GRANT O., III	2,982,940	DANISKI, JOSEPH A.	2,983,096	DEUTSCHER, EDWARD	2,983,825
COOK, GRANT O., III	2,983,113	DANISKI, JOSEPH A.	2,983,310	DEVANUR, DEEPIKA	2,965,165
COOK, JONATHAN EDWARD	2,983,095	DAROSZEWSKI, JANUSZ	2,983,791	DEVANUR, DEEPIKA	2,965,172
COOK, JONATHAN EDWARD	2,983,097	DARST RICE, MARK	2,983,401	DEWA, HARUTADA	2,984,098
COOK, MICHAEL KEVIN	2,983,095	DATTILO, VINCENT P.	2,983,767	DH TECHNOLOGIES DEVELOPMENT PTE. LTD.	2,967,769
COOK, MICHAEL KEVIN	2,983,097	DAVE, EMMA	2,983,770	DHURIA, NEENA	2,983,745
COOMBS, JASON R.	2,983,899	DAVEY, ALAN	2,982,969	DI GIORGIO, PATRICK	2,983,782
COPLAND, IAN B. (DECEASED)	2,983,643	DAVIDSON, ERIC ALAN	2,983,592	DI SERIO, EMILE THOMAS	2,981,374
CORIC, VLADIMIR	2,967,659	DAVIE, REBECCA LOUISE	2,967,737	DIAZ, CODY	2,980,722
CORIC, VLADIMIR	2,967,662	DAVIE, REBECCA LOUISE	2,967,894	DIAZ, LUIS	2,980,292
CORNEILLE, JEROME	2,981,976	DAVIS, SAMUEL	2,967,820	DIBROV, ELENA	2,983,460
CORPAK MEDSYSTEMS, INC.	2,983,615	DAWES, DIANA	2,983,562	DIBROV, PAVEL	2,983,460
COSS, CHRISTOPHER C.	2,983,403	DAWES, MARTIN	2,983,562	DIEPENBROCK, VERA	2,983,892
COSS, CHRISTOPHER C.	2,983,426	DE BOER, DOEDE	2,980,673	DIERKES, FRANK	2,983,384
COUPLAND, DUNCAN	2,982,692	DE BOER, THOMAS	2,983,644	DIGNAT-GEORGE, FRANCOISE	2,983,365
COURCAMBECK, JEROME	2,965,262	DE GAILLARD, THOMAS ALAIN	2,983,970	DILLE, MARK C.	2,982,835
COURCHENE, CHARLES E.	2,976,332	DE GRAAF, CORNELIS PIETER WILHELMUS	2,983,556	DING, GANG	2,980,674
COURTNEY, AMY N.	2,983,434	DE JONGE, WOUTER JACOB	2,983,652	DING, GANG	2,980,675
COVESTRO DEUTSCHLAND AG	2,983,367	DE LA ROSA, OLGA	2,983,950	DION, STEVEN	2,983,655
COVESTRO DEUTSCHLAND AG	2,983,561	DE RICCARDIS, ANDREA	2,983,238	DIPLAS, ATHANASSIOS	2,983,439
COVIDIEN LP	2,982,855	DE WAAL, PAULUS PETRUS	2,983,776	DISTEL, ROBERT J.	2,967,842
COWAN, KEVIN P.	2,983,589	DE WACHTER, MAXIM MARIA PAUL	2,983,342	DITULLIO, DANIEL DALE, JR.	2,981,620
COWLEY, ROBERT GUY	2,983,630	DE, SAMIRAN	2,981,440	DIVECHA, ANIKET DEEPAK	2,980,583
CREGER, CARLYLE J.	2,980,760	DECESARE, MICHAEL J.	2,981,610	DIXON, JENNIFER	2,983,747
CREIGHTON, JASON TIMOTHY	2,983,286	DECKER, CHRISTIAN J.	2,983,767	DOBRZYNSKI, WLODZIMIERZ PIOTR	2,966,314
CROCKER, DAVID SCOTT	2,983,470	DECROOS, KAREL	2,980,960	DOKTER, JANNES	2,980,107
CROCKETT, RICHARD	2,980,960	DEJONGE, BOUDEWIJN LODEWIJK MARIA	2,966,632	DONNELLY, PAUL STEPHEN	2,983,459
CROSS, SOPHIE	2,982,858	DEKA, UPAKUL	2,983,518	DOORSCHODT, BENEDICT MARIE	2,981,588
CROSSFORD INTERNATIONAL, LLC	2,983,369	DEKAMO, SHINGO	2,983,686	DORE, JOEL	2,983,194
CROSSLEY, KEVIN	2,980,960	DEL ROSARIO, DIEGO BACA	2,983,288	DORONY, CONNOR M.	2,983,777
CROUCH, JUSTIN BLAKE	2,982,949	DELBRUGGE, VINCE	2,983,589	DOSDAT, LAURENCE	2,981,567
CRVENKOVIC, NIKOLA	2,983,891	DELMAS, MARC	2,981,976	DOSHI, DHAVAL	2,983,470
CUI, LONGLAN	2,983,702	DELTOUR, ELODIE	2,983,373	DOUGLAS, HUGH	2,983,107
CUI, SHENG	2,980,960	DELUKE, LEVI	2,983,613	DOUGLASS, JACKIE	2,980,292
CUI, WEI	2,983,702	DEMAIO, PIETRO ROCCO	2,983,692	DOVE, WILLIAM FRANKLIN	2,967,867
CUI, ZEHAN	2,983,479	DEMEX, INC.	2,983,727	DOW GLOBAL TECHNOLOGIES LLC	2,982,510
CUJO LLC	2,983,429	DENG, SHIMIN	2,983,533	DOW GLOBAL TECHNOLOGIES LLC	2,983,702
CURRY, PETER	2,983,180	DENKER, JANA	2,983,485	DOWNES, MICHAEL	2,983,268
CURTIN UNIVERSITY	2,980,342	DENKER, JANA	2,983,499	DOWNIE, SIMON	2,982,819
CYPHERING INC.	2,984,023	DENKER, JANA	2,983,634	DOYLE, JEREMY A.	2,983,433
D'ALESSIO-DOUCET, JULIEN	2,983,944	DENKER, JANA	2,983,638	DOYON, JULIEN GEORGES PIERRE-OLIVIER	2,983,342
DAGHER, HABIB J.	2,983,616	DENKER, JANA	2,983,640	DRANEY, DANIEL R.	2,964,963
DAI NIPPON PRINTING CO., LTD.	2,983,398	DENKER, JANA	2,983,642	DRESSER, INC.	2,982,593
DAIICHI SANKYO COMPANY, LIMITED	2,983,788	DENKER, JANA	2,983,648	DRUG DELIVERY INTERNATIONAL LTD	2,967,738
DAJNKO, MARJAN	2,983,463	DENNIS, MARK S.	2,966,362	DRZYMALA, MARK E.	2,983,119
DALE, JASON	2,983,251	DENOLF, PETER	2,983,893	DSM IP ASSETS B.V.	2,983,416
DALEMANS, WILFRIED	2,983,950	DENTSPLY SIRONA INC.	2,981,062	DSM IP ASSETS N.V.	2,983,776
DALTON, JAMES T.	2,983,403	DEPUY IRELAND UNLIMITED COMPANY	2,983,781	DUARTE, IRIS	2,981,100
DALTON, JAMES T.	2,983,426	DERMEL, MARIUS	2,983,717	DUBRAY, CLARISSE	2,965,262
DAMNJANOVIC, ALEKSANDAR	2,979,071	DERMOSESSIAN, ALEX	2,983,618	DUBUQUE, SHAUN	2,980,160
DAMNJANOVIC, ALEKSANDAR	2,979,073	DERMOSESSIAN, GARO	2,983,618	DUCKWORTH, JASON	2,983,116
DANA-FARBER CANCER INSTITUTE, INC.	2,967,842	DERMOSESSIAN, RAPHAEL	2,983,618	DUDIK, DAVID C.	2,983,422
		DESAULNIERS, PIERRE	2,983,656	DUESENFELD GMBH	2,983,768
		DESPANDE, MANGESH	2,983,286	DUFOUR, BRUNO	2,981,648
		DESPAIN, STEVEN S.	2,983,396		
		DESSON, TIMOTHY ROBERT	2,980,824		
		DETERRE, MARTIN	2,983,355		

Index des demandes PCT entrant en phase nationale

DUFOUR, BRUNO	2,981,655	ELKINGTON, BEN	2,982,969	FENTON, AISH	2,980,326
DUKE, CHARLES B.	2,983,403	ELLIS, JAMES LAMOND	2,968,029	FERGUSON, ANDREW M.	2,983,253
DUKE, CHARLES B.	2,983,426	ELLIS, JAMES LAMOND	2,968,030	FERGUSON, ANDREW M.	2,983,807
DUPERRAY, LIONEL	2,981,374	ELLIS, JAMES LAMOND	2,968,032	FERNANDES, EARLENCE	
DUPPONG, GERALD J.	2,983,901	ELTOUKHY, HELMY	2,983,833	TEZROYD	2,983,279
DURAND-REVILLE, THOMAS		ELVESJO, JOHN	2,983,015	FEX, TOMAS	2,967,268
FRANCOIS	2,966,632	EMERITI PHARMA AB	2,967,268	FIELD, DANIEL W.	2,983,494
DURANTET, CAROLE	2,983,565	EMES, MICHAEL	2,984,016	FIELD, DANIEL W.	2,983,497
DURFEE, EILEEN LOUISE	2,983,705	EMTENAS, HANS FREDRIK	2,983,668	FINE, GREGG	2,984,003
DUTZAR, BENJAMIN H.	2,983,041	ENGENES BIOTECH GMBH	2,983,894	FINKEN, KNUD HELLEK	2,983,757
DWYER, MARK	2,983,616	ENTASIS THERAPEUTICS		FIORINI, PAOLO	2,983,482
DYNAMIC SOLAR SYSTEMS		LIMITED	2,966,632	FIREBOX OUTDOORS LLP	2,983,396
AG	2,977,858	ENYART, JEFF	2,983,243	FIRKSER, STEPHEN	2,983,049
DYNAMIC SOLAR SYSTEMS		ERNEWEIN, KYLE JOHN	2,983,797	FIRST QUALITY BABY	
AG	2,977,863	ERSHADI, MEHDI		PRODUCTS, LLC	2,983,433
E-FLUX, LLC	2,983,602	AREZOOMAND	2,983,461	FISHER CONTROLS	
EATON, BRADLEY W.	2,980,735	ESIGHT CORP.	2,983,461	INTERNATIONAL LLC	2,983,255
EAVENSON, JIMMY N., SR.	2,983,588	EUROIMMUN MEDIZINISCHE		FISHER CONTROLS	
EBACHER, MARIO	2,983,657	LABORDIAGNOSTIKA AG	2,983,467	INTERNATIONAL LLC	2,983,258
EBED HOLDINGS INC.	2,983,830	EVANS, DAVID MICHAEL	2,967,737	FISHER CONTROLS	
EBENS, ALLEN J., JR.	2,966,362	EVANS, DAVID MICHAEL	2,967,894	INTERNATIONAL LLC	2,983,491
EDER, YEHUDA	2,983,912	EVANS, KAREN ANDERSON	2,968,029	FISHER, MICHAEL	2,983,806
EDWARDS, HANNAH JOY	2,967,737	EVANS, KAREN ANDERSON	2,968,030	FITZPATRICK, IAN	2,983,622
EDWARDS, HANNAH JOY	2,967,894	EVANS, KAREN ANDERSON	2,968,032	FIVE PRIME THERAPEUTICS,	
EDWARDS, JEFFREY	2,983,609	EVANS, ROBERT	2,967,602	INC.	2,980,460
EDWARDS, STEPHEN	2,979,053	EVANS, RONALD M.	2,983,268	FLIGHT PATH IP LIMITED	2,983,251
EDWARDS, STEPHEN	2,979,054	EVENSEN, OYSTEIN	2,980,982	FLORIN-ROBERTSSON, EBBA	2,983,783
EFRAT, TOMER	2,982,582	EVONIK DEGUSSA GMBH	2,981,747	FLOWONIX MEDICAL	
EGASHIRA, KAZUHIRO	2,983,569	EVONIK DEGUSSA GMBH	2,983,701	INCORPORATED	2,980,176
EGGINK, LAURA L.	2,983,666	EVONIK ROHM GMBH	2,981,194	FLOWERVE MANAGEMENT	
EHRNSPERGER, BRUNO		EVONIK ROHM GMBH	2,981,221	COMPANY	2,983,772
JOHANNES	2,980,148	EXXONMOBIL RESEARCH		FLSMIDTH A/S	2,983,878
EIJSBOUTS-SPICKOVA,		AND ENGINEERING		FLUID HANDLING LLC	2,983,298
SONJA	2,983,518	COMPANY	2,966,887	FOLEY, STEPHEN	2,983,350
EIKANAS, BRENT	2,980,118	EXXONMOBIL RESEARCH		FOLEY, STEPHEN	2,983,353
EILERS, DANIEL J.	2,983,255	AND ENGINEERING		FONSECA, TIAGO	2,981,100
EITAN, ALECSANDER	2,979,050	COMPANY	2,967,047	FONTAINE ENGINEERING	
EKSTROM, PER	2,983,358	EZ-ENERGIES GMBH	2,983,238	UND MASCHINEN GMBH	2,983,904
EKVALL, CRAIG A.	2,983,002	F. HOFFMANN-LA ROCHE AG	2,983,351	FONTAINE, DOMINIQUE	2,983,904
EL ICHI, SARRA	2,981,570	F. HOFFMANN-LA ROCHE AG	2,983,408	FONTAINE, LOIC	2,984,076
ELAGIN, ANDREY		F. HOFFMANN-LA ROCHE AG	2,983,549	FONTAINE, MARC	2,983,354
ALEKSANDROVICH	2,983,432	F. HOFFMANN-LA ROCHE AG	2,983,782	FONTAINE, PASCAL	2,983,904
ELAHI, EHTSHAM	2,980,326	F. HOFFMANN-LA ROCHE AG	2,983,908	FORD, PAUL	2,983,198
ELBIT SYSTEMS LAND AND		FACCIOLI, GIOVANNI	2,981,701	FOREMAN, ODED	2,966,523
C4I LTD.	2,983,912	FACEBOOK, INC.	2,980,273	FORM ROLL TECH CO., LTD.	2,984,100
ELECTRONICS AND		FACEBOOK, INC.	2,980,281	FORNETIX LLC	2,979,053
TELECOMMUNICATIONS		FACEBOOK, INC.	2,980,719	FORNETIX LLC	2,979,054
RESEARCH INSTITUTE	2,977,623	FAGERLUND, ALLEN C.	2,983,255	FOROUGH, PEZHMAN	2,983,145
ELECTRONICS AND		FAHY, WILLIAM ANTHONY	2,981,631	FORTUNE MFG. CO., LTD.	2,983,564
TELECOMMUNICATIONS		FAIVRE, FABIEN	2,983,674	FORUM US, INC.	2,982,835
RESEARCH INSTITUTE	2,977,627	FALCK, PETER	2,983,939	FOSBEL, INC.	2,967,971
ELECTRONICS AND		FAMM, HANS JAKOB		FOUST, KEVIN	2,967,468
TELECOMMUNICATIONS		KRISTOFFER	2,983,652	FOX, RYAN MICHAEL	2,968,029
RESEARCH INSTITUTE	2,977,628	FAN, LILI	2,983,481	FOX, RYAN MICHAEL	2,968,030
ELECTRONICS AND		FAN, PEI	2,983,041	FOX, RYAN MICHAEL	2,968,032
TELECOMMUNICATIONS		FAN, XIAOLIN	2,982,683	FOX-RABINOVICH, GERMAN	2,983,720
RESEARCH INSTITUTE	2,977,629	FARIA, NUNO JORGE		FRANJIC, KRESIMIR	2,956,230
ELETR, SAM	2,983,771	RODRIGUES	2,983,651	FRANKEL, OLIVER	2,983,439
ELEVANCE RENEWABLE		FARRELL, DAVID J.	2,982,591	FRANKLIN, ALEXANDER	
SCIENCES, INC.	2,980,924	FASETTO, LLC	2,979,043	SALEM	2,980,273
ELI LILLY AND COMPANY	2,981,115	FAZ TECHNOLOGY LIMITED	2,983,690	FRANSSON, JONAS	2,983,783
ELIHY POWER CO., LTD.	2,984,096	FEDERHEN, STEFAN	2,983,338	FRANTZ, ERIC BENJAMIN	2,980,449
ELIOT, LISE	2,983,609	FELIX, FABIO	2,983,392		
ELITZIN, VASSIL	2,964,963	FENG, CHANG-DONG	2,979,723		

Index of PCT Applications Entering the National Phase

FRAUNHOFER- GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	2,983,813	GARRISON, MICHI E. GARSON, DAN GASS, JENNIFER L. GASSARA, FATMA GATES CORPORATION	2,983,072 2,983,100 2,983,551 2,983,624 2,983,031	GIUSTI, STEFANO GIYANANI, JAYA GLAXOSMITHKLINE BIOLOGICALS SA GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED	2,980,809 2,967,413 2,967,248 2,967,184
FRAUNHOFER- GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	2,980,973	GAUDIER KUPPEL GROUP SARL GAYLE, SOPHIA GAYLE, SOPHIA GAYLE, SOPHIA	2,982,216 2,966,334 2,966,356 2,966,359	GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED	 2,967,185
FRAYMAN, YURI	2,983,429	GE LIGHTING SOLUTIONS, LLC	2,983,422	GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED	2,967,185
FREASE, JENNINE	2,977,884	GEBBEKEN, MARTIN	2,982,414	GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED	2,967,195
FRED HUTCHINSON CANCER RESEARCH CENTER	2,965,347	GEENEN, CHARLES GEIGER, JURGEN	2,981,243 2,983,471	GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED	2,967,195
FREIJE, ZACHARY AARON	2,980,145	GEILLERSDORFER, INGO	2,981,099	GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED	2,968,029
FREIJE, ZACHARY AARON	2,980,146	GEISSLER, ANJA	2,983,485	GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED	2,968,030
FRIES4ALL B.V.	2,980,107	GEISSLER, ANJA	2,983,499	GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED	2,968,032
FROGNESS, HARLOW	2,983,766	GEISSLER, ANJA	2,983,634	GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED	2,968,032
FROST, GEORGE W.	2,982,919	GEISSLER, ANJA	2,983,638	GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED	2,968,032
FROST, GEORGE W.	2,982,921	GEISSLER, ANJA	2,983,640	GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED	2,968,032
FROST, GEORGE W.	2,982,939	GEISSLER, ANJA	2,983,642	GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED	2,968,032
FUJII, MAO	2,983,812	GEISSLER, ANJA	2,983,648	GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED	2,968,032
FUJII, YASUHIKO	2,983,721	GEISSLER, ANJA	2,983,648	GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED	2,968,032
FUJIMURA, KOUTARO	2,983,989	GEKKEIVA, MARGARITA	2,966,646	GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED	2,968,032
FUKATSU, DAISUKE	2,983,788	GELORMINI, ANN	2,983,995	GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED	2,968,032
FUKUDA, HIROSHI	2,983,691	GENEA IP HOLDINGS PTY LTD	2,983,332	GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED	2,968,032
FULGHUM, TIMOTHY MICHAEL	2,968,104	GENENTECH, INC. GENENTECH, INC. GENENTECH, INC. GENENTECH, INC.	2,966,362 2,966,523 2,967,368 2,984,003	GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED	2,967,047
FULLERINGER, BENJAMIN	2,983,187	GENERAL ELECTRIC COMPANY	2,977,788	GLEESON, JAMES WILLIAM	2,967,047
FUNKHOUSER, GARY P.	2,983,253	GENERAL ELECTRIC TECHNOLOGY GMBH	2,980,553	GLUECK, REINHARD	2,980,847
FURUYA, NOBUHIRO	2,983,577	GENERAL ELECTRIC TECHNOLOGY GMBH	2,983,370	GMEL, GERRIT EDUARD	2,983,333
FUSION MUSICTECH IP PTY LTD	2,983,603	GENETHON	2,983,364	GMEL, GERRIT EDUARD	2,983,336
FVG LIMITED	2,980,982	GENIESER, HANS-GOTTFRIED	2,983,358	GNASIENCO, RADU	2,983,947
GAAL, PETER	2,978,958	GENOSCIENCE PHARMA	2,965,262	GOBLE, E. MARLOWE	2,980,760
GAAL, PETER	2,980,344	GEO-POLAND SP. Z.O.O.	2,966,314	GODFREY, MATTHEW	2,980,722
GADELRAB, SERAG MONIER	2,983,797	GEORGE-SVAHN, ERLAND	2,983,015	GODON, THIERRY	2,983,673
GADELRAB, SERAG MONIER	2,983,800	GERAATS, MARCEL	2,982,414	GOLDA, GEORGE STEFAN	2,983,771
GAGNE, CARL	2,983,949	GESTNER, ROBERT E.	2,982,919	GOLDENBERG, DAVID M.	2,983,456
GAIA, MARIO	2,983,902	GEUMEZ, GILLES JEAN	2,983,348	GOLDENBERG, DAVID M.	2,983,597
GAILLARD, PIETER JAAP	2,983,358	GHARIB, HOSSAM MOHAMED	2,983,662	GOLDENBERG, DAVID M.	2,983,600
GAJDA, WILLIAM GEORGE, JR.	2,983,046	GHEGADMAL, TEJAS J.	2,983,793	GOLE, DILIP	2,981,601
GALAFFU, NICOLA	2,983,685	GHOTBI, NIKROUZ	2,983,109	GOLIAS, MATTHEW ERNEST	2,983,606
GALANIE, STEPHANIE	2,983,445	GHOTBI, NIKROUZ	2,983,124	GOLNARAGHI, FARID	2,983,860
GALAPAGOS NV	2,983,342	GIANNINO, VIVIANA	2,980,847	GOLTZ, H. ROBERT	2,982,510
GALE, JONATHAN B.	2,983,600	GIBLER, MARTIN J.	2,983,589	GOMAA, AHMED ABDELSHAFY MAHMOUD	2,983,874
GALECTO BIOTECH AB	2,983,198	GILES, CORLES ANDRE	2,984,091	GONZALEZ, DAVID	2,981,610
GALLAGHER, BOBBY JAMES	2,984,011	GILLEN, ROBERT J.	2,983,243	GONZALEZ, JOSE RAFAEL	2,983,811
GALLO, EMANUELA	2,983,923	GILLEN, ROBERT J.	2,983,247	GOODING, PHILLIP H.	2,980,118
GALVANI BIOELECTRONICS LIMITED	2,983,652	GILLIS, ERIC P.	2,980,147	GOODRICH, LAUREN	2,983,549
GAMET, OLIVIER	2,981,628	GIMAT, MATTHIEU ARNAUD	2,983,968	GOOR, JAN	2,983,565
GAMON, MICHAEL	2,983,124	GIMAT, MATTHIEU ARNAUD	2,983,970	GORE, ANURADHA V.	2,967,413
GANDHI, AMIT	2,983,794	GIMS S.R.L.	2,980,809	GOREE, JOHN	2,983,574
GANDHI, NAMITA A.	2,967,602	GIORDANO, JOSEPH D.	2,983,119	GORIS, DIRK	2,981,243
GAO, NAN	2,980,836	GIOVANNI, SARA LYN	2,980,145	GOTCH, JAMES E.	2,983,777
GARCIA, BRUNO	2,983,775	GIOVANNI, SARA LYN	2,980,146	GOTO, NAOKI	2,983,790
GARCIA-MARTINEZ, LEON	2,983,041	GIUBERCHIO, CARLO	2,983,647	GOTO, SHINYA	2,983,585
GARDINI, LUCA	2,980,253	GIUSTI, MARTINA	2,980,809	GOTO, TAKUYA	2,983,725
GARLOCK PIPELINE TECHNOLOGIES, INC.	2,983,579			GOTZEN, CHRISTIAN	2,982,414
GARMOR, INC.	2,980,168				
GAROIS, NICOLAS	2,981,655				

Index des demandes PCT entrant en phase nationale

GOVINDAN, SERENGULAM V.	2,983,600	GUPTA, MANISH KUMAR	2,981,601	HAMILTON, JENNIFER	
GOYENECHÉ, SERGIO F.	2,983,867	GUPTA, PIYUSH	2,983,574	DAVIDSON	2,967,602
GP CELLULOSE GMBH	2,976,332	GUR, PETRA	2,983,763	HAMMERSCHMIDT, JORG	2,983,773
GPCP IP HOLDINGS LLC	2,982,683	GURER, CAGAN	2,980,771	HAN, HQ	2,983,440
GRABAWSKA, ANNA	2,980,885	GUSEV, ALEKSANDR		HANGANU, DAN	
GRABHERR, REINGARD	2,983,894	OLEGOVICH	2,983,583	ALEXANDRU	2,983,371
GRACO MINNESOTA INC.	2,983,096	GUSTAFSSON, NILS DAVID	2,967,268	HANIF, RAZWAN	2,983,537
GRACO MINNESOTA INC.	2,983,310	GUTH, JOEL	2,983,929	HANISCH, CHRISTIAN	2,983,768
GRADLE, RICHARD J.	2,983,772	GUTH, PAUL W.	2,983,929	HANSEN, ANDREW H.	2,983,909
GRANBERG, KENNETH LARS	2,983,668	GYORI, MARTON	2,983,654	HANSEN, CAMERON C.	2,983,921
GRANDPAD, INC.	2,983,919	GYSIN, STEPHAN	2,983,927	HANSEN, RONALD S.	2,983,921
GRANGER, DAVID BRADLEY	2,983,036	H. LUNDBECK A/S	2,983,563	HANUSCHAK, RYAN D.	2,983,637
GRAPHIC PACKAGING		HA, HENGXU	2,983,370	HARA, TOMITARO	2,984,096
INTERNATIONAL, INC.	2,983,028	HAAVISTO, SANNA	2,983,484	HARBIGE, DAVID	2,983,684
GRATTON, STEPHANE	2,983,657	HABER, ELRAN	2,984,088	HARBOUN, MICHAEL	2,983,551
GRAVELLE, SCOTT	2,983,630	HABEYCH NARVAEZ, EDWIN		HARDY, MICHAEL	2,983,369
GRAVES, RICHARD C.	2,980,498	ALBERTO	2,983,685	HARITON, ILIA	2,982,063
GRAWE, JAN	2,983,622	HABIB, NABEEL S.	2,983,101	HARLAN, ANDREW	2,979,894
GRAY, JOHN T.	2,983,593	HABIB, ROBERT	2,980,975	HARLING, JOHN DAVID	2,983,414
GRAY, JULIAN STUART	2,982,688	HACKNEY, ROBERT STEVEN	2,983,872	HARPER, MICHAEL	2,983,123
GREEN, JORDAN	2,981,742	HAE YANG BOKLUBALJERN,		HARRIS, JOEL	2,983,337
GREEN, MARTIN C.	2,983,470	LP	2,983,815	HARRIS, MICHAEL J.	2,982,925
GREFENSTEIN, ACHIM	2,981,099	HAFFNER, RICHARD J.	2,982,919	HARRIS, MICKY	2,979,035
GREGOREVIC, PAUL	2,983,808	HAFFNER, RICHARD J.	2,982,921	HARRIS, WILLIAM S.	2,965,165
GRENNINGLOH, ROLAND	2,967,853	HAFFNER, RICHARD J.	2,982,939	HARVEY, JOHN	2,983,031
GRIDMESH ANCHOR PTY		HAGELL, DONALD	2,983,864	HARVEY, TIMOTHY N.	2,980,715
LTD	2,984,015	HAGEN, JAN	2,981,124	HASBRO, INC.	2,983,046
GRIFFIN, DAVID A.	2,967,047	HAGER, GREGORY DONALD	2,983,145	HASELRIEDER, WOLFGANG	2,983,768
GRIMM, RUSSELL A.	2,980,738	HAGIAGE, MARC	2,982,216	HASHIM, MIR	2,983,337
GRIS, JEAN-CHRISTOPHE		HAHN, NORBERT	2,983,367	HASHIMOTO, MOTONORI	2,983,898
RAYMOND	2,983,365	HAIUKEWYCH, GEORGE J.	2,983,664	HASL, PAUL	2,983,480
GRON, JAN	2,983,478	HAINZL, RICHARD	2,983,015	HASLETT, PATRICK	
GROOME, CAMERON L.	2,983,791	HAJEK, RONALD E.	2,983,028	ANTHONY JOHN	2,967,382
GROSCHÉ, PETER	2,983,471	HALDOR TOPSOE A/S	2,983,397	HASSARD, STUART	2,965,165
GROSSMAN, JAMES	2,983,494	HALFON, PHILIPPE	2,965,262	HASSARD, STUART	2,965,172
GROSSMAN, JAMES	2,983,497	HALLIBURTON ENERGY		HATCH LTD.	2,983,533
GROVE, DONALD W.	2,983,420	SERVICES, INC.	2,980,449	HATCH, STEVEN	2,983,100
GRUENENTHAL GMBH	2,983,499	HALLIBURTON ENERGY		HAUGEN, GREGORY M.	2,980,735
GRUNENTHAL GMBH	2,983,485	SERVICES, INC.	2,980,715	HAYES, CHRISTOPHER	2,980,885
GRUNENTHAL GMBH	2,983,634	HALLIBURTON ENERGY		HE, YALI	2,983,403
GRUNENTHAL GMBH	2,983,638	SERVICES, INC.	2,980,855	HEBERT, STEPHEN J.	2,972,620
GRUNENTHAL GMBH	2,983,640	HALLIBURTON ENERGY		HECHT, JUTTA	2,983,614
GRUNENTHAL GMBH	2,983,642	SERVICES, INC.	2,980,856	HECK, MARK	2,983,418
GRUNENTHAL GMBH	2,983,648	HALLIBURTON ENERGY		HEDE, HANS	2,983,478
GRUNTHALER, ANDREAS	2,982,953	SERVICES, INC.	2,980,998	HEGDE, PRITI	2,984,003
GTX, INC.	2,983,403	HALLIBURTON ENERGY		HEGEMAN, ADRIAN DANIEL	2,967,867
GTX, INC.	2,983,426	SERVICES, INC.	2,981,001	HEIDELBERGCEMENT AG	2,983,338
GUADAGNO, PHILIP	2,965,165	HALLIBURTON ENERGY		HEIN, MITCHELL	2,982,830
GUADAGNO, PHILIP	2,965,172	SERVICES, INC.	2,982,933	HEINICKEL, MARK	2,983,636
GUANGZHOU YIDAO		HALLIBURTON ENERGY		HEINZE, KAREN	2,983,454
HULIANWANG CO., LTD.	2,983,969	SERVICES, INC.	2,982,940	HELGESEN, SCOTT E.	2,983,882
GUARDANT HEALTH, INC.	2,983,833	HALLIBURTON ENERGY		HELLENBRAND, CHRISTOPH	2,983,375
GUBO, ROBERT	2,983,406	SERVICES, INC.	2,983,107	HELLENBRAND, CHRISTOPH	2,983,554
GUILLOT, BAPTISTE	2,983,552	HALLIBURTON ENERGY		HELMHOLTZ ZENTRUM	
GULOTTA, LAWRENCE	2,983,650	SERVICES, INC.	2,983,113	MUENCHEN DEUTSCHES	
GUNNERSON, KORY ADAM	2,983,340	HALLIBURTON ENERGY		FORSCHUNGSZENTRUM	
GUNTHER, THOMAS	2,981,747	SERVICES, INC.	2,983,115	FUER GESUNDHEIT UND	
GUNTNER, JOCHEN	2,983,773	HALLIBURTON ENERGY		UMWELT (GMBH)	2,980,852
GUO, QIONGYU	2,981,742	SERVICES, INC.	2,983,662	HENDRIKSE, JAN	2,983,805
GUPTA, ABHISHEK	2,981,440	HALLIBURTON, JAMES	2,983,245	HENDRIX, KATHERINE LEE	2,983,041
GUPTA, D.V.		HALONEN, ANTTI	2,982,499	HENNESSY, ALAN JOSEPH	2,980,824
SATYANARAYANA	2,980,988	HALTIWANGER, RALPH C.	2,967,828	HENRY, REBECCA MARIE	2,980,449
GUPTA, GAURAV	2,980,847	HAMAOKA, KOJI	2,983,788	HERLAND, ANNA	2,983,821
GUPTA, HIMANSHU	2,967,047			HERMAN, YARON	2,982,063

Index of PCT Applications Entering the National Phase

HERNANDEZ, MARYLENS	2,966,334	HORVITZ, ERIC	2,983,286	IDE TECHNOLOGIES LTD	2,982,582
HERT, JEROME	2,983,782	HORVITZ, ERIC JOEL	2,983,109	IDK INTERACTIVE INC.	2,983,339
HEUCK, GESINE	2,983,804	HORVITZ, ERIC JOEL	2,983,124	IFLAH, EHUD	2,982,063
HEWITT, AARON	2,980,239	HOSHINA, WATARU	2,978,223	IFP ENERGIES NOUVELLES	2,983,775
HEWLETT-PACKARD		HOSSBACH, MARKUS	2,980,975	IGM BIOSCIENCES, INC.	2,980,751
DEVELOPMENT		HOU, WEN-SUN	2,982,768	IKEDA, MASAYUKI	2,983,578
COMPANY, L.P.	2,983,810	HOUCK, JUSTIN EDWARD	2,981,072	ILIOPOULOS, DIMITRIOS	2,966,772
HEXCEL CORPORATION	2,982,993	HOULE, CLAUDE	2,983,809	IM, JUNHWAN	2,966,742
HEYWOOD, SAM PHILIP	2,983,537	HOVIONE SCIENTIA LIMITED	2,981,100	IM, JUNHWAN	2,966,759
HEYWOOD, SAM PHILIP	2,983,770	HOWARD, KELVAN	2,983,742	IMAMURA, SHINICHI	2,983,391
HFI INNOVATION INC.	2,983,881	HOWARD, PHILIP WILSON	2,981,920	IMAOKA, YOSHIHIRO	2,983,399
HIBI, ATSUHIRO	2,983,577	HOWELL, JULIAN DAVID	2,965,096	IMEC VZW	2,983,482
HIEBERT, JEFFREY	2,983,339	HSIAO, ELAINE	2,966,363	IMMUNOGEN, INC.	2,966,932
HILLEBRAND, TIMO	2,983,619	HSIEH, KUANGWEN	2,982,671	IMMUNOMEDICS, INC.	2,983,456
HILLEBRAND, TIMO	2,983,623	HU, XUN	2,980,342	IMMUNOMEDICS, INC.	2,983,597
HILLEBRAND, TIMO	2,983,626	HU, YING	2,967,432	IMMUNOMEDICS, INC.	2,983,600
HIRAI, KEIICHIRO	2,983,721	HUANG, YIQIANG	2,983,481	IMPLUS FOOTCARE, LLC	2,983,036
HIRAI, MAKOTO	2,983,725	HUAWEI TECHNOLOGIES		IMRAN, MIR	2,983,337
HIRAI, MAKOTO	2,983,790	CO., LTD.	2,983,359	IMS SOLUTIONS INC.	2,979,206
HIRATA, YASUHIRO	2,983,391	HUAWEI TECHNOLOGIES		INCUBE LABS, LLC	2,983,337
HISTOGEN, INC.	2,983,832	CO., LTD.	2,983,471	INGBER, DONALD E.	2,983,821
HITE, ITAMAR	2,982,582	HUAWEI TECHNOLOGIES		INGEBRAND, JOHN R.	2,983,096
HLEBA, YONEK	2,983,592	CO., LTD.	2,983,479	INGENICO GROUP	2,983,704
HO, TSUNG-CHUAN	2,983,962	HUAWEI TECHNOLOGIES		INGERLE, KURT	2,980,944
HO, TSUNG-CHUAN	2,983,977	CO., LTD.	2,983,746	INGHELBRECHT, SABINE	2,981,601
HOAGLAND, TIMOTHY		HUBBARD, BREEANA	2,983,732	INNOTHERAPY INC.	2,980,116
CHARLES	2,983,733	HUBBELL INCORPORATED	2,983,116	INOUE, HISAYOSHI	2,983,664
HOCHI, MOTONORI	2,983,812	HUBBELL INCORPORATED	2,983,733	INOUE, TAKAO	2,983,399
HOCHRADL, STEFAN	2,983,406	HUBER, HANS E.	2,980,975	INPRO/SEAL LLC	2,983,160
HODGSON, SIMON TEANBY	2,967,737	HUBER, KEVIN	2,980,498	INQPHARM GROUP SDN BHD	2,967,284
HODGSON, SIMON TEANBY	2,967,894	HUDSON, ALAN D.	2,982,767	INSERM (INSTITUT	
HOEHLE, NEIL F.	2,983,160	HUDSON, HAROLD G.	2,980,988	NATIONAL DE LA SANTE	
HOEL, TIMOTHY	2,983,462	HUGHES, RICHARD L.	2,983,109	ET DE LA RECHERCHE	
HOESEL, JERET L.	2,983,921	HUGHES, RICHARD L.	2,983,124	MEDICALE)	2,983,364
HOFFMAN, STEVEN	2,968,046	HUGUES, RENE	2,980,118	INSERM (INSTITUT	
HOFFMANN, PABLO	2,983,359	HULDEN, JARL	2,983,940	NATIONAL DE LA SANTE	
HOGLEN, DEAN K.	2,967,439	HULTEEN, JOHN C.	2,982,919	ET DE LA RECHERCHE	
HOLIDAY, KYLE	2,984,032	HULTEEN, JOHN C.	2,982,921	MEDICALE)	2,983,365
HOLLAND, HERBERT		HULTEEN, JOHN C.	2,982,939	INSTITUT NATIONAL DE LA	
WILLIAM	2,983,827	HUMPHREYS, DAVID PAUL	2,983,770	RECHERCHE	
HOLLAND, WILLIAM		HUNDEMER, HANK J.	2,979,718	AGRONOMIQUE	2,983,194
RINEHART JR.	2,983,305	HUNTSMAN ADVANCED		INTEGRA BIOSCIENCES AG	2,982,579
HOLLINGER, HERB A.	2,980,587	MATERIALS LICENSING		INTEGRATED CONCRETE	
HOLLISTER INCORPORATED	2,982,591	(SWITZERLAND) GMBH	2,983,679	FORMING LTD.	2,983,463
HOLMAN, NICHOLAS J.	2,983,600	HUNTSMAN		INTEGRITY PRODUCTS &	
HOLMES, LACHLAN NOEL	2,956,230	INTERNATIONAL LLC	2,983,348	SUPPLIES INC.	2,984,046
HOLMES, REBECCA	2,983,392	HUNZIKER, DANIEL	2,983,782	INTELLIGENT SYNTHETIC	
HOLOPAINEN, JYRKI	2,982,499	HUSENI, MAHRUKH	2,967,368	BIOLOGY CENTER	2,961,465
HOLZL, ROLAND	2,983,357	HUSSEIN, FATHI DAVID	2,981,724	INTERCEPT	
HOM, CLIFFORD	2,983,930	HUTCHINS, BENJAMIN M.	2,966,932	PHARMACEUTICALS,	
HOMMINGA, JOZEF		HUTCHINSON	2,981,648	INC.	2,983,609
SIEGFRIED JOHANNES	2,983,416	HUTCHINSON	2,981,655	INTERNATIONAL SWAPS	
HONDA, HIROYUKI	2,983,398	HUTCHINSON	2,983,661	AND DERIVATIVES	
HONG, HAIPING	2,981,481	HUTTLIN, EDWARD LEO	2,967,867	ASSOCIATION, INC.	2,983,439
HONG, ZHI	2,967,184	HWANG, DONG-JIN	2,983,403	IRON THERAPEUTICS	
HONG, ZHI	2,967,185	HWANG, DONG-JIN	2,983,426	HOLDINGS AG	2,965,096
HONG, ZHI	2,967,195	HWANG, HEE SOOK	2,966,422	IRVING, AMY ANN	2,967,867
HOOPER, KENNETH J.	2,983,666	HWANG, MICHAEL S.	2,980,292	ISHIDA, KAZUTOSHI	2,983,398
HOON, DOUGLAS M.	2,980,320	HWANG, SHYH-YUAN HENRY	2,968,063	ISHIHARA, TADAYOSHI	2,983,340
HOOSHMAND-RAD, ROYA	2,983,609	HYNNA, KAI MICHAEL	2,956,230	ISHII, SAYAKA	2,983,905
HOPKINSON, ALAN	2,983,805	HYPERFINE RESEARCH, INC.	2,983,448	ISHII, YOICHI	2,983,905
HORIGUCHI, TOMOYUKI	2,983,814	IANNI, BRUCE C.	2,980,587	ISHIKAWA, TAKAAKI	2,978,430
HORINOUCHE, AYANOBU	2,983,814	IANNI, JOSEPH	2,974,617	ISHIZUKA, YUYA	2,983,812
HORIZON ORPHAN LLC	2,966,879	ICHINOSE, TOSHIMITSU	2,983,989	ITAGAKI, ICHIRO	2,983,812

Index des demandes PCT entrant en phase nationale

ITO, TOMOYUKI	2,983,573	KAI, HIROYUKI	2,983,721	KIM, HEUNG-MOOK	2,977,623
ITOH, MASARU	2,983,576	KAIO, DAISUKE	2,983,896	KIM, HEUNG-MOOK	2,977,627
IVANCIC, MELANIE MAE	2,967,867	KAJIWARA, KENTARO	2,983,814	KIM, HEUNG-MOOK	2,977,628
IVIE, CAMERON	2,984,093	KALATA, GREGORY S.	2,983,777	KIM, HEUNG-MOOK	2,977,629
IWAMOTO, SHINYA	2,983,718	KALATI, RITESH	2,984,095	KIM, HYE JUNG	2,966,742
IWAMURA, NAOKI	2,983,391	KALAYDIYSKI, LUDMIL		KIM, HYUN-CHOL	2,983,917
IXCELA, INC.	2,983,918	BORISSOV	2,983,417	KIM, JEONG	2,967,368
JAAFAR, ADIL	2,981,634	KALDOR, MATTHEW J.	2,983,921	KIM, JEUNG HO	2,983,580
JAAFAR, ADIL	2,981,640	KALENIAN, PAUL	2,980,320	KIM, JONGMIN	2,966,759
JAAFAR, ADIL	2,981,681	KALOUMENOS, NIKOLAOS	2,980,824	KIM, JUNGSOOK	2,966,742
JACOBS, MARTIN J.	2,967,828	KALVISTA		KIM, MI SUN	2,966,742
JACQUOT, ERIC	2,983,713	PHARMACEUTICALS		KIM, MI SUN	2,966,759
JACQUOT, ERIC	2,983,717	LIMITED	2,967,737	KIM, SUN CHANG	2,961,465
JAESCHKE, GEORG	2,983,908	KALVISTA		KIMURA, KENICHI	2,983,788
JAIN, ANJALI	2,965,095	PHARMACEUTICALS		KINETIC PRESSURE	
JAMES GALT & CO. LIMITED	2,982,858	LIMITED	2,967,894	CONTROL LIMITED	2,984,011
JANOWSKI, BARTLOMIEJ	2,981,121	KAMEI, SHIN	2,983,691	KING ABDULAZIZ CITY FOR	
JANOWSKI, BARTLOMIEJ	2,981,128	KAMERKAR, ABHIJIT	2,966,637	SCIENCE &	
JANSSEN PHARMACEUTICA		KANAKARIS, NIKOLAOS	2,983,664	TECHNOLOGY	2,983,238
NV	2,981,601	KANE, TIMOTHY	2,983,369	KING, SIMON	2,983,551
JAPET MEDICAL DEVICES	2,983,043	KANEKO, TSUYOSHI	2,983,725	KINUGASA, KIYOTO	2,983,664
JARVIUS, JONAS	2,983,622	KANELLOPOULOS,		KINZLER, KENNETH W.	2,980,292
JASPART, SEVERINE	2,970,655	VASILEIOS	2,983,423	KIRCHHOFF AUTOMOTIVE	
JAY, GREGORY THERON	2,982,949	KARASEK, CHARLIE	2,983,041	DEUTSCHLAND GMBH	2,983,381
JAYABALAN, RANJIT	2,977,781	KARCZEWICZ, MARTA	2,979,075	KIRSHNER, JESSICA R.	2,967,820
JAYABALAN, RANJIT	2,977,783	KARIMOV, RASHAD	2,983,314	KISAKA, YOSHIKI	2,983,578
JENNE, STEPHAN	2,983,620	KARKI, SHYAM B.	2,967,645	KISHI, NORIMASA	2,983,680
JEONG, WOOHYEUN	2,983,903	KARKI, SHYAM B.	2,967,647	KISHI, NORIMASA	2,983,682
JERAN, PAUL	2,983,810	KARRA, SRINIVASA R.	2,967,694	KITAMURA MACHINERY CO.,	
JESSING, MIKKEL	2,983,563	KARRI, SURESH	2,967,952	LTD.	2,983,431
JIZODO, MAKOTO	2,983,691	KARUMANCHI, ANANTH	2,980,339	KITAMURA, AKIHIRO	2,983,431
JOHNSEN, ANDREW	2,977,781	KASAHARA, TAKASHI	2,983,812	KITAMURA, SHUJI	2,983,391
JOHNSEN, ANDREW	2,977,783	KASER, MATTHEW JAMES	2,965,237	KITZMAN, JEFFERY D.	2,983,273
JOHNSON MATTHEY DAVY		KASER, MATTHEW JAMES	2,965,256	KIYAMA, KENJI	2,983,989
TECHNOLOGIES LIMITED	2,982,688	KAUL, BAL	2,967,047	KIZAKI, NAOYA	2,983,585
JOHNSON MATTHEY PUBLIC		KAUP, THOMAS	2,983,442	KLAASSEN, PAUL	2,983,776
LIMITED COMPANY	2,982,692	KAUSHIK, ANIRUDDHA M.	2,982,671	KLAPPERT, WALTER R.	2,983,934
JOHNSON, KEITH A.	2,983,608	KAWAMURA, HIROMICHI	2,983,441	KLAUZ, JIRI	2,983,480
JOHNSTON, RAYMOND P.	2,980,735	KAWASHIMA, HIROSHI	2,983,729	KLEINEKE, RONALD	2,983,639
JOKINEN, EMMA	2,983,813	KEEDER, KAREN	2,983,632	KNACKMUSS, STEFAN	2,983,706
JONCHERAY, THOMAS		KEHLER, JAN	2,983,563	KNIGHT, MICKEL ERNST	2,981,072
JULIEN	2,983,348	KELLEY, RICHARD EUGENE,		KNOLL, INC.	2,983,123
JONES, AMANDA	2,983,426	JR.	2,983,433	KNOOK, ARIE JAN	
JONES, DANIEL	2,983,820	KELLOGG COMPANY	2,983,450	THEODORUS	2,983,581
JONES, FRANK	2,983,461	KELLOGG COMPANY	2,983,632	KNORR-BREMSE SYSTEME	
JONSSON, HENRIK	2,983,015	KELLY, STEPHEN R.	2,979,894	FUR NUTZFAHRZEUGE	
JOO, DANIEL M.	2,980,723	KELLY, TIMOTHY		GMBH	2,983,654
JORRITSMA, MINNE	2,983,375	CHRISTENSEN	2,983,934	KNOTZEL, JURGEN C. F.	2,980,836
JOSYULA, KANTH V.	2,981,182	KEMIRA OYJ	2,983,212	KNOWCK CO., LTD.	2,983,580
JOUHANNEAUD,		KENNEDY, GREGORY D.	2,967,867	KO, KWANG SEOK	2,966,742
ALEXANDRA	2,983,071	KERL, JOHN ROBERT	2,980,583	KO, KWANG SEOK	2,966,759
JOUHANNEAUD,		KESNER, SAMUEL	2,979,894	KOCH, PAUL	2,983,286
ALEXANDRA	2,983,548	KEYT, BRUCE A.	2,980,751	KOCH, TOBIAS	2,983,238
JPL GLOBAL, LLC	2,983,929	KHVOROVA, ANASTASIA	2,980,337	KODAMA, TOMO	2,983,439
JUENGST, DERRICK	2,967,951	KHVOROVA, ANASTASIA	2,980,339	KOEHLER, KLAUS	2,983,545
JUHL, KARSTEN	2,983,563	KIELIAN, TAMMY	2,967,468	KOEHLER, SARA	2,983,909
JUNTAN OY	2,982,499	KIENER, CHRISTOPH	2,981,113	KOELPER, CRYSTAL	2,983,615
KABUSHIKI KAISHA KOBE		KIENMAN, RICHARD E.	2,981,610	KOHN, NATHAN BENJAMIN	2,983,275
SEIKO SHO (KOBE STEEL,		KIGER, CHRISTOPHER ERIN	2,980,145	KOIFMAN, ALEXEI	2,982,063
LTD.)	2,983,720	KIGER, CHRISTOPHER ERIN	2,980,146	KOJIMA, TAKUTO	2,983,391
KABUSHIKI KAISHA NIHON		KIKUCHI, KIYOFUMI	2,983,691	KOLLMANN, JURGEN	2,982,384
MICRONICS	2,984,098	KIM, BYUNGHO	2,966,742	KOMATSU, TOMOMI	2,983,378
KAFFKA, CHRISTIAN	2,983,467	KIM, BYUNGHO	2,966,759	KOMRO, RONALD W.	2,981,072
KAGIHIRO, MASASHI	2,983,609	KIM, GUN-HO	2,980,936	KONDEX CORPORATION	2,983,608

Index of PCT Applications Entering the National Phase

KONDO, ATSUSHI	2,983,421	KWAG, DONGSUB	2,966,422	LEE, KENNETH	2,983,944
KONG, MINJUNG	2,966,742	KWON, SUN-HYOUNG	2,977,623	LEE, MOON SUE	2,980,116
KONG, MINJUNG	2,966,759	KWON, SUN-HYOUNG	2,977,627	LEE, SANG HWI	2,966,742
KONISH, STEVEN P.	2,983,413	KWON, SUN-HYOUNG	2,977,628	LEE, SANG HWI	2,966,759
KONNO, YUSUKE	2,983,577	KWON, SUN-HYOUNG	2,977,629	LEE, SOON JANG	2,961,465
KONTOMARIS, KONSTANTINOS	2,983,599	KYNDI, INC.	2,983,880	LEE, SOON OK	2,966,742
KOOB, CHRISTOPHER EDWARD	2,983,800	KYRATSOS, CHRISTOS	2,980,771	LEE, SOON OK	2,966,759
KOPPELMAN, RACHEL	2,983,103	KYYNARAINEN, NIINA	2,983,478	LEE, SUNGWON	2,979,075
KOPPENHAGEN, FRANCISCUS	2,981,440	LABRENZ, JAMES N.	2,983,882	LEE, WELLY SUGIARTO	2,983,027
KORNER, OLAF	2,982,953	LACHEEN, HOWARD STEVEN	2,966,402	LEE, YONG-KYU	2,966,422
KORTENBACH, JUERGEN A.	2,983,488	LACHEEN, HOWARD STEVEN	2,966,404	LEGER, BRYAN Q.	2,983,491
KORUPOLU, RADHIKA	2,983,337	LACROIX, CHRISTOPHER	2,982,579	LEHMANN, TODD CARLTON	2,983,733
KORYTKO, ANDREW	2,981,115	LACROIX, ODILE	2,983,365	LEI, ZHANG	2,983,258
KOVACS, MICHAEL FRANCIS	2,983,650	LACY, DARRYL DONALD	2,967,047	LEIDOS BIOMEDICAL RESEARCH, INC.	2,983,927
KOVAR, JOY	2,964,963	LAFARGE	2,983,361	LEIVERS, MARTIN R.	2,967,185
KOWANETZ, MARCIN	2,984,003	LAFARGUE, OLIVIER	2,983,383	LEIVERS, MARTIN R.	2,967,184
KOZAK, RADOSLAW	2,981,121	LAFRANCE, DANNY	2,964,957	LEIVERS, MARTIN R.	2,967,195
KOZAK, RADOSLAW	2,981,128	LAGA, BENJAMIN	2,983,893	LEMKEN GMBH & CO KG	2,982,414
KOZEL, THOMAS R.	2,983,732	LAGAE, LIESBET	2,983,482	LEMURELL, MALIN ANITA	2,983,668
KRABBHOF, KEVIN	2,983,439	LAGUERRE, AUDREY	2,983,968	LEONE, GIUSEPPE	2,983,449
KRAMPERT, MONIKA	2,980,975	LAI, WENYIH FRANK	2,967,047	LEROY, REMY	2,983,671
KRAUSE, KARL R.	2,983,599	LAJIMI, S. AMIR MOUSAVI	2,983,860	LES SOLUTIONS MEDICALES SOUNDBITE INC.	2,983,655
KRAUSE, TREVOR W.	2,983,901	LAKATA, MARK T.	2,983,882	LESSER, JOSEPH	2,983,401
KRAUSE, TREVOR W.	2,983,916	LAM THERAPEUTICS, INC.	2,966,334	LESTER, JOSEPH CRAIG	2,983,340
KRAVETS, OLEKSIY	2,983,335	LAM THERAPEUTICS, INC.	2,966,356	LEUNG, CHEUK-YUI	2,967,645
KREMSE, STEFFEN	2,983,539	LAM THERAPEUTICS, INC.	2,966,359	LEUNG, CHEUK-YUI	2,967,647
KRISHNAMOORTHY, SIVAKUMARA K.	2,981,194	LAMBERT, GEOFFREY JAMES	2,978,348	LEVEQUE, LAURENCE	2,982,216
KRISHNAMOORTHY, SIVAKUMARA K.	2,981,221	LAMBERT, LEANNE JOY	2,978,348	LEVIN, DORON	2,966,887
KRUMM, JOHN CHARLES	2,983,286	LANCASTER, RICHARD G.	2,983,609	LEVIN, LENA	2,983,568
KRUPP, BENJAMIN T.	2,983,589	LANDRETTE, SEAN	2,966,334	LEVIN, LENA	2,983,568
KRUSIN, MARC	2,983,123	LANDRETTE, SEAN	2,966,356	LEVIN, OFEK	2,983,568
KUAN, JOHNNY JONE WAI	2,983,800	LANDRETTE, SEAN	2,966,359	LEVIN, YEHONATAN	2,983,568
KUBEK, EDWARD W.	2,983,822	LANE, BENJAMIN R.	2,983,594	LEVY, ARIE	2,983,568
KUBO, MASAHIRO	2,983,388	LANE, JAMES D.	2,983,683	LEYN, ALEXANDER	2,983,806
KUBO, MASAHIRO	2,983,404	LANE, MIRA	2,983,288	LI, CHUN-ZHU	2,980,342
KUBOTA, SHOGO	2,983,398	LANGGARD, MORTEN	2,983,563	LI, JIANG	2,983,212
KUBURAS, ADISA	2,983,041	LAO, WU	2,984,093	LI, JUAN	2,983,702
KUCHNIO, PIOTR	2,956,230	LARSON LOWELL, VAN LUND	2,983,407	LI, LEIMING	2,980,919
KUHNLE, SARAH	2,983,544	LATHAM, JOHN	2,983,041	LI, LEIMING	2,980,981
KUIJPERS, MARIJN	2,980,673	LATREILLE, VALERIE	2,983,657	LI, LEIMING	2,980,988
KULSHRESHTHA, ALOK	2,966,758	LATTERI, ALESSANDRA	2,983,221	LI, MICHAEL QIANG	2,983,564
KUMAR, ANAND	2,981,742	LAU, ADAM SAN-HO	2,967,769	LI, QIANQIAN	2,983,702
KUMAR, NITIN	2,977,781	LAURIN, JEAN-ALAIN	2,983,948	LI, QUANCHANG	2,967,047
KUMAR, NITIN	2,977,783	LAWLER, CASIMIR E., JR.	2,983,230	LI, SHAOJUN	2,984,041
KUNSCH, MARTIN	2,983,773	LE BORGNE, YVES	2,983,466	LI, XINLU	2,983,475
KUNTZ, ANDREA	2,981,113	LE FRALLIEC, GERALDINE	2,983,674	LI, YANRAN	2,983,445
KURAMASHI, KOJI	2,983,989	LE GOUELLEC, AUDREY	2,981,570	LI, YUFENG	2,967,248
KURANO, YOSHIHIRO	2,983,693	LE PAGE, CHRISTOPHER JOHN	2,983,537	LI-COR, INC.	2,964,963
KURARAY CO., LTD.	2,983,785	LE ROUX, OLIVIER	2,983,775	LICHENSTEIN, HENRI	2,966,334
KURASAWA, OSAMU	2,983,391	LE STRAT, FREDERIC	2,983,674	LICHENSTEIN, HENRI	2,966,356
KURASHIGE, MAKIO	2,983,398	LE, KHOI	2,983,002	LICHENSTEIN, HENRI	2,966,359
KURIHARA, AKIRA	2,983,575	LEAVER, TIMOTHY	2,983,804	LICHKUS, ANDREW M.	2,981,062
KUROIWA, TOMOHIRO	2,983,577	LEBRUN, CLAUDIA	2,983,657	LIEBSCH, JURGEN	2,983,502
KUROSE, NORIYUKI	2,983,721	LECOINTE, NICOLAS	2,983,674	LIEBSCH, JURGEN	2,983,504
KURTH, CHRISTOPHER	2,983,362	LEDOUSSAL, BENOIT	2,983,674	LIEBSCH, JURGEN	2,983,509
KUSNEZOFF, MIHAILS	2,980,973	LEE, CRYSTAL	2,981,160	LIEBSCH, JURGEN	2,983,513
KUTZIK, MEIR	2,982,063	LEE, HAESHIN	2,980,116	LIEN, ISAAC	2,983,919
KUZUSHIMA, YUSUKE	2,984,096	LEE, JAE-YOUNG	2,977,623	LIEN, KHOA TUAN	2,983,587
KUZYK, YURI ALEXANDER	2,956,230	LEE, JAE-YOUNG	2,977,627	LIEN, KHOA TUAN	2,983,591
		LEE, JAE-YOUNG	2,977,628	LIEN, KHOA TUAN	2,983,607
		LEE, JAE-YOUNG	2,977,629	LIEN, SCOTT	2,983,919
		LEE, JAMES D.	2,983,831	LIKITLERSUANG, SUKHON	2,967,413
				LIM, HANPIN	2,983,394

Index des demandes PCT entrant en phase nationale

LIM, MELISSA N.	2,983,286	MACDONALD, ALISTAIR M.	2,981,610	MARTYNUS, CORNELIA	
LIM, YEE MAE	2,967,284	MACDONALD, BRIAN	2,983,288	BEATE	2,980,145
LIMEM, SKANDER	2,983,392	MACDONALD, LYNN	2,980,771	MARTYNUS, CORNELIA	
LIN, YIQING	2,967,645	MACDOUGALL, FIONA JANE	2,967,738	BEATE	2,980,146
LIN, YIQING	2,967,647	MACIAG, ANNA E.	2,983,927	MARTYNUS, CORNELIA	
LIN, YIZHEN	2,977,788	MACKAY MEMORIAL		BEATE	2,980,148
LIND, ANDERS	2,983,622	HOSPITAL	2,983,962	MARZOUK, AMR	2,983,860
LINDAL FRANCE SAS	2,983,457	MACKAY MEMORIAL		MASH, DEBORAH C.	2,983,727
LINDER, DANIEL	2,977,858	HOSPITAL	2,983,977	MASI, FRANCESCO	2,983,449
LINDER, DANIEL	2,977,863	MADJLESI, ABDOLREZA	2,983,082	MASON, BIANCA	2,983,041
LINDER, PATRICK	2,977,858	MAEDA, SHIGERU	2,983,572	MASTELLER, EMMA	2,980,460
LINDER, PATRICK	2,977,863	MAESEN, THEODORUS		MASTERCARD	
LINDNER, STEFAN	2,983,367	LUDOVICUS MICHAEL	2,966,402	INTERNATIONAL	
LINDEMANN, JELENA R.	2,980,852	MAESEN, THEODORUS		INCORPORATED	2,983,386
LINPAC PACKAGING		LUDOVICUS MICHAEL	2,966,404	MASTERCARD	
LIMITED	2,982,969	MAGIC LEAP, INC.	2,983,749	INTERNATIONAL	
LINTON, STEPHEN	2,984,015	MAGNA EXTERIORS		INCORPORATED	2,983,412
LIPORACE, FRANK A.	2,983,664	(BOHEMIA) S.R.O.	2,983,480	MASTERMAN, THOMAS	
LIPP, MICHAEL M.	2,966,637	MAGUIRE, SEAN	2,983,418	CRAIG	2,983,454
LISCHKE, DAGMAR	2,983,485	MAHNKE, JOSHUA	2,982,305	MATHEU, DAVID M.	2,983,470
LISCHKE, DAGMAR	2,983,499	MAINTTECH CO., LTD.	2,983,778	MATONO, MITSUHIRO	2,983,609
LIU, CHUNYU	2,981,773	MAIRHOFER, JURGEN	2,983,894	MATRIX GENETICS, LLC	2,983,636
LIU, DONGLIN	2,983,456	MAJEEED, MUHAMMED	2,967,952	MATSON, SAMANTHA A.	2,983,918
LIU, FUSHAN	2,984,016	MAJUMDAR, ARUN	2,983,880	MATSUMOTO, KEIGO	2,983,989
LIU, KUN	2,983,948	MAJUMDAR, SUSRUTA	2,983,314	MATTEI, PATRIZIO	2,983,782
LIU, LINGSHU	2,982,671	MAK, SIU WAI JACKY	2,956,230	MATTHEW, CHRISTOPER D.	2,979,035
LIU, ROBERT	2,983,439	MAKWANA, KETAN	2,983,473	MATTHEWS, WILLIAM A.	2,981,724
LIU, SHAN	2,983,881	MALEK, JAROSLAW	2,980,870	MATTICH, CHRISTIAN	2,983,773
LIU, XIAOZHONG	2,983,411	MALHERBE, GUILLAUME	2,981,374	MAURIN, MAX	2,981,570
LIU, YAO	2,983,479	MALLARD, NICHOLAS	2,965,096	MAY, PRESTON ANDREW	2,980,856
LIU-BUJALSKI, LESLEY	2,967,853	MALPASS, LUKE	2,979,043	MAYFIELD, MONTY D.	2,983,895
LIUKKONEN, JOHANNA	2,983,484	MANGAL, SAMEER	2,983,401	MAYO, MELISSA ANN	2,983,620
LKAB WASSARA AB	2,983,940	MANGIALARDI, DOMINIC	2,983,349	MAYR-MELNHOF KARTON	
LO SCRUDATO, MIRELLA	2,983,364	MANKE, KEVIN R.	2,983,660	AG	2,982,384
LOBEDANN, MARTIN	2,983,884	MANNENT, LEDA	2,967,602	MAZMANIAN, SARKIS K.	2,966,363
LOCKHEED MARTIN		MANOR, YONATAN	2,983,912	MAZOYER, SIMON	2,981,682
CORPORATION	2,983,049	MANSURI, PARVEZ	2,983,418	MCAULD, DAVID	2,983,603
LOCKLEAR, BRANDON C.	2,981,724	MANZ, FLORIAN	2,981,124	MCBRIDE, SARA	2,966,363
LOFTIN, CALEB S.	2,983,424	MAO, WEIWEI	2,983,481	MCCLURE, DOUGLAS J.	2,983,777
LOISY, CORINNE	2,983,775	MARCH, JOHN BERNARD	2,966,288	MCCORMICK, FRANK	2,983,927
LOMERSON, ROBERT B.	2,983,605	MARCHIONNI, MARCO	2,983,647	MCGUIGAN, THOMAS E.	2,983,049
LONGPRE, YANNICK	2,983,809	MARENGO, GIOVANNI		MCGUIRE, KENNETH	
LOOMIS, MARIA-CRISTINA	2,983,041	ANTONIO	2,983,065	STEPHEN	2,983,340
LORENZ, KLAUS	2,983,561	MARENGO, GIOVANNI		MCINNIS, MATTHEW	2,978,471
LOUBATON, BERTRAND	2,981,976	ANTONIO	2,983,070	MCINNIS, MATTHEW	2,980,168
LOWENBERG, TODD	2,983,412	MARIATHASAN, SANJEEV	2,984,003	MCKEE, ADRIENNE	2,980,942
LOWY, ISRAEL	2,967,820	MARIGO, VALERIA	2,983,358	MCVEY, ROBERT	2,983,615
LU, WEI-SHU	2,983,394	MARION, PHILIPPE	2,983,671	MEDERO, RICHARD	2,981,610
LUI, DOROTHY	2,976,573	MARISSIN, ROELOF	2,983,416	MEDICAL RESEARCH	
LUKAS, THOMAS	2,982,414	MARKHAM, ANTHONY		COUNCIL	2,983,651
LUKER, CHARLES E.	2,983,334	CHARLES WILLIAM	2,983,915	MEDIMMUNE LIMITED	2,981,920
LUO, MICHELLE	2,983,874	MARKPORT LIMITED	2,980,673	MEDOFF, MARSHALL	2,983,454
LUO, TAO	2,979,071	MARLEAU, BENOIT	2,983,949	MEDTRONIC XOMED, INC.	2,982,924
LUO, TAO	2,979,073	MARMON, TONYA K.	2,983,609	MEGEL, STEFAN	2,980,973
LUO, YUPING	2,983,212	MARRIOTT, MARK P.	2,983,771	MEHTA, VINAY	2,981,182
LUPIN ATLANTIS HOLDINGS		MARSCHNER, JENS-PETER	2,983,706	MEI, SHAWN C.P.	2,980,719
SA	2,981,440	MARSDEN, JEREMIAH	2,983,408	MEIXNER, LISA K.	2,980,852
LY, CHI VINH	2,983,957	MARTIN, DONALD	2,981,570	MELANDER, OLLE	2,983,542
LYAMICHEV, VICTOR	2,983,351	MARTIN, SANNA	2,983,900	MELTZ, LLC	2,980,320
LYAMICHEV, VICTOR	2,983,549	MARTIN, YVES	2,983,809	MEMORIAL SLOAN-	
LYNCH, THOMAS J.	2,983,212	MARTINEZ, JACOB	2,983,036	KETTERING CANCER	
LYNDERSAY, SEAN	2,982,957	MARTYNUS, CORNELIA		CENTER	2,983,314
MAAT PHARMA	2,983,194	BEATE	2,979,839	MENDENALL, PAUL	2,980,998
MACCONELL, LEIGH A.	2,983,609				

Index of PCT Applications Entering the National Phase

MENET, CHRISTEL JEANNE MARIE	2,983,342	MIRETSKY, ALEXANDER	2,983,797	MOREAU, REGINALD	2,983,817
MENG, QINGYI	2,983,475	MIRKA LTD.	2,983,478	MOREIRA, CARLOS JAVIER	2,983,797
MERCATI, VALENTINO	2,967,746	MIRONOV, MAKSIM ANATOLIEVICH	2,983,432	MORGAN, PATRICK GERARD	2,983,934
MERCATI, VALENTINO	2,967,749	MISEO, SABATO	2,966,887	MORGAN, RICKEY	2,980,998
MERCK PATENT GMBH	2,967,694	MITELMAN, YULY	2,983,119	MORI, HIDEAKI	2,983,778
MERCK PATENT GMBH	2,967,853	MITHRA PHARMACEUTICALS S.A.	2,970,655	MORISHITA, YOSHIHIRO	2,983,785
MERLIN, SIMONE	2,980,467	MITSUBISHI HEAVY INDUSTRIES, LTD.	2,983,378	MORPHO B.V.	2,983,167
MERLIN, SIMONE	2,980,674	MITSUBISHI HEAVY INDUSTRIES, LTD.	2,983,572	MORRIS, JAMES ALAN	2,980,824
MERLIN, SIMONE	2,980,675	MITSUBISHI HEAVY INDUSTRIES, LTD.	2,983,725	MORRIS, THOMAS	2,983,878
MERRILL, PETER	2,982,593	MITSUBISHI HEAVY INDUSTRIES, LTD.	2,983,790	MOSELEY, GUY	2,983,100
MERRON, MATTHEW J.	2,982,933	MITSUBISHI HITACHI POWER SYSTEMS, LTD.	2,983,989	MOSEY, ARIKHA	2,983,392
METALLO BELGIUM	2,981,243	MITSUBISHI TANABE PHARMA CORPORATION	2,983,898	MOTIVII LIMITED	2,982,519
METELITSA, LEONID S.	2,983,434	MIURA, HARUKO	2,980,852	MOTOMURA, ASAKO	2,983,792
METRAS, INC.	2,983,573	MIVA ENGINEERING LTD.	2,983,947	MOUAZEN, MOUHAMAD	2,981,628
MEYER, COREY D.	2,983,096	MIYAGI, TAKASHI	2,983,388	MOVAGHATI, SEPIDE	2,976,573
MEYER, RANDALL A.	2,981,742	MIYAGI, TAKASHI	2,983,404	MOY, J. ERIK	2,968,063
MEYERZON, DMITRIY	2,983,027	MIYAJIMA, KENSUKE	2,983,428	MOYER, DANIEL VAN ZANDT	2,983,771
MI INTEGRATION S.E.N.C.	2,983,809	MIYAMOTO, YASUFUMI	2,983,391	MTD PRODUCTS INC.	2,983,588
MIAH, AFJAL HUSSAIN	2,983,414	MIYAZAKI, TOMOYUKI	2,983,718	MTD PRODUCTS INC.	2,983,595
MICA S.R.L.	2,981,445	MIZUHO MEDY CO., LTD.	2,983,428	MUELLER, JOHN	2,966,632
MICHAEL, LACHLAN BRUCE	2,980,689	MIZUKAMI, DAISUKE	2,983,569	MULL, ERIC	2,980,147
MICHALAK, CHRISTOPHER S.	2,980,676	MIZUNO, JUN	2,983,812	MULLEN, ALEXANDER BALFOUR	2,967,738
MICHAUD, BENOIT	2,983,363	MOBA GROUP B.V.	2,983,581	MULLIGAN, JENNY	2,983,041
MICHIDA, MAKOTO	2,983,788	MODHA, SHANTILAL HIRJIBHAI	2,983,586	MULLIS, BRIAN	2,983,664
MICROSOFT TECHNOLOGY LICENSING, LLC	2,982,957	MODHA, SHANTILAL HIRJIBHAI	2,983,587	MUMPOWER, MARIANO	2,983,594
MICROSOFT TECHNOLOGY LICENSING, LLC	2,983,027	MODHA, SHANTILAL HIRJIBHAI	2,983,591	MUNIANDY, ANBINIYAR	2,983,098
MICROSOFT TECHNOLOGY LICENSING, LLC	2,983,098	MODHA, SHANTILAL HIRJIBHAI	2,983,607	MURAKAMI, MASAYUKI (DECEASED)	2,983,788
MICROSOFT TECHNOLOGY LICENSING, LLC	2,983,109	MODHA, SHANTILAL HIRJIBHAI	2,967,219	MURATA, ATSUSHI	2,983,812
MICROSOFT TECHNOLOGY LICENSING, LLC	2,983,124	MOGNA, GIOVANNI	2,983,384	MURPHY, ANDREW J.	2,980,771
MICROSOFT TECHNOLOGY LICENSING, LLC	2,983,279	MOHRHARD, KARL-HEINZ	2,983,685	MURPHY, DIANE K.	2,966,424
MICROSOFT TECHNOLOGY LICENSING, LLC	2,983,286	MOILLE, SOPHIE	2,983,799	MURTHY, GANAPA SANSHIDHARA	2,983,450
MICROSOFT TECHNOLOGY LICENSING, LLC	2,983,288	MOLE, TIM	2,983,779	MUSCHA, JASON	2,983,921
MILAZZO, GIOVANNI	2,981,445	MOLL, OLIVER	2,983,779	MUTABILIS	2,983,674
MILCZEK, ERIKA M.	2,983,620	MONIOTTE, ETIENNE	2,980,960	MYOMO, INC.	2,979,894
MILESTONE AV TECHNOLOGIES LLC	2,983,766	MONKAWA, AKIRA	2,983,722	NABIFAR, AFSANEH	2,981,113
MILLER, DUANE D.	2,983,403	MONPOEHO, SERGE	2,980,915	NADEAU, NICOLAS	2,983,809
MILLER, DUANE D.	2,983,426	MONTGOMERY, DEAN	2,982,855	NAGABHUSHANAM, KALYANAM	2,967,952
MILLER, JOSEPH HENRY	2,982,683	MONZON, SEBASTIAN	2,983,613	NAGANO, TAKASHI	2,983,428
MILLER, KEVIN CHRISTOPHER	2,980,583	MOOG INC.	2,983,407	NAIMY, HICHAM	2,967,382
MILLER, NATHAN ANDREW	2,980,583	MOOG UNNA GMBH	2,983,663	NAIR, BINURAJ KRISHNAN	2,981,601
MILLER, WILLIAM HENRY	2,968,029	MOON, HYUNG JO	2,966,742	NAKADA, KANAYO	2,983,785
MILLER, WILLIAM HENRY	2,968,030	MOON, HYUNG JO	2,966,759	NAKAMURA, KATSUMI	2,983,725
MILLER, WILLIAM HENRY	2,968,032	MOORE, BARRY D.	2,983,783	NAKANISHI, SHOICHI	2,983,722
MILLETTI, MARCO	2,983,882	MOORE, CHRISTOPHER A.	2,983,407	NAKASHIMA YUKINO	2,984,099
MILTON, DAVID	2,979,799	MOORE, GARY	2,983,781	NAKASHIMA, KOTARO	2,984,099
MIMOUN, EMMANUEL	2,981,682	MOORE, MELISSA	2,980,339	NAKASHOJI, HIROSHI	2,983,378
MINA THERAPEUTICS LIMITED	2,980,975	MOORE, STEPHEN	2,983,251	NAKATSUGAWA, KAORI	2,983,398
MINE, TOSHIHIKO	2,983,989	MORADI, LOGHMAN	2,983,350	NAKAZAWA, YOSHIAKI	2,983,388
MINERS, WILLIAM BEN	2,979,206	MORADI, LOGHMAN	2,983,353	NANDI, AJOY	2,983,286
MINK, SHELDON	2,980,915	MORALES, MERCEDES	2,983,337	NANO-TECH POLSKA SP. Z.O.O. SP. K.	2,980,870
MIRACLE, GREGORY SCOT	2,981,620	MORAM, JONATHAN PAUL	2,983,065	NANOMERICS LTD	2,966,592
MIRECA MEDICINES GMBH	2,983,358	MOREAU, ANDRE W.	2,983,817	NANOTHETA CO, LTD.	2,983,812
		MOREAU, DARRELL A.	2,983,817	NAPPA, MARIO JOSEPH	2,983,599

Index des demandes PCT entrant en phase nationale

NATIONAL UNIVERSITY CORPORATION CHIBA UNIVERSITY	2,983,898	NOMEN CALVET, JUAN EUSEBIO	2,983,371	ONISHI, SHINJI	2,983,569
NAUD, JULIETTE	2,983,545	NOMURA, YUKIHIRO	2,978,223	ONUMA, YASUHARU	2,983,578
NAUGHTON, GAIL K.	2,983,832	NONNI, ARTHUR J.	2,976,332	OPTIMEDICA CORPORATION	2,980,118
NAYAR, SABA	2,981,631	NOORI, NAVID	2,983,860	ORACZ, KRYSZYNA	2,980,870
NEC CORPORATION	2,983,569	NORDQUIST, JEFFREY S.	2,983,615	ORIAN, TAIYE PHILIPS	2,982,683
NEC PLATFORMS, LTD.	2,983,907	NORTH CAROLINA STATE UNIVERSITY	2,983,874	OSAKA UNIVERSITY	2,983,898
NEFF, UELI	2,983,631	NOVABONE PRODUCTS, LLC	2,983,486	OSAWA, JIRO	2,983,379
NEFZGER, HARTMUT	2,983,561	NOVARTIS AG	2,966,646	OSAWA, JIRO	2,983,385
NELLES, PAUL	2,983,544	NOVARTIS AG	2,966,758	OSAWA, JIRO	2,983,571
NELSON, SCOTT G.	2,980,981	NOVARTIS AG	2,967,619	OSG CORPORATION	2,983,379
NELSON, SCOTT G.	2,980,988	NOVO FUTURA IVS	2,983,757	OSG CORPORATION	2,983,385
NELSON, SCOTT GREGORY	2,980,919	NOVOZYMES A/S	2,980,836	OSG CORPORATION	2,983,571
NEMETH, HUBA	2,983,654	NOYMER, PETER	2,967,899	OSHIMA, HIROSHI	2,983,785
NESTEC S.A.	2,965,095	NTT ELECTRONICS CORPORATION	2,983,578	OSKARSSON, HANS	2,983,402
NESTEC S.A.	2,983,685	NURUNNABI, MD	2,966,422	OSRAM SYLVANIA INC.	2,977,781
NETFLIX, INC.	2,980,326	NXT SOLUTIONS AG	2,983,891	OSRAM SYLVANIA INC.	2,977,783
NEUROGAMI MEDICAL, INC.	2,972,620	NYFORS, KLAUS	2,983,423	OSUCH, CHRISTOPHER	2,983,806
NEUTRON THERAPEUTICS INC.	2,983,413	NYUU, KEISUKE	2,983,718	OTTAWA HOSPITAL	
NEWMAN, KATERINA V.	2,980,715	O'CONNELL, THOMAS	2,983,606	RESEARCH INSTITUTE	2,980,113
NG, DEAN	2,980,751	O'DONNELL, DAN	2,980,168	OTTE, JOHN F.	2,983,002
NGUYEN, THOAI	2,982,924	O'MAHONY, JOHN P.	2,982,591	OTTO BOCK HEALTHCARE PRODUCTS GMBH	2,983,641
NICKEL, ERIC	2,983,909	O'NEIL, BRUCE	2,983,771	OTTO BOCK HEALTHCARE PRODUCTS GMBH	2,983,646
NICKERSON, JAMES G.	2,983,791	O'REAR, DENNIS JOHN	2,983,112	OTTO BOCK HEALTHCARE PRODUCTS GMBH	2,983,649
NICOLAS, GREGORY	2,965,262	OBERT, EDOUARD	2,981,162	OU, KEVIN	2,983,804
NII, HIROAKI	2,983,720	OBSHESTVO S OGRANICHENNOJ OTVETSTVENNOSTYU "NPO BIOMIKROGELI"	2,983,432	OUTOTEC (FINLAND) OY	2,983,773
NINES, MEGHAN	2,967,047	OBSHESTVO S OGRANICHENNOJ OTVETSTVENNOSTYU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR"	2,983,583	O'HARA, FIONN	2,983,908
NIPPON GAS CO., LTD.	2,983,686	OBUNGU, VICTOR H	2,981,115	P M B	2,981,976
NIPPON STEEL & SUMITOMO METAL CORPORATION	2,981,634	OCEAN OPTICS, INC.	2,983,683	PAAVOLA, JAAKKO	2,982,499
NIPPON STEEL & SUMITOMO METAL CORPORATION	2,981,640	ODIOT, KARINE	2,981,396	PABLA, BHUPINDER SINGH	2,983,800
NIPPON STEEL & SUMITOMO METAL CORPORATION	2,981,681	OESER, JORG	2,983,763	PABON, JAHIR	2,980,722
NIPPON STEEL & SUMITOMO METAL CORPORATION	2,983,388	OGATA, YUKI	2,983,721	PACIFIC BIOSCIENCES OF CALIFORNIA, INC.	2,983,882
NIPPON STEEL & SUMITOMO METAL CORPORATION	2,983,404	OGAWA, MISAO	2,983,576	PADILLA, GERARDO	2,982,510
NIPPON STEEL & SUMITOMO METAL CORPORATION	2,983,576	OGAWA, TOMOYUKI	2,983,721	PADMANABAN, GURURAJAN	2,983,473
NIPPON STEEL & SUMITOMO METAL CORPORATION	2,983,577	OH, SUK SONG	2,980,116	PADMAREKHA, VENKKATEESH	
NIPPON TELEGRAPH AND TELEPHONE CORPORATION	2,983,578	OHIO STATE INNOVATION FOUNDATION	2,967,468	PARTHASARATHI	2,982,940
NIPPON TELEGRAPH AND TELEPHONE CORPORATION	2,983,691	OHMER, HERVE	2,983,895	PAESSENS, CHRISTIAN	2,982,414
NISHIMOTO, YUTAKA	2,978,223	OHTSUBO, SHINYA	2,983,812	PAGADALA, JAYAPRAKASH	2,983,403
NISSAN MOTOR CO., LTD.	2,983,399	OJALA, ETHAN WAYNE	2,983,041	PAKSENSE, INC.	2,983,230
NISSAN MOTOR CO., LTD.	2,983,441	OKADA, YOSHIKI	2,983,718	PAMPALONI, GUIDO	2,983,449
NISSAN MOTOR CO., LTD.	2,983,680	OKAI, RICARDO-NAOKI	2,983,631	PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.	2,983,903
NISSAN MOTOR CO., LTD.	2,983,682	OKAMOTO, TAKESHI	2,983,905	PANG, LIYUN	2,983,359
NISSAN MOTOR CO., LTD.	2,984,097	OKANO, FUMIYOSHI	2,983,575	PANNELL, RICHARD B.	2,981,724
NISTICA, INC.	2,978,430	OKINA, YUNA	2,983,792	PAPADOPOULOS, NICKOLAS	2,980,292
NOBEL BIOCARE SERVICES AG	2,983,438	OKINO, SUSUMU	2,983,378	PAQUET-DURAND, FRANCOIS	2,983,358
NOBEL BIOCARE SERVICES AG	2,983,442	OKOCHA, CYRIL EMEKA	2,981,370	PARADIS, ROBERT	2,983,454
NOE, JAMES CHRISTIAN	2,983,386	OKUNO, TAKUYA	2,983,792	PARADKAR-MITRAGOTRI, DEEPALI	2,966,424
NOEL, ANTOINE	2,983,043	OLIVEIRA, CHRYSTELLE	2,983,674	PARK, CHAN BAE	2,961,465
NOK CORPORATION	2,983,693	OLIVER, GUY	2,983,957	PARK, CHAN HEE	2,966,742
		OLMSTEAD, KAY K.	2,983,609	PARK, CHAN HEE	2,966,759
		ONCOPEPTIDES AB	2,983,559	PARK, HEON KYU	2,966,742
				PARK, SUN SEOK	2,983,815
				PARK, SUNG-IK	2,977,623
				PARK, SUNG-IK	2,977,627
				PARK, SUNG-IK	2,977,628
				PARK, SUNG-IK	2,977,629

Index of PCT Applications Entering the National Phase

PARK, WILLIAM H.	2,983,413	PLANCHER, JEAN-MARC	2,983,908	QUALCOMM INCORPORATED	2,979,073
PARKER, JOHN LOUIS	2,983,333	PLEIMAN, JENNIFER		QUALCOMM INCORPORATED	2,979,075
PARKER, JOHN LOUIS	2,983,336	KATHLEEN	2,967,867	QUALCOMM INCORPORATED	2,980,344
PARKER-HANNIFAN		PLEMICOR HOLDINGS		QUALCOMM INCORPORATED	2,980,467
CORPORATION	2,983,149	CANADA INC.	2,983,618	QUALCOMM INCORPORATED	2,980,674
PARSON, NICHOLAS C.	2,983,948	PLOWRIGHT, ALLEYN		QUALCOMM INCORPORATED	2,980,675
PASTERNAK, GAVRIL	2,983,314	THOMAS	2,983,668	QUALCOMM INCORPORATED	2,983,797
PATEL, JIGAR	2,983,351	PODAIMA, JASON EDWARD	2,983,797	QUALCOMM INCORPORATED	2,983,800
PATEL, JIGAR	2,983,549	PODGORSKI, MICHAEL	2,983,673	QUEST DIAGNOSTICS	
PATEL, NIHIR	2,983,643	PODLASKI, SLAWOMIR	2,980,870	INVESTMENTS	
PATEL, SONAL	2,983,652	PODSIADLO, PAUL	2,967,047	INCORPORATED	2,983,820
PATSILARAS, GEORGE	2,983,800	POLSON, ANDREW	2,966,362	QUINTANA, FRANCISCO J.	2,980,730
PATTEN, MICHAEL	2,982,957	POLYVENT PTY LTD	2,974,617	RABIDEAU, JENNA SUE	2,983,212
PATTERSON, PAUL H.		POMRINK, GREGORY J.	2,983,486	RACKHAM, MARK DAVID	2,983,414
(DECEASED)	2,966,363	PONNUSAMY, THAMARAI	2,983,403	RADIN, ALLEN	2,967,602
PAWLIK, ROLAND	2,983,641	PONNUSAMY, THAMARAI	2,983,426	RADIVOJEVIC, DUSAN	2,983,080
PAYNE, JOSEPH E.	2,968,060	POOLE, JOHN EDWARD	2,980,969	RAINA, PAVAN	2,983,645
PECO, THIMAQ TIM	2,983,940	POOLE, MICHAEL STEPHEN	2,983,448	RAJESHIRKE, MANALI	2,983,473
PEDERSEN, ANDERS	2,983,198	POOYANFAR, OLDOOZ	2,983,860	RAJI, ABDUL-RAHMAN O.	2,983,601
PEER, RICHARD DAVID	2,981,001	PORANEN, JANNE	2,983,484	RALSTON, TYLER S.	2,983,444
PEERS, ROBERT PETER	2,983,729	POWELL, JONATHAN JOSEPH	2,983,651	RAMASUBRAMONIAN,	
PELICAN HEALTHCARE		POWELL, RIICHARD	2,980,969	ADARSH KRISHNAN	2,979,075
LIMITED	2,980,239	POZNANSKY, MARK C.	2,983,762	RAMIREZ, ALEXANDER	
PELTIER, JEROME	2,983,457	PPG COATINGS EUROPE B.V.	2,983,644	DAVID	2,980,719
PENCEK, RICHARD	2,983,609	PPG INDUSTRIES OHIO, INC.	2,983,767	RAMKUMAR, MYIL	2,983,800
PENNORS, THOMAS	2,983,717	PRATER, CURTIS S.	2,983,430	RAMNATHKAR, SANDESH N.	2,983,410
PENTTINEN, MARKKU	2,982,499	PREBE, ARNAUD	2,981,648	RAMSEY, EUAN	2,983,804
PEQUENO, R. ERIC	2,981,724	PREBE, ARNAUD	2,981,655	RANDLE, J., SETH	2,980,160
PEREIRA, ALBERTINA	2,967,853	PRESIDENT AND FELLOWS		RANGANATHAN,	
PEREZ DELAUME, ALAIN	2,981,976	OF HARVARD COLLEGE	2,983,821	KRISHNAKUMAR	2,980,960
PEREZ, ALEJANDRO	2,983,488	PRINOTH LTD.	2,983,949	RANGINYA, TAGO	2,983,339
PERROT-SIMONETTA, MARIE-		PRINSEN, ERIC-JAN	2,983,423	RANNES, JULIE B.	2,980,836
THERESE	2,980,878	PRINTPACK ILLINOIS, INC.	2,981,072	RAPACH, ANDRE PAUL	2,983,340
PERRY, MACINTOSH E.	2,979,799	PROBE HOLDINGS, INC.	2,983,895	RAPALLINI, ROMANO	2,980,253
PESIN, ANTHONY	2,984,076	PROBIOTICAL S.P.A.	2,967,219	RASMUSSEN, HENRIK	
PESKENS, RONNIE	2,983,644	PRODUCTION ELEKTRATEK		TORSTHOLM	2,968,130
PETERSON, BRIAN	2,983,934	INC.	2,983,656	RASMUSSEN, LARS KYHN	2,983,563
PETIT, ROCK	2,982,830	PRONOVA BIOPHARMA		RATH, NIKOLAUS	2,983,344
PETTERSEN, DANIEL TOR	2,983,668	NORGE AS	2,983,377	RATH, TIMO	2,983,796
PEUMANS, PETER	2,983,482	PROVERA, VANDER	2,983,710	RATZ, ROLAND	2,983,892
PFANNER		PRUCHER, BRYAN	2,983,737	RAUCH, MARK S.	2,983,639
SCHUTZBEKLEIDUNG		PRUFTECHNIK DIETER		RAY, JAMES DONALD, II	2,981,072
GMBH	2,983,697	BUSCH AG	2,983,357	RAYCHECK, JEROMY	
PFM MEDICAL AG	2,983,612	PRUZANSKI, MARK	2,983,609	THOMAS	2,979,839
PHILLIPS, ALAN PAUL R.	2,983,919	PUBLICIDAD VIRTUAL	2,983,741	RAYCHECK, JEROMY	
PICARD, YANN	2,983,552	PULI-SISTEM S.R.L.	2,983,566	THOMAS	2,980,145
PICKETT, BRIAN	2,980,824	PURE FIBER LIMITED	2,983,939	RAYCHECK, JEROMY	
PICKHARDT, PERRY J.	2,967,867	PURE FISHING, INC.	2,984,093	THOMAS	2,980,146
PIECHOCKI, JOHN	2,980,942	PURNELL, SHAWN	2,983,615	RAYCHECK, JEROMY	
PIERCE, GRANT	2,983,460	PUVANENDRALINGAM,		THOMAS	2,980,148
PIERRE FABRE MEDICAMENT	2,983,071	GANGADARAN	2,977,863	RAYTHEON COMPANY	2,979,035
PIERRE FABRE MEDICAMENT	2,983,548	PYLON MANUFACTURING		REARICK, TODD	2,983,448
PILON, VINCENT	2,983,356	CORP.	2,983,729	REAVIS, ASHLEY	2,983,643
PINNEY, EMMETT	2,983,832	PYZIK, MICHAL	2,983,794	RECHE, FABIAN	2,981,570
PIONEER HI-BRED		Q-LINEA AB	2,983,622	RECKITT BENCKISER	
INTERNATIONAL, INC.	2,982,671	QALO LLC	2,984,032	(BRANDS) LIMITED	2,983,384
PIPE, KEVIN P.	2,980,936	QIU, HONGCHUN	2,965,237	RECKITT BENCKISER LLC	2,965,237
PIROZZI, GIANLUCA	2,967,602	QIU, HONGCHUN	2,965,256	RECKITT BENCKISER LLC	2,965,256
PIXIUM VISION SA	2,983,355	QIU, LIXIA	2,983,746	REDMER, JESSICA	2,983,634
PIXIUM VISION SA	2,983,360	QIU, YONGCHANG	2,967,382	REDMER, JESSICA	2,983,638
PLAMONDON, JEAN-		QU, MENG	2,980,722	REDMER, JESSICA	2,983,640
SEBASTIEN	2,983,354	QUALCOMM INCORPORATED	2,978,958	REDMER, JESSICA	2,983,648
PLAMONDON, JEAN-		QUALCOMM INCORPORATED	2,979,050	REEVES, ANGELA	2,981,160
SEBASTIEN	2,983,356	QUALCOMM INCORPORATED	2,979,071	REEVES, PATRICK	2,983,762

Index des demandes PCT entrant en phase nationale

REFRIDGERATED TRANSPORT TECHNOLOGIES LLC	2,983,418	ROBERTS, MATTHEW	2,980,320	SAFRAN AIRCRAFT ENGINES	2,983,970
REGENERON PHARMACEUTICALS, INC.	2,967,432	ROBERTSON, PATRICK	2,983,579	SAFRAN ELECTRICAL & POWER	2,983,363
REGENERON PHARMACEUTICALS, INC.	2,967,602	ROBINSON, KALIN	2,983,243	SAFRAN HELICOPTER ENGINES	2,983,187
REGENERON PHARMACEUTICALS, INC.	2,967,820	ROBISON, AGATHE	2,980,722	SAFRAN HELICOPTER ENGINES	2,983,383
REGENERON PHARMACEUTICALS, INC.	2,980,771	RODGERS, BUEL DANTESE	2,983,808	SAHA, DIPANJAN	2,983,473
REGERON PHARMACEUTICALS, INC.	2,980,915	RODNEY, PAUL F.	2,980,855	SAINI, GAGAN	2,983,115
REGO, JEFFREY R.	2,980,160	ROE, DONALD CARROLL	2,980,145	SAINT JEAN INDUSTRIES	2,981,374
REICH, TAL	2,982,063	ROE, DONALD CARROLL	2,980,146	SAINT-GOBAIN GLASS FRANCE	2,981,124
REICHELDERFER, MARK	2,967,867	ROE, DONALD CARROLL	2,980,148	SAINT-GOBAIN GLASS FRANCE	2,981,682
REIK, ANDREAS	2,984,013	ROEHRL, JONATHAN J.	2,983,916	SAINT-GOBAIN GLASS FRANCE	2,983,670
REIMANN, STEFAN	2,982,844	ROGERS, DANIEL J.	2,983,096	SAINT-GOBAIN ISOVER	2,981,162
REISKIND, ANDREW	2,983,412	ROGOZA, JAROSLAW	2,981,128	SAINT-GOBAIN ISOVER	2,983,565
RENSLO, ADAM R.	2,983,927	ROHM AND HAAS COMPANY	2,983,702	SAITO, BUNNAI	2,983,391
RENTSCH, ANDREAS	2,983,358	ROMAN, ZOLTAN	2,980,553	SAITO, TOMOKAZU	2,984,098
RESIAK, BERNARD	2,980,878	ROMANO, CARMELO	2,967,432	SAKASE, TAKAO	2,983,413
RESTREPO, DAVID	2,980,168	ROMANOV, VLADIMIR	2,983,805	SAKURA FINETEK U.S.A., INC.	2,983,930
RETAILMENOT, INC.	2,980,160	RONN, MAGNUS P.	2,964,957	SALEH, AMGAD	2,967,662
REUSCH, UWE	2,983,706	ROSEMOUNT ANALYTICAL INC.	2,979,723	SALEM, DAVID R.	2,981,481
REUTER, HARDY	2,983,892	ROSENCRANCE, SCOTT	2,983,212	SALIMI, HIWA	2,983,350
REY, DIEGO ARIEL	2,983,408	ROSS, DAVYEON D.	2,980,587	SALIMI, HIWA	2,983,353
REYNOLDS, DAVID C.	2,983,470	ROSS, SHERYL	2,983,747	SALK INSTITUTE FOR BIOLOGICAL STUDIES	2,983,268
REZAEI, SANAZ	2,956,230	ROSSIGNOL, MICHEL	2,983,704	SALLSTIG, PETER	2,966,646
RHODIA OPERATIONS RHYTHM DIAGNOSTIC SYSTEMS, INC.	2,983,671	ROTH, GREGORY BRANCHEK	2,980,590	SALMELA, JUHA	2,983,484
RICCI, ANTONIO	2,983,908	ROTHBERG, JONATHAN M.	2,966,334	SALOMON, PIERRE	2,981,162
RICCI, GIOVANNI	2,983,449	ROTHBERG, JONATHAN M.	2,966,356	SALUDA MEDICAL PTY LTD	2,983,333
RICHARD, JEAN-CHRISTOPHE	2,983,713	ROTHBERG, JONATHAN M.	2,966,359	SALUDA MEDICAL PTY LTD	2,983,336
RICHARD, JEAN-CHRISTOPHE	2,983,717	ROTHBERG, JONATHAN M.	2,983,448	SALVATIERRA, RODRIGO V.	2,983,601
RICHARD, SEBASTIEN	2,983,674	ROUCHON, VIRGILE	2,983,775	SALVO, GIOVANNI	2,983,621
RICHMOND, JOSHUA	2,969,554	ROUTE 92 MEDICAL, INC.	2,983,072	SAMI LABS LIMITED	2,967,952
RICHMOND, NOLAN	2,983,073	ROUX, MARIO	2,983,948	SAMUEL, GEOFFREY ANDREW	2,983,662
RICHTER, THOMAS	2,981,194	ROVI GUIDES, INC.	2,983,934	SANCHEZ, NEVADA J.	2,983,444
RICHTER, THOMAS	2,981,221	ROWSON, JAMES THOMAS PHILIP	2,982,969	SANDEROVICH, AMICHAJ	2,979,050
RIDDELL, STANLEY R.	2,965,347	ROZAMUS, LEONARD W.	2,965,169	SANDERS, PAUL	2,968,104
RIEL, LOUIS-PHILPE	2,983,655	RPL HOLDINGS LIMITED	2,980,969	SANGAMO THERAPEUTICS, INC.	2,984,013
RIGBY, JONATHAN	2,967,899	RUAN, YIJUN	2,980,769	SANKARAN, NATARAJAN	2,967,952
RIGOBERT, CAROLINE	2,983,384	RUAN, YUAN	2,983,479	SANO, OSAMU	2,983,391
RIGOLLOT, MARCEAU	2,983,713	RUBIN, VANESSA LISBETH	2,983,041	SANOBI BIOTECHNOLOGY	2,967,602
RIGOLLOT, MARCEAU	2,983,717	RUDD, STACEY ERIN	2,983,459	SARDEHELI, YOMTOV	2,983,676
RILEY, THOMAS M.	2,983,767	RUDNICKI, MICHAEL A.	2,980,113	SARRAFAN, ATABAK	2,983,860
RILEY, WILLIAM W.	2,983,791	RUDOLPH, MARKUS	2,983,782	SAUDI ARABIAN OIL COMPANY	2,983,101
RILLARD, JEAN	2,983,775	RUEHER, DANIEL	2,983,908	SAUER, ANDREW JAMES	2,979,839
RINGGENBERG, JUSTIN	2,983,921	RUFFO, MATTHEW J.	2,983,298	SAUER, ANDREW JAMES	2,980,145
RIOUX, PATRICE	2,966,879	RUMPF, FREDERICK H.	2,983,470	SAUER, ANDREW JAMES	2,980,146
RITTER, DAVID ROBERT	2,983,915	RUSANOVSKYY, DMYTRO	2,979,075	SAVONNET, MARIE	2,981,162
RITTMAYER, PETER	2,983,362	RUSSELL, CLAIRE JANET	2,980,824	SAYAVICH, WILLIAM E.	2,983,149
RIVA, ORIANA	2,983,279	RUSSELL, MARK N.	2,983,334	SCALLEY-KIM, MICHELLE	2,983,041
RIZK, SAID	2,983,392	RUSSELL, SALLY ELIZABETH	2,980,824	SCEKIC, VLADIMIR	2,983,947
ROBAK, BARBARA	2,981,121	RUSSO, ANDREW F.	2,983,041	SCHADT, LUTZ	2,980,973
ROBAK, BARBARA	2,981,128	RUTLEDGE, MARK	2,984,083	SCHAEDLER, AXEL	2,983,588
ROBERTS, JAMES	2,983,636	RUZICA, PAUL J.	2,983,298	SCHAEDLER, AXEL	2,983,595
		RUZICKA, PAVEL	2,983,123	SCHAEPLER, KATIE	2,964,963
		SABAT, PAU MATO	2,982,894	SCHAFFER, JOACHIM	2,983,612
		SABOUNJIAN, LUANN A.	2,981,791	SCHAMBYE, HANS	2,983,198
		SADABA ZUBIRI, IRANTZU	2,983,397		
		SAELIM, TANTIMA	2,983,586		
		SAELIM, TANTIMA	2,983,587		
		SAELIM, TANTIMA	2,983,591		
		SAELIM, TANTIMA	2,983,607		
		SAFFRE, FREDERIC	2,983,552		
		SAFRAN	2,983,673		
		SAFRAN AIRCRAFT ENGINES	2,983,673		
		SAFRAN AIRCRAFT ENGINES	2,983,968		

Index of PCT Applications Entering the National Phase

SCHATZLEIN, ANDREAS	2,966,592	SELF-SUSPENDING		SISCO, DAVID	2,983,243
SHEEL, CHRISTINA H.	2,980,852	PROPPANT LLC	2,981,182	SISK, MICHAEL A.	2,983,599
SCHERER, STEFAN	2,983,362	SELL, GARRETT	2,980,942	SITTER, BRETT J.	2,980,735
SCHIAVONI, MICHELE	2,981,682	SELLE, PAUL	2,982,830	SIXTO, ROBERT	2,983,488
SCHIFF-DEB, CELINE	2,980,942	SEMB, HENRIK	2,983,764	SKAGERLIND, JAN PETER	2,980,836
SCHILM, JOCHEN	2,980,973	SEMENZA, GREGG L.	2,981,742	SKC CO., LTD.	2,983,917
SCHLEIERMACHER, STEPHAN	2,983,561	SERRE, GUILLAUME	2,982,216	SKOGO, MARTEN	2,983,015
SCHLUMBERGER CANADA LIMITED	2,980,722	SEYMOUR, GRAHAM	2,980,885	SKORA, ANDREW	2,980,292
SCHLUMBERGER CANADA LIMITED	2,980,731	SEYR, MARTIN	2,983,641	SKYROBOT INC.	2,983,896
SCHMID, MARTIN	2,983,614	SHAH, AMIT D.	2,983,930	SLJIVIC, NENAD	2,983,891
SCHMID, MATTHEW LOGAN	2,980,281	SHAH, CHINTAN	2,983,160	SLONE, CHRISTOPHER M.	2,976,332
SCHMIDT, ERNST L.	2,982,919	SHAH, KHALID	2,967,951	SMART WAVE TECHNOLOGIES CORP.	2,983,872
SCHMIDT, ERNST L.	2,982,921	SHAPEWAYS, INC.	2,982,767	SMICK, THEODORE H.	2,983,413
SCHMIDT, ERNST L.	2,982,939	SHAPIRO, DAVID	2,983,609	SMITH, ALEXANDER D.	2,983,494
SCHMIDT, ULI	2,983,332	SHARMA, NEIL	2,981,160	SMITH, ALEXANDER D.	2,983,497
SCHMIDT, WERNER	2,966,646	SHARMA, PRADEEP	2,965,169	SMITH, ALISTAIR	2,983,439
SCHMITZ, JOZEF PETRUS JOHANNES	2,983,776	SHARON, EYAL MICHAEL	2,980,281	SMITH, BRYAN JOHN	2,983,770
SCHMITZ, PETRA	2,983,782	SHARP, JEFFREY A.	2,983,878	SMITH, DAVID	2,967,738
SCHNEIDER, DOMINIQUE	2,981,570	SHAW, DEREK R.	2,983,096	SMITH, ERIC	2,967,820
SCHOENENBERGER, CATHERINE	2,983,679	SHEIKH, FAIZAN	2,983,944	SMITH, IAN EDWARD DAVID	2,983,414
SCHOENITZ, MARTIN	2,983,768	SHELL INTERNATIONAL RESEARCH		SMITH, JEFFREY T.L.	2,983,041
SCHOFER, SVEN	2,983,631	MAATSCHAPPIJ B.V.	2,983,556	SMITH, MATTHEW	2,980,553
SCHUH, MATHEW	2,983,766	SHELL INTERNATIONALE RESEARCH		SMITH, STEPHEN	2,980,936
SCHULTZ, CHARLES	2,983,909	MAATSCHAPPIJ B.V.	2,966,629	SMITHS DETECTION - WATFORD LIMITED	2,964,304
SCHULTZ, ROGER L.	2,983,253	SHEPS, TAL	2,982,063	SMITHS DETECTION MONTREAL INC.	2,983,805
SCHULTZ, ROGER L.	2,983,660	SHERRILL, AMY WHITEMAN	2,981,072	SMITHS MEDICAL ASD, INC.	2,983,401
SCHULTZ, ROGER L.	2,983,807	SHI, GUANGDA	2,981,325	SMOLKE, CHRISTINA D.	2,983,419
SCHULZ, ANGELIKA	2,983,367	SHI, YUN	2,980,960	SMOLKE, CHRISTINA D.	2,983,445
SCHUMACHER, KARL-HEINZ	2,981,113	SHIFFERT, NICHOLAS J.	2,980,160	SMOLKE, CHRISTINA D.	2,978,430
SCHUMACHER, MARK S.	2,979,723	SHIGA, SHINGO	2,983,569	SODASTREAM INDUSTRIES LTD.	2,983,958
SCHUMACHER, NICOLAS	2,983,478	SHIIBASHI, TADASHI	2,983,573	SODERSTROM, HENRIK	2,983,622
SCHUTTLER, DAVID L.	2,983,309	SHIMAZOE, TOSHIHIRO	2,983,693	SOFFIATTI, RENZO	2,981,701
SCHWAN, PETER	2,983,884	SHIMOGORI, MIKI	2,983,989	SOLE ROJALS, JOEL	2,979,075
SCHWARZ, MICHAEL	2,983,763	SHIMOYAMA, SATORU	2,983,814	SOLED, STUART LEON	2,966,887
SCHWIENTEK, PATRICK	2,980,723	SHIN, MIKYUNG	2,980,116	SOLVAY SA	2,983,473
SCHWINTNER, CAROLE	2,983,194	SHINBUTSU, TOSHINAKA	2,984,100	SOMASUNDARAM, MANOKANTHAN	2,983,797
SCIACCA, CATHI	2,983,609	SHIONOGI & CO., LTD.	2,983,721	SOMMAZZI, ANNA	2,983,449
SCIENTIFIC GAMES HOLDINGS LIMITED	2,983,657	SHIRE HUMAN GENETIC THERAPIES, INC.	2,967,382	SONABEND, ROBERTO	2,983,741
SCOLA, PAUL MICHAEL	2,980,147	SHMULEWITZ, ASCHER	2,984,088	SONDERMANN, UDO	2,983,701
SEAL AND PACK CO., LTD	2,982,918	SHOJI, SHUICHI	2,983,812	SONNTAG, PHILIPPE	2,981,648
SEATRIEVER INTERNATIONAL HOLDINGS LIMITED	2,983,245	SHOTTRACKER, INC.	2,980,587	SONNTAG, PHILIPPE	2,981,655
SEEFELD, MARK ANDREW	2,968,029	SHOUJI, MITSUHIRO	2,983,441	SONY CORPORATION	2,980,689
SEEFELD, MARK ANDREW	2,968,030	SHULEPOV, ILYA DMITRIEVICH	2,983,432	SONY CORPORATION	2,980,694
SEEFELD, MARK ANDREW	2,968,032	SI GROUP, INC.	2,964,964	SOROKOPUD, BORIS	2,983,912
SEIFERT, DIRK	2,983,641	SIAL, AISHA	2,976,573	SOURDILLE, PHILIPPE	2,980,218
SEIFERT, DIRK	2,983,646	SIDEKICK USA, LLC	2,983,596	SOUTH DAKOTA BOARD OF REGENTS	2,981,481
SEIFERT, DIRK	2,983,649	SIEH, JOHN K.	2,981,610	SOWERS, LEVI P.	2,983,041
SEIPEL, CHRISTOPH	2,981,194	SIEJKO, PAWEL	2,980,870	SPEARS, KARL	2,983,921
SEIPEL, CHRISTOPH	2,981,221	SIEMENS		SPEECE, DAVID G., JR.	2,983,702
SEITZ, AARON DUANE	2,979,839	AKTIENGESELLSCHAFT	2,982,953	SPENCE, GRAHAM	2,983,957
SEITZ, BORIS	2,983,384	SILVA ZOLEZZI, IRMA	2,983,685	SPENDER, JONATHAN	2,983,443
SEKIDO, YUKI	2,983,812	SILVESTRINI, LAURENT	2,983,670	SPHINGOTEC GMBH	2,983,542
SEKIYA, HIROSHI	2,983,778	SIMAKOV, DMITRIY ALEKSANDROVICH	2,983,583	SPINNOVA OY	2,983,484
SELA, GAL	2,976,573	SIMON FRASER UNIVERSITY	2,983,860	SPIZIRI, ANDREW	2,983,288
SELENIUS, PASI	2,983,484	SIMON, CHRISTOPHE	2,983,674	SPOHN, MICHAEL	2,983,589
		SINGER, KYLE D.	2,980,587	SPOORMAKER, TOM (DECEASED)	2,983,599
		SINGH, PRABHDEEP	2,983,109	SPRINGER, STACI	2,980,942
		SINGH, PRABHDEEP	2,983,124		
		SINGH, SHARAT	2,965,095		

Index des demandes PCT entrant en phase nationale

SRI GOPALA KRISHNA		SUN, LI-QIANG	2,980,147	TAN, MIN PAU	2,967,284
MURTHI, SANKARA		SUN, LIPING L.	2,966,362	TAN, RUNYU	2,982,510
SUBRAMANIAN	2,983,370	SUNDELL, MATS	2,983,478	TANAKA, RYUICHIRO	2,983,989
SRIMOHANARAJAH,		SURTI, TANVI	2,982,957	TANAKA, SATORU	2,983,721
KIRUSHA	2,976,573	SURUSHE, ABHISHEK		TANAKA, YASU HARU	2,983,576
ST-ONGE, GUILLAUME	2,983,656	PRAKASH	2,979,839	TANAKA, YUTA	2,983,391
ST. JUDE CHILDREN'S		SURUSHE, ABHISHEK		TANGUY, LAURENT	2,981,976
RESEARCH HOSPITAL,		PRAKASH	2,980,145	TANIZAWA, JUNKO	2,983,421
INC.	2,983,593	SURUSHE, ABHISHEK		TANNER, T. SCOTT	2,983,579
STADLBAUER, WOLFRAM	2,983,900	PRAKASH	2,980,146	TANOUE, HIROYUKI	2,983,576
STAFFORD, JEFFREY ALAN	2,983,446	SURUSHE, ABHISHEK		TAOKA, IKUKO	2,983,609
STANLEY, SCOTT KENDYL	2,983,340	PRAKASH	2,980,148	TASAKI, HIROAKI	2,983,400
STANSFIELD, RYAN	2,983,446	SUSAVION BIOSCIENCES,		TAUB, ARYEH BENJAMIN	2,956,230
STAPFNER, JOHANN	2,982,953	INC.	2,983,666	TAYLOR, BENJAMIN PARRY	2,983,046
STARKS, THOMAS RAY, II.	2,980,988	SUSSMAN, MICHAEL		TAYLOR, COLLEEN S.	2,980,723
STEADYMED LTD	2,967,899	RICHARD	2,967,867	TAYLOR, R. JAMES	2,983,804
STEAK'N SHAKE		SUZUKI, HIDEO	2,983,378	TECRES S.P.A.	2,981,701
ENTERPRISES, INC.	2,979,799	SUZUKI, TAKESHI	2,983,907	TEELE, ROBERT WILLIAM	2,982,593
STEELE, NICHOLAS	2,983,439	SUZUKI, TOSHIYA	2,983,388	TEGELS, ZACHARY J.	2,983,002
STEGELMANN, OLIVER	2,983,031	SUZUKI, TOSHIYA	2,983,576	TEMTEM, MARCIO	2,981,100
STEINEGER, HILDE	2,983,377	SWAGELOK COMPANY	2,983,777	TENDYNE HOLDINGS, INC.	2,983,002
STEINER, MATTHEW	2,980,273	SWANSON, BRIAN N.	2,967,602	TEPHA, INC.	2,983,392
STERRITT, CARL ANDREW	2,965,096	SWEDISH ORPHAN		TERCEL OILFIELD PRODUCTS	
STEVENS, HOWARD		BIOVITRUM AB (PUBL)	2,983,783	USA LLC	2,982,925
NORMAN ERNEST	2,967,738	SWEENEY, SEAN DAVID	2,983,800	TEREX MHPS GMBH	2,983,779
STEWART, ERICA	2,983,041	SWIETLOW, ALEKSANDER	2,980,960	TERRAVIA HOLDINGS, INC.	2,980,942
STEWART, KEVIN J.	2,977,884	SYMBOL TECHNOLOGIES,		TETLOW, IAN	2,984,016
STIRES, EMILY	2,983,392	LLC	2,983,119	TETRAPHASE	
STOCKREITER, WOLFGANG	2,983,406	SYN-NAT PRODUCTS		PHARMACEUTICALS,	
STOFFEL, NEAL J.	2,983,608	ENTERPRISE LLC	2,983,411	INC.	2,964,957
STOLKA, PHILIPP JAKOB	2,983,145	SYNAPTIVE MEDICAL		THAMAN, HITANSHI	2,983,439
STOLL, ARMIN	2,983,362	(BARBADOS) INC.	2,956,230	THE BOARD OF TRUSTEES OF	
STOLTZ, RICHARD	2,980,168	SYNAPTIVE MEDICAL		THE LELAND STANFORD	
STOLZ, RICH JOHN	2,981,724	(BARBADOS) INC.	2,969,554	JUNIOR UNIVERSITY	2,983,419
STONE, THEODORE J.	2,983,310	SYNAPTIVE MEDICAL		THE BOARD OF TRUSTEES OF	
STOVNER, ENDRE BAKKEN	2,980,975	(BARBADOS) INC.	2,976,573	THE LELAND STANFORD	
STRADA SIGN SUPPLY INC.	2,983,349	SYNEXIS LLC	2,983,831	JUNIOR UNIVERSITY	2,983,445
STRAKA, JAROMIR	2,983,480	SYNGENTA PARTICIPATIONS		THE BRIGHAM AND	
STRENZKE, HILMAR	2,983,663	AG	2,980,824	WOMEN'S HOSPITAL,	
STRIEDNER, GERALD	2,983,894	SYNTHOS S.A.	2,981,121	INC.	2,980,730
STROH, THORSTEN	2,983,619	SYNTHOS S.A.	2,981,128	THE BRIGHAM AND	
STROH, THORSTEN	2,983,623	SZE, DANIEL HUE MING	2,982,683	WOMEN'S HOSPITAL,	
STROH, THORSTEN	2,983,626	SZETO, ANDREW EUGENE	2,980,719	INC.	2,983,794
STUHRMANN, JAN	2,983,381	SÆTROM, PAL	2,980,975	THE BRIGHAM AND	
SU, ELLEN	2,983,613	TAARNING, ESBEN	2,983,397	WOMEN'S HOSPITAL,	
SUAREZ, ANDREA	2,983,488	TABLEMARK CO., LTD.	2,983,421	INC.	2,983,796
SUBHAASH,		TACHIBANA, MASAHIRO	2,983,578	THE CHEMOURS COMPANY	
THACHANPARAMBATH		TACHIBANA, TAKAHIRO	2,983,572	FC, LLC	2,983,599
KUTTAPPA	2,983,516	TACY, GENE	2,979,894	THE GENERAL HOSPITAL	
SUBLET, YANNICK ANDRE	2,982,894	TAGO, CHARLIE	2,983,339	CORPORATION	2,983,762
SUGANUMA, HIROSHI	2,983,792	TAIRX, INC.	2,983,769	THE JACKSON LABORATORY	2,980,769
SUGIYAMA, YOKO	2,983,792	TAKAHASHI, KAZUYUKI	2,980,689	THE JOHNS HOPKINS	
SUIKKANEN, TIINA	2,983,900	TAKEDA PHARMACEUTICAL		UNIVERSITY	2,980,292
SULLIVAN, BRIAN	2,983,684	COMPANY LIMITED	2,978,223	THE JOHNS HOPKINS	
SULLIVAN, BRYCE A.R.	2,980,942	TAKEDA PHARMACEUTICAL		UNIVERSITY	2,981,742
SULLIVAN, ERIC	2,983,351	COMPANY LIMITED	2,983,391	THE JOHNS HOPKINS	
SUMITOMO DAINIPPON		TAKEI, KAZUHITO	2,983,578	UNIVERSITY	2,982,671
PHARMA CO., LTD.	2,983,609	TAKEMASU, TERUIE	2,984,100	THE PENN STATE RESEARCH	
SUMITOMO ELECTRIC		TAKEOKA, SHINJI	2,983,812	FOUNDATION	2,981,773
INDUSTRIES, LTD.	2,983,585	TALASAZ, AMIRALI	2,983,833	THE PROCTER & GAMBLE	
SUMITOMO ELECTRIC		TALBOT-LANCAULT, ALICIA	2,983,656	COMPANY	2,979,839
INDUSTRIES, LTD.	2,983,792	TALMA, AUKE GERARDUS	2,981,210	THE PROCTER & GAMBLE	
SUN, BENJAMIN JIEMIN	2,981,062	TAMBWEKAR, KAUSTUBH	2,981,601	COMPANY	2,980,145
SUN, HONG	2,980,981	TAMURA, TOSHIYUKI	2,983,569		

Index of PCT Applications Entering the National Phase

THE PROCTER & GAMBLE COMPANY	2,980,146	TOBII AB	2,983,015	TYLER, DAVID	2,983,919
THE PROCTER & GAMBLE COMPANY	2,980,148	TODD, MICHAEL	2,980,326	TZOULAKI, DESPINA	2,983,397
THE PROCTER & GAMBLE COMPANY	2,981,620	TOGNETTI, DAVID L.	2,983,409	UBY, LARS	2,980,671
THE PROCTER & GAMBLE COMPANY	2,983,340	TOKACH, THOMAS J.	2,983,899	UCB BIOPHARMA SPRL	2,981,631
THE PROCTER & GAMBLE COMPANY	2,983,452	TOKYO METROPOLITAN INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	2,983,722	UCB BIOPHARMA SPRL	2,983,537
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	2,966,772	TOMBE, TOSHIHIRO	2,983,790	UCB BIOPHARMA SPRL	2,983,770
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	2,983,927	TOMIZAWA, MASAHITO	2,983,578	UCHEGBU, IJEOMA	2,966,592
THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE	2,983,992	TOMMASI, RUBEN	2,966,632	UKAI, NOBUYUKI	2,983,378
THE REGENTS OF THE UNIVERSITY OF MICHIGAN	2,980,936	TONG, CHEE CHEN	2,982,957	ULANDER, LARS JOHAN ANDREAS	2,983,668
THE UNIVERSITY OF BRITISH COLUMBIA	2,983,562	TORAY INDUSTRIES, INC.	2,983,575	UMEYA, MASANORI	2,983,398
THE UNIVERSITY OF BRITISH COLUMBIA	2,983,804	TORAY INDUSTRIES, INC.	2,983,812	UNDERNEHR, CHRISTOPHER L.	2,983,410
THE UNIVERSITY OF IOWA RESEARCH FOUNDATION	2,983,041	TORAY INDUSTRIES, INC.	2,983,814	UNEBACK, INGEMAR	2,983,402
THE UNIVERSITY OF MELBOURNE	2,983,459	TOSUN, ZEHRA	2,983,486	UNITED INITIATORS GMBH	2,983,374
THE UNIVERSITY OF NOTTINGHAM	2,980,885	TOTAL MARKETING SERVICES	2,981,628	UNITED INITIATORS GMBH	2,983,658
THEIS, UWE	2,982,384	TOTANI CORPORATION	2,982,722	UNITED PARCEL SERVICE OF AMERICA, INC.	2,983,243
THELU, JACQUES	2,981,570	TOTANI, MIKIO	2,982,722	UNITED PARCEL SERVICE OF AMERICA, INC.	2,983,247
THEOPOLD, TOBIAS	2,983,663	TOUR, JAMES M.	2,983,601	UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS	2,983,909
THERAPIX BIOSCIENCES LTD.	2,984,088	TOUSSAINT, BERTRAND	2,981,570	UNITED STATES POSTAL SERVICE	2,983,745
THIBAUT, SIMON	2,983,656	TOYO SEIKAN CO., LTD.	2,983,718	UNIVATION TECHNOLOGIES, LLC	2,981,724
THODEY, CATHERINE	2,983,419	TOYO SEIKAN GROUP HOLDINGS, LTD.	2,983,718	UNIVERSITE D'AIX MARSEILLE	2,983,365
THODEY, CATHERINE	2,983,445	TRAAG, BJORN A.	2,980,723	UNIVERSITE D'EVRY VAL D'ESSONNE	2,983,364
THOMAS, ANITHA	2,983,804	TRANSITIONS OPTICAL, LTD.	2,977,884	UNIVERSITE DE MONTPELLIER	2,983,365
THOMAS, BEENA E.	2,983,918	TRASER, STEFFEN	2,983,539	UNIVERSITE DU QUEBEC A CHICOUTIMI	2,983,948
THOMSON LICENSING	2,984,076	TREDER, MARTIN	2,983,706	UNIVERSITE GRENOBLE ALPES	2,981,570
THOONEN, SANDER HENDRIKUS LAMBERTUS	2,983,518	TREMENTOZZI, ANDREA	2,967,647	UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC.	2,978,471
THORNTON, GREG	2,980,498	TRENCHARD, ISIS	2,983,419	UNIVERSITY OF COPENHAGEN	2,983,764
THORWID, PETER	2,983,628	TRENCHARD, ISIS	2,983,445	UNIVERSITY OF ESSEX ENTERPRISES LIMITED	2,979,837
THRU TUBING SOLUTIONS, INC.	2,983,253	TRENT UNIVERSITY	2,984,041	UNIVERSITY OF GUELPH	2,984,016
THRU TUBING SOLUTIONS, INC.	2,983,660	TRI ALPHA ENERGY, INC.	2,983,344	UNIVERSITY OF MAINE SYSTEM BOARD OF TRUSTEES	2,983,443
THURSTON, GAVIN	2,967,820	TRIBUNE BROADCASTING COMPANY, LLC	2,979,718	UNIVERSITY OF MAINE SYSTEM BOARD OF TRUSTEES	2,983,616
TIAN, BIN	2,980,674	TRICARICO, GIOVANNI ALESSANDRO	2,983,342	UNIVERSITY OF MASSACHUSETTS	2,980,337
TIAN, GENGWEN	2,983,434	TRIG 1 LIMITED	2,982,529	UNIVERSITY OF MASSACHUSETTS	2,980,339
TICHY, STANISLAV	2,983,480	TRIPLETT, DANIEL J.	2,980,760	UNIVERSITY OF SASKATCHEWAN	2,983,350
TIERNEY, JOHN	2,983,386	TROFIMENKO, NIKOLAI	2,980,973	UNIVERSITY OF SASKATCHEWAN	2,983,353
TIGENIX, S.A.U	2,983,950	TRU-SCIENCE, LLC	2,983,823	UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION	2,983,403
TITAN MEDICAL INC.	2,984,092	TRUE HEALTH IP LLC	2,965,165		
TO, ELAINE	2,983,337	TRUE HEALTH IP LLC	2,965,172		
		TSAO, YEOU-PING	2,983,962		
		TSAO, YEOU-PING	2,983,977		
		TSCHOPP, RAQUEL	2,983,442		
		TSUNASHIMA, DAISUKE	2,983,400		
		TSUYUKI, TAKESHI	2,983,399		
		TSUZUKI, KEN	2,983,691		
		TUHAMI, EAMON	2,982,519		
		TUL, ANDRZEJ	2,980,870		
		TULCHINSKY, EVA JEAN	2,981,620		
		TURANOV, ANTON A.	2,980,339		
		TURBODEN SPA	2,983,902		
		TURKNETT, JOHN	2,983,410		
		TURNBULL, RUSSELL	2,983,947		
		TURNER, BARRY S.	2,983,430		
		TURNER, DAVID	2,983,927		
		TURNER, DAVID	2,983,927		
		TURPEN, JOSEPH	2,977,884		
		TUVIGNON, PATRICK	2,981,570		
		TWI BIOTECHNOLOGY, INC.	2,983,394		
		TX INNOVATIONS B.V.	2,981,588		
		TY-FLOT, INC.	2,983,817		

Index des demandes PCT entrant en phase nationale

UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION	2,983,426	VIDLUND, ROBERT M.	2,983,002	WASHINGTON STATE UNIVERSITY	2,983,808
UNIVERSITY OF UTAH RESEARCH FOUNDATION	2,966,422	VIEIRA, ERIC	2,983,908	WASHME PROPERTIES, LLC	2,983,409
UOZUMI, TETSUO	2,984,097	VILK, GREGORY JOHN ADAMS	2,983,806	WASHME PROPERTIES, LLC	2,983,430
URIBE, CARLOS GOMEZ	2,980,326	VILLARS, CURTIS	2,983,412	WATANABE, SEIGO	2,983,680
UTI LIMITED PARTNERSHIP	2,983,624	VISA EUROPE LIMITED	2,983,684	WATANABE, SEIGO	2,983,682
UTTING, LEWIS	2,983,393	VISA INTERNATIONAL SERVICE ASSOCIATION	2,983,742	WATSON, BROCK W.	2,983,253
UZUN, AHMET	2,983,779	VISELLI, ANTHONY M.	2,983,616	WATSON, BROCK W.	2,983,807
VAIDYANATHAN, PRITI	2,967,952	VITAL, PAULO JORGE VIEIRA	2,983,563	WEBER, BJORN	2,983,688
VAJAPEYAM, MADHAVAN SRINIVASAN	2,980,344	VLADYKA, RONALD SAMUEL	2,967,662	WEBER, BRIAN T.	2,980,735
VALLEJO, RICARDO	2,983,582	VLASOPOULOS, NIKOLAOS	2,983,361	WEDA, PAWEL	2,981,121
VALLOUREC OIL AND GAS FRANCE	2,981,634	VOGELAAR, BASTIAAN MAARTEN	2,983,518	WEDA, PAWEL	2,981,128
VALLOUREC OIL AND GAS FRANCE	2,981,640	VOGELSTEIN, BERT	2,980,292	WEI, JINSHENG	2,977,781
VALLOUREC OIL AND GAS FRANCE	2,981,681	VOGLEWEDE, BRENDAN	2,983,113	WEI, JINSHENG	2,977,783
VALTECH CARDIO LTD.	2,982,063	VOGLEWEDE, DANIEL BRENDAN	2,982,940	WEI, SE HWANG	2,982,918
VAMPOLA, JOHN L.	2,979,035	VOGT, CEDRIC	2,981,634	WEICKERT, GUNTER	2,983,423
VAN BERKEL, PATRICIUS HENDRIKUS CORNELIS	2,981,920	VOGT, CEDRIC	2,981,640	WEIGEL, SCOTT J.	2,967,047
VAN DEN BERG, JAN	2,983,167	VOGT, CEDRIC	2,981,681	WEIS, NORBERT	2,983,382
VAN DER GRIEND, HANS	2,983,518	VOITH PATENT GMBH	2,983,614	WEITZEL, JORG	2,983,438
VAN DER MEER, ANDRIES	2,983,821	VOLCHECK, WILLIAM M.	2,964,963	WEITZEL, JORG	2,983,442
VAN DER OOST, JOHN	2,983,567	VOLL, ULRICH	2,980,878	WELCH, DOUGLAS S.	2,983,777
VAN DER SCHUUR, JAN MARTIJN	2,981,210	VOLPERT, EDGAR	2,983,374	WELL STONE CO.	2,983,905
VAN DORE, JONATHAN P.	2,983,637	VOLPERT, EDGAR	2,983,658	WELLINKS, INC.	2,983,613
VAN DYKE, SCOTT	2,983,664	VOMSCHEID, SOPHIE	2,983,674	WELTING, OLAF	2,983,652
VAN HEININGEN, ADRIAAN	2,983,443	VON GRAVROCK, EINARAS	2,983,429	WENDLINGER, LAURENT	2,967,179
VAN KANN, ANDREAS	2,982,414	VONGA, MOHANDAS N.	2,983,410	WENING, KLAUS	2,983,485
VAN LOYEN, DIETMAR	2,983,384	VOORDOUW, GERRIT	2,983,624	WENING, KLAUS	2,983,499
VAN NATTA, BRUCE	2,983,392	VORNLOCHER, HANS-PETER	2,980,975	WENING, KLAUS	2,983,634
VANASSE, THOMAS M.	2,983,650	VOS, PAULUS BARTHOLOMEUS		WENING, KLAUS	2,983,638
VANDENBROECK, JAN	2,983,348	JACOBUS	2,980,107	WENING, KLAUS	2,983,640
VANVORST, DIRK B.	2,980,587	VOSS, CHAD	2,983,288	WENING, KLAUS	2,983,642
VARADI, ANDRAS	2,983,314	VULKAN, ROEE	2,980,281	WENING, KLAUS	2,983,648
VARGHESE, BINDU	2,967,820	W. L. GORE & ASSOCIATES, INC.	2,980,676	WENNERBERG, JOHAN ANDERS	2,983,559
VARIA, MEGHAL	2,983,797	WADA, SHINJI	2,980,676	WERRIES, DIETER	2,982,414
VASUDEVAN, KALYAN	2,967,647	WAGENER, JEFFERSON L.	2,978,430	WESSELINK, WILHELMUS JOHANNES	2,983,167
VEAL, JAMES MARVIN	2,983,446	WAGENINGEN UNIVERSITEIT	2,983,567	WESTON, SIMON CHRISTOPHER	2,967,047
VECCHIA, GIULIANO	2,983,566	WAGNER, ANDREAS	2,980,975	WESTPHAL, BASTIAN	2,983,768
VENNSTROM, ANDERS	2,983,015	WAHLSTROM, NIKLAS HAKAN	2,983,559	WESTROCK MWV, LLC	2,983,424
VERHEIJEN, JEROEN CUNERA	2,966,632	WAL-MART STORES, INC.	2,983,410	WETTEY, COLLINS	2,981,747
VERKERK, UDO	2,983,805	WALDMAN, LARRY	2,983,288	WGA WATER GLOBAL ACCESS, S.L.	2,983,371
VERLEENE, ARNAUD	2,981,634	WALDNER AG	2,983,502	WHITBY, CORINNE	2,979,837
VERLEENE, ARNAUD	2,981,640	WALDNER AG	2,983,504	WHITE, CHARLES	2,979,053
VERLEENE, ARNAUD	2,981,681	WALDNER AG	2,983,509	WHITE, CHARLES	2,979,054
VERSALIS S.P.A.	2,983,449	WALDNER AG	2,983,513	WHITE, RYEN WILLIAM	2,983,109
VERTEX PHARMACEUTICALS INCORPORATED	2,968,130	WALSH, COLIN	2,983,804	WHITE, RYEN WILLIAM	2,983,124
VESCIO, PAUL	2,980,915	WAN, LI	2,966,758	WIENKE, DIETRICH	2,983,416
VESTER, ANDREA	2,983,884	WANG, DAVID	2,983,339	WIERCIENSKI, PAUL CHRISTOPHER JOHN	2,983,797
VETTER PHARMA-FERTIGUNG GMBH & CO. KG	2,983,544	WANG, KE	2,981,008	WIETELMANN, ULRICH	2,983,362
VIA SURGICAL LTD.	2,983,568	WANG, SHANSHAN	2,981,362	WILD, ANDRE	2,983,804
VICENTE, JOAO	2,981,100	WANG, SHU KUI	2,981,755	WILD, GAVIN BARRY	2,983,537
VICK, KEVIN JAMES	2,983,422	WANG, TAO	2,983,702	WILDE, MONIKA	2,983,894
VIDAKOVIC, MLADEN	2,981,747	WANG, TZA-HUEI J.	2,982,671	WILES, GARY	2,983,065
		WANG, WEI	2,983,112	WILLEQUET, OLIVIER	2,983,775
		WANG, XIANG	2,983,992	WILLIAM MARSH RICE UNIVERSITY	2,983,601
		WANG, YONGBAO	2,983,820	WILLIAMS, ARNEECE L.	2,983,745
		WANG, YOUXIANG	2,983,819	WILLIAMS, ERIC L.	2,967,439
		WANKHEDE, AMOL	2,983,286		
		WARBURTON, JAMES	2,966,646		

Index of PCT Applications Entering the National Phase

WILLIAMS, PETER C.	2,983,777	XU, XIAOZHONG	2,983,881	ZHANG, LEI	2,967,047
WILLIAMS, SPENCER JOHN	2,983,459	XU, ZHIYUE	2,981,008	ZHANG, RUI (RAY)	2,967,619
WILLICK, TODD	2,983,944	XUANZHU PHARMA CO., LTD.	2,984,024	ZHANG, WU-YAN	2,964,957
WILLINK, DAAN	2,981,210	XYLECO, INC.	2,983,454	ZHANG, XIAOFENG	2,983,746
WILLOUGHBY, ALASTAIR	2,983,100	XYLEM IP MANAGEMENT S.A R.L.	2,980,671	ZHANG, XIQUAN	2,983,475
WILLOUGHBY, ALASTAIR	2,983,103	YAMADA, SHIGERU	2,983,431	ZHANG, XIYUN	2,983,620
WILSA HOLDINGS, LLC	2,983,827	YAMAGISHI, YASUAKI	2,980,694	ZHANG, YIHUA	2,966,402
WILSON, DAVID	2,983,684	YAMAMOTO, KENJI	2,983,720	ZHANG, YIHUA	2,966,404
WILSON, KEITH	2,966,887	YAMAMOTO, KENJI	2,983,989	ZHAO, LEI	2,981,008
WILSON, SCOTT D.	2,983,072	YAMANE, IKURO	2,978,223	ZHAO, MINGXUE	2,980,583
WINFIELD, SOPHIE	2,982,692	YAMANE, TAKETOSHI	2,980,694	ZHAO, QIAN	2,980,147
WING, PAULA A.	2,983,027	YAMANISHI, DOUGLAS T.	2,983,930	ZHAO, RUI	2,983,475
WINKLER, KARL	2,980,320	YAMASHITA, TOSHIHIDE	2,983,898	ZHOU, HUANHUAN	2,983,604
WINNEN, SINA	2,983,892	YAMAZAKI, ETSUSHI	2,983,578	ZHOU, JIA	2,980,919
WISCONSIN ALUMNI RESEARCH FOUNDATION	2,967,867	YANEV, IVO KOSTADINOV	2,983,417	ZHOU, JIA	2,980,981
WITCOMB, NEIL	2,969,554	YANEV, KOSTADIN DIMITROV	2,983,417	ZHOU, JIA	2,980,988
WITCOMB, NEIL	2,976,573	YANG, HUAXIANG	2,981,182	ZHOU, SHIBIN	2,980,292
WITTEKIND, DAVID	2,983,579	YANG, JIE	2,983,620	ZHOU, XIAOLAN	2,983,440
WOITASZEK, MATTHEW S.	2,983,410	YANG, RUIDONG	2,981,481	ZHOU, YAN	2,980,675
WOLTER, HEINZ	2,983,806	YANG, ZHIJIE	2,983,819	ZHU, SHITONG S.	2,980,722
WONG, BRIAN	2,980,460	YANO, HIROSHI	2,983,903	ZIAI, JAMES	2,966,523
WONG, PUI EE	2,967,284	YE, SHUAI	2,980,583	ZIMBRON, JULIO	2,983,602
WONG, TZU-TSHIN	2,983,391	YEAGER, JAMES L.	2,966,843	ZODIAC DATA SYSTEMS	2,983,552
WOOD, MICHAEL FRANK GUNTER	2,956,230	YEAGER, TERESA Y.	2,983,745	ZOROMSKY, SARA	2,983,243
WOOLF, ANTHONY BRIAN	2,983,630	YERRAMALLI, SRINIVAS	2,979,071	ZOSIMADIS, PETER	2,983,872
WORLDTVU SATELLITES LIMITED	2,983,494	YERRAMALLI, SRINIVAS	2,979,073	ZWOLINSKI, ROBERT	2,967,899
WORLDTVU SATELLITES LIMITED	2,983,497	YODA, TOMONORI	2,983,379		
WRIGHT, CHRISTOPHER ALLEN	2,983,915	YODA, TOMONORI	2,983,385		
WRIGHT, EVAN	2,983,806	YODA, TOMONORI	2,983,571		
WROBEL, MACIEJ	2,983,773	YONEMORI, KAZUKO	2,983,391		
WU, FRANK	2,984,024	YORDEM, ONUR S.	2,980,735		
WU, HAO	2,983,481	YOSHIDA, AIICHIRO	2,983,454		
WU, TIANXIANG	2,983,969	YOSHIDA, HIROSHI	2,983,388		
WU, XIAOCHEN	2,983,733	YOSHIDA, HIROSHI	2,983,404		
WUHAN KAIJI ENGINEERING TECHNOLOGY RESEARCH INSTITUTE CO., LTD.	2,983,604	YOSHIDA, HIROSHI	2,983,404		
WURM, KARL	2,983,406	YOSHIDA, MITSURU	2,983,400		
WURZBURGER, STEVEN	2,983,462	YOSHIDA, YUKI	2,983,578		
WUXI FORTUNE PHARMACEUTICAL CO., LTD.	2,983,481	YOSHIHIRA, MASANORI	2,983,680		
WYLDE, JONATHAN	2,981,370	YOSHIHIRA, MASANORI	2,983,682		
WYSOPAL, JAN C.	2,980,118	YOSHIOKA, SHIGERU	2,983,378		
XERO LIMITED	2,983,799	YOU, JUN	2,983,340		
XU, BEN	2,981,362	YU, CHENGJIAO	2,981,008		
XU, DAIGEN	2,967,853	YU, DANNY	2,967,662		
XU, HAO	2,978,958	YU, RUTH T.	2,983,268		
XU, HAO	2,980,344	YUAN, MING	2,967,432		
XU, JIAN FENG	2,981,755	YUDA, SHUITSU	2,983,585		
XU, JIN	2,967,647	YUN, JEE HUN	2,966,742		
XU, SHAOGANG	2,981,210	YUN, YUE	2,982,671		
XU, TIAN	2,966,334	YVOLVE SPORTS LTD.	2,983,606		
XU, TIAN	2,966,356	ZABORSZKI, STEPHEN J.	2,983,777		
XU, TIAN	2,966,359	ZARLING, SVEN	2,983,649		
XU, XIAOCHUN	2,966,887	ZAWANEH, PETER	2,967,645		
XU, XIAOCHUN	2,967,047	ZAWANEH, PETER	2,967,647		
		ZEBDA, ABDELKADER	2,981,570		
		ZEC, HELENA C.	2,982,671		
		ZEIGLER, FRANK	2,983,832		
		ZENERINO, BEAT	2,980,498		
		ZENG, XIAN-MING	2,981,440		
		ZENG, YUHONG	2,966,758		
		ZENT, KEVIN J.	2,983,916		
		ZHAI, LEI	2,978,471		
		ZHANG, HUIXIANG	2,966,758		

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

3DBIOPSY LLC	2,983,856	DANROTH, ALLAN R.	2,964,619	GIROUX, RICHARD LEE	2,980,613
AHMED, OSMAN	2,979,772	DASHE, JEREMY A.	2,980,067	GITTERE, CLIFF	2,981,471
AHMED, RAFI	2,981,431	DE JEAN DE ST. MARCEL		GLENN, GEORGE	2,981,441
ALBERT, FABIAN	2,964,894	SIMEK-LEMONS, MELISSA		GOODRICH CORPORATION	2,983,347
ALBERT, FABIAN	2,964,899	DANIELLE	2,980,883	GUILDLINE INSTRUMENTS	
ALBERT, FABIAN	2,964,903	DEAN, ROY L.	2,961,686	LIMITED	2,958,470
AMAZON TECHNOLOGIES, INC.	2,979,622	DEESE, ANTHONY S.	2,965,018	GUISE, DARCY G.	2,927,789
AMAZON TECHNOLOGIES, INC.	2,980,067	DINGEMANS, FREDERIC	2,964,924	HAMIK, REINHOLD	2,964,899
ANDERSON, KIM A.	2,981,441	DOKKEN, JOEL	2,983,135	HAMILTON SUNDSTRAND	
ANZURES, FREDDY A.	2,983,178	DORFMAN, DAVID M.	2,981,431	CORPORATION	2,964,612
APPLE COMPUTER, INC.	2,983,178	DUHAIME, KEITH M.	2,964,619	HAMILTON SUNDSTRAND	
ARABSKYY, SERHIY	2,983,696	DUMONT, GILLES	2,927,970	CORPORATION	2,964,613
BAIKOWSKI	2,980,599	DUTHIE, JASON	2,980,613	HAMILTON SUNDSTRAND	
BARBER, DANIEL	2,981,431	ECKMAN, ROBERT D.	2,982,981	CORPORATION	2,964,987
BECTON, DICKINSON AND COMPANY	2,983,535	EICHHORN, MARK ANTHONY	2,927,967	HAMILTON SUNDSTRAND	
BELOSTOTSKI, LEO	2,965,056	EIDSVOLD, KEVIN BRIAN	2,964,801	CORPORATION	2,964,989
BGC PARTNERS, INC.	2,982,084	EMD MILLIPORE		HAMILTON SUNDSTRAND	
BLACKBERRY LIMITED	2,964,695	CORPORATION	2,983,222	CORPORATION	2,964,992
BOGDAN, MARY	2,981,471	EMORY UNIVERSITY	2,981,431	HAMILTON SUNDSTRAND	
BONNEAU, LIONEL	2,980,599	EVANS, MARK	2,958,470	CORPORATION	2,964,994
BRAY, JAMES WILLIAM	2,964,715	EXHART ENVIRONMENTAL		HAMILTON SUNDSTRAND	
BRUNO, LOUIS J.	2,964,612	SYSTEMS, INC.	2,965,007	CORPORATION	2,965,020
BRUNO, LOUIS J.	2,964,613	EXXONMOBIL UPSTREAM		HARDING, WESTON F.	2,983,535
BRUNO, LOUIS J.	2,964,987	RESEARCH COMPANY	2,983,920	HARTRAMPH, RALF	2,964,894
BRUNO, LOUIS J.	2,964,989	FACEBOOK, INC.	2,983,525	HARTRAMPH, RALF	2,964,899
BRUNO, LOUIS J.	2,964,992	FALLBROOK INTELLECTUAL		HARTRAMPH, RALF	2,964,903
BRUNO, LOUIS J.	2,964,994	PROPERTY COMPANY, LLC	2,983,530	HARVEST INTERNATIONAL, INC.	2,965,005
BRUNO, LOUIS J.	2,964,994	FANCHER, ROBERT	2,983,352	HASHISH, MOHAMED A.	2,964,750
BRUNO, LOUIS J.	2,964,994	FANG, MIN	2,964,656	HASSANEIN, WALEED	2,980,782
BRUNO, LOUIS J.	2,965,020	FARRELL, SOLIMAR J.	2,927,967	HAVENER, ROBERT	2,980,782
BSH HAUSGERATE GMBH	2,944,077	FATTAH, IHAB ABDEL	2,980,782	HEART-FAB LTD.	2,927,893
BSH HOME APPLIANCES CORPORATION	2,944,077	FESTO AG & CO. KG	2,964,894	HEATON, TIMOTHY H.	2,982,084
BURNS, MARVIN DEAN	2,982,016	FETSO AG & CO. KG	2,964,899	HELGESEN, JOHN	2,983,352
BURTON, DENNIS R.	2,980,883	FETSO AG & CO. KG	2,964,903	HIGHLINE MANUFACTURING LTD.	2,983,135
BUTLER, GREGORY DEAN	2,964,750	FLOW INTERNATIONAL CORPORATION	2,964,750	HIMMELFARB, MICHAEL	2,965,056
CASE WESTERN RESERVE UNIVERSITY	2,983,500	FORSTALL, SCOTT	2,983,178	HIPSKY, HAROLD W.	2,964,987
CHAMBERLAIN, ADAM LEE	2,964,836	FREEMAN, GORDON	2,981,431	HIPSKY, HAROLD W.	2,965,020
CHAN-HUI, PO-YING	2,980,883	FREY, STEVEN	2,980,883	HOFER, GILBERT	2,927,893
CHAUDHRI, IMRAN	2,983,178	FRIESEN, BYRON J.	2,965,005	HOFFMAN, MICHAEL	2,965,018
CHENEY, MARTIN (DECEASED)	2,981,471	GAO, YUYONG	2,950,855	HOFMANN, CHRIS	2,964,903
CHOKHAWALA, RAHUL	2,964,715	GE LIGHTING SOLUTIONS, LLC	2,964,650	HOLCEK, RONALD GERRY	2,927,967
CHRISTIE, GREG	2,983,178	GENERAL ELECTRIC COMPANY	2,964,136	HONEYWELL INTERNATIONAL INC.	2,981,471
CHU, LIANJIANG	2,927,967	GENERAL ELECTRIC COMPANY	2,964,656	HU, SONGZHOU	2,977,184
CIECIUCH, JOHN	2,983,222	GENERAL ELECTRIC COMPANY	2,964,715	HULSE, RYAN	2,981,471
CLAPPER, JOSHUA E.	2,961,686	GENERAL RECYCLED	2,964,708	HUSQVARNA AB	2,983,352
CULLINANE, J. TIM	2,983,920	GERAGHTY, BENJAMIN J.	2,964,945	HYDRA HEATING INDUSTRIES, LLC	2,965,018
CUNNINGHAM, CHARLES H.	2,964,945	GERMANIC MFG. LTD.	2,927,893	HYDRO-QUEBEC	2,928,121
DAIGLE, JEAN-CHRISTOPHE	2,928,121	GIERDEN, MARCO	2,964,894	ILLINOIS TOOL WORKS INC.	2,982,016
DALZELL, RICHARD	2,980,613	GILLEN, ROBERT J.	2,962,817	INTENSE LIGHTING, LLC	2,964,801
DANA-FARBER CANCER INSTITUTE INC.	2,981,431			INTERNATIONAL AIDS VACCINE INITIATIVE	2,980,883

**Index of Canadian Divisional and Previously Unavailable
Applications Open to Public Inspection**

ISAACSON, RAY S.	2,983,535	OBERMEYER, HENRY K.	2,982,981	STUDEBAKER, ROBERT L., JR.	2,965,291
JAFFREY, IAN	2,980,613	OLSEN, OLE	2,980,883	SULLIVAN, JOSEPH D.	2,980,067
JANTSCH, MICHAEL	2,964,894	ORDING, BAS	2,983,178	SUMMACH, MONTGOMERIE	2,983,135
JANTSCH, MICHAEL	2,964,903	ORKISZEWSKI, CHARLES		SUNNYBROOK RESEARCH	
JAY, JON R.	2,980,067	STANLEY	2,964,136	INSTITUTE	2,964,945
JENKINS, JONATHAN A.	2,979,622	PAN, ZHONGGUANG	2,950,855	TAN, DANIEL	2,983,500
JIANG, SHENG	2,964,656	PAONESSA, MARTIN R.	2,981,471	TARTAN COMPLETION	
JOEL, KEVIN	2,977,206	PAPADIMITRIOU, STYLIANOS	2,964,243	SYSTEMS INC.	2,983,696
JOHNSON, TIM	2,965,068	PAPADIMITRIOU, WANDA	2,964,243	TATA COMMUNICATIONS	
JUDKINS, BROCK A.	2,980,067	PARKER, EDWARD (TED)	2,964,708	(AMERICA) INC.	2,964,924
KAMINSKY, STEPHEN	2,980,883	PEEBLES, BRIAN	2,964,924	TAYLOR, BRETT R.	2,979,622
KASPER, DAVID	2,964,708	PERRAS, ANDRE	2,958,470	TENG, YANMEI	2,950,855
KAUFMAN, DONALD L.	2,980,067	PHAM, HANG T.	2,981,471	THE BRIGHAM AND	
KAZALA, RICHARD MARVIN,		PHOGAT, SANJAY K.	2,980,883	WOMEN'S HOSPITAL,	
JR.	2,980,359	POHL, BRAD P.	2,983,530	INC.	2,981,431
KCI LICENSING, INC.	2,980,359	POIGNARD, PASCAL		THE SCRIPPS RESEARCH	
KHAYAL, TAMER	2,980,782	RAYMOND GEORGES	2,980,883	INSTITUTE	2,980,883
KIDWAI, TAUSEEF	2,980,067	POVINELLI, ANTHONY J.	2,963,660	THERACLONE SCIENCES,	
KOFF, WAYNE	2,980,883	PRESIDENT AND FELLOWS		INC.	2,980,883
KONDRA, GENE	2,983,135	OF HARVARD COLLEGE	2,981,431	THOMASSY, FERNAND A.	2,983,530
KYI, STANLEY	2,980,782	PURE DRAGON		TIMMONS, RICHARD	2,958,470
LALJI, ALKARIM	2,964,936	ENVIRONMENTAL LTD.	2,964,619	TQ DELTA, LLC	2,980,607
LAMBERT, MATTHEW M.	2,983,352	PURKIS, DANIEL	2,980,613	TRACHTENBERG, JON	2,980,782
LANDWEHR, SEAN E.	2,964,836	QIN, SHUYI	2,964,656	TRANSMEDICS, INC.	2,980,782
LANGLOIS, ROBERT	2,983,222	RAMAIAH, RAGHU	2,964,656	TYLER, DUSTIN	2,983,500
LEBLANC, RICHARD J.	2,979,772	RAVENSBERGEN, JOHN	2,965,068	TZANNES, MARCOS C.	2,980,607
LEE, WILLIAM EDWARD	2,964,836	ROLLS-ROYCE		UNDERCAR EXPRESS, LLC	2,965,011
LEMAY, STEPHEN O.	2,983,178	CORPORATION	2,964,836	UNITED PARCEL SERVICE OF	
LENNINGS, ERIC	2,983,352	ROLLS-ROYCE PLC	2,964,836	AMERICA, INC.	2,962,817
LI, YON	2,964,656	ROSCA, JUSTINIAN	2,979,772	UTI LIMITED PARTNERSHIP	2,965,056
LIN, YUNG-CHUN	2,980,067	ROTHE, SVEN	2,964,894	VALLS ANGLES, ISAAC	2,981,388
LITTLE, DENNIS CHARLES	2,965,057	ROTHE, SVEN	2,964,903	VAN OS, MARCEL	2,983,178
LOHR, CHARLES B.	2,983,530	ROUSH, MIKE	2,962,817	VEIT, ANDREAS	2,964,894
LONG, JUSTIN ALEXANDER	2,980,359	ROVALMA, S.A.	2,981,388	VEIT, ANDREAS	2,964,899
LONG, QI	2,964,656	RUPPERT, BENJAMIN R.	2,963,660	VEIT, ANDREAS	2,964,903
LUCE, WILLIAM E.	2,983,347	SALEH, HESHAM	2,980,782	VENTURA HOLDINGS LTD.	2,928,056
LUND, MICHAEL	2,980,607	SASTRY, CHELLURY R.	2,979,772	VERMA, SANDEEP	2,927,967
LUTNICK, HOWARD W.	2,982,084	SCHECHTER, DAVE	2,983,856	VIDIL, JEAN-CHRISTOPHE	2,964,750
MAGNA INTERNATIONAL		SCHIEFER, MATTHEW	2,983,500	VIGNA, JAMES	2,983,222
INC.	2,963,660	SCHUCK, PAUL E.	2,965,011	VILKOV, ANDREY N.	2,964,147
MAKI, ERIC	2,981,441	SHAH, MILIN	2,962,817	VITAWORKS IP, LLC	2,977,184
MANHIRE, JEFFREY B.	2,963,660	SHARPE, ARLENE	2,981,431	WALKER, LAURA MARJORIE	2,980,883
MART, CHARLES J.	2,983,920	SHARPE, RAYMOND P., JR.	2,980,067	WALKIN, BRANDON	
MARTEL, JEFFREY EVAN	2,964,750	SHE, XU	2,964,715	MARSHALL	2,983,525
MATAS, MICHAEL	2,983,525	SHOPSOWITZ, NOAH	2,964,933	WANG, SHUPING	2,965,018
MATHIS, JIM	2,961,686	SIEMENS		WANG, WEI	2,964,650
MATTHEWS, MARTIN R.	2,963,660	AKTIENGESELLSCHAFT	2,964,894	WEAGLE, GLENN E.	2,964,619
MCKINNON, AUSTIN JASON	2,983,535	SIEMENS		WEATHERFORD	
MEGTEC SYSTEMS, INC.	2,981,441	AKTIENGESELLSCHAFT	2,964,899	TECHNOLOGY	
MENARD, PATRICK	2,964,924	SIEMENS		HOLDINGS, LLC	2,980,613
MITCHAM, JENNIFER	2,980,883	AKTIENGESELLSCHAFT	2,964,903	WEBB, GARTH T.	2,928,056
MO, T. W.	2,982,981	SIEMENS CORPORATION	2,979,772	WEILAND, THOMAS J.	2,980,067
MOK, ANDY	2,944,077	SIEMENS INDUSTRY, INC.	2,979,772	WEISER, MARGARET	2,965,007
MORPHO DETECTION, LLC	2,964,147	SINGH, RAJIV RATNA	2,981,471	WEISER, MICHAEL	2,965,007
MOYLE, MATTHEW	2,980,883	SIVINSKI, JEFFREY ALAN	2,965,005	WELLS, ANDREW A.	2,964,936
MULDOON, JOSEPH	2,983,222	SMARTBOTHUB LLC	2,964,936	WHERRY, E. JOHN	2,981,431
N-SOLV CORPORATION	2,927,967	SOMMERER, TIMOTHY JOHN	2,964,715	WILKES, ROBERT PEYTON	2,980,359
NASIRI, NASRIN AL	2,964,836	SPICER, JONATHAN	2,964,801	WONG, JOSHUA KWAN HO	2,964,695
NCS MULTISTAGE INC.	2,965,068	SPINDLER, CARSTEN	2,964,894	YANG, SICHENG	2,950,855
NENNIGER, JOHN	2,927,967	SPINDLER, CARSTEN	2,964,903	ZAGHIB, KARIM	2,928,121
NEUDORF, BLAKE	2,983,135	SPREMO, AIDA	2,964,801	ZHANG, CHENGUANG	2,964,650
NORTH AMERICAN PIPE		STEEN, TOD ROBERT	2,964,136	ZHU, MEIXIU	2,964,650
CORPORATION	2,961,686	STONE, NELSON	2,983,856	ZITO, ARTHUR J., JR.	2,983,726
NORTHROP, PAUL SCOTT	2,983,920	STOUT, MARTY L.	2,983,535		