



Canadian
Intellectual Property
Office

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Industry Canada

Office de la propriété
intellectuelle
du Canada

Un organisme
d'Industrie Canada

ISSN-1712-4034

The Patent

Office Record

La Gazette

du Bureau des brevets



Vol. 145 No. 25 June 20, 2017

Vol. 145 No. 25 le 20 juin 2017

Canada



THE CANADIAN PATENT OFFICE RECORD

LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle
Commissioner of Patents

Johanne Bélisle
Commissaire aux brevets

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

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

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

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

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Notices

Avis

1. Dates and Code Numerals Appearing in Patent Headings

Dates

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

Code Numerals

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

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

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

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

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

Dates

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

Chiffres de code

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

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

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

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

2. Country Code

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

2. Code des pays

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

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

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

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

6. Licensing of Patents

Voluntary Licences

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

Compulsory Licences

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

7. Patents Available for Licence or Sale

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

8. List of Patents Available for Licence or Sale

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

None

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Octroi de licences en vertu des brevets

Licences librement accordées

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

Licences obligatoires

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

7. Brevets disponibles pour licence ou vente

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

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

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

Aucun

9. Applications Open to Public Inspection

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

10. Language of Published Documents

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

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

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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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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.

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.

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

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

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

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

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

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

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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.

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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](#)

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- 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

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- [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

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application itself or amendment(s) thereof.

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

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

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

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

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

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

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

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

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

Supports électroniques acceptés par le Bureau des brevets

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

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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 ½" 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 ½" 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.

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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

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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 :

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

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

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

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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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 June 20, 2017 contains applications open to public inspection from June 4, 2017 to June 10, 2017.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 20 juin 2017 contient les demandes disponibles au public pour consultation pour la période du 4 juin 2017 au 10 juin 2017.

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[13] C

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[54] **SYSTEMS AND METHODS FOR
LINKING ORDERS IN
ELECTRONIC TRADING
SYSTEMS**

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[25] EN
[54] **SYSTEM AND METHOD FOR THE MODIFICATION OF SURGICAL PROCEDURES USING A GRAPHICAL DRAG AND DROP INTERFACE**
[54] **SYSTEME ET METHODE DE MODIFICATION DES INTERVENTIONS CHIRURGICALES PAR INTERFACE GRAPHIQUE A GLISSER-DEPLACER**
[72] ESSEX, PAUL J., US
[72] EKVALL, JOHAN, US
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[13] C

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[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING AND PREVENTING MALARIA (2)**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT ET LA PREVENTION DE LA MALARIA (2)**
[72] COWMAN, ALAN, AU
[72] BEESON, JAMES, AU
[72] MAIER, ALEXANDER GERD, AU
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[25] EN
[54] **POLYMORPHISM IN THE KIF6 GENE AS A DIAGNOSTIC FOR MYOCARDIAL INFARCTION RISK AND RESPONSIVENESS TO STATIN TREATMENT**
[54] **POLYMORPHISME DU GENE KIF6 COMME DIAGNOSTIC DE RISQUE D'INFARCTUS DU MYOCARDE ET REACTIVITE AU TRAITEMENT A LA STATINE**
[72] IAKOUBOVA, OLGA, US
[72] DEVLIN, JAMES J., US
[73] CELERA CORPORATION, US
[85] 2007-12-24
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[54] **USE OF CELLS FOR TREATING A NEURODEGENERATIVE CONDITION**
[54] **UTILISATION DE CELLULES POUR TRAITER UN ETAT NEURODEGENERATIF**
[72] LEE, KWAN HEE, US
[72] LEE, DUK KEUN, US
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[13] C

[51] **Int.Cl. G06F 7/02 (2006.01)**
[25] EN
[54] **PARTIAL ITEM CHANGE TRACKING AND SYNCHRONIZATION**
[54] **SUIVI ET SYNCHRONISATION DES MODIFICATIONS PARTIELLES D'ARTICLES**
[72] DUN, ALEC C., US
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[51] **Int.Cl. G06Q 10/00 (2012.01) H04W 4/00 (2009.01) G07C 9/00 (2006.01) A61B 5/117 (2016.01)**
[25] EN
[54] **SITE-SPECIFIC ACCESS MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION D'ACCES PROPRE AU SITE**
[72] KOCHEVAR, PETER D., US
[72] RAY, RANDALL L., US
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[54] **AMINOQUINOLONES UTILISEES COMME INHIBITEURS DE LA GSK-3**

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[72] FUKUDA, YASMUCHI, JP
[72] NOMURA, MASAHIRO, JP
[72] SETO, SHIGEKI, JP
[72] YUMOTO, KAZUHIRO, JP
[72] OKADA, KYOKO, JP
[72] NAKAMURA, AYAKO, JP
[73] KYORIN-PHARMACEUTICAL CO., LTD., JP
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[51] **Int.Cl. G05B 19/18 (2006.01) G05B 19/408 (2006.01)**

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[54] **MACHINE TOOL OR PRODUCTION MACHINE WITH SIGNAL GENERATION BY MEANS OF DIRECT DRIVE AND METHOD FOR GENERATING SIGNALS IN SUCH A MACHINE**
[54] **MACHINE-OUTIL OU MACHINE DE PRODUCTION AVEC GENERATION DE SIGNAUX PAR ENTRAINEMENT DIRECT, ET METHODE DE GENERATION DE SIGNAUX DANS CETTE MACHINE**

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[73] KLINGELNBERG AG, CH
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[22] 2008-12-10
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[13] C

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[25] EN
[54] **SYSTEMS, DEVICES AND METHODS FOR FLUID PUMPING, HEAT EXCHANGE, THERMAL SENSING, AND CONDUCTIVITY SENSING**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE POMPAGE DE FLUIDE, ECHANGE DE CHALEUR, DETECTION THERMIQUE, ET DETECTION DE CONDUCTIVITE**

[72] KAMEN, DEAN, US
[72] DEMERS, JASON A., US
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[72] GRAY, LARRY B., US
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[11] **2,651,237**
[13] C

[51] **Int.Cl. E01F 15/06 (2006.01)**

[25] EN
[54] **RELEASABLE ANCHOR CABLES FOR CABLE BARRIERS THAT RELEASE UPON CERTAIN LOAD CONDITIONS UPON THE CABLE BARRIER**
[54] **CABLES D'ANCRAGE AMOVIBLES POUR BARRIERE DE SECURITE A CABLES SE DEGAGEANT SOUS CERTAINES CONDITIONS DE CHARGES S'APPLIQUANT A LA BARRIERE DE SECURITE**

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[73] VALMONT HIGHWAY TECHNOLOGY LIMITED, NZ
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[25] EN
[54] **METHODS FOR REGULATING COMPLEMENT CASCADE PROTEINS USING ASTROVIRUS COAT PROTEIN AND DERIVATIVES THEREOF**
[54] **PROCEDES DE REGULATION DE PROTEINES DE LA CASCADE DU COMPLEMENT EN UTILISANT UNE PROTEINE D'ENVELOPPE ASTROVIRALE ET SES DERIVES**

[72] KRISHNA, NEEL K., US
[72] CUNNION, KENJI, US
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[25] EN
[54] **METHOD FOR MAKING HYBRID METAL-CERAMIC MATRIX COMPOSITE STRUCTURES AND STRUCTURES MADE THEREBY**
[54] **METHODE DE PREPARATION DE STRUCTURES COMPOSITES HYBRIDES METAL-MATRICE CERAMIQUE ET STRUCTURES FABRIQUEES AU MOYEN DE LADITE METHODE**
[72] CHAKRABARTI, BUDDHADEV, US
[72] LEHMAN, LEANNE, US
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[72] KEITH, WILLIAM P., US
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[25] EN
[54] **A METHOD OF REARING AMBLYSEIUS PREDATORY MITES USING THYREOPHAGUS ENTOMOPHAGUS AS PREY**
[54] **METHODE D'ELEVAGE D'ACARIENS PREDATEURS AMBLYSEIUS UTILISANT THYREOPHAGUS ENTOMOPHAGUS COMME PROIE**
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[11] **2,658,555**
[13] C

[51] **Int.Cl. G07F 17/32 (2006.01)**
[25] EN
[54] **VIRTUAL PLAYER TRACKING AND RELATED SERVICES**
[54] **SUIVI DE JOUEUR VIRTUEL ET SERVICES APPARENTES**
[72] NGUYEN, BINH, US
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[25] EN
[54] **TRIAZOLE COMPOUNDS THAT MODULATE HSP90 ACTIVITY**
[54] **COMPOSES DE TRIAZOLE MODULANT L'ACTIVITE DE LA HSP90**
[72] FOLEY, KEVIN, US
[72] YING, WEIWEN, US
[73] SYNTA PHARMACEUTICALS CORP., US
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[11] **2,661,110**
[13] C

[51] **Int.Cl. C12M 1/34 (2006.01) C12Q 1/04 (2006.01) C12Q 1/68 (2006.01) C12Q 1/70 (2006.01) G01B 11/16 (2006.01) G01D 5/26 (2006.01) G01L 1/24 (2006.01) G01L 11/02 (2006.01) G01N 21/41 (2006.01) G01N 33/483 (2006.01) G01N 33/53 (2006.01) G01N 33/569 (2006.01) G01N 33/66 (2006.01) G01N 33/98 (2006.01)**
[25] EN
[54] **TILTED GRATING SENSOR**
[54] **DETECTEUR A RESEAU INCLINE**
[72] ALBERT, JACQUES, CA
[72] CHEN, CHENGKUN, CA
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[72] IVANOV, ALEXEI, CA
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[13] C

[51] **Int.Cl. E21B 33/12 (2006.01)**
[25] EN
[54] **RING MEMBER FOR SWELLABLE APPARATUS, ASSEMBLY AND METHOD**
[54] **ELEMENT ANNULAIRE POUR DISPOSITIF DILATABLE, ASSEMBLAGE ET METHODE D'ASSEMBLAGE**
[72] NUTLEY, KIM, GB
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[25] EN
[54] **FOOD MATERIAL FOR INHIBITING OSTEOCLASTOGENESIS**

[54] **MATIERE D'ALIMENT POUR INHIBER LA CREATION D'OSTEOCLASTE**

[72] SERIZAWA, ATSUSHI, JP
[72] MORITA, YOSHIKAZU, JP
[72] UETSUJI, DAISUKE, JP
[72] ONO, AIKO, JP
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[25] EN
[54] **HYPERCOMPRESSED PARTICLES FOR CONTROLLED RELEASE OF OPHTHALMIC MEDICATIONS**

[54] **PARTICULES HYPERCOMPRIMEES POUR LIBERATION CONTROLEE DE MEDICAMENTS OPHTALMIQUES**

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[72] LIEBMANN, JEFFREY M., US
[72] CHEN, WEILIAM, US
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[25] EN
[54] **DUAL LOCKING BAND CLAMP AND METHOD OF FORMING THE SAME**

[54] **COLLIER DE SERRAGE A DOUBLE VERROUILLAGE ET SON PROCEDE DE FORMATION**

[72] DORNEMAN, CASEY JAMES, US
[72] MARELIN, MIKLOS BALAZS, US
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[54] **BULK MATERIAL HANDLING VEHICLE**

[54] **VEHICULE DE MANUTENTION DE MATERIAUX EN VRAC**

[72] OSTERMEYER, BERND, AU
[73] MAXITRANS AUSTRALIA PTY LTD, AU
[85] 2010-05-05
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[54] **MOBILE SERVICE STATION AND METHOD OF CONFIGURING THE SAME**

[54] **STATION DE SERVEUR MOBILE ET SA METHODE DE CONFIGURATION**

[72] NOISEUX, DANIEL, CA
[72] MAHEU, PIERRE, CA
[72] LAMPRON, FRANCOIS, CA
[72] NEVEU, ALAIN, CA
[72] LACERTE, JOSEPH, CA
[73] 6943977 CANADA INC., CA
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[25] EN
[54] **SYSTEM AND METHOD FOR DISPLAYING SOUND AS VIBRATIONS**

[54] **SYSTEME ET METHODE AFFICHANT UN SON SOUS FORME DE VIBRATIONS**

[72] KARAM, MARIA, CA
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[25] EN

[54] **CHIMERIC SMALL MOLECULES FOR THE RECRUITMENT OF ANTIBODIES TO CANCER CELLS**

[54] **PETITES MOLECULES CHIMERIQUES POUR LE RECRUTEMENT D'ANTICORPS DIRIGES CONTRE DES CELLULES CANCEREUSES**

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[51] **Int.Cl. B65D 81/26 (2006.01) B65D 81/24 (2006.01) B65D 83/02 (2006.01)**

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[54] **VIAL WITH NON-ROUND SEAL**

[54] **FLACON MUNI D'UN JOINT D'ETANCHEITE NON CIRCULAIRE**

[72] BUCHOLTZ, MICHAEL, US
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[73] CSP TECHNOLOGIES, INC., US
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[86] 2009-05-15 (PCT/US2009/044193)
[87] (WO2009/140627)
[30] US (61/053,277) 2008-05-15
[30] US (61/081,514) 2008-07-17

[11] **2,724,703**
[13] C

[51] **Int.Cl. G06F 21/33 (2013.01)**

[25] EN

[54] **SYSTEM AND METHOD THAT USES CRYPTOGRAPHIC CERTIFICATES TO DEFINE GROUPS OF ENTITIES**

[54] **SYSTEME ET PROCEDURE UTILISANT DES CERTIFICATS CRYPTOGRAPHIQUES POUR DEFINIR DES GROUPES D'ENTITES**

[72] BECKWITH, R. WILLIAM, US
[72] MARSHALL, JEFFREY G., US
[72] CHILTON, JEFFREY W., US
[73] OBJECTIVE INTERFACE SYSTEMS, INC., US
[85] 2010-11-19
[86] 2008-05-16 (PCT/US2008/006346)
[87] (WO2009/139750)

[11] **2,725,264**
[13] C

[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/157 (2006.01)**

[25] EN

[54] **BODY FLUID SAMPLING DEVICE -- SAMPLING SITE INTERFACE**

[54] **DISPOSITIF DE PRELEVEMENT DE LIQUIDE ORGANIQUE ET INTERFACE DE SITE DE PRELEVEMENT**

[72] ESCUTIA, RAUL, US
[72] LITHERLAND, CRAIG M., US
[72] EMERY, JEFFREY L., US
[72] JONES, JEFFREY, M., US
[72] TOMASCO, MICHAEL F., US
[72] LIPMAN, KELLEY J., US
[73] INTUITY MEDICAL, INC., US
[85] 2010-11-22
[86] 2009-06-01 (PCT/US2009/003318)
[87] (WO2009/145920)
[30] US (61/129,025) 2008-05-30

[11] **2,726,016**
[13] C

[51] **Int.Cl. F01D 5/08 (2006.01)**

[25] FR

[54] **ASSEMBLY INCLUDING A TURBINE DISC FOR A GAS TURBINE ENGINE AND A BEARING-SUPPORTING JOURNAL, AND COOLING CIRCUIT FOR THE TURBINE DISC OF SUCH AN ASSEMBLY**

[54] **ENSEMBLE D'UN DISQUE DE TURBINE D'UN MOTEUR A TURBINE A GAZ ET D'UN TOURILLON SUPPORT DE PALIER, CIRCUIT DE REFROIDISSEMENT D'UN DISQUE DE TURBINE D'UN TEL ENSEMBLE**

[72] BONNEAU, DAMIEN, FR
[72] GARIN, FABRICE, FR
[72] JUDET, MAURICE GUY, FR
[72] LANGEVIN, THOMAS, FR
[73] SNECMA, FR
[85] 2010-11-26
[86] 2009-05-29 (PCT/EP2009/056617)
[87] (WO2009/144300)
[30] FR (08/02945) 2008-05-29

[11] **2,727,352**
[13] C

[51] **Int.Cl. G01B 11/06 (2006.01) G01N 21/63 (2006.01)**

[25] EN

[54] **AN APPARATUS AND A METHOD OF DETERMINING THE PRESENCE OF AN ALUMINA LAYER ON A SURFACE OF A COMPONENT**

[54] **UN APPAREIL ET UNE METHODE POUR DETERMINER LA PRESENCE D'UNE COUCHE D'ALUMINE SUR UNE SURFACE D'UN COMPOSANT**

[72] KELL, JAMES, GB
[72] DAY, JOHN CHARLES CLIFFORD, GB
[73] ROLLS-ROYCE PLC, GB
[86] (2727352)
[87] (2727352)
[22] 2011-01-10
[30] GB (1001354.8) 2010-01-28

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[13] C

[51] **Int.Cl. C23C 2/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR CONTROLLING THE INTRODUCTION OF SEVERAL METALS INTO A CAVITY DESIGNED TO MELT SAID METALS**
[54] **METHODE ET DISPOSITIF DE CONTROLE D'UNE INTRODUCTION DE PLUSIEURS METAUX DANS UNE CAVITE ADAPTEE A UNE FUSION DESDITS METAUX**
[72] GRENIER, BENJAMIN, FR
[72] D'HALLUIN, ARNAUD, FR
[73] PRIMETALS TECHNOLOGIES FRANCE SAS, FR
[85] 2011-05-12
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[25] EN
[54] **CHITOSAN DERIVATIVES TO TREAT ANIMALS OR OPTIMIZE ANIMAL HEALTH**
[54] **DERIVES DE CHITOSAN POUR TRAITER DES ANIMAUX OU OPTIMISER LA SANTE ANIMALE**
[72] BAKER, SHENDA, US
[72] WIESMANN, WILLIAM P., US
[73] SYNEDGEN, INC., US
[85] 2011-05-12
[86] 2009-11-12 (PCT/US2009/064250)
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[30] US (61/113,981) 2008-11-12

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[13] C

[51] **Int.Cl. C08K 5/00 (2006.01) C08J 3/18 (2006.01) C08K 5/101 (2006.01) C08K 5/42 (2006.01) C08L 27/06 (2006.01)**
[25] EN
[54] **PLASTICIZER PREPARATIONS WITH GOOD GELLING PROPERTIES**
[54] **PREPARATIONS DE PLASTIFIANT AYANT DE BONNES PROPRIETES DE GELIFICATION**
[72] FACKLAM, THOMAS, DE
[72] JOB, ANDREAS, DE
[73] LANXESS DEUTSCHLAND GMBH, DE
[86] (2745255)
[87] (2745255)
[22] 2011-07-05
[30] EP (10168454.6) 2010-07-05

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[25] EN
[54] **DIMERIC AVERMECTIN AND MILBEMYCIN DERIVATIVES**
[54] **DERIVES DIMERES D'AVERMECTINE ET DE MILBEMYCINE**
[72] MENG, CHARLES Q., US
[73] MERIAL, INC., US
[85] 2011-06-01
[86] 2009-12-04 (PCT/US2009/066768)
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[13] C

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[25] EN
[54] **PROCESS AND PLANT FOR PRODUCING METAL OXIDE FROM METAL SALTS**
[54] **PROCEDE ET INSTALLATION DE PRODUCTION D'OXYDE METALLIQUE A PARTIR DE SELS METALLIQUES**
[72] MISSALLA, MICHAEL, DE
[72] HILTUNEN, PEKKA, DE
[72] BLIGH, ROGER, AU
[72] SCHMIDBAUER, ERWIN, DE
[72] KLETT, CORNELIS, DE
[72] SCHNEIDER, GUENTER, DE
[73] OUTOTEC OYJ, FI
[85] 2011-06-16
[86] 2009-12-18 (PCT/EP2009/009115)
[87] (WO2010/083865)
[30] DE (10 2009 006 095.2) 2009-01-26

[11] **2,745,697**
[13] C

[51] **Int.Cl. A61M 1/00 (2006.01) A61B 17/08 (2006.01) A61F 13/00 (2006.01) A61M 27/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR PROVIDING FLUID FLOW TO NERVE TISSUES**
[54] **SYSTEME POUR GENERER UN ECOULEMENT DE FLUIDE DANS LES TISSUS NERVEUX**
[72] SWAIN, LARRY, US
[72] MANWARING, MICHAEL, US
[72] LEUNG, BRADEN, US
[72] CORNET, DOUGLAS, US
[73] KCI LICENSING, INC., US
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[86] 2009-12-29 (PCT/US2009/069713)
[87] (WO2010/078345)
[30] US (61/142,053) 2008-12-31
[30] US (61/142,065) 2008-12-31
[30] US (61/234,692) 2009-08-18
[30] US (61/238,770) 2009-09-01

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[13] C

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[54] **CONNECTEUR COAXIAL AVEC DOUBLE ECROU DE SERRAGE**
[72] BURRIS, DONALD ANDREW, US
[72] LUTZ, WILLIAM BERNARD, US
[73] CORNING OPTICAL COMMUNICATIONS RF LLC, US
[85] 2011-08-22
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[30] US (12/391,468) 2009-02-24

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[13] C

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[54] **SPINE STABILIZATION DEVICE, AND METHOD AND KIT FOR ITS IMPLANTATION**
[54] **DISPOSITIF DE STABILISATION RACHIDIENNE, ET PROCEDE ET TROUSSE POUR SON IMPLANTATION**
[72] MUELLER, ANDREA, CH
[72] BERRA, MILICA, CH
[72] AESCHLIMANN, MARCEL, CH
[72] LEHMANN, MARIO, CH
[72] WEBER, URS, CH
[72] MAYER, JORG, CH
[72] HOCHSCHULER, STEPHEN, US
[72] YUAN, HANSEN, US
[72] PHILLIPS, FRANK M., US
[72] MEHL, STEPHANIE, CH
[72] MOCK, ELMAR, CH
[72] WENGER, ANDREAS, CH
[72] SEILER, PHILIPP, CH
[72] BERLEMANN, ULRICH, CH
[73] SPINWELDING AG, CH
[85] 2011-08-24
[86] 2010-02-24 (PCT/CH2010/000045)
[87] (WO2010/096942)
[30] US (61/155,241) 2009-02-25
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[11] **2,754,012**
[13] C

[51] **Int.Cl. F16L 1/20 (2006.01) E02B 17/00 (2006.01) E02B 17/06 (2006.01) F16L 1/26 (2006.01) F16L 37/62 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN AND RELATING TO CLAMPING ARRANGEMENTS**
[54] **AMELIORATIONS A DES AGENCEMENTS DE SERRAGE ET S'Y RAPPORANT**
[72] CURRY, PETER JAMES, GB
[73] BRITANNIA ENGINEERING (ISLE OF MAN) LIMITED, IM
[85] 2011-08-29
[86] 2010-02-26 (PCT/GB2010/050348)
[87] (WO2010/100473)
[30] GB (0903520.5) 2009-03-03
[30] GB (0910151.0) 2009-06-12

[11] **2,754,064**
[13] C

[51] **Int.Cl. A61K 36/355 (2006.01) A61K 36/00 (2006.01) A61K 36/076 (2006.01) A61K 36/315 (2006.01) A61P 29/00 (2006.01) A61P 31/16 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **PLANT EXTRACT COMPOSITIONS FOR THE TREATMENT OF INFLUENZA AND INFLAMMATION**
[54] **COMPOSITIONS D'EXTRAIT DE PLANTE DESTINEES AU TRAITEMENT DE LA GRIPPE ET DE L'INFLAMMATION**
[72] XIE, XUEJU, CA
[72] KO, JASON JIANG-CHUNG, CA
[73] VIVA PHARMACEUTICAL INC., CA
[85] 2011-08-31
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[87] (WO2010/099613)
[30] US (61/157,049) 2009-03-03

[11] **2,754,337**
[13] C

[51] **Int.Cl. G03F 7/20 (2006.01)**
[25] EN
[54] **ILLUMINATION SYSTEM FOR USE IN A STEREOLITHOGRAPHY APPARATUS**
[54] **SYSTEME D'ECLAIRAGE POUR APPAREIL DE STEREOLITHOGRAPHIE**
[72] JAMAR, JACOBUS HUBERTUS THEODOOR, NL
[72] RIJFERS, ANDRIES, NL
[72] KRUIZINGA, BORGERT, NL
[72] KOOISTRA, JENTSKE D., NL
[72] VAES, MARK HERMAN ELSE, NL
[73] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL
[73] DSM IP ASSETS B.V., NL
[85] 2011-09-02
[86] 2010-03-08 (PCT/NL2010/050116)
[87] (WO2010/101466)
[30] EP (09154568.1) 2009-03-06

[11] **2,754,715**
[13] C

[51] **Int.Cl. A01D 34/416 (2006.01)**
[25] EN
[54] **GRASS-CUTTING HEAD**
[54] **TETE DE COUPE POUR GAZON**
[72] ARNETOLI, FABRIZIO, IT
[73] ARNETOLI MOTOR S.R.L., IT
[85] 2011-09-07
[86] 2010-02-19 (PCT/IT2010/000062)
[87] (WO2010/103558)
[30] IT (FI2009A000046) 2009-03-12

[11] **2,754,766**
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[25] EN
[54] **ACTIVE BONE SCREW**
[54] **VIS D'OS ACTIVE**
[72] RICHEL SOPH, MARC E., US
[73] INTELLIGENT IMPLANT SYSTEMS, US
[85] 2011-09-07
[86] 2010-03-09 (PCT/US2010/026629)
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[30] US (12/401,311) 2009-03-10

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[13] C

[51] **Int.Cl. F24H 9/20 (2006.01) H01L 23/467 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **RADIATOR, IN PARTICULAR FOR ROOM HEATING**
[54] **RADIATEUR, EN PARTICULIER POUR CHAUFFAGE DE PIECE**
[72] PETERLE, MICHELE, IT
[72] ARGENTON, MARCO, IT
[73] I.R.C.A. S.P.A. INDUSTRIA RESISTENZE CORAZZATE E AFFINI, IT
[85] 2011-09-08
[86] 2010-03-10 (PCT/IB2010/051030)
[87] (WO2010/103468)
[30] IT (RM2009A000106) 2009-03-10

[11] **2,754,940**
[13] C

[51] **Int.Cl. B64F 5/10 (2017.01) B05B 13/04 (2006.01) B05B 15/12 (2006.01) B25J 5/02 (2006.01)**
[25] EN
[54] **AUTOMATED WING PAINTING SYSTEM**
[54] **SYSTEME AUTOMATISE DE PEINTURE D'AILE**
[72] SWANBERG, JEFFERY P., US
[72] BREWER, KENNETH R., US
[72] KAKALECIK, STEVEN J., US
[72] DUNHAM, CODY S., US
[72] STOUFFER, ROBERT J., US
[72] DEROUIN, MARTIN F., US
[73] THE BOEING COMPANY, US
[85] 2011-09-09
[86] 2010-03-10 (PCT/US2010/026855)
[87] (WO2010/104972)
[30] US (12/403,956) 2009-03-13

[11] **2,755,928**
[13] C

[51] **Int.Cl. C07D 271/06 (2006.01) A61K 31/4245 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **OXADIAZOLE DERIVATIVES**
[54] **DERIVES D'OXADIAZOLE**
[72] QUATTROPANI, ANNA, CH
[72] MONTAGNE, CYRIL, FR
[72] SAUER, WOLFGANG, CH
[72] CROSIGNANI, STEFANO, FR
[72] BOMBRUN, AGNES, CH
[73] MERCK SERONO S.A., CH
[85] 2011-09-19
[86] 2010-03-29 (PCT/EP2010/054103)
[87] (WO2010/112461)
[30] EP (09157301.4) 2009-04-03
[30] US (61/169,773) 2009-04-16

[11] **2,756,340**
[13] C

[51] **Int.Cl. A61K 35/413 (2015.01) A61P 31/14 (2006.01)**
[25] EN
[54] **BEAR BILE EXTRACT AND PREPARATION METHOD AND USE THEREOF**
[54] **EXTRAIT DE BILE D'OURS, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] WANG, XIJUN, CN
[72] WU, XIUHONG, CN
[72] SUN, HUI, CN
[72] SUN, WENJUN, CN
[73] HEILONGJIANG GAP (GOOD AGRICULTURE PRACTICE) RESEARCH CENTER, CN
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[86] 2009-12-10 (PCT/CN2009/001415)
[87] (WO2010/121404)
[30] CN (200910082557.3) 2009-04-24

[11] **2,756,393**
[13] C

[51] **Int.Cl. C07K 16/30 (2006.01)**
[25] EN
[54] **ANTI-MESOTHELIN ANTIBODIES**
[54] **ANTICORPS ANTI-MESOTHELIN**
[72] HO, MITCHELL, US
[72] PASTAN, IRA, 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] 2011-09-22
[86] 2010-03-23 (PCT/US2010/028336)
[87] (WO2010/111282)
[30] US (61/162,778) 2009-03-24

[11] **2,756,613**
[13] C

[51] **Int.Cl. C01B 3/34 (2006.01) C01B 3/02 (2006.01)**
[25] FR
[54] **PROCESS FOR PRODUCING HYDROGEN BY STEAM REFORMING OF A HYDROCARBON CUT WITH OPTIMIZED PRODUCTION OF STEAM**
[54] **PROCEDE DE PRODUCTION D'HYDROGENE PAR VAPOREFORMAGE D'UNE COUPE PETROLIERE AVEC PRODUCTION DE VAPEUR OPTIMISEE**
[72] FISCHER, BEATRICE, FR
[72] GIROUDIERE, FABRICE, FR
[73] IFP ENERGIES NOUVELLES, FR
[86] (2756613)
[87] (2756613)
[22] 2011-10-24
[30] FR (10/04.242) 2010-10-28

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[13] C

[51] **Int.Cl. A61K 33/06 (2006.01) A61K 31/191 (2006.01) A61K 31/194 (2006.01) A61K 31/7004 (2006.01) A61K 33/10 (2006.01) A61K 33/14 (2006.01) A61K 33/20 (2006.01) A61K 33/42 (2006.01) A61P 7/08 (2006.01)**

[25] EN

[54] **A MULTIPART FLUID SYSTEM AND A SYSTEM FOR REGIONAL CITRATE ANTICOAGULATION IN AN EXTRACORPOREAL BLOOD CIRCUIT**

[54] **CIRCUIT DE FLUIDES A PLUSIEURS PARTIES ET SYSTEME D'ANTICOAGULATION LOCALE A BASE DE CITRATE DANS UN CIRCUIT EXTRACORPOREAL**

[72] STERNBY, JAN, SE

[73] GAMBRO LUNDIA AB, SE

[85] 2011-09-28

[86] 2010-03-31 (PCT/EP2010/054267)

[87] (WO2010/112538)

[30] SE (0900422-7) 2009-03-31

[30] US (61/164,922) 2009-03-31

[11] **2,757,192**
[13] C

[51] **Int.Cl. G01N 21/31 (2006.01) G01N 21/359 (2014.01)**

[25] EN

[54] **SPECTROSCOPY HAVING CORRECTION FOR BROADBAND DISTORTION FOR ANALYZING MULTI-COMPONENT SAMPLES**

[54] **SPECTROSCOPIE AYANT UNE CORRECTION DE LA DISTORSION A LARGE BANDE POUR ANALYSER DES ECHANTILLONS MULTICOMPOSANTS**

[72] HARAN, FRANK M., CA

[72] DREES, REENA MEIJER, CA

[72] TIXIER, SEBASTIEN, CA

[73] HONEYWELL ASCA, INC., CA

[85] 2011-09-29

[86] 2010-03-29 (PCT/CA2010/000477)

[87] (WO2010/111780)

[30] US (12/413,666) 2009-03-30

[11] **2,758,623**
[13] C

[51] **Int.Cl. B42D 25/36 (2014.01) B82Y 20/00 (2011.01) B42D 25/324 (2014.01) G02F 1/01 (2006.01)**

[25] EN

[54] **SECURITY DEVICE**

[54] **DISPOSITIF DE SECURITE**

[72] WHITEMAN, ROBERT, GB

[72] EASTELL, CHRISTOPHER JOHN, GB

[73] DE LA RUE INTERNATIONAL LIMITED, GB

[85] 2011-10-13

[86] 2010-04-13 (PCT/GB2010/000746)

[87] (WO2010/119247)

[30] GB (0906366.0) 2009-04-14

[11] **2,759,015**
[13] C

[51] **Int.Cl. A61L 31/10 (2006.01) A61F 2/82 (2013.01) A61K 9/00 (2006.01) A61L 31/02 (2006.01) A61L 31/14 (2006.01) A61L 31/16 (2006.01) A61M 31/00 (2006.01) A61K 31/436 (2006.01)**

[25] EN

[54] **STENTS HAVING CONTROLLED ELUTION**

[54] **ENDOPROTHESES VASCULAIRES AYANT UNE ELUTION CONTROLEE**

[72] MCCLAIN, JAMES B., US

[72] TAYLOR, DOUGLAS, US

[73] MICELL TECHNOLOGIES, INC., US

[85] 2011-10-17

[86] 2010-04-16 (PCT/US2010/031470)

[87] (WO2010/121187)

[30] US (61/212,964) 2009-04-17

[30] US (61/243,955) 2009-09-18

[11] **2,759,131**
[13] C

[51] **Int.Cl. C07H 19/14 (2006.01) A61K 31/7064 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **7-DEAZAPURINE NUCLEOSIDES FOR THERAPEUTIC USES**

[54] **NUCLEOSIDES DE 7-DEAZAPURINE DESTINES A DES USAGES THERAPEUTIQUES**

[72] BOURDERIOUX, AURELIE, FR

[72] HOCEK, MICHAL, CZ

[72] NAUS, PETR, CZ

[73] INSTITUTE OF ORGANIC CHEMISTRY AND BIOCHEMISTRY ASCR, V.V.I., CZ

[85] 2011-10-18

[86] 2010-04-19 (PCT/CZ2010/000050)

[87] (WO2010/121576)

[30] US (61/171,656) 2009-04-22

[11] **2,760,054**
[13] C

[51] **Int.Cl. E02F 5/10 (2006.01) E02F 5/00 (2006.01) F16L 1/16 (2006.01)**

[25] EN

[54] **GROUP AND METHOD FOR LAYING AND BURYING PIPELINES AT THE SEAFLOOR**

[54] **GRUPE ET PROCEDE POUR POSER ET ENFOURIR DES OLEODUCS SUR LE FOND MARIN**

[72] LAZZARIN, DIEGO, IT

[72] FORMENTI, MASSIMILIANO, IT

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

[85] 2011-10-21

[86] 2010-04-20 (PCT/IB2010/000871)

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[30] IT (MI2009A000689) 2009-04-23

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[13] C

[51] **Int.Cl. G05D 1/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR REMOTELY CONTROLLING A MATERIALS HANDLING VEHICLE**
[54] **APPAREIL DE TELECOMMANDE D'UN VEHICULE DE MANUTENTION**
[72] PULSKAMP, STEVEN R., US
[72] DUES, JEFFRY D., US
[72] GREEN, MATTHEW M., US
[72] HORVATH, EUGENE P., US
[72] SCHLOEMER, JAMES F., US
[72] SIEFRING, VERNON W., US
[72] SNODGRASS, RYAN M., US
[72] WERSHING, JESSE, US
[73] CROWN EQUIPMENT CORPORATION, US
[85] 2011-12-12
[86] 2009-12-30 (PCT/US2009/069839)
[87] (WO2011/002478)
[30] US (61/222,632) 2009-07-02
[30] US (61/234,866) 2009-08-18

[11] **2,765,934**
[13] C

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[54] **PROCEDE POUR PRODUIRE DES PRODUITS COMPOSITES FIBRE DE BOIS-MATIERES PLASTIQUES**
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[72] FERNYHOUGH, ALAN, NZ
[73] NEW ZEALAND FOREST RESEARCH INSTITUTE LIMITED, NZ
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[54] **APPAREIL DE SOLlicitATION A UTILISER AVEC DES ACTIONNEURS**
[72] GETHMANN, DOUGLAS PAUL, US
[72] HALM, DAVID GEORGE, US
[72] ARNOLD, DAVID ANTHONY, US
[73] FISHER CONTROLS INTERNATIONAL LLC, US
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[54] **DISPOSITIF D'AIDE AU VISIONNEMENT D'IMAGES MEDICALES POUR CHIRURGIEN**
[72] KING, TIMOTHY, US
[73] KARL STORZ IMAGING, INC., US
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[54] **NOUVEAUX CONJUGUES, LEUR PREPARATION ET LEUR APPLICATION EN THERAPEUTIQUE**
[72] BOUCHARD, HERVE, FR
[72] BRUN, MARIE-PRISCILLE, FR
[72] COMMERCON, ALAIN, FR
[72] ZHANG, JIDONG, FR
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[54] **INTERMEDIATES AND PROCESSES FOR THE PREPARATION OF 4-(ACETYLAMINO))-3-[(4-CHLORO-PHENYL)THIO]-2-METHYL-1H-INDOLE-1-ACETIC ACID**
[54] **INTERMEDIAIRES ET PROCEDES DE PREPARATION D'ACIDE 4-(ACETYLAMINO))-3-[(4-CHLORO-PHENYL)THIO]-2-METHYL-1H-INDOLE-1-ACETIQUE**
[72] AINGE, DEBRA, GB
[72] BUTTERS, MICHAEL, GB
[72] MERIFIELD, ERIC, GB
[72] RAMAKRISHNAN, RAVI, IN
[72] RAYAPATI, RAVI NAIDU, IN
[72] SHARMA, PARHALAD RAY, IN
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[54] **REFORMER-GAS-BASED REDUCTION PROCESS WITH DECARBONIZATION OF THE FUEL GAS FOR THE REFORMER**
[54] **PROCEDE DE REDUCTION FAISANT APPEL A UN GAZ REFORME AVEC RECYCLAGE DES EFFLUENTS GAZEUX ISSUS DE LA REDUCTION ET DECARBONISATION DE LA PARTIE DES EFFLUENTS GAZEUX UTILISEE COMME GAZ DE COMBUSTION POUR LE REFORMEUR**
[72] MILLNER, ROBERT, AT
[72] PEER, GUENTER, AT
[73] PRIMETALS TECHNOLOGIES AUSTRIA GMBH, AT
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[54] **SYSTEM AND METHOD FOR MANAGING ENTITLEMENTS TO DATA OVER A NETWORK**
[54] **SYSTEME ET PROCEDE DE GESTION DE DROITS A DES DONNEES SUR UN RESEAU**
[72] DILLON, MICHAEL, US
[72] STERN, PETER, US
[72] PUTSCH, JON, US
[72] MEYERS, MATTHEW, US
[73] TIME WARNER CABLE ENTERPRISES LLC, US
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[54] **TEST ET/OU ENTRAINEMENT DE VISION UNIFIEE**
[72] YOO, HERB, US
[72] REICHOW, ALAN W., US
[72] BROWN, JONATHAN, US
[72] COULTER, RYAN C., US
[73] NIKE INNOVATE C.V., US
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[54] **ANTAGONISTES DE GLUCAGON**
[72] GOMEZ-GALENO, JORGE E., US
[72] HECKER, SCOTT J., US
[72] DANG, QUN, US
[72] REDDY, MALI VENKAT, US
[72] SUN, ZHILI, US
[72] GROTE, MATTHEW P., US
[72] NGUYEN, THANH HUU, US
[72] LEMUS, ROBERT HUERTA, US
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[25] EN
[54] **DEVICES AND METHODS FOR USING CONTROLLED BUBBLE FRACTIONATING URINARY STONES**
[54] **DISPOSITIFS ET PROCEDES D'UTILISATION DE CAVITATION COMMANDEE A NUAGE DE BULLES DANS LE FRACTIONNEMENT DE CALCULS URINAIRES**
[72] CAIN, CHARLES A., US
[72] HALL, TIMOTHY L., US
[72] ROBERTS, WILLIAM W., US
[72] XU, ZHEN, US
[72] FOWLKES, J. BRIAN, US
[72] DAVISON, THOMAS W., US
[73] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US
[73] HISTOSONICS, INC., US
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[72] ATKINS, NICHOLAS, GB
[72] CLARKE, TIM, GB
[72] SPALDING, CRAIG, GB
[72] HARE, DAVID, GB
[73] RUBBERATKINS LIMITED, GB
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[54] **CONVEYOR FASTENING TOOL**
[54] **OUTIL DE FIXATION DE COURROIE TRANSPORTEUSE**
[72] BOUCHER, YVES, CA
[72] CORRIVEAU, ANDRE, BS
[72] DRAPEAU, RICHARD, CA
[73] LIPPERT INTERNATIONAL INC., BS
[85] 2012-03-15
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[54] **CONVEYOR LOCKING CLIP AND METHOD OF RELEASABLY INTERLOCKING CONVEYOR LOOP FASTENERS**
[54] **AGRAFE DE VERROUILLAGE DE COURROIE TRANSPORTEUSE ET PROCEDE DE VERROUILLAGE MUTUEL LIBERABLE D'ELEMENTS DE FIXATION DE BOUCLE DE COURROIE TRANSPORTEUSE**
[72] BOUCHER, YVES, CA
[72] CORRIVEAU, ANDRE, BS
[72] DRAPEAU, RICHARD, CA
[73] LIPPERT INTERNATIONAL INC., BS
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[25] EN
[54] **USER INTERFACE FOR DEFINING ACCOUNT DIMENSION COMBINATIONS**
[54] **INTERFACE UTILISATEUR PERMETTANT DE DEFINIR DES COMBINAISONS DE DIMENSIONS DE COMPTES**
[72] NELSON, KIMBERLY A., US
[72] FRANSEN, WILLIAM L., US
[72] GILSON, CRYSTAL, US
[72] HONEYMAN, KEVIN M., US
[72] LANNOYE, DAVID J., US
[72] MULLENBERG, KAREN D., US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
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[54] **A METHOD FOR DIAGNOSING PRIMARY BILIARY CIRRHOSIS (PBC) USING NOVEL AUTOANTIGENS**
[54] **METHODE DE DIAGNOSTIC D'UNE CIRRHOSE BILIAIRE PRIMITIVE AU MOYEN DE NOUVEAUX AUTO-ANTIGENES**
[72] LIM, MARK J., US
[72] OSTENDORFF, HEATHER P., US
[72] ROTHSCHILD, KENNETH J., US
[72] BLOCH, DONALD B., US
[73] AMBERGEN, INC., US
[73] MASSACHUSETTS GENERAL HOSPITAL, US
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[13] C

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[54] **PARTICULATE MATERIAL MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE DE MATIERE PARTICULAIRE**
[72] HASKINS, JAMES H., US
[73] HASKINS, JAMES H., US
[86] (2777048)
[87] (2777048)
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[25] EN
[54] **A COMMUNICATIONS SYSTEM UTILIZING ORTHOGONAL LINEAR FREQUENCY MODULATED WAVEFORMS**
[54] **SYSTEME DE COMMUNICATION FAISANT INTERVENIR DES FORMES D'ONDES MODULEES EN FREQUENCE LINEAIRE ORTHOGONALE**
[72] FANSON, JOHN, CA
[73] THALES CANADA INC., CA
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[54] **AMPLIFICATION PRIMERS WITH NON-STANDARD BASES FOR INCREASED REACTION SPECIFICITY**
[54] **AMORCES D'AMPLIFICATION AVEC DES BASES NON-STANDARD AYANT UNE SPECIFICITE DE REACTION AUGMENTEE**
[72] JOHNSON, SCOTT, US
[72] RAMASUBRAMANIAN, T.S., US
[72] ENGELBRECHT, KATHLEEN, US
[73] LUMINEX CORPORATION, US
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[54] **PORTE PANORAMIQUE COULISSANTE ETANCHE**
[72] LABRECQUE, NORMAND, CA
[73] GROUPE LESSARD INC., CA
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[54] **FOULING DETECTION SETUP AND METHOD TO DETECT FOULING**
[54] **INSTALLATION DE DETECTION D'ENCRASSEMENT ET PROCEDE DE DETECTION D'ENCRASSEMENT**
[72] CAUSSIN DE SCHNECK, CLAUDIA, DE
[72] FORSTER, HARTMUT, DE
[72] HELMINGER, KARL, DE
[72] KRACK, RALF, DE
[72] NAJMAN, ROBERT, DE
[73] ECOLAB INC., US
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[54] **PROCESS FOR PREPARING ENTECAVIR AND ITS INTERMEDIATES**
[54] **PROCEDE DE PREPARATION DE L'ENTECAVIR ET DE SES INTERMEDIAIRES**
[72] HU, TSUNG-CHENG, TW
[72] HUANG, HUNG-TSUNG, TW
[73] SCINOPHARM TAIWAN LTD., TW
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[30] US (61/305,039) 2010-02-16
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[25] EN
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[54] **MEMBRANES COMPOSITES A BASE DE SILICONE, PRESENTANT UN EFFET DE SEPARATION ELEVE**
[72] HAENSEL, RENE, DE
[72] DOEHLER, HARDI, DE
[72] SCHWAB, PETER, DE
[72] SEIDENSTICKER, PETER, DE
[72] FERENZ, MICHAEL, DE
[72] BAUMGARTEN, GOETZ, DE
[72] LAZAR, MARINA, DE
[72] UNGERANK, MARKUS, AT
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[54] **LIGNE DE TRANSFERT POUR CHROMATOGRAPHE GAZEUX/SPECTROMETRE DE MASSE**
[72] STEINER, URS, US
[72] MUNTEAN, FELICIAN, US
[72] EGLEY, BERT D., US
[73] BRUKER DALTONICS, INC., US
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[54] **CAPUCHON D'ENDOSCOPE AVEC RAMPE**
[72] SURTI, VIHAR C., US
[73] COOK MEDICAL TECHNOLOGIES LLC, US
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[54] **GAINE D'ENDOSCOPE**
[72] SURTI, VIHAR C., US
[73] COOK MEDICAL TECHNOLOGIES LLC, US
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[25] EN
[54] **SERVICEABLE SPHERICAL JOINTS WITH WEAR-COMPENSATION FEATURES**
[54] **JOINTS SPHERIQUES REPARABLES DOTES DE CARACTERISTIQUES DE COMPENSATION D'USURE**
[72] KRAATZ, CLAYTON, CA
[73] KRAATZ, CLAYTON, CA
[86] (2784185)
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[22] 2012-07-26
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[25] EN
[54] **WORKFLOW FOR PETROPHYSICAL AND GEOPHYSICAL FORMATION EVALUATION OF WIRELINE AND LWD LOG DATA**
[54] **FLUX DE TRAVAUX POUR EVALUATION DE FORMATION PETROPHYSIQUE ET GEOPHYSIQUE DE DONNEES DE DIAGRAPHIE AU CABLE ET LWD**
[72] SKELT, CHRISTOPHER, US
[73] CHEVRON U.S.A. INC., US
[85] 2012-06-14
[86] 2010-11-19 (PCT/US2010/057420)
[87] (WO2011/075280)
[30] US (12/642,632) 2009-12-18

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[13] C

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[25] EN
[54] **SUBMERGED SURFACE-CLEANING APPARATUS PROVIDED WITH AN ACCELEROMETRIC DEVICE DETECTING GRAVITATIONAL ACCELERATION**
[54] **APPAREIL NETTOYEUR DE SURFACE IMMERGEE MUNI D'UN DISPOSITIF ACCELEROMETRIQUE DETECTANT L'ACCELERATION GRAVITATIONNELLE**
[72] MASTIO, EMMANUEL, AU
[72] MICHELON, THIERRY, FR
[73] ZODIAC POOL CARE EUROPE, FR
[85] 2012-06-15
[86] 2010-12-17 (PCT/FR2010/052799)
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[30] FR (09.06230) 2009-12-22
[30] US (61/300,545) 2010-02-02

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[13] C

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[25] FR
[54] **SUBMERGED-SURFACE-CLEANING DEVICE WITH GYRATION BY MEANS WEIGHT TRANSFER**
[54] **APPAREIL NETTOYEUR DE SURFACE IMMERGEE A GIRATION PAR CABRAGE**
[72] MASTIO, EMMANUEL, AU
[72] BLANC-TAILLEUR, PHILIPPE, FR
[72] PICHON, PHILIPPE, FR
[73] ZODIAC POOL CARE EUROPE, FR
[85] 2012-06-15
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[87] (WO2011/073598)
[30] FR (09.06141) 2009-12-18
[30] US (61/300,520) 2010-02-02
[30] FR (10.01640) 2010-04-16
[30] US (61/356,687) 2010-06-21

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[13] C

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[25] EN
[54] **SECURING EXECUTION OF COMPUTATIONAL RESOURCES**
[54] **SECURISATION DE L'EXECUTION DE RESSOURCES DE CALCUL**
[72] LARSON, BROND, US
[72] SHAPIRO, RICHARD A., US
[73] AB INITIO TECHNOLOGY LLC, US
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[13] C

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[25] EN
[54] **PROCESS FOR THE PRODUCTION OF ISOPRENOL FROM MEVALONATE EMPLOYING A DIPHOSPHOMEVALONATE DECARBOXYLASE**
[54] **PROCEDE DE PRODUCTION D'ISOPRENOL A PARTIR DE MEVALONATE FAISANT APPEL A UNE DIPHOSPHOMEVALONATE DECARBOXYLASE.**
[72] MARLIERE, PHILIPPE, FR
[72] ANISSIMOVA, MARIA, FR
[72] CHAYOT, ROMAIN, FR
[72] DELCOURT, MARC, FR
[73] SCIENTIST OF FORTUNE S.A., LU
[73] GLOBAL BIOENERGIES, FR
[85] 2012-06-20
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[54] **SAC A DOS STABLE**
[72] MAGGI, GREGORY, US
[73] C & P HIAM ASSOCIATES LLC, US
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[54] **DENTAL IMPLANT, ABUTMENT FOR A DENTAL IMPLANT AND COMBINATION THEREOF AND AN IMPLANT SET**
[54] **IMPLANT DENTAIRE, ABUTMENT POUR UN IMPLANT DENTAIRE ET COMBINAISON DES DEUX AINSI QU'UN KIT D'IMPLANTATION**
[72] SOLLBERGER, DAVID, CH
[72] SOLER, CHRISTOPH, CH
[72] SCHAER, ALEX, CH
[73] CAMLOG BIOTECHNOLOGIES AG, CH
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[25] EN
[54] **DEVICE FOR TEMPERATURE CONTROL OF A ROOM**
[54] **DISPOSITIF DE THERMOREGULATION D'UNE PIECE**
[72] GUCKERT, WERNER, DE
[72] KIPFELSBERGER, CHRISTIAN, DE
[72] MICHELS, ROBERT, DE
[72] RAUCH, SIEGFRIED, DE
[73] SGL CARBON SE, DE
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[54] **SYSTEMS AND METHOD FOR ENDOSCOPIC ANGLE-RESOLVED LOW COHERENCE INTERFEROMETRY**
[54] **SYSTEMES ET PROCEDE ENDOSCOPIQUES D'INTERFEROMETRIE A FAIBLE COHERENCE ET A RESOLUTION ANGULAIRE**
[72] WAX, ADAM, US
[72] PYHTILA, JOHN W., US
[73] DUKE UNIVERSITY, US
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[25] EN
[54] **VERIFIABLE DEVICE ASSISTED SERVICE USAGE BILLING WITH INTEGRATED ACCOUNTING, MEDIATION ACCOUNTING, AND MULTI-ACCOUNT**
[54] **FACTURATION ASSISTEE PAR DISPOSITIF DE L'UTILISATION DE SERVICES VERIFIABLES, AVEC COMPTABILITE INTEGREE, COMPTABILITE DE MEDIATION ET COMPTES MULTIPLES**
[72] RALEIGH, GREGORY G., US
[73] HEADWATER RESEARCH LLC, US
[85] 2012-07-11
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[54] **METHOD AND DEVICES FOR DETERMINING NOISE VARIANCE FOR GYROSCOPE**
[54] **METHODE ET DISPOSITIFS DE DETERMINATION DE VARIANCE DE BRUIT POUR UN GYROSCOPE**
[72] BUCHANAN, NATHAN DANIEL POZNIAK, CA
[72] OLIVER, ROBERT GEORGE, CA
[72] PARCO, ADAM LOUIS, CA
[73] BLACKBERRY LIMITED, CA
[86] (2787975)
[87] (2787975)
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[54] **USB MEMORY DEVICE**
[54] **DISPOSITIF DE MEMOIRE USB**
[72] HERSHLER, ISRAEL, IL
[73] HERSHLER, ISRAEL, IL
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[54] **RESOLUTION ADJUSTMENT OF AN IMAGE THAT INCLUDES TEXT UNDERGOING AN OCR PROCESS**
[54] **AJUSTEMENT DE LA RESOLUTION D'UNE IMAGE QUI COMPREND DU TEXTE SOUMIS A UN PROCEDE ROC**
[72] NIJEMCEVIC, DJORDJE, US
[72] VUGDELIJA, MILAN, US
[72] DRESEVIC, BODIN, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2012-08-16
[86] 2011-03-07 (PCT/US2011/027365)
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[54] **SOURCE DE HAUTE TENSION CONTINUE ET ACCELERATEUR DE PARTICULES**
[72] HEID, OLIVER, DE
[72] HUGHES, TIMOTHY, DE
[73] SIEMENS AKTIENGESELLSCHAFT, DE
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[54] **PREPARATION DE CATALYSEURS DE BLANCHIMENT**
[72] HAGE, RONALD, NL
[72] ZHANG, JIANRONG, CN
[72] ZHAO, WEI, CN
[73] CATEXEL LIMITED, GB
[85] 2012-08-29
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[54] **TONER CONTAINER AND IMAGE FORMING DEVICE**
[54] **CARTOUCHE DE TONER ET DISPOSITIF DE FORMATION D'IMAGES**
[72] TAKAMI, NOBUO, JP
[72] KIMURA, NORIYUKI, JP
[72] HORI, EISUKE, JP
[72] KIMURA, HIDEKI, JP
[72] KIKUCHI, KENJI, JP
[72] SUZUKI, YUJI, JP
[73] RICOH COMPANY, LTD., JP
[85] 2012-08-29
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[54] **IMAGE PROCESSING SYSTEM**
[54] **SYSTEME DE TRAITEMENT D'IMAGE**
[72] CALAMANTE, FERNANDO, AU
[72] TOURNIER, JACQUES-DONALD, AU
[72] CONNELLY, ALAN, AU
[72] JACKSON, GRAEME, AU
[73] BRAIN RESEARCH INSTITUTE FOUNDATION PTY LTD, AU
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[54] **CUVELAGE DE Puits**
[72] EDWARDS, JEFFREY, GB
[73] ENOVATE SYSTEMS LIMITED, GB
[85] 2012-09-06
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[54] **CHARGEUR GRANDE CAPACITE**
[72] SULLIVAN, LEROY JAMES, US
[73] ARMWEST, LLC, US
[85] 2012-09-20
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[54] **REDUCTION SELECTIVE CATALYTIQUE EFFECTUEE AU MOYEN D'UNE ELECTROLYSE D'UREE**
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[73] OHIO UNIVERSITY, US
[85] 2012-09-27
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[54] **IMMUNODOSAGE DE LA VITAMINE D LIBRE**
[72] MARTENS, MICHAEL FRANCISCUS WILHELMUS CORNELIS, NL
[72] PARSONS, GEORGE HENRY, US
[72] ROSMALEN, FRANCISCUS MARIA ANNA, NL
[72] SWINKELS, LEON MARIA JACOBUS WILHELMUS, NL
[73] FUTURE DIAGNOSTICS B.V., NL
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[25] EN
[54] **VIDEO-ENCODING METHOD AND VIDEO-ENCODING APPARATUS BASED ON ENCODING UNITS DETERMINED IN ACCORDANCE WITH A TREE STRUCTURE, AND VIDEO-DECODING METHOD AND VIDEO-DECODING APPARATUS BASED ON ENCODING UNITS DETERMINED IN ACCORDANCE WITH A TREE STRUCTURE**
[54] **PROCEDE DE CODAGE VIDEO ET APPAREIL DE CODAGE VIDEO BASES SUR DES UNITES DE CODAGE DETERMINEES SELON UNE STRUCTURE ARBORESCENTE, ET PROCEDE DE DECODAGE VIDEO ET APPAREIL DE DECODAGE VIDEO BASES SUR DES UNITES DE CODAGE DETERMINEES SELON UNE STRUCTURE ARBORESCENTE**
[72] MIN, JUNG-HYE, KR
[72] HAN, WOO-JIN, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2012-10-11
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[54] **SMOKE DETECTOR**
[54] **DETECTEUR DE FUMEE**
[72] BRIGHAM, PETER, GB
[72] HART, STUART, GB
[73] SPRUE SAFETY PRODUCTS LTD, GB
[85] 2012-10-19
[86] 2011-04-20 (PCT/GB2011/000615)
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[13] C

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[54] **CARBOHYDRATE POLYAMINE BINDERS AND MATERIALS MADE THEREWITH**
[54] **LIANTS A BASE DE GLUCIDES ET DE POLYAMINE ET MATIERES REALISEES AVEC CESLIANTS**
[72] APPELEY, CHARLES, US
[72] HAMPSON, CARL, GB
[72] MUELLER, GERT, US
[72] PACOREL, BENEDICTE, GB
[73] KNAUF INSULATION, BE
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[54] **ECRANS D'ISOLATION PELABLES POUR CABLES**
[72] HAN, SUH JOON, US
[72] LAAKSO, RAYMOND L., JR., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
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[54] **METHODE DE RATRAPAGE D'UN IMMEUBLE**

[72] WARREN, KEITH, CA

[73] WARREN, KEITH, CA

[86] (2799863)

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[11] **2,804,495**
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[54] **CHEWING GUM CONTAINING A CROSS-LINKED GELATIN MATRIX GUM BASE**

[54] **GOMME A MACHER CONTENANT UNE BASE DE GOMME DE TYPE MATRICE DE GELATINE RETICULEE**

[72] MO, XIAOQUN, US

[72] LIU, JINGPING, US

[72] TIAN, MINMIN, US

[72] HASSLER, JULIE, US

[72] GREENBERG, MICHAEL J., US

[73] WM. WRIGLEY JR. COMPANY, US

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[25] EN

[54] **APPARATUS AND METHODS FOR CONTENT MANAGEMENT AND ACCOUNT LINKING ACROSS MULTIPLE CONTENT DELIVERY NETWORKS**

[54] **APPAREIL ET PROCEDES POUR GESTION DE CONTENU ET LIAISON DE COMPTES ENTRE DE MULTIPLES RESEAUX DE FOURNITURE DE CONTENU**

[72] CRONK, GARY, US

[72] PUTSCH, JONATHAN, US

[72] BOUTILIER, JAMES, US

[72] MILLER, PAUL L., US

[72] DILLON, MICHAEL, US

[73] TIME WARNER CABLE ENTERPRISES LLC, US

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[54] **FILM-FORMING COMPOSITION FOR SOFT CAPSULES**

[54] **COMPOSITION FORMANT UN FILM POUR CAPSULES MOLLES**

[72] FUJII, TAKUMA, JP

[72] NAGURA, MASANORI, JP

[72] AMEMIYA, TOHRU, JP

[73] R.P. SCHERER TECHNOLOGIES, LLC, US

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[54] **REBREATHER VEST**

[54] **VESTE DE RECYCLEUR**

[72] COWGILL, DAVID E., US

[73] BREATHEATOR VEST SYSTEMS LLC, US

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[54] **POST AND PANEL CONSTRUCTION**

[54] **STRUCTURE DE POTEAUX ET PANNEAUX**

[72] HARPER, KENNETH EDWARD CREIGHTON, CA

[73] TRINITY POST AND PANEL INC., CA

[85] 2013-02-14

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[54] **THERMALLY-ISOLATED ANCHORING SYSTEMS FOR CAVITY WALLS**

[54] **SYSTEMES D'ANCRAGE ISOLES THERMIQUEMENT POUR MURS CREUX**

[72] HOHMANN, RONALD P., JR., US

[73] MITEK HOLDINGS, INC., US

[86] (2808917)

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[54] **POWER MANAGEMENT FOR A HANDHELD MEDICAL DEVICE**

[54] **CONTROLE DE PUISSANCE POUR UN DISPOSITIF MEDICAL PORTATIF**

[72] MCKEE, MICHAEL C., US

[72] NICHOLAS, MICHAEL G., US

[72] RAMEY, BLAINE EDWARD, US

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

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[54] **DUMP TRUCK WITH OBSTACLE DETECTION MECHANISM AND METHOD FOR DETECTING OBSTACLE**

[54] **CAMION-BENNE MUNI D'UN MECANISME DE DETECTION DES OBSTACLES ET METHODE DE DETECTION DES OBSTACLES**

[72] KURIHARA, TAKESHI, JP

[72] TSUBONE, DAI, JP

[72] MACHIDA, MASAOMI, JP

[72] NAKANISHI, YUKIHIRO, JP

[72] TANUKI, TOMIKAZU, JP

[72] MITSUTA, SHINJI, JP

[72] TOJIMA, MASANORI, JP

[72] RYUMAN, MITSUHIRO, JP

[73] KOMATSU LTD., JP

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[54] **SIGNAL AND DETECTION SYSTEM FOR KEYING APPLICATIONS**

[54] **SIGNAL ET SYSTEME DE DETECTION POUR APPLICATIONS DE CODAGE**

[72] IZMAILOV, ALEXANDRE, CA

[72] ZOSIMADIS, PETER, CA

[73] SMART WAVE TECHNOLOGIES CORP., CA

[85] 2013-03-06

[86] 2011-09-09 (PCT/CA2011/001008)

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[13] C

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[54] **COATED CONDUCTOR WITH VOLTAGE STABILIZED INNER LAYER**

[54] **CONDUCTEUR REVETU AYANT UNE COUCHE INTERNE STABILISEE EN TENSION**

[72] PERSON, TIMOTHY J., US

[72] COGEN, JEFFREY M., US

[73] UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC, US

[85] 2013-03-15

[86] 2011-09-23 (PCT/US2011/052910)

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[30] US (61/388,292) 2010-09-30

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[25] EN

[54] **IMPLANT DEVICE AND TOOL RELATING TO TREATMENT OF PARANASAL SINUSES**

[54] **DISPOSITIF D'IMPLANT ET OUTIL RELATIF AU TRAITEMENT DE SINUS PARANASAUX**

[72] OLIVER, CHRISTOPHER LEE, US

[72] SCHOMER, DONALD F., US

[72] ROSS, HARRY, US

[72] CIMINO, WILLIAM W., US

[72] WILLOUGHBY, BRIAN JAMES, US

[73] SINOPSYS SURGICAL, INC., US

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[54] **BIOMASS TORREFACTION SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE DE THERMOTRANSFORMATION D'UNE BIOMASSE**

[72] TEAL, WILLIAM B., US

[72] GOBEL, RICHARD J., US

[72] JOHNSON, ANDREW, US

[73] TEAL SALES INCORPORATED, US

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[54] **AMELIORATION D'UNE CLOTURE**
[72] GALLAGHER, IAN STUART, NZ
[72] MALINS, CRAIG DAVID, NZ
[73] GALLAGHER GROUP LIMITED, NZ
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[54] **DRILLING CONTROL SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE REGULATION POUR FORAGE**
[72] RECKMANN, HANNO, DE
[72] MEYER-HEYE, BERNHARD, DE
[72] LIPPERT, TRISTAN, DE
[72] HERBIG, CHRISTIAN, DE
[73] BAKER HUGHES INCORPORATED, US
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[54] **DOWNMIX LIMITING**
[54] **LIMITATION DE MELANGE-ABAISSEMENT**
[72] WILSON, RHONDA, US
[72] WARD, MICHAEL, US
[72] VENEZIA, STEVEN, US
[72] DRESSLER, ROGER, US
[73] DOLBY LABORATORIES LICENSING CORPORATION, US
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[54] **COMBINED CAMERA AND FLASH LENS**
[54] **LENTILLE D'APPAREIL PHOTO ET DE FLASH COMBINEE**
[72] MASSER, PAUL, CA
[73] BLACKBERRY LIMITED, CA
[86] (2815389)
[87] (2815389)
[22] 2013-05-07
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[54] **RAILING SYSTEM**
[54] **SYSTEME DE BALUSTRADE**
[72] BERTATO, MAURIZIO C., CA
[73] BERTATO, MAURIZIO C., CA
[86] (2816124)
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[54] **SYSTEM AND METHOD FOR HARVESTING ENERGY SAVINGS ON A REMOTE BEVERAGE SYSTEM**
[54] **SYSTEME ET PROCEDE D'ECONOMIE D'ENERGIE SUR UN SYSTEME DE DISTRIBUTION DE BOISSON A DISTANCE**
[72] BROWN, JAMES WALLACE, US
[72] SPRINKLE, AARON CHARLES, US
[72] MORROW, JAMES R., US
[73] MANITOWOC FOODSERVICE COMPANIES, LLC, US
[85] 2013-03-22
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[54] **ORAL CARE APPLICATOR**
[54] **APPLICATEUR DE SOINS ORAUX**
[72] RAJAIAH, JAYANTH, US
[72] ROETKER, CONNIE MARIE, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2013-04-26
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[54] **DISQUE DESTINE A UN TAMIS A DISQUE**
[72] DAVIS, ROBERT M., US
[73] CP MANUFACTURING, INC., US
[85] 2013-05-09
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[54] **APPARATUS AND METHOD FOR POSITIONING FLEXIBLE TUBING IN ALIGNMENT WITH VEHICLE EXHAUST PIPE**
[54] **APPAREIL ET PROCEDE DE POSITIONNEMENT DE TUBE FLEXIBLE EN ALIGNEMENT AVEC LE TUYAU D'ECHAPPEMENT D'UN VEHICULE**
[72] KRAMER, VANCE M., US
[72] ALTSTAETTER, JACOB D., US
[73] CRUSHPROOF TUBING COMPANY, US
[86] (2817603)
[87] (2817603)
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[54] **STRONG BASE AMINES TO MINIMIZE CORROSION IN SYSTEMS PRONE TO FORM CORROSIVE SALTS**

[54] **UTILISATION D'AMINES FORTES POUR REDUIRE LA CORROSION DANS DES SYSTEMES AYANT TENDANCE A FORMER DES SELS CORROSIFS**

[72] LACK, JOEL E., US

[73] BAKER HUGHES INCORPORATED, US

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[54] **ORGANIC SILVER COMPLEXES, THEIR PREPARATION METHODS AND THEIR METHODS FOR FORMING THIN LAYERS**

[54] **COMPLEXES CONTENANT DE L'ARGENT ORGANIQUE, PROCEDES DE PREPARATION ASSOCIES ET PROCEDES POUR FORMER DES COUCHES MINCES**

[72] CHUNG, KWANG-CHOON, KR

[72] CHO, HYUN-NAM, KR

[72] GONG, MYOUNG-SEON, KR

[72] HAN, YI-SUP, KR

[72] PARK, JEONG-BIN, KR

[72] NAM, DONG HUN, KR

[72] UHM, SEONG-YONG, KR

[72] SEO, YOUNG-KWAN, KR

[73] INKTEC CO., LTD., KR

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[87] (2817918)

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[54] **MANAGING SHORT RANGE WIRELESS DATA TRANSMISSIONS**

[54] **GESTION DE TRANSMISSIONS DE DONNEES SANS FIL A COURTE PORTEE**

[72] FYKE, STEVEN, CA

[73] BLACKBERRY LIMITED, CA

[85] 2013-05-23

[86] 2011-11-23 (PCT/IB2011/003024)

[87] (WO2012/069924)

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[54] **RECEIVING DEVICE AND METHOD FOR RECEIVING MULTIVIEW THREE-DIMENSIONAL BROADCAST SIGNAL**

[54] **DISPOSITIF ET PROCEDE DE RECEPTION DE SIGNAL DE DIFFUSION TRIDIMENSIONNELLE A PLUSIEURS VUES**

[72] SUH, JONGYEUL, KR

[72] CHOE, JEEHYUN, KR

[73] LG ELECTRONICS INC., KR

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[54] **OXAZOLIDINIUM COMPOUNDS AND USE AS HYDRATE INHIBITORS**

[54] **COMPOSES D'OXAZOLIDINIUM ET UTILISATION EN TANT QU'INHIBITEURS D'HYDRATE**

[72] RIVERS, GORDON T., US

[72] TIAN, JUN, US

[72] HACKEROTT, JAMES A., US

[73] BAKER HUGHES INCORPORATED, US

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[54] **METHOD AND APPARATUS FOR NETWORK MANAGEMENT USING PERIODIC MEASUREMENTS OF INDICATORS**

[54] **PROCEDE ET SYSTEME DE GESTION DE RESEAU UTILISANT DES MESURES PERIODIQUES D'INDICATEURS**

[72] KWAK, JOSEPH, US

[73] INTEL CORPORATION, US

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[54] **LEAFHOPPER ECDYSONE RECEPTOR NUCLEIC ACIDS, POLYPEPTIDES, AND USES THEREOF**

[54] **ACIDES NUCLEIQUES DU RECEPTEUR A L'ECDYSONE DE LA CICADELLE, POLYPEPTIDES, ET UTILISATION DE CEUX-CI**

[72] PALLI, SUBBA REDDY, US

[73] INTREXON CORPORATION, US

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[54] **CONNECTION ASSEMBLY FOR A BASE AND A CABINET ASSEMBLY FOR AN ICE MAKER**

[54] **ENSEMBLE DE CONNEXION POUR UN ENSEMBLE BASE ET ARMOIRE POUR UNE MACHINE A GLACONS**

[72] MEYERS, JOHN P., US

[72] CAYEMBERG, CURT R., US

[72] PETERSEN, DEAN M., US

[72] GIEBEL, MARK P., US

[73] MANITOWOC FOODSERVICE COMPANIES, LLC, US

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[54] **METHOD OF PROVIDING ASSISTANCE TO THE END-USER OF A SOFTWARE APPLICATION**

[54] **PROCEDE PERMETTANT DE FOURNIR UNE AIDE A UN UTILISATEUR FINAL D'UNE APPLICATION LOGICIELLE**

[72] SAVORNIN, RICHARD, FR

[72] GRANDMANGE, ALEXIS, FR

[72] GASTALDI, CHRISTIAN, FR

[73] AMADEUS S.A.S., FR

[85] 2013-06-12

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[54] **FORM FOR MAKING STRUCTURES**

[54] **FORME POUR FABRICATION DE STRUCTURES**

[72] SWINK, GERY, US

[72] MEHAFFEY, KENNETH LEE, US

[72] BRAFFORD, RALPH, US

[73] ABT FOAM, LLC, US

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[54] **FILTRAGE DE DEBLOCAGE**

[72] NORKIN, ANDREY, SE

[72] ANDERSSON, KENNETH, SE

[72] SJOBERG, RICKARD, SE

[73] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL), SE

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[54] **METHODS OF REMOVING CONTAMINANTS FROM A HYDROCARBON STREAM BY SWING ADSORPTION AND RELATED APPARATUS AND SYSTEMS**

[54] **PROCEDES D'ELIMINATION DE CONTAMINANTS DE COURANT D'HYDROCARBURES PAR ADSORPTION MODULEE ET APPAREIL ET SYSTEMES S'Y RAPPORTANT**

[72] DECKMAN, HARRY W., US

[72] JOHNSON, ROBERT A., US

[72] TAMMERA, ROBERT F., US

[72] ANDERSON, THOMAS N., US

[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US

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[54] **SYSTEM AND METHOD FOR USING AN ARTIFICIAL NEURAL NETWORK TO SIMULATE PIPE HYDRAULICS IN A RESERVOIR SIMULATOR**

[54] **SYSTEME ET PROCEDE PERMETTANT D'UTILISER UN RESEAU DE NEURONES ARTIFICIEL POUR SIMULER L'HYDRAULIQUE DES CONDUITES DANS UN SIMULATEUR DE RESERVOIR**

[72] FLEMING, GRAHAM, US

[72] WONG, TERRY, US

[73] LANDMARK GRAPHICS CORPORATION, US

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[54] **POSITION MAKE-UP INDICATOR SYSTEM**
[54] **SYSTEME INDICATEUR DE BLOCAGE DE POSITION**
[72] RIVERO, GERMAN JOSE, US
[72] DUNN, THOMAS E., JR., US
[72] PARKER, CLAUDIE WAYNE, US
[73] HUNTING ENERGY SERVICES, INC., US
[85] 2013-07-26
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[54] **MESURE DE PERTES DE GAZ AU NIVEAU D'UN SYSTEME DE CIRCULATION DE SURFACE D'UN APPAREIL DE FORAGE**
[72] BRUMBOIU, AUREL, CA
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2013-09-13
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[54] **METHOD AND ROTARY WING AIRCRAFT EQUIPPED WITH THREE ENGINES**
[54] **PROCEDE ET AERONEF A VOILURE TOURNANTE MUNI DE TROIS MOTEURS**
[72] GOMEZ, NAYIBE, FR
[73] AIRBUS HELICOPTERS, FR
[86] (2831706)
[87] (2831706)
[22] 2013-10-29
[30] FR (12 03181) 2012-11-26

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[13] C

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[54] **SYSTEM AND METHOD FOR BATCH EVALUATION PROGRAMS**
[54] **SYSTEME ET METHODE POUR PROGRAMMES D'EVALUATION EN LOT**
[72] MARINELLI, EUGENE E., III, US
[72] NAMARA, YOGA, US
[73] PALANTIR TECHNOLOGIES, INC., US
[86] (2829266)
[87] (2829266)
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[30] US (13/657,656) 2012-10-22

[11] **2,830,985**
[13] C

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[25] EN
[54] **COMPUTING AND REPORTING LATENCY IN PRIORITY QUEUES**
[54] **TEMPS DE LATENCE DE CALCUL ET DE RAPPORT DE MESURE DANS LES FILES D'ATTENTE DE PRIORITE**
[72] HUEY, MICHAEL G., US
[72] HARRIS, JAMES R., US
[72] WAGNER, JOSHUA R., US
[72] BODDUPALLI, HARI K., US
[73] ARRIS ENTERPRISES LLC, US
[86] (2830985)
[87] (2830985)
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[30] US (14/062,143) 2013-10-24

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[25] EN
[54] **PROVIDING MOBILE-GUIDED DOWNLINK INTERFERENCE MANAGEMENT**
[54] **FOURNITURE DE GESTION DE BROUILLAGE DE LIAISON DESCENDANTE GUIDEE PAR MOBILE**
[72] EARNSHAW, ANDREW MARK, CA
[72] JIN, XIN, CA
[72] WENG, JIANFENG, CA
[73] BLACKBERRY LIMITED, CA
[85] 2013-07-19
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[54] **COMPUTERIZED VEHICLE MAINTENANCE MANAGEMENT SYSTEM WITH EMBEDDED STOCHASTIC MODELLING**
[54] **SYSTEME INFORMATISE DE GESTION D'ENTRETIEN DE VEHICULE AVEC MODELISATION STOCHASTIQUE INTEGREE**
[72] HO, KENTON, CA
[73] BRIGHTORDER IP INC., CA
[86] (2829531)
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[54] **MINE POWER MANAGEMENT SYSTEM**

[54] **SYSTEME DE GESTION DE L'ENERGIE POUR L'EXPLOITATION MINIERE**

[72] TOJIMA, MASANORI, JP

[72] YAMASHITA, KOUICHI, JP

[72] SUDOU, TSUGIO, JP

[72] TAKEDA, KOJI, JP

[72] NAGAI, TAKAO, JP

[72] KAJINO, KATSUHIRO, JP

[72] YANAGIDA, YASUHIRO, JP

[72] SUZUKI, YASUYUKI, JP

[73] KOMATSU LTD., JP

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[54] **VOLUMETRIC GRAFTS FOR TREATMENT OF FISTULAE AND RELATED METHODS AND SYSTEMS**

[54] **GREFFES A ADEQUATION VOLUMETRIQUE POUR TRAITEMENT DE FISTULES, METHODES ET SYSTEMES**

[72] OBERMILLER, F. JOSEPH, US

[72] HILES, MICHAEL C., US

[72] GRAHAM, MATTHEW R., US

[72] FETTE, CLAY D., US

[73] COOK BIOTECH INCORPORATED, US

[86] (2833585)

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[11] **2,833,903**
[13] C

[51] **Int.Cl. C25C 3/06 (2006.01) C25C 7/06 (2006.01)**

[25] EN

[54] **DRY CELL START-UP OF AN ELECTROLYTIC CELL FOR ALUMINUM PRODUCTION**

[54] **DEMARRAGE DE PILE SECHE DE CELLULE ELECTROLYTIQUE POUR LA PRODUCTION D'ALUMINIUM**

[72] CAYOUILLE, ROBERT, CA

[72] LAPLANTE, FRANCOIS, CA

[73] RIO TINTO ALCAN INTERNATIONAL LIMITED, CA

[85] 2013-10-22

[86] 2012-05-18 (PCT/CA2012/000474)

[87] (WO2012/174641)

[30] CA (2741112) 2011-05-25

[11] **2,834,431**
[13] C

[51] **Int.Cl. F16H 7/12 (2006.01)**

[25] EN

[54] **AUTO-TENSIONER**

[54] **TENDEUR AUTOMATIQUE**

[72] YONEDA, TETSUO, JP

[72] IMAI, KATSUYA, JP

[73] MITSUBOSHI BELTING LTD., JP

[85] 2013-10-25

[86] 2012-04-27 (PCT/JP2012/061467)

[87] (WO2012/147957)

[30] JP (2011-100826) 2011-04-28

[30] JP (2012-052991) 2012-03-09

[11] **2,834,822**
[13] C

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

[25] EN

[54] **DEVICE AND METHOD FOR DIRECTIONAL DRILLING**

[54] **DISPOSITIF ET PROCEDE DE FORAGE DEVIE**

[72] KVALVIK, TORE, NO

[73] 2TD DRILLING AS, NO

[85] 2013-10-31

[86] 2012-05-11 (PCT/EP2012/058758)

[87] (WO2012/152914)

[30] NO (20110710) 2011-05-12

[11] **2,835,252**
[13] C

[51] **Int.Cl. F16L 37/107 (2006.01) F16L 37/248 (2006.01)**

[25] EN

[54] **BAYONET FASTENING**

[54] **FERMETURE A BAIONNETTE**

[72] BREYER, MARKUS, DE

[73] GEORG FISCHER JRG AG, CH

[85] 2013-11-06

[86] 2012-05-04 (PCT/EP2012/058174)

[87] (WO2012/156210)

[30] EP (11165978.5) 2011-05-13

[11] **2,835,580**
[13] C

[51] **Int.Cl. E05D 15/06 (2006.01) E06B 3/46 (2006.01)**

[25] EN

[54] **LIFT ADJUST SLIDING DOOR ROLLER**

[54] **ROULETTE DE PORTE COULISSANTE REGLABLE EN HAUTEUR**

[72] TIDWELL, DRANNAN, US

[73] MILGARD MANUFACTURING INCORPORATED, US

[86] (2835580)

[87] (2835580)

[22] 2013-12-04

[30] US (61/733,418) 2012-12-04

[30] US (13/725,596) 2012-12-21

[11] **2,837,256**
[13] C

[51] **Int.Cl. H05B 37/02 (2006.01) F21S 4/00 (2016.01) F21S 10/06 (2006.01) F21V 23/00 (2015.01) H02J 7/00 (2006.01) F21K 9/00 (2016.01)**

[25] EN

[54] **DECORATIVE LIGHTING SUPPLIED BY BATTERY-BOOST**

[54] **ECLAIRAGE DECORATIF ALIMENTE PAR SURVOLTEUR A ACCUMULATEUR**

[72] ZHANG, XIUHONG, CN

[72] ZHANG, GUOQUANG, CN

[73] ZHANG, XIUHONG, CN

[73] QU, FENG, CN

[85] 2013-11-25

[86] 2011-11-28 (PCT/CN2011/083089)

[87] (WO2012/159431)

[30] CN (201120169207.3) 2011-05-25

[30] CN (201110275296.4) 2011-09-16

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[11] **2,837,830**
[13] C

[51] **Int.Cl. A01D 45/26 (2006.01)**
[25] EN
[54] **DECORING MECHANISM WITH MECHANIZED HARVESTER**
[54] **RECOLTEUSE MECANISEE POURVUE D'UN MECANISME DE TRANCHAGE DE TROGNON**

[72] ALBARRAN, SERAFIN, US
[72] ALBARRAN, DANIEL, US
[72] ALEJO, JORGE, US
[72] BARAJAS, IGNACIO, US
[72] BASCOU, RICHARD, US
[72] CASTILLO, DENNIS J., US
[72] CORRAL, MAXIMINO, US
[72] FRANS, WHIT, US
[72] DAVIS, FRANK E., US
[72] JENS, STEPHEN C., US
[72] MACHUCA, RAUL, US
[72] MAGANA, MANUEL, US
[72] MEZA, CARLOS, US
[72] VILLASENOR, GABRIEL, US
[72] YOUNG, TERRY, US
[73] DOLE FRESH VEGETABLES, INC., US
[85] 2013-11-29
[86] 2011-10-26 (PCT/US2011/057917)
[87] (WO2012/170065)
[30] US (13/158,276) 2011-06-10

[11] **2,840,587**
[13] C

[51] **Int.Cl. H04N 19/103 (2014.01) H04N 19/14 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CODING VIDEO AND METHOD AND APPARATUS FOR DECODING VIDEO, ACCOMPANIED WITH INTRA PREDICTION**
[54] **METHODE ET APPAREIL DE CODAGE DE VIDEO ET METHODE ET APPAREIL DE DECODAGE DE VIDEO ACCOMPAGNE D'INTRA-PREDICTION**

[72] SEREGIN, VADIM, KR
[72] KIM, IL-KOO, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2013-12-27
[86] 2012-06-27 (PCT/KR2012/005088)
[87] (WO2013/002556)
[30] US (61/501,974) 2011-06-28

[11] **2,841,592**
[13] C

[51] **Int.Cl. B64D 29/08 (2006.01) B64C 1/14 (2006.01) B64C 7/02 (2006.01)**
[25] EN
[54] **AIRCRAFT NACELLE ASSEMBLIES**
[54] **ENSEMBLES POUR NACELES D'AERONEF**

[72] POPESCU, ALEXANDRU VLAD, US
[72] LEGER, DANIEL LYNN, US
[72] PARHAM, DEAN LEON, US
[73] THE BOEING COMPANY, US
[86] (2841592)
[87] (2841592)
[22] 2014-01-30
[30] US (13/856,284) 2013-04-03

[11] **2,841,720**
[13] C

[51] **Int.Cl. A47K 3/022 (2006.01) A47K 3/08 (2006.01) E03C 1/22 (2006.01)**
[25] EN
[54] **ACCESSIBLE BATHTUB AND DRAIN**
[54] **BAIGNOIRE ET TUYAU DE VIDANGE ACCESSIBLES**

[72] TORRES, RAYMOND C., US
[72] SLEPICKA, JASON, US
[73] AQUATIC CO., US
[86] (2841720)
[87] (2841720)
[22] 2010-04-21
[62] 2,701,293
[30] US (12/432,543) 2009-04-29

[11] **2,842,425**
[13] C

[51] **Int.Cl. F16L 25/00 (2006.01) E21B 17/02 (2006.01) F16L 25/01 (2006.01) H01B 11/18 (2006.01) H01R 4/64 (2006.01) H05B 6/52 (2006.01)**
[25] EN
[54] **TRANSMISSION LINE SEGMENT COUPLER DEFINING FLUID PASSAGE WAYS AND RELATED METHODS**
[54] **RACCORD DE SEGMENT DE LIGNE DE TRANSMISSION DEFINISSANT DES PARCOURS DE PASSAGE DE FLUIDE ET METHODES ASSOCIEES**

[72] DITTMER, TIM, US
[72] HANN, MURRAY, US
[72] HEWIT, RAYMOND, US
[72] WRIGHT, BRIAN, US
[73] HARRIS CORPORATION, US
[86] (2842425)
[87] (2842425)
[22] 2014-02-06

[11] **2,843,301**
[13] C

[51] **Int.Cl. A41D 31/02 (2006.01) A41D 13/08 (2006.01) A41D 19/015 (2006.01) A41H 43/00 (2006.01) B32B 1/00 (2006.01) B32B 9/02 (2006.01)**
[25] EN
[54] **WATERPROOF TAPED GLOVE AND MITTEN WITH LAMINATED LEATHER**
[54] **GANT ET MITAINE RUBANE IMPERMEABLE AVEC CUIR STRATIFIE**

[72] RAMOS, DANIEL, US
[73] THE NORTH FACE APPAREL CORP., US
[86] (2843301)
[87] (2843301)
[22] 2014-02-14
[30] US (13/792,741) 2013-03-11

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[11] **2,843,714**
[13] C

[51] **Int.Cl. E21B 43/24 (2006.01) E21B 36/00 (2006.01) E21B 36/04 (2006.01) H05B 6/80 (2006.01)**

[25] EN

[54] **RADIO FREQUENCY ANTENNA ASSEMBLY FOR HYDROCARBON RESOURCE RECOVERY INCLUDING ADJUSTABLE SHORTING PLUG AND RELATED METHODS**

[54] **DISPOSITIF D'ANTENNE DE RADIOFREQUENCE POUR LA RECUPERATION DE RESSOURCE D'HYDROCARBURE COMPORTANT UNE FICHE COURT-CIRCUIT REGLABLE ET METHODES CONNEXES**

[72] WRIGHT, BRIAN, US
[72] HANN, MURRAY, US
[72] HEWIT, RAYMOND, US
[72] HIBNER, VERLIN A., US
[73] HARRIS CORPORATION, US
[86] (2843714)
[87] (2843714)
[22] 2014-02-21
[30] US (13/772,975) 2013-02-21

[11] **2,843,930**
[13] C

[51] **Int.Cl. B29C 53/60 (2006.01)**

[25] EN

[54] **PRESSURE TUNABLE EXPANDABLE MANDREL FOR MANUFACTURING A COMPOSITE STRUCTURE**

[54] **MANDRIN EXTENSIBLE REGLABLE EN PRESSION POUR LA FABRICATION D'UNE STRUCTURE COMPOSITE**

[72] OLDROYD, PAUL K., US
[72] HETHCOCK, JAMES D., JR., US
[72] MCNEILL, DAVID B., US
[73] BELL HELICOPTER TEXTRON INC., US
[86] (2843930)
[87] (2843930)
[22] 2014-02-21
[30] US (13/782,127) 2013-03-01

[11] **2,845,347**
[13] C

[51] **Int.Cl. E21B 43/26 (2006.01) E21B 43/12 (2006.01)**

[25] EN

[54] **MOBILE, MODULAR, ELECTRICALLY POWERED SYSTEM FOR USE IN FRACTURING UNDERGROUND FORMATIONS**

[54] **SYSTEME ELECTRIQUE MOBILE ET MODULAIRE UTILISE POUR FRACTURER DES FORMATIONS SOUTERRAINES**

[72] COLI, TODD, CA
[72] SCHELKE, ELDON, CA
[73] EVOLUTION WELL SERVICES, LLC, US
[86] (2845347)
[87] (2845347)
[22] 2012-04-10
[62] 2,773,843
[30] US (61/472,861) 2011-04-07

[11] **2,846,094**
[13] C

[51] **Int.Cl. A61N 2/02 (2006.01) A61M 31/00 (2006.01) A61N 1/40 (2006.01) A61N 2/10 (2006.01) A61N 5/10 (2006.01)**

[25] EN

[54] **APPARATUS FOR THE GENERATION OF AN ENERGY FIELD FOR THE TREATMENT OF CANCER IN BODY CAVITIES AND PARTS THAT ARE CAVITY-LIKE**

[54] **APPAREIL DE GENERATION DE CHAMP ENERGETIQUE POUR TRAITEMENT DU CANCER DANS DES CAVITES CORPORELLES ET DES PARTIES DE TYPE CAVITE**

[72] SUSEDIK, MICHAEL E., US
[72] FRANTZ, KARL M., US
[72] MCKENNA, DANIEL B., US
[72] HUISJEN, MARTIN A., US
[72] ADAMS, CAROLYN P., US
[73] ENDOMAGNETICS LIMITED, GB
[85] 2014-02-20
[86] 2012-08-21 (PCT/US2012/051763)
[87] (WO2013/032792)
[30] US (61/527,928) 2011-08-26
[30] US (61/527,973) 2011-08-26

[11] **2,846,231**
[13] C

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/505 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 487/02 (2006.01)**

[25] EN

[54] **INHIBITORS OF NEDD8-ACTIVATING ENZYME**

[54] **INHIBITEURS DE L'ENZYME ACTIVANT NEDD8**

[72] MCCARRON, ASHLEY SUE, US
[72] SELLS, TODD B., US
[72] STIRLING, MATTHEW, US
[72] STROUD, STEPHEN G., US
[73] MILLENNIUM PHARMACEUTICALS, INC., US
[85] 2014-02-21
[86] 2012-08-23 (PCT/US2012/052007)
[87] (WO2013/028832)
[30] US (61/526,830) 2011-08-24

[11] **2,847,012**
[13] C

[51] **Int.Cl. G06Q 50/10 (2012.01) G06F 19/00 (2011.01) G06Q 40/02 (2012.01) G06Q 50/16 (2012.01) G06F 21/31 (2013.01)**

[25] EN

[54] **APPLICANT SCREENING**

[54] **SELECTION DE CANDIDATS**

[72] BRITTI, MICHAEL A., US
[72] THORNLEY, ROBERT D., US
[72] SPRINGER, JOEL R., US
[72] MAUSETH, MICHAEL JON, US
[72] COLLINS, MICHAEL J., US
[73] TRANSUNION RENTAL SCREENING SOLUTIONS, INC., US
[86] (2847012)
[87] (2847012)
[22] 2006-07-24
[62] 2,633,548
[30] US (11/189,024) 2005-07-25
[30] US (11/490,616) 2006-07-21

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[11] **2,847,770**
[13] C

[51] **Int.Cl. E21B 43/40 (2006.01) C02F 1/04 (2006.01) C02F 1/42 (2006.01) C02F 1/44 (2006.01) C02F 5/00 (2006.01) E21B 43/24 (2006.01)**

[25] EN

[54] **PROCESSES FOR TREATING RESERVOIR FLUID COMPRISING MATERIAL PRODUCED FROM A HYDROCARBON CONTAINING RESERVOIR**

[54] **PROCEDES DE TRAITEMENT DE FLUIDE DE RESERVOIR COMPRENANT UN MATERIAU PROVENANT D'UN RESERVOIR CONTENANT UN HYDROCARBURE**

[72] DONALD, ANDREW, CA
[73] SUNCOR ENERGY INC., CA
[86] (2847770)
[87] (2847770)
[22] 2014-03-28
[30] US (61/936,808) 2014-02-06

[11] **2,848,537**
[13] C

[51] **Int.Cl. A47G 1/12 (2006.01) A47G 33/00 (2006.01) E04H 13/00 (2006.01)**

[25] EN

[54] **COMMEMORATIVE PLAQUE FRAME**

[54] **CADRE POUR PLAQUE COMMEMORATIVE**

[72] LITALIEN, SEBASTIEN, CA
[73] CARRIER MAUSOLEUMS CONSTRUCTION INC., CA
[86] (2848537)
[87] (2848537)
[22] 2014-04-08
[30] US (61/809,504) 2013-04-08

[11] **2,849,685**
[13] C

[51] **Int.Cl. E21B 23/00 (2006.01) E21B 17/10 (2006.01) F04B 47/06 (2006.01) F04D 13/08 (2006.01)**

[25] EN

[54] **SUBMERSIBLE PUMP STABILIZATION**

[54] **STABILISATION DE POMPE SUBMERSIBLE**

[72] WATT, ALAN, CA
[73] SUNCOR ENERGY INC., CA
[86] (2849685)
[87] (2849685)
[22] 2014-04-23
[30] US (61/815,213) 2013-04-23

[11] **2,849,888**
[13] C

[51] **Int.Cl. A41D 13/00 (2006.01) A41D 13/02 (2006.01)**

[25] EN

[54] **DISPOSABLE SAFETY GARMENT**

[54] **VETEMENT DE SECURITE JETABLE**

[72] YADAV, SUDHANSU S., US
[72] DIETERLE, MARK, US
[72] MARCUM, JOSEPH T., US
[72] THOMPSON, ELLIOTT, US
[73] QUEST ENVIRONMENTAL & SAFETY PRODUCTS, INC., US
[85] 2014-03-24
[86] 2012-09-21 (PCT/US2012/056627)
[87] (WO2013/044066)

[11] **2,849,930**
[13] C

[51] **Int.Cl. H04L 12/24 (2006.01) H04L 12/701 (2013.01)**

[25] EN

[54] **CHASSIS CONTROLLERS FOR CONVERTING UNIVERSAL FLOWS**

[54] **CONTROLEURS DE CHASSIS DESTINES A CONVERTIR DES FLUX UNIVERSELS**

[72] KOPONEN, TEEMU, US
[72] THAKKAR, PANKAJ, US
[73] NICIRA, INC., US
[85] 2014-03-24
[86] 2012-10-25 (PCT/US2012/062005)
[87] (WO2013/063330)
[30] US (61/551,425) 2011-10-25
[30] US (61/551,427) 2011-10-25
[30] US (61/577,085) 2011-12-18
[30] US (61/595,027) 2012-02-04
[30] US (61/599,941) 2012-02-17
[30] US (61/610,135) 2012-03-13
[30] US (61/647,516) 2012-05-16
[30] US (13/589,078) 2012-08-17
[30] US (13/589,077) 2012-08-17
[30] US (61/684,693) 2012-08-17

[11] **2,850,067**
[13] C

[51] **Int.Cl. B29B 11/04 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PRODUCING A THREE-DIMENSIONAL DRY FIBER PREFORM**

[54] **SYSTEME ET PROCEDE POUR PRODUIRE UNE PREFORME EN FIBRES SECHES TRIDIMENSIONNELLE**

[72] THRASH, PATRICK J., US
[72] BOGER, CHAD L., US
[72] FARRELL, MICHAEL JAMES, US
[73] THE BOEING COMPANY, US
[86] (2850067)
[87] (2850067)
[22] 2014-04-25
[30] US (13/910,857) 2013-06-05

[11] **2,850,443**
[13] C

[51] **Int.Cl. D21H 17/33 (2006.01) D21H 13/20 (2006.01) D21H 17/00 (2006.01) D21H 17/55 (2006.01) D21H 17/56 (2006.01) D21H 21/18 (2006.01) D21H 21/20 (2006.01) D21H 23/04 (2006.01)**

[25] EN

[54] **PAPER AND METHODS OF MAKING PAPER**

[54] **PAPIER ET PROCEDES DE FABRICATION DU PAPIER**

[72] LUO, YUPING, US
[72] GRIGORIEV, VLADIMIR, US
[72] LU, CHEN, US
[72] ROSENCRANCE, SCOTT, US
[73] KEMIRA OYJ, FI
[85] 2014-03-28
[86] 2012-09-26 (PCT/IB2012/002822)
[87] (WO2013/046060)
[30] US (61/541,717) 2011-09-30

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[11] **2,850,452**
[13] C

[51] **Int.Cl. H02P 27/06 (2006.01)**
[25] EN
[54] **POWER CONVERSION CONTROL DEVICE, POWER CONVERSION CONTROL METHOD, ELECTRIC MOTOR, AND VEHICLE DRIVING SYSTEM**

[54] **DISPOSITIF DE COMMANDE DE TRANSFORMATION DE PUISSANCE, PROCEDE DE COMMANDE DE TRANSFORMATION DE PUISSANCE, MOTEUR ELECTRIQUE ET SYSTEME D'ENTRAINEMENT DE VEHICULE**

[72] YOKOZUTSUMI, RYO, JP
[72] OKADA, YURUKI, JP
[72] YAMASAKI, HISANORI, JP
[72] KATO, SHO, JP
[73] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2014-03-28
[86] 2011-09-30 (PCT/JP2011/072645)
[87] (WO2013/046462)

[11] **2,851,559**
[13] C

[51] **Int.Cl. E21B 43/12 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **VARIABLE FLOW RESISTANCE FOR USE WITH A SUBTERRANEAN WELL**

[54] **SYSTEME DE RESISTANCE VARIABLE A L'ECOULEMENT A METTRE EN OEUVRE DANS UN Puits SOUTERRAIN**

[72] DYKSTRA, JASON D., US
[72] FRIPP, MICHAEL L., US
[72] ZHAO, LIANG, US
[72] FELTEN, FREDERIC, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2014-04-08
[86] 2011-11-07 (PCT/US2011/059530)
[87] (WO2013/070181)

[11] **2,851,670**
[13] C

[51] **Int.Cl. B29C 47/78 (2006.01) B29C 47/20 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR COOLING PLASTIC FILM TUBE IN BLOWN FILM PROCESS**

[54] **APPAREIL ET METHODE DE REFROIDISSEMENT D'UN TUBE DE PELLICULE PLASTIQUE DANS UN PROCEDE DE PELLICULE SOUFFLEE**

[72] BERTRAND, ANTHONY H., US
[73] POLY-AMERICA, L.P., US
[86] (2851670)
[87] (2851670)
[22] 2014-05-07
[30] US (14/244,210) 2014-04-03

[11] **2,852,209**
[13] C

[51] **Int.Cl. E21B 7/24 (2006.01) E21B 7/00 (2006.01)**
[25] EN
[54] **METHODS OF PRELOADING A SONIC DRILL HEAD AND METHODS OF DRILLING USING THE SAME**

[54] **METHODES DE PRECHARGEMENT D'UNE TETE DE FORAGE SONIQUE ET METHODE DE FORAGE ASSOCIEE**

[72] DRIVDAHL, KRISTIAN S., US
[72] ABLE, ROBERT EUGENE, US
[72] NEVENNER, TODD A., US
[72] ALTRICHTER, KENNETH CARL, US
[73] LONGYEAR TM, INC., US
[86] (2852209)
[87] (2852209)
[22] 2009-10-13
[62] 2,740,432
[30] US (12/250,894) 2008-10-14

[11] **2,852,935**
[13] C

[51] **Int.Cl. C08J 9/14 (2006.01) A62D 1/00 (2006.01) C09K 3/30 (2006.01) C09K 5/04 (2006.01) C11D 7/50 (2006.01)**
[25] EN
[54] **AZEOTROPE-LIKE COMPOSITIONS OF E-1-CHLORO-2,3,3,3-TETRAFLUOROPROPENE AND USES THEREOF**

[54] **COMPOSITIONS DE TYPE AZEOTROPE DE E-1-CHLORO-2,3,3,3-TETRAFLUOROPROPENE ET LEURS UTILISATIONS**

[72] ROBIN, MARK L., US
[73] E. I. DU PONT DE NEMOURS AND COMPANY, US
[85] 2014-04-17
[86] 2012-10-19 (PCT/US2012/060953)
[87] (WO2013/059550)
[30] US (61/549,265) 2011-10-20
[30] US (61/549,267) 2011-10-20

[11] **2,853,370**
[13] C

[51] **Int.Cl. E21B 33/128 (2006.01) E21B 33/12 (2006.01) E21B 43/10 (2006.01)**
[25] EN
[54] **ANNULAR BARRIER AND ANNULAR BARRIER SYSTEM**

[54] **BARRIERE ANNULAIRE ET SYSTEME DE BARRIERE ANNULAIRE**

[72] HALLUNDBAEK, JORGEN, DK
[72] HAZEL, PAUL, GB
[73] WELLTEC A/S, DK
[86] (2853370)
[87] (2853370)
[22] 2010-01-12
[62] 2,746,015
[30] EP (09150385.4) 2009-01-12

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[11] **2,854,256**
[13] C

[51] **Int.Cl. H04B 5/00 (2006.01) G06K 19/077 (2006.01)**
[25] EN
[54] **CONTACTLESS DATA TRANSMISSION DEVICE, SECURITY AND/OR VALUABLE DOCUMENT INCLUDING THE SAME AND METHOD FOR MANUFACTURING THE CONTACTLESS DATA TRANSMISSION DEVICE**
[54] **DISPOSITIF DE TRANSFERT DE DONNEES SANS CONTACT, DOCUMENT DE DE SECURITE ET/OU DE VALEUR LE CONTENANT ET PROCEDE DE REALISATION D'UN DISPOSITIF DE TRANSFERT DE DONNEES SANS CONTACT**
[72] FISCHER, JORG, DE
[72] MUTH, OLIVER, DE
[72] PAESCHKE, MANFRED, DE
[72] TIETKE, MARKUS, DE
[72] KLOESER, JOACHIM, DE
[72] HOLINSKI, DENIS, DE
[72] FERBER, ALEXANDER, DE
[72] TROLENBERG, STEFAN, DE
[73] BUNDESDRUCKEREI GMBH, DE
[85] 2014-05-01
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[87] (WO2013/127745)
[30] DE (10 2012 203 251.7) 2012-03-01

[11] **2,854,718**
[13] C

[51] **Int.Cl. E04B 9/10 (2006.01) E04B 9/12 (2006.01)**
[25] EN
[54] **SUPPORT METAL STRUCTURE FOR A FALSE CEILING**
[54] **STRUCTURE METALLIQUE DE SUPPORT POUR UN FAUX-PLAFOND**
[72] CIPRIANI, GIUSEPPE, IT
[73] CIPRIANI, GIUSEPPE, IT
[85] 2014-05-06
[86] 2012-11-07 (PCT/IB2012/056221)
[87] (WO2013/068937)
[30] IB (PCT/IB2011/055051) 2011-11-11

[11] **2,854,958**
[13] C

[51] **Int.Cl. H04W 48/16 (2009.01)**
[25] EN
[54] **DEVICE MANAGED ACCESS POINT LISTS IN WIRELESS COMMUNICATIONS**
[54] **Liste de points d'accès gérée par dispositif dans un système de communications sans fil**
[72] BALASUBRAMANIAN, SRINIVASAN, US
[72] DESHPANDE, MANOJ M., US
[72] YOON, YOUNG C., US
[72] HORN, GAVIN B., US
[73] QUALCOMM INCORPORATED, US
[86] (2854958)
[87] (2854958)
[22] 2009-03-26
[62] 2,719,604
[30] US (61/039,728) 2008-03-26
[30] US (61/102,325) 2008-10-02
[30] US (12/407,714) 2009-03-19

[11] **2,855,834**
[13] C

[51] **Int.Cl. G06Q 50/26 (2012.01) G06Q 50/30 (2012.01)**
[25] EN
[54] **CONTROLLED RANGE AND PAYLOAD FOR UNMANNED VEHICLES, AND ASSOCIATED SYSTEMS AND METHODS**
[54] **DISTANCE ET CHARGE UTILE COMMANDEES POUR VEHICULES SANS EQUIPAGE, ET SYSTEMES ET PROCEDES ASSOCIES**
[72] KNAPP, JEFFREY H., US
[72] TASKER, DAVID, US
[72] VIVIANI, GARY LEE, US
[73] INSITU, INC., US
[85] 2014-05-13
[86] 2012-11-15 (PCT/US2012/065360)
[87] (WO2013/074843)
[30] US (61/560,234) 2011-11-15

[11] **2,856,307**
[13] C

[51] **Int.Cl. E21B 21/08 (2006.01) E21B 21/10 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **RECIPROCATING AND ROTATING SECTION AND METHODS IN A DRILLING SYSTEM**
[54] **SECTION SE DEPLACANT EN VA-ET-VIENT ET ROTATIVE ET PROCEDES DANS UN SYSTEME DE FORAGE**
[72] KUTTEL, BEAT, US
[72] YORK, LEMUEL T., US
[72] HOUSEF, FAISAL J., US
[72] HAGER, KEITH A., US
[72] SLOCUM, RANDY, US
[73] CANRIG DRILLING TECHNOLOGY LTD., US
[85] 2014-05-16
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[87] (WO2014/070482)
[30] US (61/720,725) 2012-10-31
[30] US (61/784,381) 2013-03-14
[30] US (14/056,540) 2013-10-17

[11] **2,857,102**
[13] C

[51] **Int.Cl. A61M 1/36 (2006.01) A61B 17/34 (2006.01)**
[25] EN
[54] **CANNULA RING AND RELATED SYSTEMS AND METHODS**
[54] **ANNEAU DE CANULE ET SYSTEMES ET PROCEDES ASSOCIES**
[72] STANFIELD, RYAN, US
[72] WOODARD, JOHN, US
[72] BEARNSON, GILL, US
[73] WORLD HEART CORPORATION, US
[85] 2014-05-26
[86] 2012-12-07 (PCT/US2012/068563)
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[13] C

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[25] EN
[54] **DEVICE AND METHOD FOR UNFREEZING FROZEN BRAKE LINES OF TRACTOR TRAILERS**
[54] **DISPOSITIF ET METHODE DE DECONGELATION DE CONDUITS DE FREIN GELES DE REMORQUES**
[72] ALLEN, ROBERT, US
[72] GIBSON, LORENZO, US
[73] ALLEN, ROBERT, US
[86] (2858258)
[87] (2858258)
[22] 2014-08-01

[11] **2,858,311**
[13] C

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[25] EN
[54] **EFFICIENT AUTHORIZATION SYSTEM FOR MULTI-CHANNEL BROADCAST PROGRAM OPTIONS**
[54] **SYSTEME D'AUTORISATION EFFICACE POUR DES OPTIONS DE PROGRAMMATION DE PROGRAMMES AUDIOVISUELS SUR DES CANAUX MULTIPLES**
[72] BAUER, WILLIAM D., US
[72] EDER, DAVID W., US
[73] INTERTECH, CORP., US
[85] 2014-06-05
[86] 2010-12-07 (PCT/US2010/059306)
[87] (WO2012/078143)

[11] **2,858,461**
[13] C

[51] **Int.Cl. F16B 37/14 (2006.01) B64C 1/00 (2006.01) B64D 45/02 (2006.01) F16B 43/00 (2006.01) H01B 17/38 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR USE IN COVERING A PORTION OF A FASTENER PROTRUDING FROM A SURFACE**
[54] **SYSTEMES ET PROCEDES POUR UTILISATION EN VUE DE COUVRIR UNE PARTIE D'UNE PIECE DE FIXATION FAISANT SAILLIE SUR UNE SURFACE**
[72] CAMERON, MICHAEL SCOTT, US
[72] RAWDON, BLAINE KNIGHT, US
[73] THE BOEING COMPANY, US
[86] (2858461)
[87] (2858461)
[22] 2014-08-06
[30] US (14/034140) 2013-09-23

[11] **2,858,843**
[13] C

[51] **Int.Cl. E21B 23/06 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **DOWNHOLE PLUG DROP TOOL**
[54] **OUTIL DE POSE DE BOUCHON EN FOND DE Puits**
[72] MADERO, PAUL, US
[72] MICKEY, CLINT E., US
[72] DOLYNIUK, DAVID A., US
[73] BAKER HUGHES INCORPORATED, US
[85] 2014-06-10
[86] 2012-12-04 (PCT/US2012/067732)
[87] (WO2013/103461)
[30] US (13/343,874) 2012-01-05

[11] **2,858,992**
[13] C

[51] **Int.Cl. G06Q 50/10 (2012.01) H04N 21/45 (2011.01)**
[25] EN
[54] **VIDEO RECOMMENDATION BASED ON VIDEO CO-OCCURRENCE STATISTICS**
[54] **RECOMMANDATION DE VIDEO SUR LA BASE DE STATISTIQUES DE COOCCURRENCE DE VIDEO**
[72] WEI, LI, US
[72] ZHANG, KUN, US
[72] HE, YU, US
[72] CAI, XINMEI, US
[73] GOOGLE INC., US
[85] 2014-06-11
[86] 2012-10-30 (PCT/US2012/062580)
[87] (WO2013/089924)
[30] US (13/325,369) 2011-12-14

[11] **2,859,010**
[13] C

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[25] EN
[54] **DISPENSING CLOSURE**
[54] **FERMETURE DE DISTRIBUTION**
[72] PICHRT, VLADISLAV, CZ
[73] ISOLINE, S.R.O., CZ
[85] 2014-06-11
[86] 2012-02-13 (PCT/IB2012/050626)
[87] (WO2013/093650)
[30] CZ (PUV 2011-25343) 2011-12-19

[11] **2,859,132**
[13] C

[51] **Int.Cl. F01D 5/18 (2006.01) F01D 9/02 (2006.01) F02C 7/18 (2006.01) F23R 3/42 (2006.01)**
[25] EN
[54] **IMPINGEMENT COOLING MECHANISM, TURBINE BLADE AND COMBUSTOR**
[54] **MECANISME DE REFROIDISSEMENT PAR IMPACT DE JET, AUBE DE TURBINE ET CHAMBRE DE COMBUSTION**
[72] OKITA, YOJI, JP
[72] FUJIMOTO, SHU, JP
[72] NAKAMATA, CHIYUKI, JP
[73] IHI CORPORATION, JP
[85] 2014-06-12
[86] 2012-12-13 (PCT/JP2012/082314)
[87] (WO2013/089173)
[30] JP (2011-274929) 2011-12-15

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[11] **2,861,663**
[13] C

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[25] EN

[54] **START ASSIST DEVICE FOR SWIMMERS WITH POSITIONING AND REMOVAL MECHANISM**

[54] **DISPOSITIF D'AIDE AU DEMARRAGE POUR NAGEURS DOTE D'UN MECANISME DE POSITIONNEMENT ET DE RETRAIT**

[72] STOCKINGER, CHRISTIAN, US
[72] SOLANYK, ERIC, US
[73] EVERLAST CLIMBING INDUSTRIES, INC. DBA COLORADO TIME SYSTEMS, US
[85] 2014-06-25
[86] 2013-07-31 (PCT/US2013/052900)
[87] (WO2015/016872)

[11] **2,861,978**
[13] C

[51] **Int.Cl. H01M 8/0273 (2016.01) H01M 8/0258 (2016.01)**

[25] EN

[54] **FUEL CELL WITH SEALING STRUCTURE BETWEEN THE FRAME AND SEPARATOR**

[54] **PILE A COMBUSTIBLE A STRUCTURE D'ETANCHEISATION ENTRE LE CADRE ET LE SEPARATEUR**

[72] IRITSUKI, KEITA, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2014-07-18
[86] 2013-03-12 (PCT/JP2013/056790)
[87] (WO2013/141079)
[30] JP (2012-063075) 2012-03-21

[11] **2,862,502**
[13] C

[51] **Int.Cl. F04C 18/16 (2006.01) F04C 23/00 (2006.01) F04C 28/06 (2006.01)**

[25] EN

[54] **COMPRESSOR DEVICE AS WELL AS THE USE OF SUCH A COMPRESSOR DEVICE**

[54] **DISPOSITIF DE COMPRESSEUR, AINSI QUE L'UTILISATION D'UN TEL ENSEMBLE**

[72] DESIRON, ANDRIES JAN F., BE
[73] ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, BE
[85] 2014-07-24
[86] 2012-06-27 (PCT/BE2012/000032)
[87] (WO2013/126969)
[30] BE (2012/0119) 2012-02-28

[11] **2,862,657**
[13] C

[51] **Int.Cl. A61G 7/10 (2006.01) A61G 7/053 (2006.01) A61G 5/10 (2006.01)**

[25] EN

[54] **MOBILE SPLIT-SEAT ASSEMBLY**

[54] **SYSTEME DE SIEGE DIVISE MOBILE**

[72] AHMED, MUNIR, US
[73] MAHA MEDICAL EQUIPMENT, INC., US
[85] 2014-06-30
[86] 2013-07-18 (PCT/US2013/051076)
[87] (WO2014/120274)
[30] US (61/849,563) 2013-01-29
[30] US (13/944,461) 2013-07-17

[11] **2,862,792**
[13] C

[51] **Int.Cl. C12M 1/36 (2006.01) C02F 3/28 (2006.01) C02F 11/04 (2006.01) C12M 1/00 (2006.01) C12M 1/107 (2006.01) C12M 1/34 (2006.01) C12P 1/00 (2006.01) C12P 5/02 (2006.01) C12P 7/54 (2006.01) C12Q 3/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR ANAEROBIC DIGESTION OF BIOMATERIALS**

[54] **SYSTEMES ET PROCEDES POUR LA DIGESTION ANAEROBIQUE DE BIOMATERIAUX ET PROCEDES POUR LA DIGESTION ANAEROBIQUE DE BIOMATERIAUX**

[72] SMITH, CHARLES SATISH, US
[73] EPCOT CRENSHAW CORPORATION, US
[85] 2014-07-25
[86] 2012-01-28 (PCT/US2012/023045)
[87] (WO2013/112182)

[11] **2,862,910**
[13] C

[51] **Int.Cl. F02K 3/06 (2006.01) F02C 7/00 (2006.01) F04D 29/38 (2006.01)**

[25] EN

[54] **FAN ROTOR BLADE OF AIRCRAFT JET ENGINE**

[54] **AILETTE DE ROTOR DE SOUFFLANTE D'UN MOTEUR A REACTION POUR AERONEF**

[72] YAGI, HIROYUKI, JP
[72] KUROKI, HIROSHI, JP
[72] OBUCHI, KENRO, JP
[73] IHI CORPORATION, JP
[85] 2014-07-28
[86] 2013-01-30 (PCT/JP2013/051959)
[87] (WO2013/115207)
[30] JP (2012-017134) 2012-01-30

[11] **2,863,648**
[13] C

[51] **Int.Cl. B60R 11/04 (2006.01)**

[25] EN

[54] **SURROUNDINGS MONITORING SYSTEM, WORK VEHICLE, AND SURROUNDINGS MONITORING METHOD**

[54] **MECANISME DE SURVEILLANCE D'ENTOURAGE, VEHICULE DE TRAVAIL ET METHODE DE SURVEILLANCE D'ENTOURAGE**

[72] KURIHARA, TAKESHI, JP
[72] NAKANISHI, YUKIHIRO, JP
[73] KOMATSU LTD., JP
[85] 2014-08-28
[86] 2014-04-25 (PCT/JP2014/061802)
[87] (WO2015/162801)

[11] **2,865,179**
[13] C

[51] **Int.Cl. A44B 19/00 (2006.01) A45C 13/10 (2006.01) B65D 33/25 (2006.01)**

[25] EN

[54] **BURST ZIPPER**

[54] **FERMETURE A GLISSIERE D'ECLATEMENT**

[72] COWIN, JOSEPH T., US
[72] SWAIN, HENRY L., US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2014-08-20
[86] 2013-05-02 (PCT/US2013/039182)
[87] (WO2013/166228)
[30] US (61/642,791) 2012-05-04
[30] US (13/767,534) 2013-02-14

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[11] **2,865,797**
[13] C

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[25] EN
[54] **BREATHING APPARATUS FILLING STATION AND FILLING STATION RECHARGING DEVICE**
[54] **STATION DE REMPLISSAGE D'UN APPAREIL RESPIRATOIRE ET DISPOSITIF DE RECHARGE D'UNE STATION DE REMPLISSAGE**
[72] MODIRZAREH, AMIR, AU
[72] REILING, MAXIMILIAN STEFAN THEODOR, AU
[73] DRAEGER SAFETY AG & CO. KGAA, DE
[85] 2014-08-28
[86] 2012-06-21 (PCT/AU2012/000722)
[87] (WO2013/126943)
[30] AU (2012201265) 2012-03-01

[11] **2,866,541**
[13] C

[51] **Int.Cl. G01F 1/66 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR METER SUBSTITUTION FOR CO-LOCATED FLOWMETERS**
[54] **SYSTEME ET PROCEDE POUR SUBSTITUTION DE DISPOSITIF DE MESURE POUR DEBITMETRES CO-SITUES**
[72] GROESCHEL, KERRY D., US
[72] FORBES, GRAHAM W., US
[73] DANIEL MEASUREMENT AND CONTROL, INC., US
[85] 2014-09-04
[86] 2013-05-02 (PCT/US2013/039206)
[87] (WO2013/166244)
[30] US (13/462,579) 2012-05-02

[11] **2,866,842**
[13] C

[51] **Int.Cl. C01B 33/193 (2006.01)**
[25] FR
[54] **METHOD FOR PREPARING PRECIPITATED SILICA COMPRISING A STEP OF HIGH TEMPERATURE SPALLING**
[54] **PROCEDE DE PREPARATION DE SILICE PRECIPITEE COMPRENANT UNE ETAPE DE DELITAGE A CHAUD**
[72] FOURNIER, ELISE, FR
[72] NEVEU, SYLVAIN, FR
[72] RACINOUX, JOEL, FR
[73] RHODIA OPERATIONS, FR
[85] 2014-09-09
[86] 2013-03-21 (PCT/EP2013/055973)
[87] (WO2013/139932)
[30] FR (12 52589) 2012-03-22

[11] **2,867,176**
[13] C

[51] **Int.Cl. B65D 71/12 (2006.01) B65D 5/42 (2006.01) B65D 5/46 (2006.01) B65D 71/20 (2006.01) B65D 71/28 (2006.01)**
[25] EN
[54] **CARTON WITH INSERT**
[54] **CARTON AVEC INSERT**
[72] MONCRIEF, FRANK N., US
[72] KASTANEK, RAYMOND S., US
[72] BALDINO, MARK, US
[73] GRAPHIC PACKAGING INTERNATIONAL, INC., US
[85] 2014-09-11
[86] 2013-04-26 (PCT/US2013/038334)
[87] (WO2013/163499)
[30] US (61/687,593) 2012-04-27

[11] **2,869,066**
[13] C

[51] **Int.Cl. E21B 43/26 (2006.01) E21B 33/12 (2006.01) E21B 43/11 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR HYDRAULIC FRACTURING**
[54] **PROCEDE ET APPAREIL POUR FRACTIONNEMENT HYDRAULIQUE**
[72] RING, LEV, US
[72] GARCIA, CESAR G., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (2869066)
[87] (2869066)
[22] 2014-10-28
[30] US (14/076,935) 2013-11-11

[11] **2,869,148**
[13] C

[51] **Int.Cl. C07K 16/24 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **ANTI-BAFF-ANTI-IL-17 BISPECIFIC ANTIBODIES**
[54] **ANTICORPS BISPECIFIQUES ANTI-BAFF-ANTI-IL-17**
[72] ALLAN, BARRETT, US
[72] BENSCHOP, ROBERT JAN, US
[72] LU, JIRONG, US
[73] ELI LILLY AND COMPANY, US
[85] 2014-09-30
[86] 2013-04-16 (PCT/US2013/036677)
[87] (WO2013/158577)
[30] US (61/636,302) 2012-04-20
[30] US (61/768,747) 2013-02-25

[11] **2,870,798**
[13] C

[51] **Int.Cl. E21B 43/40 (2006.01) C02F 1/00 (2006.01) C02F 1/04 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **PROCESSES FOR TREATING RESERVOIR FLUID COMPRISING MATERIAL PRODUCED FROM A HYDROCARBON CONTAINING RESERVOIR**
[54] **PROCEDES DE TRAITEMENT DE FLUIDE DE RESERVOIR COMPRENANT UN MATERIAU PROVENANT D'UN RESERVOIR CONTENANT UN HYDROCARBURE**
[72] DONALD, ANDREW, CA
[72] PUGSLEY, TODD STEWART, CA
[73] SUNCOR ENERGY INC., CA
[86] (2870798)
[87] (2870798)
[22] 2014-11-13
[30] US (61/936,808) 2014-02-06
[30] CA (2,847,944) 2014-03-28
[30] US (61/972,024) 2014-03-28

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[13] C
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[25] EN
[54] **SUSTAINABLE ADSORBABLE POLYMERS**
[54] **POLYMERES ADSORBABLES DURABLES**
[72] GANE, PATRICK A.C., CH
[72] BURI, MATTHIAS, CH
[72] RENTSCH, SAMUEL, CH
[72] GANNEAU, CECILE, FR
[73] OMYA INTERNATIONAL AG, CH
[85] 2014-10-17
[86] 2013-05-06 (PCT/EP2013/059377)
[87] (WO2013/167527)
[30] EP (12167664.7) 2012-05-11
[30] US (61/648,644) 2012-05-18

[11] **2,871,061**
[13] C
[51] **Int.Cl. A61K 9/08 (2006.01) A61J 1/10 (2006.01) A61K 9/00 (2006.01) A61K 31/7008 (2006.01)**
[25] EN
[54] **READY TO BE INFUSED GEMCITABINE SOLUTION**
[54] **SOLUTION DE GEMCITABINE PRETE A ETRE PERFUSEE**
[72] KUMAR, SAMARTH, IN
[72] KANE, PRASHANT, IN
[72] NAMDEO, ALOK B, IN
[72] BHOWMICK, SUBHAS B, IN
[72] GANORKAR, KIRTI, IN
[73] SUN PHARMACEUTICAL INDUSTRIES LTD, IN
[85] 2014-10-20
[86] 2013-04-26 (PCT/IN2013/000281)
[87] (WO2013/171763)
[30] IN (1334/MUM/2012) 2012-04-27

[11] **2,871,274**
[13] C
[51] **Int.Cl. F16L 27/08 (2006.01) F16J 15/34 (2006.01) F16J 15/54 (2006.01)**
[25] EN
[54] **MULTI-MEDIA ROTATING UNION**
[54] **RACCORD UNION ROTATIF POUR MILIEUX DIFFERENTS**
[72] FORD, SCOTT K., US
[72] SACRAMENTO, ANTHONY R., JR., US
[73] DEUBLIN COMPANY, US
[86] (2871274)
[87] (2871274)
[22] 2006-05-17
[62] 2,547,152
[30] US (60/681,595) 2005-05-17

[11] **2,871,473**
[13] C
[51] **Int.Cl. F17C 3/04 (2006.01) E04H 7/18 (2006.01)**
[25] EN
[54] **FREE-STANDING LINER UNIT AND METHOD OF BUILDING TANK**
[54] **UNITE DE CHEMISE AUTOPORTANTE ET PROCEDE DE CONSTRUCTION DE RESERVOIR**
[72] UCHIYAMA, NORIO, JP
[73] IHI CORPORATION, JP
[85] 2014-10-23
[86] 2013-02-28 (PCT/JP2013/055509)
[87] (WO2013/161385)
[30] JP (2012-101266) 2012-04-26

[11] **2,871,551**
[13] C
[51] **Int.Cl. F16L 17/025 (2006.01) F16L 29/04 (2006.01)**
[25] EN
[54] **LOW TEMPERATURE CONDUIT COUPLING**
[54] **RACCORD DE CONDUITE BASSE TEMPERATURE**
[72] VON KEITZ, ANDREAS, DE
[73] VON KEITZ, ANDREAS, DE
[85] 2014-10-24
[86] 2013-06-05 (PCT/EP2013/061597)
[87] (WO2013/186100)
[30] DE (10 2012 104 990.4) 2012-06-11

[11] **2,871,627**
[13] C
[51] **Int.Cl. G01N 23/00 (2006.01) B07B 13/18 (2006.01) E21C 41/30 (2006.01)**
[25] EN
[54] **SORTING MATERIALS USING PATTERN RECOGNITION, SUCH AS UPGRADING NICKEL LATERITE ORES THROUGH ELECTROMAGNETIC SENSOR-BASED METHODS**
[54] **TRI DE MATERIAUX FAISANT APPEL A LA RECONNAISSANCE DES FORMES, TEL QUE VALORISATION DE MINERAIS DE LATERITE NICKELIFERE PAR DES PROCEDES BASES SUR DES CAPTEURS ELECTROMAGNETIQUES**
[72] BAMBER, ANDREW SHERLIKER, CA
[72] BARCZA, NICHOLAS, CA
[72] CSINGER, ANDREW, CA
[73] MINESENSE TECHNOLOGIES LTD., CA
[85] 2014-10-27
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[87] (WO2013/163756)
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[72] FARR, GEORGE WILLIAM, US
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[72] HALL, CHRISTOPHER H., US
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[54] **RECOMBINANT PRODUCTION OF MIXTURES OF ANTIBODIES**
[54] **PRODUCTION PAR RECOMBINAISON DE MELANGES D'ANTICORPS**
[72] VAN BERKEL, PATRICIUS HENDRIKUS CORNELIS, NL
[72] BRUS, RONALD HENDRIK PETER, NL
[72] BOUT, ABRAHAM, NL
[72] LOGTENBERG, TON, NL
[73] MERUS N.V., NL
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[54] **AMELIORATIONS DE SYSTEMES D'AMELIORATION DE PERFORMANCES SPORTIVES**
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[72] SCHREIBER, DANIEL, US
[73] FUNCTIONWEAR, LLC, US
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[54] **UTILISATION D'UNE IMAGE DE CARTE POUR EXTRAIRE DES INFORMATIONS DE COMPTE BANCAIRE**
[72] FASOLI, JONATHAN DAVID, US
[72] KAPADIA, PRANAY, US
[72] DORSCH, WILLIAM MICHAEL, US
[73] INTUIT INC., US
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[54] **CHIFFREMENT/DECHIFFREMENT DE DONNEES DE PROGRAMMES A L'EXCEPTION DES INFORMATIONS SPECIFIQUES PROGRAMME**
[72] LEWIS, RICHARD, US
[72] HAUGE, RAYMOND C., US
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[54] **SYSTEME DE SOUTIEN D'ELEMENTS DE GARNISSAGE**
[72] BISHOP, DAVID S., US
[72] RUFFO, ANTONIO C., US
[72] LEHR, DOUGLAS J., US
[73] BAKER HUGHES INCORPORATED, US
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[54] **ARTICLES ABSORBANTS COMPRENANT DES ELASTIQUES EN COUCHES MULTIPLES**
[72] WADE, SARAH MARIE, US
[72] GLAHN, TINA MARIE, US
[72] LAVON, GARY DEAN, US
[72] JURATOVAC, DIANA WOEHLN, US
[72] ISHIHARA, KAORU, US
[72] NISHIKAWA, MASAHARU, US
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- [54] **LIQUID CRYSTAL CONTROL STRUCTURE, TIP-TILT-FOCUS OPTICAL PHASED ARRAY AND HIGH POWER ADAPTIVE OPTIC STRUCTURE DE COMMANDE A CRISTAUX LIQUIDES, RESEAU A COMMANDE DE PHASE OPTIQUE A CORRECTION DE BASCULEMENT ET DE FOCALISATION, ET OPTIQUE ADAPTATIVE DE GRANDE PUISSANCE**
- [72] SMITH, IRL W., US
[72] DORSCHNER, TERRY A., US
[72] KIRCHNER, AMANDA J., US
[72] COLLINS, STEVEN R., US
[72] RESLER, DANIEL P., US
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[73] RAYTHEON COMPANY, US
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- [54] **PROCEDE ET SYSTEME DE STOCKAGE D'HYDROGENE DANS UNE CAVERNE DE SEL AVEC UNE BARRIERE DE PERMEATION**
- [72] OATES, ROMMEL M., US
[73] PRAXAIR TECHNOLOGY, INC., US
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- [72] TAKEDA, YASUYUKI, JP
[72] YOSHIKAWA, KENJI, JP
[72] KAGOSHIMA, YOSHIKO, JP
[72] YAMAMOTO, YUKO, JP
[72] TANAKA, RYOICHI, JP
[72] TOMINAGA, YUICHI, JP
[72] KIGA, MASAKI, JP
[72] HAMADA, YOSHITO, JP
[73] DAICHI SANKYO COMPANY, LIMITED, JP
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- [54] **PROCEDE ET ENSEMBLE DE RACCORDEMENT DE TUBE DE DERIVATION**
- [72] CUNNINGHAM, GREGORY SCOTT, US
[72] LEAST, BRANDON THOMAS, US
[72] GRECI, STEPHEN MICHAEL, US
[72] LOPEZ, JEAN MARC, US
[72] VEIT, JAN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[13] C

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- [54] **MANAGING COMMUNICATIONS BETWEEN COMPUTING NODES**
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- [72] HOOLE, QUINTON R., US
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- [54] **SYSTEMES ET PROCEDE D'AUTHENTIFICATION DE DISPOSITIFS MOBILES LORS D'UN INCIDENT PAR L'INTERMEDIAIRE D'UNE COLLABORATION**
- [72] KLEIN, DAVID E., US
[72] BLANCO, ALEJANDRO G., US
[73] MOTOROLA SOLUTIONS, INC., US
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ONTO SUBCARRIERS OF A
CARRIER SIGNAL**
[54] **PROCEDE D'ETALEMENT D'UNE
PLURALITE DE SYMBOLES DE
DONNEES SUR DES SOUS-
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PORTEUR**
[72] KEUSGEN, WILHELM, DE
[72] PETER, MICHAEL, DE
[72] KORTKE, ANDREAS, DE
[73] FRAUNHOFER-GESELLSCHAFT
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METHOD OF CUTTING WITHIN A
BOREHOLE**
[54] **ELEMENT DE COUPE, OUTIL ET
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[72] STOWE, CALVIN J., II, US
[73] BAKER HUGUES INCORPORATED,
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[54] **SYSTEM FOR CORRELATING
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[54] **TRAITEMENT DE DONNEES**
[72] KAPKOWSKI, GRZEGORZ, PL
[72] KASZYNSKI, MARCIN, PL
[72] STEPNIOWSKI, MAREK M., PL
[73] ARRIS ENTERPRISES LLC, US
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INORGANIC SCALES**
[54] **PROCEDE D'ELIMINATION DES
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[72] QU, QI, US
[72] GOMAA, AHMED M., US
[73] BAKER HUGHES INCORPORATED,
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[30] US (13/533,031) 2012-06-26

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[54] **METHOD AND APPARATUS FOR
ENCODING/DECODING MOTION
VECTOR**
[54] **PROCEDE ET APPAREIL DE
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VECTEUR MOUVEMENT**
[72] LEE, TAMMY, KR
[72] HAN, WOO-JIN, KR
[72] LEE, KYO-HYUK, KR
[73] SAMSUNG ELECTRONICS CO.,
LTD., KR
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[54] **METHOD AND APPARATUS FOR
OPERATING ACCESSORY
INTERFACE FUNCTIONS OVER A
SINGLE SIGNAL**
[54] **PROCEDE ET APPAREIL
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D'ACCESSOIRE SUR UN SEUL
SIGNAL**
[72] HARMKE, CHARLES B., US
[73] MOTOROLA SOLUTIONS, INC., US
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[25] EN
[54] **METHOD AND APPARATUS FOR
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[54] **PROCEDE ET APPAREIL POUR
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[72] JUNG, JIWOOK, KR
[72] YEA, SEHOON, KR
[72] KOO, MOONMO, KR
[72] HEO, JIN, KR
[72] KIM, TAESUP, KR
[72] SUNG, JAEWON, KR
[72] SON, EUNYONG, KR
[73] LG ELECTRONICS INC., KR
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[54] **APPARATUS FOR ADJUSTING HEIGHT OF ARMREST OF CONSTRUCTION MACHINE**
[54] **APPAREIL DESTINE A AJUSTER LA HAUTEUR D'ACCOUDOIR D'UN ENGIN DE CONSTRUCTION**
[72] PARK, HYUN-SOO, KR
[73] VOLVO CONSTRUCTION EQUIPMENT AB, SE
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[25] EN
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[54] **DETONATEURS INTEGRES POUR ENGINES EXPLOSIFS**
[72] BROOKS, JAMES E., US
[72] LERCHE, NOLAN C., US
[72] VENERUSO, ANTHONY F., US
[73] SCHLUMBERGER CANADA LIMITED, CA
[86] (2880368)
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[30] US (60/521,088) 2004-02-19
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[13] C

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[25] EN
[54] **DRILL BIT WITH A FORCE APPLICATION USING A MOTOR AND SCREW MECHANISM FOR CONTROLLING EXTENSION OF A PAD IN THE DRILL BIT**
[54] **TREPAN A APPLICATION DE FORCE EMPLOYANT UN MOTEUR ET UN MECANISME A VIS POUR CONTROLER LE DEPLOIEMENT D'UN COUSSIN DANS LE TREPAN**
[72] SCHWEFE, THORSTEN, GB
[72] RAZ, DAN, IL
[72] RINBERG, GREGORY, IL
[73] BAKER HUGHES INCORPORATED, US
[85] 2015-01-30
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[30] US (13/561,897) 2012-07-30

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[13] C

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[25] EN
[54] **DRILL BIT WITH HYDRAULICALLY-ACTIVATED FORCE APPLICATION DEVICE FOR CONTROLLING DEPTH-OF-CUT OF THE DRILL BIT**
[54] **TREPAN AVEC DISPOSITIF D'APPLICATION DE FORCE COMMANDE HYDRAULIQUEMENT POUR COMMANDER LA PROFONDEUR DE COUPE DU TREPAN**
[72] SCHWEFE, THORSTEN, GB
[73] BAKER HUGHES INCORPORATED, US
[85] 2015-01-30
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[30] US (13/561,786) 2012-07-30

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[13] C

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[54] **ARTICLE GONFLABLE**
[72] MAZYAR, OLEG A., US
[72] GOODSON, JAMES E., US
[73] BAKER HUGHES INCORPORATED, US
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[13] C

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[25] EN
[54] **IMPROVEMENTS IN SECURITY DOCUMENTS**
[54] **AMELIORATION DE DOCUMENTS DE SECURITE**
[72] BATISTATOS, ODISEA, AU
[72] POWER, GARY FAIRLESS, AU
[73] INNOVIA SECURITY PTY LTD, AU
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[13] C

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[25] EN
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[54] **CONNECTEUR ELECTRIQUE ROTATIF A CANAUX MULTIPLES**
[72] SCHROTER, TERENCE A., CA
[72] ISHFAQ, EHTISHAM, CA
[72] D'SILVA, ALBEN, CA
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **ROULEAU DE TRANSPORT MUNI D'UN ELEMENT DE RACCORDEMENT**
[72] LINDEMANN, HARRY, DE
[73] INTERROLL HOLDING AG, CH
[85] 2015-02-19
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[30] DE (20 2012 008 919.6) 2012-09-18

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[54] **PARTICLE DETECTOR, SYSTEM AND METHOD**
[54] **DETECTEUR DE PARTICULES, SYSTEME ET PROCEDE**
[72] KNOX, RON, AU
[72] BOETTGER, KARL, AU
[72] AJAY, KEMAL, AU
[73] XTRALIS TECHNOLOGIES LTD, BS
[86] (2883638)
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[25] EN
[54] **METHOD OF CENTRIFUGAL CASTING USING DRY COATED SAND CORES**
[54] **PROCEDE DE COULAGE PAR CENTRIFUGATION A L'AIDE DE NOYAUX DE SABLE REVETUS A SEC**
[72] REICH, DAVID, US
[72] REICH, HARRY, US
[73] LAEMPEREICH CORPORATION, US
[85] 2015-03-03
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[25] EN
[54] **RETAIL READY CONTAINER AND METHOD OF DEPLOYING SAME**
[54] **CONTENANT PRET POUR LA VENTE AU DETAIL ET PROCEDE D'INSTALLATION ASSOCIE**
[72] DECELLO, THOMAS E., US
[72] LITTLE, TROY M., US
[73] GYRE INNOVATIONS, LLC, US
[85] 2015-03-04
[86] 2012-11-19 (PCT/US2012/065805)
[87] (WO2013/085704)
[30] US (13/315,960) 2011-12-09
[30] US (13/316,023) 2011-12-09

[11] **2,885,297**

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- [51] **Int.Cl. F28F 3/08 (2006.01) F28F 3/04 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER PLATE AND PLATE HEAT EXCHANGER COMPRISING SUCH A HEAT EXCHANGER PLATE**
[54] **PLAQUE D'ECHANGEUR THERMIQUE ET ECHANGEUR THERMIQUE A PLAQUES COMPRENANT LADITE PLAQUE**
[72] HEDBERG, MAGNUS, SE
[72] NILSSON, JOHAN, SE
[73] ALFA LAVAL CORPORATE AB, SE
[85] 2015-03-18
[86] 2013-10-10 (PCT/EP2013/071150)
[87] (WO2014/067758)
[30] EP (12190496.5) 2012-10-30

[11] **2,885,918**

[13] C

- [51] **Int.Cl. C11D 3/37 (2006.01) C11D 1/86 (2006.01) C11D 17/00 (2006.01)**
[25] EN
[54] **FOAM STABILIZATION WITH POLYETHYLENEIMINE ETHOXYLATES**
[54] **STABILISATION DE MOUSSE AVEC DES ETHOXYLATES DE POLYETHYLENEIMINE**
[72] MAN, VICTOR FUK-PONG, US
[72] KILLEEN, YVONNE MARIE, US
[73] ECOLAB USA INC., US
[85] 2015-03-25
[86] 2013-03-08 (PCT/US2013/029963)
[87] (WO2014/084885)
[30] US (61/730,723) 2012-11-28

[11] **2,885,982**

[13] C

- [51] **Int.Cl. F02M 31/20 (2006.01) B63H 21/14 (2006.01) F02B 61/04 (2006.01) F02M 37/00 (2006.01) F02M 37/08 (2006.01)**
[25] EN
[54] **MARINE FUEL SYSTEM WITH SPILL CONTROL FEATURE**
[54] **CIRCUIT DE CARBURANT DE NAVIRE DOTE D'UNE FONCTION DE CONTROLE DU DEVERSEMENT**
[72] SALER, JOHN L., US
[73] CARTER FUEL SYSTEMS, LLC, US
[85] 2014-04-22
[86] 2012-09-06 (PCT/US2012/053935)
[87] (WO2013/043379)
[30] US (13/242,555) 2011-09-23

[11] **2,886,653**

[13] C

- [51] **Int.Cl. F02C 7/052 (2006.01) B01D 46/00 (2006.01)**
[25] EN
[54] **IMPROVED V-PANEL FILTER**
[54] **FILTRE DE PANNEAU EN V AMELIORE**
[72] KELMARTIN, THOMAS P., US
[72] POON, WAI SING, US
[72] BRIGGS, MARK DUANE, US
[72] GESSNER, MATTHEW ROBERT, US
[72] PINGRY, RYDER WILLIAM, US
[72] RILEY, SHAWN PATRICK, US
[72] ROBB, STEPHEN, US
[72] ZUKOR, KENNETH STEPHEN, US
[73] W.L. GORE & ASSOCIATES, INC., US
[85] 2015-03-27
[86] 2013-10-03 (PCT/US2013/063180)
[87] (WO2014/058692)
[30] US (61/711,525) 2012-10-09
[30] US (14/043,991) 2013-10-02

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[13] C

[51] **Int.Cl. B29C 44/10 (2006.01) B26D 1/02 (2006.01) B26D 3/28 (2006.01) B64C 1/40 (2006.01) F16L 59/02 (2006.01)**

[25] EN

[54] **AIRCRAFT FOAM INSULATION METHOD AND APPARATUS**

[54] **METHODE D'ISOLATION D'AERONEF A LA MOUSSE ET APPAREIL**

[72] YOUNIE, MARK LAWRENCE, US

[73] THE BOEING COMPANY, US

[86] (2887207)

[87] (2887207)

[22] 2015-04-01

[30] US (14/270,048) 2014-05-05

[11] **2,887,819**
[13] C

[51] **Int.Cl. B61L 27/00 (2006.01)**

[25] EN

[54] **TRAIN SAFETY SYSTEM**

[54] **SYSTEME DE SECURITE POUR TRAIN**

[72] PERRAS, CLAUDE, CA

[72] THORPE, LEIGH, CA

[72] BLOUIN, FRANCOIS, CA

[73] VIA RAIL CANADA INC., CA

[86] (2887819)

[87] (2887819)

[22] 2015-04-15

[30] US (61/979,692) 2014-04-15

[30] US (14/466,000) 2014-08-22

[11] **2,887,830**
[13] C

[51] **Int.Cl. C12N 15/12 (2006.01) G06F 19/18 (2011.01) C07H 21/00 (2006.01) C07H 21/04 (2006.01) C07K 16/18 (2006.01) C12N 15/55 (2006.01) C12Q 1/68 (2006.01) C40B 30/04 (2006.01)**

[25] EN

[54] **GENETIC POLYMORPHISMS ASSOCIATED WITH LIVER FIBROSIS METHODS OF DETECTION AND USES THEREOF**

[54] **POLYMORPHISMES GENETIQUES ASSOCIES A DES TECHNIQUES DE DETECTION DE CIRRHOSE DU FOIE ET UTILISATION DE CES POLYMORPHISMES**

[72] CARGILL, MICHELE, US

[72] HUANG, HONGJIN, US

[73] CELERA CORPORATION, US

[86] (2887830)

[87] (2887830)

[22] 2005-05-09

[62] 2,852,855

[30] US (60/568,846) 2004-05-07

[30] US (60/582,609) 2004-06-25

[30] US (60/599,554) 2004-08-09

[11] **2,887,980**
[13] C

[51] **Int.Cl. H04L 12/24 (2006.01) H04W 72/10 (2009.01)**

[25] EN

[54] **METHOD AND APPARATUS OF RESOURCE ALLOCATION OR RESOURCE RELEASE**

[54] **PROCEDE ET APPAREIL D'ATTRIBUTION OU DE LIBERATION DE RESSOURCE**

[72] AMORIM, AARON, CA

[73] THALES CANADA INC., CA

[85] 2015-04-13

[86] 2013-11-21 (PCT/IB2013/002603)

[87] (WO2014/083399)

[30] US (13/689,132) 2012-11-29

[11] **2,888,036**
[13] C

[51] **Int.Cl. C09D 11/033 (2014.01) C09D 11/36 (2014.01)**

[25] EN

[54] **INK WITH ENHANCED WETTING PROPERTIES**

[54] **ENCRE OFFRANT DES PROPRIETES DE MOUILLAGE AMELIOREES**

[72] BRETON, MARCEL P., CA

[72] ABRAHAM, BIBY ESTHER, CA

[72] MAYO, JAMES D., CA

[72] FARRUGIA, VALERIE M., CA

[72] ELIYAHU, JENNY, CA

[72] GOREDEMA, ADELA, CA

[72] KEOSHKERIAN, BARKEV, CA

[72] GAGNON, YVAN, CA

[72] IFTIME, GABRIEL, US

[73] XEROX CORPORATION, US

[86] (2888036)

[87] (2888036)

[22] 2015-04-13

[30] US (14/261258) 2014-04-24

[11] **2,888,159**
[13] C

[51] **Int.Cl. F21S 8/00 (2006.01) F21V 19/00 (2006.01) F21V 23/06 (2006.01) F21V 29/00 (2015.01)**

[25] EN

[54] **OUTDOOR LED LAMP**

[54] **LAMPE A DIODE ELECTROLUMINESCENTE D'EXTERIEUR**

[72] ZUO, XIANGLING, CN

[73] DONGGUAN WEIRUI ELECTRONIC CO. LTD, CN

[85] 2015-04-10

[86] 2013-09-26 (PCT/CN2013/084320)

[87] (WO2014/059866)

[30] CN (201210402522.5) 2012-10-19

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[11] **2,889,762**
[13] C

[51] **Int.Cl. E21B 43/01 (2006.01) E21B 7/124 (2006.01)**
[25] EN
[54] **ASSEMBLY AND METHOD FOR SUBSEA HYDROCARBON GAS RECOVERY**
[54] **ENSEMBLE ET PROCEDE DE RECUPERATION SOUS-MARINE DE GAZ D'HYDROCARBURES**
[72] DIRKSEN, RONALD JOHANNES, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-04-27
[86] 2012-12-13 (PCT/US2012/069439)
[87] (WO2014/092709)

[11] **2,890,810**
[13] C

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[25] EN
[54] **SURGICAL INSTRUMENT HAVING A FEEDBACK SYSTEM**
[54] **INSTRUMENT CHIRURGICAL AVEC SYSTEME ASSERVI**
[72] SHELTON, FREDERICK E., IV, US
[72] MORGAN, JEROME R., US
[72] DOLL, KEVIN R., US
[72] SWAYZE, JEFFREY S., US
[72] TIMPERMAN, EUGENE L., US
[73] ETHICON ENDO-SURGERY, INC., US
[86] (2890810)
[87] (2890810)
[22] 2007-01-26
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[30] US (11/343,545) 2006-01-31

[11] **2,891,322**
[13] C

[51] **Int.Cl. C09K 8/035 (2006.01) C09K 8/516 (2006.01)**
[25] EN
[54] **WELLBORE SERVICING COMPOSITIONS AND METHODS OF MAKING AND USING SAME**
[54] **COMPOSITIONS D'ENTRETIEN COURANT DE PUIITS DE FORAGE ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] BRALEY, NICHOLAS CHARLES, US
[72] BADALAMENTI, ANTHONY M., US
[72] DEVILLE, JAY PAUL, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-05-12
[86] 2013-11-06 (PCT/US2013/068648)
[87] (WO2014/092888)
[30] US (13/709,776) 2012-12-10

[11] **2,892,632**
[13] C

[51] **Int.Cl. A23C 11/10 (2006.01) A23C 9/12 (2006.01)**
[25] EN
[54] **SOLID FERMENTED SOY MILK PRODUCT AND PROCESS FOR MANUFACTURING SAME**
[54] **PRODUIT DE LAIT DE SOJA FERMENTE SOLIDE ET SON PROCEDE DE FABRICATION**
[72] TSUCHIMOTO, NORIHIKO, JP
[73] SAPPORO HOLDINGS LIMITED, JP
[85] 2015-05-22
[86] 2014-01-08 (PCT/JP2014/050137)
[87] (WO2014/119343)
[30] JP (2013-019448) 2013-02-04

[11] **2,892,953**
[13] C

[51] **Int.Cl. H02K 5/132 (2006.01) H02K 5/16 (2006.01)**
[25] EN
[54] **MOTOR BEARING FOR ELECTRIC SUBMERSIBLE MOTORS**
[54] **SUPPORT DE MOTEUR POUR MOTEURS SUBMERSIBLES ELECTRIQUES**
[72] PARMETER, LARRY JAMES, US
[72] LEAMY, BRETT D., US
[72] ROBERTS, RANDY S., US
[72] DAVIS, GREGORY AUSTIN, US
[72] KENNER, JOHN VANDERSTAAY, US
[73] SUMMIT ESP, LLC, US
[86] (2892953)
[87] (2892953)
[22] 2015-05-27
[30] US (62/005,520) 2014-05-30

[11] **2,893,146**
[13] C

[51] **Int.Cl. G02C 1/08 (2006.01) G02C 5/14 (2006.01)**
[25] EN
[54] **EYEWEAR WITH LOCKING LENS FRAME**
[54] **LUNETTES AVEC MONTURE A VERRES A VERROU**
[72] DAMIN, MARCO, IT
[72] AASKOV, MICHAEL, US
[72] GIROUX, GEORGE T., US
[72] CHILSON, JAMES A., US
[73] SMITH OPTICS, INC., US
[86] (2893146)
[87] (2893146)
[22] 2015-05-27
[30] US (14/308,564) 2014-06-18

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[11] **2,893,213**
[13] C

[51] **Int.Cl. D06F 37/00 (2006.01)**
[25] EN
[54] **LAUNDRY TREATMENT APPARATUS WITH ACCOMMODATION UNIT**
[54] **APPAREIL DE TRAITEMENT DE LESSIVE DOTE D'UN MODULE D'ADAPTATION**
[72] SEO, JINWOO, KR
[72] LEE, JIHONG, KR
[72] KIM, WOOSEONG, KR
[73] LG ELECTRONICS INC., KR
[86] (2893213)
[87] (2893213)
[22] 2015-05-29
[30] KR (10-2014-0065894) 2014-05-30

[11] **2,894,041**
[13] C

[51] **Int.Cl. B60D 1/58 (2006.01) B60D 1/06 (2006.01) B60D 1/28 (2006.01)**
[25] EN
[54] **HITCH BALL WITH LOCKING BAIL**
[54] **SPHERE D'ATTELAGE AVEC ETRIER VERROUILLABLE**
[72] MCCALL, TRAVIS M., US
[72] WORKS, ANTHONY J., US
[73] B&W CUSTOM TRUCK BEDS, INC., US
[86] (2894041)
[87] (2894041)
[22] 2015-06-08
[30] US (62/011,939) 2014-06-13

[11] **2,894,103**
[13] C

[51] **Int.Cl. E06B 3/46 (2006.01) E06B 3/42 (2006.01)**
[25] EN
[54] **SLIDING SASH SECONDARY LOCK**
[54] **VERROU SECONDAIRE POUR VOLET COULISSANT**
[72] BACZUK, ERIC A., US
[72] DODGE, TRAVIS J., US
[73] MILGARD MANUFACTURING INCORPORATED, US
[86] (2894103)
[87] (2894103)
[22] 2015-06-11
[30] US (14/313,013) 2014-06-24
[30] US (14/712,858) 2015-05-14

[11] **2,894,334**
[13] C

[51] **Int.Cl. E04H 17/20 (2006.01)**
[25] EN
[54] **RAILING SUPPORT POST WITH THREADED RECEIVERS**
[54] **MONTANT DE SUPPORT DE RAMPE AVEC RECEPTEURS FILETES**
[72] HERMAN, JOEL, DUANE, US
[72] HERMAN, JOEL DUANE, US
[73] HERMAN, JOEL DUANE, US
[86] (2894334)
[87] (2894334)
[22] 2015-06-16
[30] US (14/308,013) 2014-06-18

[11] **2,894,408**
[13] C

[51] **Int.Cl. E21B 43/38 (2006.01)**
[25] EN
[54] **DOWNHOLE GAS SEPARATOR AND METHOD**
[54] **SEPARATEUR DE GAZ DE FOND DE TROU ET PROCEDE**
[72] COBB, DELWIN E., US
[72] ARTERBURY, ROY, US
[73] COBB, DELWIN E., US
[73] ARTERBURY, ROY, US
[85] 2015-06-08
[86] 2013-12-11 (PCT/US2013/074351)
[87] (WO2014/093468)
[30] US (13/711,044) 2012-12-11

[11] **2,894,640**
[13] C

[51] **Int.Cl. E21B 33/06 (2006.01) E21B 25/00 (2006.01)**
[25] EN
[54] **REINFORCED SHEAR COMPONENTS AND METHODS OF USING SAME**
[54] **ELEMENTS DE CISAILLEMENT RENFORCES ET LEURS PROCEDES D'UTILISATION**
[72] HERED, WILLIAM A., US
[72] BARNARD, JASON J., US
[73] BAKER HUGHES INCORPORATED, US
[85] 2015-06-09
[86] 2013-11-21 (PCT/US2013/071336)
[87] (WO2014/107245)
[30] US (13/734,242) 2013-01-04

[11] **2,895,885**
[13] C

[51] **Int.Cl. F02C 9/18 (2006.01) B64D 13/02 (2006.01) B64D 33/00 (2006.01) F02C 3/06 (2006.01) F02C 7/36 (2006.01)**
[25] EN
[54] **GEARED TURBOFAN ENGINE WITH LOW PRESSURE ENVIRONMENTAL CONTROL SYSTEM FOR AIRCRAFT**
[54] **TURBOREACTEUR A DOUBLE FLUX A ENGRENAGES AVEC SYSTEME DE REGULATION ENVIRONNEMENTALE A BASSE PRESSION POUR AERONEF**
[72] SCHWARZ, FREDERICK M., US
[72] SUCIU, GABRIEL L., US
[73] UNITED TECHNOLOGIES CORPORATION, US
[86] (2895885)
[87] (2895885)
[22] 2015-06-26
[30] US (62/018,111) 2014-06-27
[30] US (62/018,129) 2014-06-27

[11] **2,895,922**
[13] C

[51] **Int.Cl. E02F 9/00 (2006.01) E02F 3/12 (2006.01) E02F 3/22 (2006.01) E02F 3/40 (2006.01) E02F 3/80 (2006.01)**
[25] EN
[54] **A METHOD FOR INSTALLING A LINER PLATE AND THE LINER PLATE**
[54] **PROCEDE D'INSTALLATION DE PLAQUE DE DOUBLAGE ET PLAQUE DE DOUBLAGE**
[72] WILSON, IAN JAMES, ID
[73] MAKURI TECHNOLOGY PTE LTD., SG
[85] 2015-06-19
[86] 2012-04-12 (PCT/SG2012/000126)
[87] (WO2013/154498)

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[11] **2,897,411**
[13] C

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[25] EN

[54] **METHODS AND DEVICE TO REDUCE SLOSH ENERGY ABSORPTION EFFECTS BY REDUCING BLOOD FLOW FROM THE CRANIUM**

[54] **PROCEDES ET DISPOSITIF DE REDUCTION DES EFFETS D'ABSORPTION DE L'ENERGIE DE BALLOTTEMENT GRACE A LA REDUCTION DE L'ECOULEMENT SANGUIN DEPUIS LE CRANE**

[72] SMITH, DAVID, US
[72] FISHER, JOSEPH ARNOLD, CA
[73] THORNHILL RESEARCH INC., CA
[73] TBI INNOVATIONS, LLC, US
[86] (2897411)
[87] (2897411)
[22] 2011-10-11
[62] 2,823,184
[30] US (61/518,117) 2011-04-29
[30] US (12/931,415) 2011-02-01

[11] **2,897,736**
[13] C

[51] **Int.Cl. B22D 11/128 (2006.01)**

[25] EN

[54] **CONTINUOUS CASTING EQUIPMENT**

[54] **INSTALLATION DE COULEE CONTINUE**

[72] IMAI, SHUNTARO, JP
[72] MARUKI, YASUO, JP
[72] MIKI, DAISUKE, JP
[72] UCHIYAMA, HIROAKI, JP
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2015-07-09
[86] 2014-04-28 (PCT/JP2014/061845)
[87] (WO2014/178369)
[30] JP (2013-096809) 2013-05-02

[11] **2,898,369**
[13] C

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 19/02 (2006.01) A61P 37/06 (2006.01) C07K 14/545 (2006.01) C07K 16/24 (2006.01)**

[25] EN

[54] **NOVEL USE OF IL-1BETA COMPOUNDS**

[54] **NOUVELLE UTILISATION DE COMPOSES IL-1BETA**

[72] LOWE, PHIL, CH
[72] GRAM, HERMANN, CH
[72] JUNG, THOMAS, CH
[72] WRIGHT, TIMOTHY, CH
[72] MUNDEL, TREVOR, CH
[73] NOVARTIS AG, CH
[86] (2898369)
[87] (2898369)
[22] 2006-10-24
[62] 2,626,214
[30] US (60/730,435) 2005-10-26
[30] US (60/742,125) 2005-12-02

[11] **2,898,779**
[13] C

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

[25] EN

[54] **USER AUTHENTICATION METHOD AND APPARATUS BASED ON AUDIO AND VIDEO DATA**

[54] **PROCEDE ET APPAREIL POUR AUTHENTIFIER UN UTILISATEUR SUR LA BASE DE DONNEES AUDIO ET VIDEO**

[72] ZHANG, XIANG, CN
[72] LU, LI, CN
[72] WANG, ERYU, CN
[72] YUE, SHUAI, CN
[72] RAO, FENG, CN
[72] LIU, HAIBO, CN
[72] LI, LU, CN
[72] LU, DULING, CN
[72] CHEN, BO, CN
[73] TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED, CN
[85] 2015-07-21
[86] 2013-11-28 (PCT/CN2013/087994)
[87] (WO2014/117583)
[30] CN (201310033654.X) 2013-01-29

[11] **2,898,793**
[13] C

[51] **Int.Cl. C03C 3/097 (2006.01) A61C 13/00 (2006.01) A61K 6/027 (2006.01) A61L 27/10 (2006.01) C03C 10/00 (2006.01) C03C 10/04 (2006.01)**

[25] EN

[54] **BLANK FOR DENTAL PURPOSES**

[54] **EBAUCHE POUR APPLICATIONS DENTAIRE**

[72] BURKE, HARALD, AT
[72] TAUCH, DIANA, CH
[72] SCHWEIGER, MARCEL, CH
[72] HOLAND, WOLFRAM, LI
[72] RITZBERGER, CHRISTIAN, CH
[72] RHEINBERGER, VOLKER, LI
[73] IVOCLAR VIVADENT AG, LI
[85] 2015-07-21
[86] 2014-02-07 (PCT/EP2014/052470)
[87] (WO2014/124879)
[30] EP (13154979.2) 2013-02-12

[11] **2,900,766**
[13] C

[51] **Int.Cl. E21D 20/00 (2006.01)**

[25] EN

[54] **ROCK BOLTER WITH ALIGNMENT MECHANISM FOR SWINGING BETWEEN DRILLING AND BOLTING**

[54] **BOULONNEUSE COMPORTANT UN MECANISME D'ALIGNEMENT PERMETTANT DE PASSER DU FORAGE AU BOULONNAGE**

[72] NELSON, YVES, CA
[73] 1311854 ONTARIO LIMITED, CA
[86] (2900766)
[87] (2900766)
[22] 2014-04-17
[62] 2,849,179

[11] **2,901,496**
[13] C

[51] **Int.Cl. B01D 17/02 (2006.01)**

[25] EN

[54] **SYSTEM, METHOD AND APPARATUS FOR TREATING MINING BYPRODUCTS**

[54] **SYSTEME, PROCEDE ET APPAREIL DE TRAITEMENT DE PRODUITS MINIERES DERIVES**

[72] FORET, TODD, US
[73] FORET PLASMA LABS, LLC, US
[85] 2015-08-20
[86] 2014-03-15 (PCT/US2014/030090)
[87] (WO2014/145349)
[30] US (61/787,293) 2013-03-15
[30] US (PCT/US2013/062941) 2013-10-01
[30] US (14/176,032) 2014-02-07

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[11] **2,902,968**
[13] C

[51] **Int.Cl. B60K 25/02 (2006.01) B60K 13/02 (2006.01) B62D 55/07 (2006.01)**
[25] EN
[54] **VEHICLE**
[54] **VEHICULE**
[72] KAI, MANABU, JP
[72] NAKAMURA, AKIHIKO, JP
[73] YAMAHA HATSUDOKI KABUSHIKI KAISHA, JP
[86] (2902968)
[87] (2902968)
[22] 2015-09-02
[30] JP (2014-197455) 2014-09-26

[11] **2,903,683**
[13] C

[51] **Int.Cl. B61F 5/32 (2006.01) B61F 5/26 (2006.01) B61F 5/40 (2006.01)**
[25] EN
[54] **LOW PROFILE SHEAR PAD AND ADAPTER**
[54] **GLISSOIR DE TRAVERSE DANSEUSE SURBAISSE ET ADAPTATEUR**
[72] EAST, DAVID M., US
[72] SAMMARTINO, GIUSEPPE, US
[72] GOLEMBIEWSKI, RONALD D., US
[73] STANDARD CAR TRUCK COMPANY, US
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[87] (2903683)
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[30] US (11/963,366) 2007-12-21

[11] **2,903,694**
[13] C

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[25] EN
[54] **HIGH PRESSURE PROPPANT BLENDING SYSTEM FOR A COMPRESSED GAS FRACTURING SYSTEM**
[54] **SYSTEME DE MELANGE D'AGENT DE SOUTENEMENT POUR UN SYSTEME DE FRACTURATION A GAZ COMPRI ME**
[72] RODELA, ANDRES, US
[72] BURNETTE, BLAKE, US
[72] GUPTA, D.V. SATYANARAYANA, US
[72] MCCARTY, WILLIAM, US
[72] AGRAWAL, GAURAV, SA
[73] BAKER HUGHES INCORPORATED, US
[86] (2903694)
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[30] US (14/570,048) 2014-12-15

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[25] EN
[54] **CROP HARVESTING MACHINE WITH A HEADER SEPARABLE FROM A TRACTOR**
[54] **MACHINE DE RECOLTE DOTEE D'UN ORGANE DE COUPE SEPARABLE D'UN TRACTEUR**
[72] ENNS, JOHN E, CA
[72] JABAL, ARVINDER S., CA
[73] MACDON INDUSTRIES LTD., CA
[86] (2904912)
[87] (2904912)
[22] 2015-09-24

[11] **2,904,913**
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[25] FR
[54] **FIXATION DEVICE FOR A STRAP WITH A SELF LOCKING BUCKLE ON A BLOWER/VACUUM AND A CORRUGATED HOSE**
[54] **DISPOSITIF DE FIXATION D'UNE SANGLE AVEC UNE BOUCLE AUTOBLOQUANTE SUR UN SOUFFLEUR/ASPIRATEUR ET UN TUYAU ONDULE**
[72] LALIBERTE, WILLIAM W. L., CA
[72] LALIBERTE, DENIS D. L., CA
[73] LALIBERTE, WILLIAM W. L., CA
[73] LALIBERTE, DENIS D. L., CA
[86] (2904913)
[87] (2904913)
[22] 2015-09-21

[11] **2,905,483**
[13] C

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[25] EN
[54] **DEVICES FOR INJECTION OF GASEOUS STREAMS INTO A BED OF FLUIDIZED SOLIDS**
[54] **DISPOSITIFS D'INJECTION DE FLUX GAZEUX DANS UN LIT DE SOLIDES FLUIDISES**
[72] CASTAGNOS, LEONCE FRANCIS, JR., US
[72] CHAN, TING YEE, US
[72] PIEPER, RONALD EUGENE, US
[72] KOLB, NORMAN PAUL, US
[73] LUMMUS TECHNOLOGY INC., US
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[54] **LINT REMOVING DEVICE**
[54] **DISPOSITIF D'ELIMINATION DE
PELUCHE DE LINGE**
[72] WOOLMAN, DANIEL, GB
[72] WOOLMAN, STUART, US
[73] WOOLMAN, DANIEL, GB
[73] WOOLMAN, STUART, US
[85] 2015-09-15
[86] 2014-04-11 (PCT/EP2014/057366)
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[30] GB (1306560.2) 2013-04-11

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[13] C

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[25] EN
[54] **WELDED PORTION INSPECTION
APPARATUS AND INSPECTION
METHOD THEREOF**
[54] **APPAREIL D'INSPECTION DE
PARTIE SOUDEE ET PROCEDE
D'INSPECTION ASSOCIE**
[72] KOBAYASHI, HIROOMI, JP
[72] FURUKAWA, MASASHI, JP
[72] UCHIDA, KEISUKE, JP
[72] SHIBATA, YOSHINORI, JP
[72] KAWAKITA, ATSUSHI, JP
[72] KISHI, HIROAKI, JP
[72] AKAMATSU, EIJI, JP
[72] IWAMOTO, YUTA, JP
[73] TOYOTA JIDOSHA KABUSHIKI
KAISHA, JP
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[25] EN
[54] **INFRARED EMITTING
CERAMICS FOR FUEL
ACTIVATION**
[54] **CERAMIQUES EMETTRICES
D'INFRAROUGES POUR
L'ACTIVATION DE CARBURANT**
[72] WEY, ALBERT C., US
[73] WEY, ALBERT C., US
[86] (2908886)
[87] (2908886)
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[25] EN
[54] **METHOD FOR COMPUTING
UNCERTAINTIES IN
PARAMETERS ESTIMATED
FROM BEAMFORMED
MICROSEISMIC SURVEY DATA**
[54] **PROCEDE DE CALCUL
D'INCERTITUDES DANS DES
PARAMETRES ESTIMES A
PARTIR DE DONNEES DE
PROSPECTION
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DE FAISCEAU**
[72] THORNTON, MICHAEL P., US
[73] MICROSEISMIC, INC., US
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[25] EN
[54] **VEHICLE-TRANSPORTABLE ICE
PLANT**
[54] **GLACIERE POUVANT ETRE
TRANSPORTEE SUR UN
VEHICULE**
[72] FOY, MARVIN SCOTT, US
[73] M & M ELECTRIC SERVICE, INC.,
US
[85] 2015-11-12
[86] 2014-05-14 (PCT/US2014/037965)
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[13] C

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[54] **COMPACT FLUID ANALYSIS
DEVICE AND METHOD TO
FABRICATE**
[54] **DISPOSITIF D'ANALYSE DE
FLUIDE COMPACT ET SON
PROCEDE DE FABRICATION**
[72] LAGAE, LIESBET, BE
[72] PEUMANS, PETER, BE
[73] IMEC VZW, BE
[85] 2015-11-19
[86] 2014-05-22 (PCT/EP2014/060591)
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[25] EN
[54] **POLYMER BUILDING PRODUCTS
WITH HAMMER STOPS**
[54] **PRODUITS DE CONSTRUCTION
EN POLYMERE DOTES DE
BUTEES DE MARTEAU**
[72] GAUDREAU, MICHEL, CA
[72] LAGLOIRE, FRANCOIS, CA
[72] ALARIE, GUILLAUME, CA
[72] BILODEAU, RENE, CA
[72] GAUDREAU, LOUIS-ANDRE, CA
[73] DERBY BUILDING PRODUCTS
INC., CA
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[54] **SPRINKLER**
[54] **GICLEUR**
[72] LO, SHUN-NAN, TW
[73] YUAN-MEI CORP., TW
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[13] C

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[25] EN
[54] **NEW ISOINDOLINE OR ISOQUINOLINE COMPOUNDS, A PROCESS FOR THEIR PREPARATION AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM**
[54] **COMPOSES D'ISOINDOLINE OU D'ISOQUINOLINE, UN PROCEDE DE PREPARATION ASSOCIE ET DES COMPOSITIONS PHARMACEUTIQUES EN RENFERMANT**
[72] DAVIDSON, JAMES EDWARD PAUL, GB
[72] MURRAY, JAMES BROOKE, GB
[72] CHEN, I-JEN, GB
[72] WALMSLEY, CLAIRE, GB
[72] DODSWORTH, MARK, GB
[72] MEISSNER, JOHANNES W.G., GB
[72] BROUGH, PAUL, GB
[72] FEJES, IMRE, HU
[72] TATAI, JANOS, HU
[72] NYERGES, MIKLOS, HU
[72] KOTSCHY, ANDRAS, HU
[72] SZLAVIK, ZOLTAN, HU
[72] GENESTE, OLIVIER, FR
[72] LE TIRAN, ARNAUD, FR
[72] LE DIGUARHER, THIERRY, FR
[72] HENLIN, JEAN-MICHEL, FR
[72] STARCK, JEROME-BENOIT, FR
[72] GUILLOUZIC, ANNE-FRANCOISE, FR
[72] DE NANTEUIL, GUILLAUME, FR
[73] VERNALIS (R&D) LIMITED, GB
[73] LES LABORATOIRES SERVIER, FR
[85] 2016-01-12
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[13] C

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[25] EN
[54] **SERVER-SIDE RATE-LIMITING ALGORITHMS FOR PIGGYBACKING SOCIAL UPDATES FOR MOBILE DEVICES**
[54] **ALGORITHMES DE LIMITATION DE DEBIT COTE SERVEUR POUR SUPERPOSER DES MISES A JOUR SOCIALES POUR DES DISPOSITIFS MOBILES**
[72] TOKSVIG, MICHAEL JOHN MCKENZIE, US
[72] PAPAPOS, MATTHEW NICHOLAS, US
[73] FACEBOOK, INC., US
[86] (2920651)
[87] (2920651)
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[30] US (13/290,000) 2011-11-04

[11] **2,921,319**
[13] C

[51] **Int.Cl. G02B 17/08 (2006.01) G02B 21/22 (2006.01) G02B 27/02 (2006.01) G02B 27/22 (2006.01)**
[25] EN
[54] **VIEWER WITH ENHANCED DEPTH PERCEPTION**
[54] **VISIONNEUSE AVEC PERCEPTION DE PROFONDEUR AMELIOREE**
[72] MERCER, GRAHAM PETER FRANCIS, GB
[73] VISION ENGINEERING LIMITED, GB
[85] 2016-02-12
[86] 2014-08-15 (PCT/EP2014/067501)
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[54] **ASHLESS COAL PRODUCTION METHOD**
[54] **PROCEDE DE PRODUCTION DE CHARBON SANS CENDRE**
[72] SAKAI, KOJI, JP
[72] OKUYAMA, NORIYUKI, JP
[72] KINOSHITA, SHIGERU, JP
[72] YOSHIDA, TAKUYA, JP
[73] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP
[85] 2016-02-29
[86] 2014-10-08 (PCT/JP2014/076982)
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[25] EN
[54] **FUNCTIONALIZED MAGNETIC NANOPARTICLES AND METHODS OF USE THEREOF**
[54] **NANOPARTICULES MAGNETIQUES FONCTIONNALISEES ET LEURS METHODES D'UTILISATION**
[72] AKHTARI, MASSOUD, US
[72] ENGEL, JEROME, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[86] (2923748)
[87] (2923748)
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[25] EN
[54] **ELECTRIC CONDUCTION STRUCTURE FOR JET ENGINE**
[54] **STRUCTURE DE CONDUCTION ELECTRIQUE POUR MOTEUR DE JET**
[72] OBUCHI, KENRO, JP
[72] YAGI, HIROYUKI, JP
[72] FURUKAWA, HIROYUKI, JP
[72] MORITA, HIDEO, JP
[72] INADA, TAKAOMI, JP
[73] IHI CORPORATION, JP
[85] 2016-03-15
[86] 2014-07-22 (PCT/JP2014/069337)
[87] (WO2015/040951)
[30] JP (2013-192712) 2013-09-18

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[13] C

[51] **Int.Cl. H04L 25/03 (2006.01)**
[25] EN
[54] **METHODS, DEVICES AND SYSTEMS FOR RECEIVING AND DECODING A SIGNAL IN THE PRESENCE OF NOISE USING SLICES AND WARPING**
[54] **PROCEDES, DISPOSITIFS ET SYSTEMES DE RECEPTION ET DE DECODAGE DE SIGNAL EN PRESENCE DE BRUIT A L'AIDE DE TRANCHES ET D'UNE DISTORSION**
[72] KUSHNER, CHERIE, US
[72] FLEMING, ROBERT, US
[72] MCALLISTER, WILLIAM H., US
[72] ZDEBLICK, MARK, US
[73] PROTEUS DIGITAL HEALTH, INC., US
[85] 2016-03-18
[86] 2014-09-19 (PCT/US2014/056576)
[87] (WO2015/042411)
[30] US (61/880,786) 2013-09-20

[11] **2,927,445**
[13] C

[51] **Int.Cl. H04N 5/232 (2006.01) H04W 88/02 (2009.01) H04N 5/225 (2006.01)**
[25] EN
[54] **APPLYING VIDEO STABILIZATION TO A MULTIMEDIA CLIP**
[54] **STABILISATION VIDEO D'UN CLIP MULTIMEDIA**
[72] KARPENKO, ALEXANDRE, US
[73] FACEBOOK, INC., US
[85] 2016-04-07
[86] 2014-10-09 (PCT/US2014/059807)
[87] (WO2015/054443)
[30] US (14/052,001) 2013-10-11

[11] **2,927,501**
[13] C

[51] **Int.Cl. H01M 2/10 (2006.01) B60S 5/06 (2006.01)**
[25] EN
[54] **POSITIVE LOCKING CONFIRMATION MECHANISM FOR BATTERY CONTACT OF ELECTRIC VEHICLE**
[54] **PROCEDE DE CONFIRMATION D'UN ETAT VERROUILLE DE CONTACT DE BATTERIE POUR VEHICULE ELECTRIQUE**
[72] YANG, ANTHONY ANTAO, CN
[72] CHEN, GORDON CHING, CN
[73] ALEES ECO ARK (CAYMAN) CO. LTD., KY
[85] 2016-04-14
[86] 2013-10-16 (PCT/CN2013/085298)
[87] (WO2015/054840)

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[13] C

[51] **Int.Cl. A47L 9/16 (2006.01)**
[25] EN
[54] **CYCLONE SEPARATING DEVICE, DUST COLLECTING ASSEMBLY AND CLEANER**
[54] **DISPOSITIF DE SEPARATION CYCLONIQUE, APPAREILLAGE DE COLLECTE DE POUSSIERE ET APPAREIL DE NETTOYAGE**
[72] GU, YOUWEI, CN
[72] GUO, YIJUN, CN
[73] JIANGSU MIDEA CLEANING APPLIANCES CO., LTD., CN
[73] MIDEA GROUP CO., LTD., CN
[86] (2927819)
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[22] 2016-04-25
[30] CN (201510542071.9) 2015-08-28
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[13] C

[51] **Int.Cl. H01T 13/41 (2006.01) H01T 1/16 (2006.01) H01T 13/50 (2006.01)**
[25] EN
[54] **HIGH-POWER BREAKDOWN SPARK PLUG**
[54] **BOUGIE D'ALLUMAGE DE CLAQUAGE HAUTE PUISSANCE**
[72] ZHENG, MING, CA
[72] YU, SHUI, CA
[72] LIU, MENGZHU, CN
[72] LI, LIGUANG, CN
[73] ZHENG, MING, CA
[86] (2927896)
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[22] 2016-04-26
[30] US (62/174,448) 2015-06-11

[11] **2,928,941**
[13] C

[51] **Int.Cl. H04R 1/02 (2006.01)**
[25] EN
[54] **WOODEN OR OTHER DIELECTRIC CAPACITIVE TOUCH INTERFACE AND LOUDSPEAKER HAVING SAME INTERFACE TACTILE CAPACITIVE DIELECTRIQUE EN BOIS OU AUTRE ET HAUT-PARLEUR AYANT CETTE DERNIERE**
[72] KOSS, MICHAEL J., US
[72] PELLAND, MICHAEL J., US
[72] BLAIR, NICHOLAS, US
[73] KOSS CORPORATION, US
[85] 2016-04-27
[86] 2014-11-04 (PCT/US2014/063847)
[87] (WO2015/084520)
[30] US (14/094,277) 2013-12-02

[11] **2,932,334**
[13] C

[51] **Int.Cl. G06F 17/30 (2006.01) H04L 12/16 (2006.01)**
[25] EN
[54] **SEARCH QUERY INTERACTIONS ON ONLINE SOCIAL NETWORKS INTERACTIONS D'INTERROGATION DE RECHERCHE SUR DES RESEAUX SOCIAUX EN LIGNE**
[72] RAINA, RAJAT, US
[72] HONG, KIHUYUK, US
[72] SANKAR, SRIRAM, US
[72] VIROCHSIRI, KITTIPAT, US
[73] FACEBOOK, INC., US
[86] (2932334)
[87] (2932334)
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[62] 2,910,864
[30] US (13/887,049) 2013-05-03

[11] **2,939,610**
[13] C

[51] **Int.Cl. G06F 21/57 (2013.01) G06F 21/55 (2013.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR REGULATING HOST SECURITY CONFIGURATION**
[54] **PROCEDES ET SYSTEMES DE REGULATION DE CONFIGURATION DE LA SECURITE HOTE**
[72] DURIE, ANTHONY ROBERT, CA
[73] TREND MICRO INCORPORATED, JP
[86] (2939610)
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[22] 2007-10-24
[62] 2,887,216

[11] **2,941,453**
[13] C

[51] **Int.Cl. B65D 88/34 (2006.01) E04H 4/10 (2006.01)**
[25] EN
[54] **FLOATING COVER WITH STRUCTURAL SUPPORTS**
[54] **REVETEMENTS FLOTTANT DOTE DE SUPPORTS STRUCTURELS**
[72] MILLS, JAMES A., CA
[73] LAYFIELD GROUP LTD., CA
[86] (2941453)
[87] (2941453)
[22] 2016-09-12

[11] **2,943,124**
[13] C

[51] **Int.Cl. A45D 40/00 (2006.01) A45D 40/24 (2006.01) A45D 40/26 (2006.01) A61K 8/02 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **DUAL-ENDED LIP BALM**
[54] **BAUME A LEVRES A DOUBLE EXTREMITE**
[72] KELLER, MATTHEW CLIFTON, US
[72] DOMBROWSKI, DAVID, US
[72] FUHRMEISTER, DAVID CHARLES, US
[72] MARKEY, JONATHON KEITH, US
[72] VALLS, WILLIAM H., US
[72] SIMMERING, ZACHARIAH S., US
[73] PFIZER INC., US
[86] (2943124)
[87] (2943124)
[22] 2016-09-26
[30] US (62/289,424) 2016-02-01

[11] **2,943,713**
[13] C

[51] **Int.Cl. G06F 17/30 (2006.01) G06F 17/00 (2006.01)**
[25] EN
[54] **BLENDING SEARCH RESULTS ON ONLINE SOCIAL NETWORKS**
[54] **MELANGE DE RESULTATS DE RECHERCHE SUR DES RESEAUX SOCIAUX EN LIGNE**
[72] KUMAR, GIRISH, US
[72] KESTEN, YUVAL, US
[72] LI, XIAO, US
[72] LOPIANO, FABIO, US
[73] FACEBOOK, INC., US
[85] 2016-09-22
[86] 2014-04-04 (PCT/US2014/032921)
[87] (WO2015/152936)
[30] US (14/244,748) 2014-04-03

[11] **2,944,210**
[13] C

[51] **Int.Cl. C07D 309/40 (2006.01) A61K 31/351 (2006.01) A61P 7/06 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS**
[54] **FORMES CRISTALLINES DE MALTOL FERRIQUE**
[72] CHILDS, DAVID PAUL, GB
[73] SHIELD TX (UK) LTD., GB
[85] 2016-07-27
[86] 2015-10-23 (PCT/EP2015/074653)
[87] (WO2016/066555)
[30] GB (1419174.6) 2014-10-28

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[13] C

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[25] EN
[54] **INTELLIGENT SUPPORT BOX FOR ELECTRIC HYBRID SWITCHES, POWER OUTLETS AND COMBINATIONS THEREOF**
[54] **BOITIER DE SUPPORT INTELLIGENT POUR COMMUTATEURS HYBRIDES ELECTRIQUES, PRISES DE COURANT ET LEURS COMBINAISONS**
[72] ELBERBAUM, DAVID, JP
[73] ELBEX VIDEO LTD., JP
[85] 2016-09-28
[86] 2015-02-26 (PCT/US2015/017751)
[87] (WO2015/148042)
[30] US (14/225,948) 2014-03-26

[11] **2,946,173**

[13] C

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[25] EN
[54] **BEVERAGE CAN COUPLINGS**
[54] **ACCOUPLLEMENTS DE BOITES BOISSONS**
[72] GRIERSON, MICHAEL, CA
[72] CAMPION, DAVID, CA
[73] LOJIX INC., CA
[85] 2016-10-18
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[25] EN
[54] **FLUID PUMPING SYSTEM WITH A CONTINUOUSLY VARIABLE TRANSMISSION**
[54] **SYSTEME DE POMPAGE DE LIQUIDE DOTE D'UNE TRANSMISSION VARIABLE EN CONTINU**
[72] YOUNKER, KEVIN RALPH, CA
[73] YOUNKER, KEVIN RALPH, CA
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[25] EN
[54] **MOTOR WITH STATOR WINDING TAP AND METHODS FOR STARTING A MOTOR WITH A VARIABLE SPEED DRIVE**
[54] **MOTEUR A PRISE D'ENROULEMENT DE STATOR ET PROCEDES DE DEMARRAGE D'UN MOTEUR A ENTRAINEMENT A VITESSE VARIABLE**
[72] LARA, MARCELO A., US
[73] TMEIC CORPORATION, US
[85] 2016-10-28
[86] 2015-05-06 (PCT/US2015/029340)
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[54] **PLUG FLOW REACTOR WITH INTERNAL RECIRCULATION FLUIDIZED BED**
[54] **REACTEUR A ECOULEMENT PISTON AVEC LIT FLUIDISE A RECIRCULATION INTERNE**
[72] ADHAM, KAMAL, CA
[72] HARRIS, CHRISTOPHER THOMAS, CA
[72] KOKOURINE, ALEXANDRE, CA
[73] HATCH LTD., CA
[85] 2016-12-09
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[25] FR
[54] **METHOD FOR DETECTING A VALVE FAILURE IN A TURBOSHAFT ENGINE**
[54] **PROCEDE DE DETECTION DE PANNE D'UNE VANNE DANS UN TURBOMOTEUR**
[72] PEROTIN, LAURENT, FR
[72] AMER, MOHAMED, FR
[72] DJELASSI, CEDRIK, FR
[72] TOUYA, JULIE, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
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[25] EN
[54] **INFECTION CONTROL CHAMBER-DISPOSABLE LINER**
[54] **DOUBLURE JETABLE DE CHAMBRE DE CONTROLE D'INFECTION**
[72] WILSON, BRIAN, CA
[71] WILSON, BRIAN, CA
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[54] **TURBOSPINE**
[54] **COLONNE TURBO**
[72] REZAI, SOHRAB, CA
[71] REZAI, SOHRAB, CA
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[13] A1
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[25] EN
[54] **ASYMMETRIC CRYPTO MANAGER**
[54] **GESTIONNAIRE DE CHIFFREMENT ASYMETRIQUE**
[72] NIRO, RONNY, CA
[71] NIRO, RONNY, CA
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[25] EN
[54] **WELL ABANDONMENT TOOL AND METHOD OF USE**
[54] **OUTIL D'ABANDON DE Puits ET METHODE D'UTILISATION**
[72] KUNZ, DALE, CA
[71] KUNZ, DALE, CA
[22] 2015-12-04
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[13] A1
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[25] EN
[54] **VERTICAL STORAGE AND DISPLAY SYSTEM FOR FOOTWEAR AND ACCESSORY APPAREL**
[54] **SYSTEME DE PRESENTATION ET RANGEMENT VERTICAL DE CHAUSSURES ET VETEMENTS ACCESSOIRES**
[72] MCNABB, RANDY E.A., CA
[71] MCNABB, RANDY E.A., CA
[22] 2015-12-07
[41] 2017-06-07

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[51] **Int.Cl. C10G 31/08 (2006.01) H01M 8/0662 (2016.01) B01D 3/00 (2006.01)**
[25] EN
[54] **UPGRADING OIL USING SUPERCRITICAL FLUIDS**
[54] **VALORISATION DU PETROLE A L'AIDE DE FLUIDES SUPERCRITIQUES**
[72] MILLAR, MACKENZIE, CA
[72] LOURENCO, JOSE, CA
[71] 1304338 ALBERTA LTD., CA
[71] 1304342 ALBERTA LTD., CA
[22] 2015-12-07
[41] 2017-06-07

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[51] **Int.Cl. G06Q 50/22 (2012.01) A61B 5/00 (2006.01) G06F 19/00 (2011.01)**
[25] EN
[54] **METHODS AND APARATUS FOR THE DETECTION AND REDUCTION OF HEALTH RISKS**
[54] **METHODES ET APPAREILS DE DETECTION ET REDUCTION DES RISQUES POUR LA SANTE**
[72] YAO, HSIN-YUN, CA
[72] LAUGHLIN, SCOTT, CA
[72] LIBERTY, MATHIEU, CA
[72] CHAU, BONNIE, CA
[72] ADDIYA, ADIL, CA
[72] TIGE, QUENTIN, CA
[72] EL KABBAJ, AIDA, CA
[71] YAO, HSIN-YUN, CA
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[25] EN
[54] **SYNTHETIC HYDROXIDE COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS D'HYDROXYDE SYNTHETIQUES ET LEURS UTILISATIONS**
[72] PURDY, CLAY, CA
[72] THATCHER, DARREN, CA
[72] JAMIESON, ALEXANDER DAVID, CA
[71] FLUID ENERGY GROUP LTD., CA
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[54] **TAIL GATE LATCH EXTENSION**
[54] **RALLONGE DE VERROU DE HAYON**
[72] MACKENZIE, DAVID P., CA
[71] MACKENZIE, DAVID P., CA
[22] 2015-12-08
[41] 2017-06-08

[21] **2,914,162**
[13] A1

[51] **Int.Cl. F24D 13/02 (2006.01)**
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[54] **EFFICIENT ASSEMBLED HEATING ELEMENTS OF LARGE SIZES AND OF METALLIC TUBULAR DESIGNS FOR ELECTRIC RADIANT HEATERS**
[54] **ELEMENTS DE CHAUFFAGE ASSEMBLES EFFICACES DE GRANDES TAILLES ET MODELES TUBULAIRES METALLIQUES DESTINES AUX APPAREILS DE CHAUFFAGE PAR RAYONNEMENT**
[72] GAGNON, GILLES, CA
[71] TEMP4 INC., CA
[22] 2015-12-08
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[21] **2,914,166**
[13] A1

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[54] **HIGH DENSITY ROTOMOLDING RESIN**
[54] **RESINE ROTOMOULANTE HAUTE DENSITE**
[72] BELLEHUMEUR, CELINE, CA
[72] HOIDAS, MARK, CA
[71] NOVA CHEMICALS CORPORATION, CA
[22] 2015-12-08
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[21] **2,914,225**
[13] A1

[51] **Int.Cl. A41D 3/00 (2006.01)**
[25] EN
[54] **SEPARABLE COVERALL GARMENT AND USES**
[54] **VETEMENT COUVRE-TOUT SEPARABLE ET UTILISATIONS**
[72] SHINGLETON, KEITH, CA
[72] GAUTHIER, DWAYNE, CA
[72] GAUTHIER, DARREN, CA
[71] CSC WORKWEAR INC., CA
[22] 2015-12-04
[41] 2017-06-04

[21] **2,914,246**
[13] A1

[51] **Int.Cl. B60K 15/00 (2006.01)**
[25] EN
[54] **VEHICLE NATURAL GAS FUEL SUPPLY SYSTEM**
[54] **SYSTEME D'APPROVISIONNEMENT EN GAZ NATUREL POUR VEHICULE**
[72] MCCLURE, CALUM, CA
[71] MCCLURE, CALUM, CA
[22] 2015-12-09
[41] 2017-06-09

[21] **2,914,264**
[13] A1

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[25] EN
[54] **DERMATOLOGICAL STICK COMPRISING PLANT EXTRACTS, METHOD AND USES THEREOF**
[54] **BATON DERMATOLOGIQUE RENFERMANT DES EXTRAITS VEGETAUX, METHODE ET UTILISATIONS ASSOCIEES**
[72] PALMEIRA DE OLIVEIRA, ANA CRISTINA, PT
[72] PALMEIRA DE OLIVEIRA, RITA MANUELA, PT
[72] MARTINEZ SOUTO DE OLIVEIRA, JOSE ANTONIO, PT
[71] PALMEIRA DE OLIVEIRA, ANA CRISTINA, PT
[71] PALMEIRA DE OLIVEIRA, RITA MANUELA, PT
[71] MARTINEZ SOUTO DE OLIVEIRA, JOSE ANTONIO, PT
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[41] 2017-06-09

[21] **2,914,298**
[13] A1

[51] **Int.Cl. A61M 39/00 (2006.01) B25B 9/02 (2006.01) B25B 27/00 (2006.01)**
[25] EN
[54] **MEDICAL TORSION TOOL**
[54] **OUTIL DE TORSION MEDICAL**
[72] DOELL, MICHAEL, CA
[72] PLUMMER, MARIA, CA
[72] IENNA, CORINNA, CA
[71] INGENYEWITY INC., CA
[22] 2015-12-07
[41] 2017-06-07

[21] **2,914,315**
[13] A1

[51] **Int.Cl. B67C 3/14 (2006.01)**
[25] EN
[54] **HOT FILL PROCESS WITH CLOSURES MADE FROM HIGH DENSITY UNIMODAL POLYETHYLENE**
[54] **PROCEDE DE REMPLISSAGE A CHAUD COMPORTANT DES FERMETURES FAITES DE POLYETHYLENE UNIMODAL HAUTE DENSITE**
[72] WANG, XIAOCHUAN, CA
[72] REJMAN, MARK, CA
[72] LEWONIUK, RONALD WILLIAM, CA
[72] GIBBONS, IAN ROBERT, CA
[72] BRUSSET, ERIC PAUL, CA
[71] NOVA CHEMICALS CORP., CA
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[41] 2017-06-09

[21] **2,914,324**
[13] A1

[51] **Int.Cl. B23K 9/12 (2006.01)**
[25] EN
[54] **VERTICAL UPWARD WELDING IN WHICH WIRE FEED IS INTERRUPTED**
[54] **SOUDAGE VERTICAL VERS LE HAUT DANS LEQUEL L'ALIMENTATION DU FIL EST INTERROMPUE**
[72] HABEROTH, EDWARD A., CA
[71] BAZIUK HOLDINGS LTD., CA
[71] HABEROTH, EDWARD A., CA
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[25] EN

[54] **APTAMERS, NUCLEIC ACID MOLECULES, POLYNUCLEOTIDES, SYNTHETIC ANTIBODIES COMPOSITIONS FOR DETECTING PRRS VIRUSES AND TREATING PRRS VIRUS INFECTION**

[54] **APTAMERES, MOLECULES D'ACIDE NUCLEIQUE, POLYNUCLEOTIDES, COMPOSITIONS D'ANTICORPS SYNTHETIQUES DESTINES A LA DETECTION DES VIRUS SRRP ET AU TRAITEMENT DE L'INFECTION AU VIRUS SRRP**

[72] MARCHAND, NORMAN J., CA
[72] CALTAGIRONE, G. THOMAS, US
[72] LIAO, ALBERT, US
[71] AEROVIRUS TECHNOLOGIES INC., CA

[22] 2015-12-10
[41] 2017-06-10

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[13] A1

[51] **Int.Cl. B67C 3/14 (2006.01)**

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[54] **HOT FILL PROCESS WITH CLOSURES MADE FROM HIGH DENSITY POLYETHYLENE COMPOSITIONS**

[54] **PROCEDE DE REMPLISSAGE A CHAUD COMPORTANT DES FERMETURES FAITES DE COMPOSITIONS DE POLYETHYLENE UNIMODAL HAUTE DENSITE**

[72] WANG, XIAOCHUAN, CA
[71] NOVA CHEMICALS CORP., CA

[22] 2015-12-10
[41] 2017-06-10

[21] **2,914,354**
[13] A1

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[25] EN

[54] **HOT FILL PROCESS WITH CLOSURES MADE FROM BIMODAL POLYETHYLENE COMPOSITIONS**

[54] **PROCEDE DE REMPLISSAGE A CHAUD COMPORTANT DES FERMETURES FAITES DE COMPOSITIONS DE POLYETHYLENE BIMODAL**

[72] WANG, XIAOCHUAN, CA
[71] NOVA CHEMICALS CORP., CA

[22] 2015-12-10
[41] 2017-06-10

[21] **2,914,588**
[13] A1

[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 30/06 (2012.01) G06Q 50/18 (2012.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR PROMOTING, OFFERING FOR SALE/LICENSE AND SELLING/LICENSING NATIONAL AND REGIONAL PATENT APPLICATION RIGHTS ASSOCIATED WITH PUBLISHED/UNPUBLISHED UNEXPIRED PCT PATENT APPLICATIONS AND/OR UNEXPIRED NATIONAL PATENT APPLICATION RIGHTS AND PRIORITY RIGHTS UNDER THE PARIS CONVENTION**

[54] **METHODE ET SYSTEME DE PROMOTION, OFFRE DE VENTE/LICENCE ET VENTE/LICENCE DE DROITS DE DEMANDE DE BREVET NATIONAL ET REGIONAL ASSOCIE A DES DEMANDES DE BREVET PCT NON ECHU PUBLIE/NON PUBLIES ET/OU DES DROITS DE DEMANDE DE BREVET NATIONAL NON ECHU ET DROITS DE PRIORITE ET DROITS DE PRIORITE EN VERTU DE LA CONVENTION DE PARIS**

[72] KERR, PHILIP BRIAN, CA
[72] FUCHS, JUERGEN, CA
[72] CROUCH, ROBIN TIMOTHY, CA
[71] PCTXS INC., CA

[22] 2015-12-10
[41] 2017-06-10

[21] **2,914,598**
[13] A1

[51] **Int.Cl. E02D 5/56 (2006.01) E02D 5/54 (2006.01)**

[25] EN

[54] **HELICAL PILE COUPLER, ASSEMBLY AND METHOD**

[54] **RACCORD DE PIEU HELICOIDAL, ENSEMBLE ET METHODE**

[72] LI, BAOCHENG, CA
[71] 351471 ALBERTA LTD., CA

[22] 2015-12-08
[41] 2017-06-08

[21] **2,914,634**
[13] A1

[51] **Int.Cl. E04F 21/16 (2006.01)**

[25] EN

[54] **THE SMOOTHING/LEVELING TOOL**

[54] **L'OUTIL DE LISSAGE/MISE A NIVEAU**

[71] ZBIGNIEW, SZOT Z.S., CA

[22] 2015-12-04
[41] 2017-06-04

[21] **2,914,722**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01) G01N 33/48 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **METHOD FOR DETERMINING A SUPPLEMENT COMPOSITION FOR PREVENTING DEVELOPMENT OF DRY INTERMEDIATE AGE-RELATED MACULAR DEGENERATION**

[54] **METHODE DE DETERMINATION D'UNE COMPOSITION DE SUPPLEMENT DESTINEE A PREVENIR LE DEVELOPPEMENT DE DEGENERESCENCE MACULAIRE INTERMEDIAIRE SECHE LIEE A L'AGE**

[72] KUSTRA, RAFAL, CA
[72] ZANKE, BRENT, CA
[71] ARCTICDX, INC., CA

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[13] A1

[51] **Int.Cl. F42B 6/10 (2006.01)**
[25] EN
[54] **A LEAD FREE FRANGIBLE AIR GUN BB AND METHOD OF MAKING SAME**
[54] **ARME BB A AIR FRANGIBLE EXEMPT DE PLOMB ET METHODE DE FABRICATION ASSOCIEE**
[72] LEBLANC, RUSSELL, CA
[71] LEBLANC, RUSSELL, CA
[22] 2015-12-10
[41] 2017-06-10

[21] **2,916,982**
[13] A1

[51] **Int.Cl. E21B 43/26 (2006.01) E21B 33/134 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **COLLET BAFFLE SYSTEM AND METHOD FOR FRACKING A HYDROCARBON FORMATION**
[54] **SYSTEME DE CHICANE A COLLET ET METHODE DE FRACTURATION D'UNE FORMATION D'HYDROCARBURE**
[72] NORDHEIMER, DAVID, CA
[72] ROJAS, DANIEL, US
[71] SC ASSET CORPORATION, CA
[22] 2016-01-08
[41] 2017-06-06

[21] **2,917,677**
[13] A1

[51] **Int.Cl. B65D 5/18 (2006.01) B65D 5/42 (2006.01)**
[25] EN
[54] **RECYCLABLE LEAK RESISTANT CORRUGATED BOX**
[54] **BOITE ONDULEE ANTIFUITE RECYCLABLE**
[72] BUGAS, PETER A., US
[71] INTERSTATE CORRPACK LLC, US
[22] 2016-01-14
[41] 2017-06-09
[30] US (62/265,162) 2015-12-09

[21] **2,922,042**
[13] A1

[51] **Int.Cl. F04C 18/344 (2006.01) F04C 25/02 (2006.01) F04C 29/12 (2006.01)**
[25] EN
[54] **HIGH VOLUME VACUUM PUMP FOR CONTINUOUS OPERATION**
[54] **POMPE A VIDE A GRAND VOLUME DESTINEE A UNE OPERATION EN CONTINU**
[72] ROBILLARD, BRUCE, CA
[71] CLAY VALLEY HOLDINGS INC., CA
[22] 2016-02-29
[41] 2017-06-04
[30] US (14/959,022) 2015-12-04

[21] **2,927,683**
[13] A1

[51] **Int.Cl. G01M 15/00 (2006.01) G01M 15/14 (2006.01) G01N 15/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DIAGNOSING A CONDITION OF AN ENGINE USING LUBRICATING FLUID ANALYSIS**
[54] **METHODE ET SYSTEME DE DIAGNOSTIC D'UN ETAT D'UN MOTEUR AU MOYEN DE L'ANALYSE DES LIQUIDES LUBRIFIANTS**
[72] JEAN, MAURICE, CA
[72] MEILLEUR, DANIEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2016-04-20
[41] 2017-06-08
[30] US (14/962,389) 2015-12-08

[21] **2,928,326**
[13] A1

[51] **Int.Cl. F02M 13/08 (2006.01) F02D 19/06 (2006.01) F02M 13/06 (2006.01)**
[25] EN
[54] **OIL-GAS DUAL-PURPOSE INTEGRATED SWITCH**
[54] **COMMUTATEUR INTEGRE DOUBLE FONCTION PETROLE-GAZ**
[72] ZHANG, BO, CN
[72] YANG, QUAN, CN
[72] ZOU, WEN-BIN, CN
[72] DU, JING-HUA, CN
[71] CHONGQING RATO TECHNOLOGY CO., LTD., CN
[22] 2016-04-28
[41] 2017-06-08
[30] CN (201510896763.3) 2015-12-08

[21] **2,928,849**
[13] A1

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[25] EN
[54] **UTILITY VEHICLE**
[54] **VEHICULE UTILITAIRE**
[72] PETERSON, SHAWN D., US
[72] HOUKOM, AUSTIN L., US
[71] POLARIS INDUSTRIES INC., US
[22] 2016-05-04
[41] 2017-06-10
[30] US (14/965226) 2015-12-10

[21] **2,932,625**
[13] A1

[51] **Int.Cl. F21K 9/23 (2016.01) F21K 9/235 (2016.01) F21K 9/237 (2016.01) F21K 9/238 (2016.01) F21V 21/008 (2006.01)**
[25] EN
[54] **LIGHTING ARRANGEMENT**
[54] **DISPOSITIF D'ECLAIRAGE**
[72] YANG, SHAO KUN, CA
[71] KUZCO LIGHTING, CA
[22] 2016-06-10
[41] 2017-06-07
[30] US (14/960,529) 2015-12-07

[21] **2,934,821**
[13] A1

[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
[71] PELICAN INTERNATIONAL INC., CA
[22] 2016-06-29
[41] 2017-06-05

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[21] **2,936,600**
[13] A1

[51] **Int.Cl. B32B 5/06 (2006.01) A47G 27/02 (2006.01) B32B 3/06 (2006.01) D05C 15/00 (2006.01)**

[25] EN

[54] **FLOOR MATS WITH MICROFIBER BACKING MATERIAL**

[54] **TAPIS DE PLANCHER DOTE D'UN MATERIAU D'ENDOS A MICROFIBRE**

[72] HURT, KEVIN, US

[71] VIAM MANUFACTURING, INC., US

[22] 2016-07-20

[41] 2017-06-04

[30] US (14/960,037) 2015-12-04

[21] **2,940,964**
[13] A1

[51] **Int.Cl. G01M 1/38 (2006.01)**

[25] EN

[54] **BALANCING METHOD FOR BALANCING AT HIGH SPEED A ROTOR OF A ROTARY MACHINE**

[54] **METHODE D'EQUILIBRAGE DESTINEE A L'EQUILIBRAGE A HAUTE VITESSE D'UN ROTOR D'UNE MACHINE ROTATIVE**

[72] SCHROEDER, ULRICH, FR

[71] SKF MAGNETIC MECHATRONICS, FR

[22] 2016-09-02

[41] 2017-06-10

[30] EP (15306970.3) 2015-12-10

[21] **2,941,481**
[13] A1

[51] **Int.Cl. A23L 25/00 (2016.01) A23L 29/00 (2016.01) A23L 29/10 (2016.01) A23L 33/105 (2016.01) A23D 7/005 (2006.01) A23L 3/3472 (2006.01) A23L 3/3481 (2006.01)**

[25] EN

[54] **ALMOND-BASED FOOD PRODUCTS WITH IMPROVED TASTE CHARACTERISTICS**

[54] **PRODUITS ALIMENTAIRES A BASE D'AMANDE AYANT DES CARACTERISTIQUES DE GOUT AMELIOREES**

[72] BRINGE, NEAL ALLAN, US

[71] WHITEWAVE SERVICES, INC., US

[22] 2016-09-09

[41] 2017-06-04

[30] US (14/960,033) 2015-12-04

[21] **2,942,226**
[13] A1

[51] **Int.Cl. B01D 53/02 (2006.01)**

[25] EN

[54] **METHOD FOR CONTROLLING TWO CONTAMINANTS IN A GAS STREAM**

[54] **METHODE DE CONTROLE DE DEUX CONTAMINANTS DANS UN FLUX DE GAZ**

[72] EDWARDS, PAUL, CA

[71] VITALAIRE CANADA INC., CA

[22] 2016-09-16

[41] 2017-06-06

[30] US (15/171,685) 2016-06-02

[21] **2,943,251**
[13] A1

[51] **Int.Cl. B23K 9/095 (2006.01) B23K 9/12 (2006.01) B23K 9/32 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR AUTOMATED ROOT PASS WELDING**

[54] **SYSTEMES ET METHODES DE SOUDURE D'AMORCAGE AUTOMATISEE**

[72] ALBRECHT, BRUCE PATRICK, US

[72] BARHORST, STEVEN EDWARD, US

[71] ILLINOIS TOOL WORKS INC., US

[22] 2016-09-27

[41] 2017-06-07

[30] US (14/961,263) 2015-12-07

[21] **2,943,252**
[13] A1

[51] **Int.Cl. B23K 9/173 (2006.01) B23K 35/04 (2006.01) B23K 35/24 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR WELDING ZINC-COATED WORKPIECES**

[54] **SYSTEMES ET METHODES DE SOUDURE DE PIECES DE TRAVAIL REVETUES DE ZINC**

[72] BARHORST, STEVEN EDWARD, US

[72] BUNDY, JOSEPH C., US

[72] AMATA, MARIO ANTHONY, US

[72] HEFLIN-KING, TRE' DORELL, US

[71] HOBART BROTHERS COMPANY, US

[22] 2016-09-27

[41] 2017-06-04

[30] US (14/959,820) 2015-12-04

[21] **2,943,969**
[13] A1

[51] **Int.Cl. A61F 13/511 (2006.01)**

[25] EN

[54] **SANITARY NAPKIN**

[54] **SERVIETTE HYGIENIQUE**

[72] CHIEN, YUAN-CHENG, TW

[71] CHIEN, YUAN-CHENG, TW

[22] 2016-09-30

[41] 2017-06-07

[30] TW (104140895) 2015-12-07

[21] **2,944,104**
[13] A1

[51] **Int.Cl. B32B 27/04 (2006.01) B32B 7/12 (2006.01) B32B 21/06 (2006.01) B32B 27/18 (2006.01)**

[25] EN

[54] **INCOMBUSTIBLE, NON-TELEGRAPHING SUBSTRATES FOR AVIATION PANEL ASSEMBLIES AND METHODS FOR INSTALLING THE INCOMBUSTIBLE, NON-TELEGRAPHING SUBSTRATE INTO AN AVIATION PANEL ASSEMBLY**

[54] **SUBSTRATS NON COMBUSTIBLES, NON TRANSPARENTS DESTINES A DES ASSEMBLAGES DE PANNEAU D'AVIATION ET METHODES D'INSTALLATION DU SUBSTRAT NON COMBUSTIBLE ET NON TRANSPARENT DANS UN ASSEMBLAGE DE PANNEAU D'AVIATION**

[72] CHAPMAN, CHRISTOPHER L., US

[72] AGARWAL, ASHISH KUMAR, IN

[72] REDDY, CHANA KESAVA, IN

[71] GOODRICH CORPORATION, US

[22] 2016-10-03

[41] 2017-06-09

[30] US (14/964,173) 2015-12-09

Demandes canadiennes mises à la disponibilité du public
4 juin 2017 au 10 juin 2017

[21] **2,944,106**
[13] A1

[51] **Int.Cl. G01L 19/02 (2006.01) B64D 43/00 (2006.01) G01C 9/00 (2006.01) G01P 5/165 (2006.01)**

[25] EN

[54] **AIR DATA PROBE WITH ELLIPTICAL CROSS SECTION**

[54] **SONDE DE DONNEES D'AIR A SECTION TRANSVERSALE ELLIPTIQUE**

[72] BRUSIUS, NATHAN, US

[71] ROSEMOUNT AEROSPACE INC., US

[22] 2016-10-03

[41] 2017-06-10

[30] US (62/265,500) 2015-12-10

[21] **2,944,107**
[13] A1

[51] **Int.Cl. B64D 43/00 (2006.01)**

[25] EN

[54] **SYNTHETIC AIR DATA OUTPUT GENERATION**

[54] **PRODUCTION DE SORTIE DE DONNEES D'AIR SYNTHETIQUE**

[72] ANDERSON, KAARE JOSEF, US

[72] MATHEIS, BRIAN DANIEL, US

[72] HONGERHOLT, DERRICK D., US

[72] KUNIK, WILLIAM, US

[71] ROSEMOUNT AEROSPACE INC., US

[22] 2016-10-03

[41] 2017-06-08

[30] US (14/962,137) 2015-12-08

[21] **2,944,188**
[13] A1

[51] **Int.Cl. B21D 22/28 (2006.01) B21D 51/54 (2006.01) B60R 21/217 (2011.01)**

[25] EN

[54] **METHOD FOR PRODUCTION OF A COMBUSTION CHAMBER TUBE FOR RESTRAINT SYSTEMS IN VEHICLES AND DEVICE FOR IMPLEMENTATION OF THE METHOD**

[54] **METHODE DE PRODUCTION D'UN TUBE DE CHAMBRE DE COMBUSTION DESTINE AUX SYSTEMES DE RETENUE DANS LES VEHICULES ET DISPOSITIF DE MISE EN OEUVRE DE LA METHODE**

[72] BURGER, MANUEL, DE

[71] FAMILIE BURGER GBR

VERTRETUNGSBERECHTIGTE GESELLSCHAFTER: MERCEDES BURGER, GEORG BURGER, BERNHARD BURGER, MANUEL BURGER, CHRISTINA BURGER, DIANA BURGER, DE

[22] 2016-10-04

[41] 2017-06-08

[30] DE (10 2015 121 326.5) 2015-12-08

[21] **2,945,971**
[13] A1

[51] **Int.Cl. H02K 11/215 (2016.01)**

[25] EN

[54] **DEVICE FOR DETECTING THE AXIAL POSITION OF A ROTOR SHAFT AND ITS APPLICATION TO A ROTARY MACHINE**

[54] **DISPOSITIF DE DETECTION DE LA POSITION AXIALE D'UN ARBRE DE ROTOR ET SON APPLICATION A UNE MACHINE ROTATIVE**

[72] CARRASCO, EDUARDO, FR

[72] SCHROEDER, ULRICH, FR

[71] SKF MAGNETIC MECHATRONICS, FR

[22] 2016-10-21

[41] 2017-06-10

[30] EP (15306968.7) 2015-12-10

[21] **2,947,170**
[13] A1

[51] **Int.Cl. A22C 11/02 (2006.01) A23P 20/20 (2016.01)**

[25] EN

[54] **METHOD AND DEVICE FOR FILLING OF SAUSAGE SLEEVES**

[54] **METHODE ET DISPOSITIF DE REMPLISSAGE D'ENVELOPPE DE SAUCISSE**

[72] BETZ, ANDREAS, DE

[72] BACHTLE, MANFRED, DE

[72] SCHLIESSER, GERHARD, DE

[72] RESTLE, CHRISTIAN, DE

[72] OSSWALD, FLORIAN, DE

[71] ALBERT HANDTMANN MASCHINENFABRIK GMBH & CO. KG, DE

[22] 2016-10-28

[41] 2017-06-07

[30] EP (15 198 179.2) 2015-12-07

[21] **2,947,173**
[13] A1

[51] **Int.Cl. H01R 24/28 (2011.01) H02G 3/14 (2006.01) H02G 11/00 (2006.01)**

[25] EN

[54] **FUNCTIONAL INDOOR ELECTRICAL WALL OUTLET COVER**

[54] **COUVRE-PRISE ELECTRIQUE MURAL INTERIEUR FONCTIONNEL**

[72] INSALACO, MICHAEL GEORGE, US

[71] SOCKET SOLUTIONS, LLC, US

[22] 2016-11-01

[41] 2017-06-07

[30] US (15/099,559) 2016-04-14

[30] US (15/224,496) 2016-07-29

[21] **2,947,188**
[13] A1

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

[25] EN

[54] **USING RADAR DERIVED LOCATION DATA IN A GPS LANDING SYSTEM**

[54] **UTILISATION DE DONNEES D'EMPLACEMENT DERIVEES PAR RADAR DANS UN SYSTEME D'ATTERRISSAGE PAR GPS**

[72] ARNOLD, LARRY DEAN, US

[71] THE BOEING COMPANY, US

[22] 2016-11-01

[41] 2017-06-04

[30] US (14/959125) 2015-12-04

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[21] **2,947,258**
[13] A1

[51] **Int.Cl. B62M 6/40 (2010.01)**
[25] EN
[54] **INTEGRATED MID DRIVE ELECTRIC BICYCLE PROPULSION SYSTEM**
[54] **SYSTEME DE PROPULSION POUR BICYCLETTE ELECTRIQUE A ENTRAINEMENT MI-PARCOURS INTEGRE**
[72] HAYSLETT, STEVEN L., US
[72] LANNEN, RICHARD J., US
[72] COLE, LAWRENCE G., US
[72] SWALES, SHAWN H., US
[72] JAGER, JIRI, CZ
[72] RIHA, MAREK, CZ
[72] KORECKEK, PAVEL, CZ
[72] WILLIAMS, CAMERON PHILIP, US
[71] GM GLOBAL TECHNOLOGY OPERATIONS LLC, US
[22] 2016-11-02
[41] 2017-06-04
[30] US (14/959,607) 2015-12-04

[21] **2,947,260**
[13] A1

[51] **Int.Cl. B01F 17/52 (2006.01) C09B 67/20 (2006.01) C09C 3/10 (2006.01)**
[25] EN
[54] **AQUEOUS PIGMENT DISPERSION**
[54] **DISPERSION DE PIGMENT AQUEUX**
[72] DEROCHER, JONATHAN P., US
[72] HENDERSON, KEVIN J., US
[72] SAN MIGUEL RIVERA, LIDARIS, US
[72] VAN DYK, ANTONY K., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[22] 2016-11-02
[41] 2017-06-09
[30] US (62/264,920) 2015-12-09

[21] **2,947,556**
[13] A1

[51] **Int.Cl. G01C 23/00 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR IDENTIFYING TERRAIN SUITABLE FOR AIRCRAFT LANDING**
[54] **METHODES ET APPAREILS D'IDENTIFICATION DE TERRAINS CONVENANT A L'ATTERISSAGE D'UN AERONEF**
[72] SRIVASTAV, AMIT, US
[72] PIKE, TRAVIS, US
[72] DIVAKARAN, SAJEEV ACHUTHAN, US
[72] GARBHAM, SREEDHAR, US
[72] IDUPUNUR, KRISHNA, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2016-11-03
[41] 2017-06-08
[30] US (14/962,438) 2015-12-08

[21] **2,947,567**
[13] A1

[51] **Int.Cl. A61J 1/20 (2006.01) A61J 1/14 (2006.01) A61J 1/22 (2006.01) B25J 19/02 (2006.01) A61B 34/30 (2016.01)**
[25] EN
[54] **SYRINGE NEEDLE POSITION AND DEVIATION CORRECTION METHOD IN A MACHINE FOR THE AUTOMATIC PREPARATION OF INTRAVENOUS MEDICATION**
[54] **METHODE DE CORRECTION DE DEVIATION ET DE POSITION DE SERINGUE DANS UNE MACHINE EN VUE DE LA PREPARATION AUTOMATIQUE DE MEDICAMENT INTRA VEINEUX**
[72] RUBIO AGUILERA, JAVIER, ES
[72] CASANOVA MONTPEYO, ORIOL, ES
[71] GRIFOLS ENGINEERING, S.A., ES
[22] 2016-11-03
[41] 2017-06-04
[30] ES (201531768) 2015-12-04

[21] **2,947,580**
[13] A1

[51] **Int.Cl. E04F 13/22 (2006.01)**
[25] EN
[54] **WALL ANCHOR WITH HOLLOW BODY**
[54] **ANCRAGE MURAL A CORPS CREUX**
[72] HOHMANN, RONALD P., JR., US
[71] MITEK HOLDINGS, INC., US
[22] 2016-11-04
[41] 2017-06-04
[30] US (14/959,953) 2015-12-04

[21] **2,948,004**
[13] A1

[51] **Int.Cl. A63B 60/14 (2015.01)**
[25] EN
[54] **LIGHTWEIGHT MULTICOLOR COMPRESSION MOLDED GRIP**
[54] **POIGNEE MOULEE PAR COMPRESSION MULTICOLORE LEGERE**
[72] DAVIS, STEPHEN JAMES, US
[72] WALLS, ALEX LEE, US
[72] SU, WEN-CHEN, US
[72] MICHAUD, AARON JOSEPH, US
[72] WANG, EDWARD, TW
[71] EATON CORPORATION, US
[22] 2016-11-09
[41] 2017-06-09
[30] US (14/964,384) 2015-12-09

[21] **2,948,302**
[13] A1

[51] **Int.Cl. A63C 11/20 (2006.01) A63C 5/06 (2006.01)**
[25] EN
[54] **A SNOWMOBILE SKI PROTECTOR**
[54] **UN PROTECTEUR DE SKI DE MOTONEIGE**
[72] TIEDE, LAWRENCE, US
[72] PHILIPS, MICHAEL, US
[72] WARK, JUSTIN, US
[71] TIEDE, LAWRENCE, US
[71] PHILIPS, MICHAEL, US
[71] WARK, JUSTIN, US
[22] 2016-11-14
[41] 2017-06-08
[30] US (15/099,816) 2016-04-15
[30] US (14/962,256) 2015-12-08

Demandes canadiennes mises à la disponibilité du public
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[21] **2,948,305**
[13] A1

[51] **Int.Cl. C09J 133/06 (2006.01) C09J 11/06 (2006.01)**
[25] EN
[54] **COMPOSITION FOR PREPARING PRESSURE-SENSITIVE ADHESIVES**
[54] **COMPOSITION DE PREPARATION D'ADHESIFS SENSIBLES A LA PRESSION**
[72] BAMBERG, SARAH, DE
[72] BEFUSS, JULIA, DE
[72] PUETZ, BENJAMIN, DE
[72] PRENZEL, ALEXANDER, DE
[71] TESA SE, DE
[22] 2016-11-14
[41] 2017-06-09
[30] DE (10 2015 224 734.1) 2015-12-09

[21] **2,948,377**
[13] A1

[51] **Int.Cl. H02J 7/00 (2006.01) H04W 52/02 (2009.01) H04W 76/06 (2009.01)**
[25] EN
[54] **ELECTRONIC DEVICE INCLUDING BATTERY AND METHOD OF CONTROLLING SAME FOR CHARGING THE BATTERY**
[54] **DISPOSITIF ELECTRONIQUE COMPRENANT UNE BATTERIE ET METHODE DE CONTROLE ASSOCIEE EN VUE DE CHARGER LA BATTERIE**
[72] ALTMAN, BENJAMIN, CA
[71] BLACKBERRY LIMITED, CA
[22] 2016-11-10
[41] 2017-06-08
[30] US (14/963,125) 2015-12-08

[21] **2,948,442**
[13] A1

[51] **Int.Cl. E03C 1/06 (2006.01) A47K 3/28 (2006.01)**
[25] EN
[54] **ON-WALL SHOWER SYSTEM**
[54] **SYSTEME DE DOUCHE AU MUR**
[72] JOHNSON, BRIAN WAYNE, US
[71] DELTA FAUCET COMPANY, US
[22] 2016-11-14
[41] 2017-06-07
[30] US (62/263,996) 2015-12-07

[21] **2,948,673**
[13] A1

[51] **Int.Cl. H04W 28/02 (2009.01) H04W 28/26 (2009.01)**
[25] EN
[54] **DYNAMIC TRAFFIC SHAPING FOR COMMUNICATION NETWORKS IN MOVING VEHICLES, SUCH AS TRAINS**
[54] **FORMAGE DE TRAFIC DYNAMIQUE DESTINE AUX RESEAUX DE COMMUNICATION DANS LES VEHICULES EN MOUVEMENT, COMME LES TRAINS**
[72] KARLSSON, MATS, SE
[72] EKLUND, PETER, SE
[71] ICOMERA AB, SE
[22] 2016-11-16
[41] 2017-06-04
[30] SE (1551596-8) 2015-12-04

[21] **2,948,674**
[13] A1

[51] **Int.Cl. H04W 40/04 (2009.01) H04W 80/06 (2009.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DYNAMIC SELECTION OF COMMUNICATION PATHS FOR A MOVING VEHICLE**
[54] **METHODE ET SYSTEME DE SELECTION DYNAMIQUE DE CHEMINS DE COMMUNICATION DESTINES A UN VEHICULE EN MOUVEMENT**
[72] BERGEK, MARTIN, SE
[72] KARLSSON, MATS, SE
[72] EKLUND, PETER, SE
[71] ICOMERA AB, SE
[22] 2016-11-16
[41] 2017-06-04
[30] SE (1551595-0) 2015-12-04

[21] **2,948,795**
[13] A1

[51] **Int.Cl. E04F 13/22 (2006.01) E04B 1/38 (2006.01) E04B 2/30 (2006.01)**
[25] EN
[54] **THERMAL WALL ANCHOR**
[54] **ANCRAGE MURAL THERMIQUE**
[72] HOHMANN, RONALD P., JR., US
[71] MITEK HOLDINGS, INC., US
[22] 2016-11-17
[41] 2017-06-04
[30] US (14/959,931) 2015-12-04

[21] **2,948,857**
[13] A1

[51] **Int.Cl. A47B 57/10 (2006.01) A47B 47/00 (2006.01) A47B 73/00 (2006.01) F16M 13/00 (2006.01)**
[25] FR
[54] **MURAL INSTALLATION AND MOUNTING PROCESS**
[54] **INSTALLATION MURALE ET PROCEDE DE MONTAGE**
[72] EPICUREO, GIULIO, FR
[71] CIE EUROPE, FR
[22] 2016-11-17
[41] 2017-06-04
[30] FR (15 61 866) 2015-12-04

[21] **2,949,019**
[13] A1

[51] **Int.Cl. H02H 7/04 (2006.01) H01F 27/34 (2006.01) H02J 3/00 (2006.01)**
[25] EN
[54] **PROTECTIVE DEVICE FOR PROTECTING A TRANSFORMER AGAINST GEOMAGNETICALLY INDUCED CURRENTS**
[54] **DISPOSITIF PROTECTEUR DESTINE A LA PROTECTION D'UN TRANSFORMATEUR CONTRE LES COURANTS INDUITS DE MANIERE GEOMAGNETIQUE**
[72] HAMBERGER, PETER, AT
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[22] 2016-11-21
[41] 2017-06-09
[30] EP (15198574.4) 2015-12-09

[21] **2,949,270**
[13] A1

[51] **Int.Cl. C22C 19/05 (2006.01) C22C 1/04 (2006.01) C22C 30/00 (2006.01) C22F 1/10 (2006.01)**
[25] EN
[54] **NICKEL BASE SUPER ALLOYS AND METHODS OF MAKING THE SAME**
[54] **SUPER ALLIAGES A BASE DE NICKEL ET METHODES DE FABRICATION ASSOCIEES**
[72] DIAL, LAURA CERULLY, US
[72] GIGLIOTTI, MICHAEL FRANCIS XAVIER, JR., US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-11-22
[41] 2017-06-09
[30] US (14/963,366) 2015-12-09

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June 4, 2017 to June 10, 2017**

[21] **2,949,271**
[13] A1

[51] **Int.Cl. F01D 5/18 (2006.01) F01D 25/12 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE WITH FILLET FILM HOLES**
[54] **MOTEUR DE TURBINE A GAZ DOTE DE TROUS PELLICULAIRES EN FILET**
[72] BUHLER, JARED PETER, US
[72] BUNKER, RONALD SCOTT, US
[72] CORREIA, VICTOR HUGO SILVA, US
[72] CORSETTI, BRIAN KENNETH, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-11-22
[41] 2017-06-07
[30] US (14/960,924) 2015-12-07

[21] **2,949,275**
[13] A1

[51] **Int.Cl. F01D 9/00 (2006.01) F01D 11/08 (2006.01) F01D 11/14 (2006.01)**
[25] EN
[54] **COMPLIANT SHROUD FOR GAS TURBINE ENGINE CLEARANCE CONTROL**
[54] **ENVELOPPE CONFORME DE CONTROLE DE DEGAGEMENT DE TURBINE A GAZ**
[72] MUKHERJEE, YU XIE, US
[72] BARUA, ANANDA, US
[72] SUN, CHANGJIE, US
[72] LU, WENFENG, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-11-22
[41] 2017-06-08
[30] US (14/962,364) 2015-12-08

[21] **2,949,293**
[13] A1

[51] **Int.Cl. F02C 7/14 (2006.01) F01D 25/12 (2006.01) F02C 7/06 (2006.01) F02C 7/12 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE FLUID COOLING SYSTEMS AND METHODS OF ASSEMBLING THE SAME**
[54] **SYSTEMES DE REFROIDISSEMENT DE MOTEUR DE TURBINE A GAZ ET METHODE D'ASSEMBLAGE ASSOCIEE**
[72] SENNOUN, MOHAMMED EL HACIN, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-11-22
[41] 2017-06-07
[30] US (14/960,800) 2015-12-07

[21] **2,949,297**
[13] A1

[51] **Int.Cl. F01D 5/18 (2006.01) F01D 25/12 (2006.01)**
[25] EN
[54] **FILLET OPTIMIZATION FOR TURBINE AIRFOIL**
[54] **OPTIMISATION DE FILET DE PROFIL DYNAMIQUE DE TURBINE**
[72] BUHLER, JARED PETER, US
[72] BUNKER, RONALD SCOTT, US
[72] CORREIA, VICTOR HUGO SILVA, US
[72] CORSETTI, BRIAN KENNETH, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-11-22
[41] 2017-06-07
[30] US (14/960,991) 2015-12-07

[21] **2,949,309**
[13] A1

[51] **Int.Cl. F02C 6/02 (2006.01) B64D 31/00 (2006.01) B64D 35/08 (2006.01) F01D 13/00 (2006.01) F02C 7/36 (2006.01) F02C 9/56 (2006.01)**
[25] EN
[54] **ADAPTIVE ENGINE MODEL TORQUE SPLITTING OPTIMIZATION**
[54] **OPTIMISATION ADAPTATIVE DE DIVISION DE COUPLE MODELE DE MOTEUR**
[72] PAUL, JACQUES, US
[72] YARDIBI, TARIK, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-11-22
[41] 2017-06-04
[30] US (14/959,316) 2015-12-04

[21] **2,949,423**
[13] A1

[51] **Int.Cl. B64D 47/00 (2006.01) B64D 11/00 (2006.01) G06F 3/14 (2006.01)**
[25] FR
[54] **DISPLAY SYSTEM FOR INFORMATION RELATIVE TO THE FLIGHT OF AN AIRCRAFT AND ASSOCIATED PROCESS**
[54] **SYSTEME DE VISUALISATION D'INFORMATIONS RELATIVES A UN VOL D'UN AERONEF ET PROCEDE ASSOCIE**
[72] SAEZ, JEAN-FRANCOIS, FR
[72] DRINAL, STEPHANE, FR
[71] DASSAULT AVIATION, FR
[22] 2016-11-23
[41] 2017-06-08
[30] FR (1502551) 2015-12-08

Demandes canadiennes mises à la disponibilité du public
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[21] **2,949,580**
 [13] A1

[51] **Int.Cl. C22B 3/08 (2006.01) C22B 3/44 (2006.01) C22B 23/00 (2006.01)**
 [25] EN
 [54] **PROCESS FOR SELECTIVE ACID LEACHING NICKEL AND COBALT FROM A MIXED HYDROXIDE INTERMEDIATE**
 [54] **PROCEDE DE LESSIVAGE A L'ACIDE SELECTIF DE NICKEL ET DE COBALT A PARTIR D'UN INTERMEDIAIRE D'HYDROXYDE MELANGE**
 [72] CLOUT, RICHARD, AU
 [72] PERRY, SCOTT, AU
 [71] BHP BILLITON NICKEL WEST PTY LTD, AU
 [22] 2016-11-24
 [41] 2017-06-09
 [30] AU (2015905097) 2015-12-09

[21] **2,949,642**
 [13] A1

[51] **Int.Cl. G06K 9/20 (2006.01) G06F 21/32 (2013.01)**
 [25] EN
 [54] **METHODS AND SYSTEMS FOR CAPTURING BIOMETRIC DATA**
 [54] **METHODES ET SYSTEMES DE CAPTAGE DE DONNEES BIOMETRIQUES**
 [72] DUGGAN, JOHN ANTHONY, AU
 [72] WHITE, CONOR ROBERT, US
 [71] DAON HOLDINGS LIMITED, KY
 [22] 2016-11-23
 [41] 2017-06-09
 [30] US (14/963,439) 2015-12-09

[21] **2,949,688**
 [13] A1

[51] **Int.Cl. H05K 7/20 (2006.01) B33Y 80/00 (2015.01) B64D 47/00 (2006.01) B64D 43/00 (2006.01)**
 [25] EN
 [54] **THERMAL MANAGEMENT SYSTEMS AND METHODS FOR HEAT GENERATING ELECTRONICS**
 [54] **SYSTEMES DE GESTION THERMIQUE ET METHODE DESTINES A DES DISPOSITIFS ELECTRONIQUES PRODUISANT DE LA CHALEUR**
 [72] DE BOCK, HENDRIK PIETER JACOBUS, US
 [72] KIM, JOO HAN, US
 [71] GENERAL ELECTRIC COMPANY, US
 [22] 2016-11-22
 [41] 2017-06-04
 [30] US (14/959,804) 2015-12-04

[21] **2,949,694**
 [13] A1

[51] **Int.Cl. F01D 9/02 (2006.01) B64D 33/08 (2006.01) F01D 25/12 (2006.01) F01D 25/18 (2006.01) F02C 7/06 (2006.01) F02C 7/14 (2006.01) F16N 39/02 (2006.01) F28F 27/02 (2006.01)**
 [25] EN
 [54] **OGV HEAT EXCHANGERS NETWORKED IN PARALLEL AND SERIAL FLOW**
 [54] **ECHANGEURS DE CHALEUR D'AUBAGE DIRECTEUR DE SORTIE EN RESEAU DANS UN FLUX EN PARALLELE ET EN SERIE**
 [72] SENNOUN, MOHAMMED EL HACIN, US
 [71] GENERAL ELECTRIC COMPANY, US
 [22] 2016-11-22
 [41] 2017-06-08
 [30] US (14/962,070) 2015-12-08

[21] **2,949,699**
 [13] A1

[51] **Int.Cl. F01D 9/02 (2006.01) F01D 11/00 (2006.01)**
 [25] EN
 [54] **VENTURI EFFECT ENDWALL TREATMENT**
 [54] **TRAITEMENT DE PAROI D'EXTREMITE A EFFET VENTURI**
 [72] STREIT, JOSEF ANTON, US
 [71] GENERAL ELECTRIC COMPANY, US
 [22] 2016-11-22
 [41] 2017-06-08
 [30] US (14/962,103) 2015-12-08

[21] **2,949,700**
 [13] A1

[51] **Int.Cl. F02C 7/28 (2006.01)**
 [25] EN
 [54] **CURVIC SEAL FOR USE IN A GAS TURBINE ENGINE AND METHOD OF ASSEMBLING A GAS TURBINE ENGINE**
 [54] **JOINT INCURVE DESTINE A UNE TURBINE A GAZ ET METHODE D'ASSEMBLAGE D'UNE TURBINE A GAZ**
 [72] HUBLEY, CHRISTOPHER KARL, US
 [72] QADER, KHALIL, US
 [72] PARK, SANG YENG, US
 [71] GENERAL ELECTRIC COMPANY, US
 [22] 2016-11-22
 [41] 2017-06-04
 [30] US (14/959,104) 2015-12-04

[21] **2,949,703**
 [13] A1

[51] **Int.Cl. F02C 7/00 (2006.01) B64D 33/00 (2006.01) F01D 25/00 (2006.01) F02C 9/18 (2006.01) H01L 35/00 (2006.01) H02N 11/00 (2006.01)**
 [25] EN
 [54] **METHOD AND SYSTEM FOR PRE-COOLER EXHAUST ENERGY RECOVERY**
 [54] **METHODE ET SYSTEME DE RECUPERATION D'ENERGIE D'ECHAPPEMENT DE PRE-REFROIDISSEUR**
 [72] SENNOUN, MOHAMMED EL HACIN, US
 [71] GENERAL ELECTRIC COMPANY, US
 [22] 2016-11-22
 [41] 2017-06-07
 [30] US (14/961,057) 2015-12-07

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[21] **2,949,845**
[13] A1

[51] **Int.Cl. F21V 11/08 (2006.01) B60Q 3/00 (2017.01) F21S 8/10 (2006.01) F21S 10/00 (2006.01) F21V 5/04 (2006.01)**

[25] EN

[54] **ILLUMINATION DEVICE FOR PROJECTING LIGHT IN A PREDETERMINED ILLUMINATION PATTERN ON A SURFACE**

[54] **DISPOSITIF D'ILLUMINATION DESTINE A LA PROJECTION DE LUMIERE DANS UN MOTIF D'ILLUMINATION PREDETERMINE SUR UNE SURFACE**

[72] MCCLELLAND, WILLIAM, US
[72] FONG, KIN, US
[72] FILECCIA, STEVEN, US
[71] AGM AUTOMOTIVE, LLC, US
[22] 2016-11-28
[41] 2017-06-04
[30] US (62/263,135) 2015-12-04

[21] **2,949,946**
[13] A1

[51] **Int.Cl. A61B 18/14 (2006.01) A61B 5/00 (2006.01) A61B 5/042 (2006.01) A61B 18/08 (2006.01)**

[25] EN

[54] **STABILIZED SPINE ELECTROPHYSIOLOGIC CATHETER**

[54] **CATHETER ELECTROPHYSIOLOGIQUE DE COLONNE STABILISE**

[72] BASU, SHUBHAYU, US
[72] SOLIS, MARIO A., US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2016-11-28
[41] 2017-06-10
[30] US (14/965,745) 2015-12-10

[21] **2,949,972**
[13] A1

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

[25] EN

[54] **DUAL NODE MULTIRAY ELECTRODE CATHETER**

[54] **CATHETER A ELECTRODE MULTIRAYON DOUBLE NOEUD**

[72] HOITINK, RYAN, US
[72] ASHTON, JOHN HARDY, US
[72] CLARK, JEFFREY L., US
[72] SOLIS, MARIO A., US
[72] BASU, SHUBHAYU, US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2016-11-29
[41] 2017-06-09
[30] US (14/964,301) 2015-12-09

[21] **2,949,974**
[13] A1

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

[25] EN

[54] **DUAL NODE MULTIRAY ELECTRODE CATHETER**

[54] **CATHETER A ELECTRODE MULTIRAYON DOUBLE NOEUD**

[72] HOITINK, RYAN, US
[72] ASHTON, JOHN HARDY, US
[72] CLARK, JEFFREY L., US
[72] SOLIS, MARIO A., US
[72] BASU, SHUBHAYU, US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2016-11-29
[41] 2017-06-09
[30] US (14/964,298) 2015-12-09

[21] **2,949,978**
[13] A1

[51] **Int.Cl. A61B 18/14 (2006.01) A61B 18/04 (2006.01) A61B 5/00 (2006.01)**

[25] EN

[54] **DUAL NODE MULTIRAY ELECTRODE CATHETER**

[54] **CATHETER A ELECTRODE MULTIRAYON DOUBLE NOEUD**

[72] HOITINK, RYAN, US
[72] ASHTON, JOHN HARDY, US
[72] CLARK, JEFFREY L., US
[72] SOLIS, MARIO A., US
[72] BASU, SHUBHAYU, US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2016-11-29
[41] 2017-06-09
[30] US (14/964,300) 2015-12-09

[21] **2,949,991**
[13] A1

[51] **Int.Cl. A61B 5/044 (2006.01) A61B 5/0402 (2006.01) G06F 19/00 (2011.01)**

[25] EN

[54] **DISPLAYING MULTI-ACTIVATION AREAS ON AN ELECTROANATOMICAL MAP**

[54] **AFFICHAGE DE ZONES MULTI ACTIVATION SUR UN PLAN ELECTROANATOMIQUE**

[72] RAVUNA, ELIYAHU, IL
[72] BOTZER, LIOR, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2016-11-28
[41] 2017-06-07
[30] US (14/960,904) 2015-12-07

[21] **2,949,992**
[13] A1

[51] **Int.Cl. A61B 18/14 (2006.01) A61B 5/042 (2006.01) A61M 25/04 (2006.01)**

[25] EN

[54] **ABLATING AND SENSING ELECTRODES**

[54] **ELECTRODES D'ABLATION ET DE DETECTION**

[72] GOVARI, ASSAF, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2016-11-28
[41] 2017-06-08
[30] US (14/962,831) 2015-12-08

[21] **2,950,000**
[13] A1

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

[25] EN

[54] **BASKET CATHETER WITH AN IMPROVED SEAL**

[54] **CATHETER A PANIER DOTE D'UN JOINT AMELIORE**

[72] AUJLA, VISHAV MANAK SINGH, US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2016-11-28
[41] 2017-06-07
[30] US (14/960,777) 2015-12-07

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[21] **2,950,009**
[13] A1

[51] **Int.Cl. A61B 18/14 (2006.01) A61B 18/04 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **MULTILAYER SPLIT ABLATION ELECTRODE**
[54] **ELECTRODE D'ABLATION A DIVISEUR MULTIRAYON**
[72] AUJLA, VISHAV MANAK SINGH, US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2016-11-28
[41] 2017-06-07
[30] US (14/960,779) 2015-12-07

[21] **2,950,034**
[13] A1

[51] **Int.Cl. G06Q 30/06 (2012.01) B44D 3/00 (2006.01)**
[25] EN
[54] **INTERACTIVE PAINT PRODUCT SELECTION AND ORDERING METHODS AND APPARATUS**
[54] **SELECTION DE PRODUIT DE PEINTURE INTERACTIF ET METHODES DE COMMANDE ET APPAREIL**
[72] CROGAN, JAMES, US
[72] VANDEVER, KEVIN, US
[72] REYNOLDS, DAMIEN, US
[72] BUZYN, JOHN, US
[72] WEBB, MARC, US
[72] CHUNG, UN HO, US
[72] JUNG, WOOSANG, US
[72] VAN MARLE, JASON, US
[72] THAKAR, PUNEET PIYUSH, US
[72] FOYE, DARWIN, US
[71] BEHR PROCESS CORPORATION, US
[22] 2016-11-30
[41] 2017-06-04
[30] US (62/263,464) 2015-12-04
[30] US (15/355,736) 2016-11-18

[21] **2,950,052**
[13] A1

[51] **Int.Cl. E21B 17/20 (2006.01) E21B 7/06 (2006.01)**
[25] EN
[54] **FLEX SHAFT**
[54] **TIGE FLEX**
[72] BARNES, MATT, US
[71] MULTI-SHOT, LLC, US
[22] 2016-11-30
[41] 2017-06-04
[30] US (62/263,273) 2015-12-04

[21] **2,950,115**
[13] A1

[51] **Int.Cl. H01H 71/40 (2006.01)**
[25] EN
[54] **LOW TOLERANCE MAGNETIC TRIP FOR A MINIATURE CIRCUIT BREAKER**
[54] **DECLENCHEUR MAGNETIQUE A FAIBLE TOLERANCE DESTINE A UN DISJONCTEUR MINIATURE**
[72] FLEEGE, DENNIS WILLIAM, US
[71] SCHNEIDER ELECTRIC USA, INC., US
[22] 2016-11-25
[41] 2017-06-08
[30] US (14/961,943) 2015-12-08

[21] **2,950,121**
[13] A1

[51] **Int.Cl. A61F 2/46 (2006.01) A61L 24/06 (2006.01) A61B 17/56 (2006.01)**
[25] EN
[54] **VACUUM MIXING DEVICE WITH OPERATING ELEMENT AND PUMP FOR MIXING POLYMETHYLMETHACRYLATE BONE CEMENT**
[54] **DISPOSITIF DE MELANGE A VIDE DOTE D'UN ELEMENT FONCTIONNEL ET D'UNE POMPE SERVANT A MELANGER DU CIMENT ORTHOPEDIQUE PMMA**
[72] VOGT, SEBASTIAN, DE
[72] KLUGE, THOMAS, DE
[71] HERAEUS MEDICAL GMBH, DE
[22] 2016-11-30
[41] 2017-06-07
[30] DE (10 2015 121 274.9) 2015-12-07

[21] **2,950,122**
[13] A1

[51] **Int.Cl. A61F 2/46 (2006.01) A61B 17/56 (2006.01) A61F 2/28 (2006.01) B28C 5/06 (2006.01) A61L 24/06 (2006.01)**
[25] EN
[54] **MIXING DEVICE WITH OPERATING ELEMENT AND PRESSURE PUMP FOR MIXING POLYMETHYLMETHACRYLATE BONE CEMENT**
[54] **DISPOSITIF DE MELANGE DOTE D'UN ELEMENT FONCTIONNEL ET D'UNE POMPE A PRESSION SERVANT A MELANGER DU CIMENT ORTHOPEDIQUE PMMA**
[72] VOGT, SEBASTIAN, DE
[72] KLUGE, THOMAS, DE
[71] HERAEUS MEDICAL GMBH, DE
[22] 2016-11-30
[41] 2017-06-07
[30] DE (10 2015 121 276.5) 2015-12-07

[21] **2,950,124**
[13] A1

[51] **Int.Cl. A61F 2/46 (2006.01) A61B 17/56 (2006.01) A61L 24/06 (2006.01) B28C 5/46 (2006.01)**
[25] EN
[54] **VACUUM MIXING DEVICE WITH OPERATING ELEMENT, PRESSURE PUMP, AND VACUUM PUMP FOR MIXING POLYMETHYLMETHACRYLATE BONE CEMENT**
[54] **DISPOSITIF DE MELANGE A VIDE DOTE D'UN ELEMENT FONCTIONNEL, D'UNE POMPE A PRESSION ET D'UNE POMPE A VIDE SERVANT A MELANGER DU CIMENT ORTHOPEDIQUE PMMA**
[72] VOGT, SEBASTIAN, DE
[72] KLUGE, THOMAS, DE
[71] HERAEUS MEDICAL GMBH, DE
[22] 2016-11-30
[41] 2017-06-07
[30] DE (10 2015 121 277.3) 2015-12-07

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[21] **2,950,141**
[13] A1

[51] **Int.Cl. F21V 5/04 (2006.01) A61B 90/30 (2016.01) F21L 4/00 (2006.01)**
[25] EN
[54] **HEADLIGHT**
[54] **LAMPE FRONTALE**
[72] OREN, MATTHEW CHRISTOPHER, US
[71] KERR CORPORATION, US
[22] 2016-11-30
[41] 2017-06-04
[30] US (62/263,310) 2015-12-04

[21] **2,950,248**
[13] A1

[51] **Int.Cl. F01D 25/18 (2006.01) F01D 25/16 (2006.01) F02C 7/06 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE BEARING SUMP**
[54] **PUISARD DE ROULEMENT DE TURBINE A GAZ**
[72] SNOW, KYLE ROBERT, US
[72] MILLER, BRANDON WAYNE, US
[72] ANSTEAD, DUANE HOWARD, US
[72] SENNOUN, MOHAMMED EL HACIN, US
[72] FANG, NING, US
[72] SCHEETZ, JONOTHAN ALLEN, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-12-01
[41] 2017-06-08
[30] US (14/962,217) 2015-12-08

[21] **2,950,252**
[13] A1

[51] **Int.Cl. A47G 19/06 (2006.01) A47G 19/08 (2006.01)**
[25] EN
[54] **COMBINED PLATE AND COLLAPSIBLE BEVERAGE HOLDER**
[54] **PLAQUE ET SUPPORT DE GOBELET ECRASABLE COMBINES**
[72] DOUGLAS, DAVID W., US
[72] DURKEE, ROBERT R., III, US
[71] COGENT TECHNOLOGY CORPORATION, US
[22] 2016-12-01
[41] 2017-06-04
[30] US (62/263,436) 2015-12-04
[30] US (15/359,083) 2016-11-22

[21] **2,950,256**
[13] A1

[51] **Int.Cl. H05B 37/00 (2006.01) H02H 7/00 (2006.01)**
[25] EN
[54] **PROTECTION CIRCUIT ASSEMBLY AND METHOD**
[54] **ENSEMBLE DE CIRCUIT DE PROTECTION ET METHODE**
[72] CSIBI, LAJOS, HU
[72] PAP, GABOR, HU
[72] DARANYI, TAMAS, HU
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-12-01
[41] 2017-06-04
[30] US (14/960,268) 2015-12-04

[21] **2,950,281**
[13] A1

[51] **Int.Cl. H02J 50/10 (2016.01) B60L 11/18 (2006.01) B60S 5/00 (2006.01)**
[25] EN
[54] **ELECTRIC POWER RECEIVING DEVICE AND ELECTRIC POWER TRANSMISSION DEVICE**
[54] **DISPOSITIF DE RECEPTION D'ALIMENTATION ELECTRIQUE ET DISPOSITIF DE TRANSMISSION D'ALIMENTATION ELECTRIQUE**
[72] YUASA, HIROAKI, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2016-12-01
[41] 2017-06-09
[30] JP (2015-240506) 2015-12-09

[21] **2,950,459**
[13] A1

[51] **Int.Cl. G01M 15/14 (2006.01) F01D 25/00 (2006.01) F02C 7/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PERFORMING A VISUAL INSPECTION OF A GAS TURBINE ENGINE**
[54] **SYSTEME ET METHODE D'EXECUTION D'UNE INSPECTION VISUELLE D'UNE TURBINE A GAZ**
[72] DIWINSKY, DAVID SCOTT, US
[72] LIM, SER NAM, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-12-01
[41] 2017-06-09
[30] US (14/963,665) 2015-12-09
[30] US (15/040,310) 2016-02-10

[21] **2,950,461**
[13] A1

[51] **Int.Cl. C04B 41/89 (2006.01) C04B 41/87 (2006.01) C04B 35/80 (2006.01)**
[25] EN
[54] **ARTICLE FOR HIGH TEMPERATURE SERVICE**
[54] **ARTICLE DESTINE AU SERVICE A HAUTE TEMPERATURE**
[72] LUTHRA, KRISHAN LAL, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-12-01
[41] 2017-06-09
[30] US (14/963,878) 2015-12-09

[21] **2,950,496**
[13] A1

[51] **Int.Cl. A23L 27/10 (2016.01) A23L 27/00 (2016.01) A23L 27/12 (2016.01) C11B 9/02 (2006.01)**
[25] EN
[54] **IMPROVED PROCESS FOR EXTRACTION OF AROMA CHEMICALS FROM FAT-CONTAINING AND/OR AQUEOUS LIQUID PHASES**
[54] **PROCEDE AMELIORE D'EXTRACTION DE PRODUITS CHIMIQUES AROMATIQUES RENFERMANT DES GRAS OU DES PHASES LIQUIDES AQUEUSES**
[72] WIESMUELLER, JOHANN, DE
[72] MICHLBAUER, FRANZ, DE
[72] OBERBAUER, GUNTHER, DE
[72] HAUSNER, HELMUT, DE
[72] KAISER, HARALD, DE
[71] EVONIK DEGUSSA GMBH, DE
[22] 2016-12-02
[41] 2017-06-04
[30] EP (15197955) 2015-12-04

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[21] **2,950,500**
[13] A1

[51] **Int.Cl. G06F 17/00 (2006.01) G06F 17/27 (2006.01) G06F 17/30 (2006.01)**
[25] EN
[54] **ANALYTIC SYSTEMS, METHODS, AND COMPUTER-READABLE MEDIA FOR STRUCTURED, SEMI-STRUCTURED, AND UNSTRUCTURED DOCUMENTS**
[54] **SYSTEMES ANALYTIQUES, METHODES ET SUPPORT LISIBLE A L'ORDINATEUR DESTINES AUX DOCUMENTS STRUCTURES, SEMI-STRUCTURES ET NON STRUCTURES**
[72] KAVAS, ILKER, US
[71] EPHESOFT INC., US
[22] 2016-12-02
[41] 2017-06-07
[30] US (14/960,871) 2015-12-07
[30] US (15/194,967) 2016-06-28

[21] **2,950,542**
[13] A1

[51] **Int.Cl. F16M 11/18 (2006.01) F16M 11/04 (2006.01)**
[25] EN
[54] **A MONITOR STAND**
[54] **UN SUPPORT DE MONITEUR**
[72] FARRELL, ALICE, NZ
[71] MEERKAT DESK LIMITED, NZ
[22] 2016-12-05
[41] 2017-06-07
[30] NZ (714937) 2015-12-07

[21] **2,950,544**
[13] A1

[51] **Int.Cl. A47G 29/12 (2006.01) A47G 29/122 (2006.01)**
[25] EN
[54] **IMPROVED MAILBOX, MAILBOX PROTECTION APPARATUS, AND METHOD**
[54] **BOITE AUX LETTRES AMELIOREE, APPAREIL DE PROTECTION DE BOITE AUX LETTRES ET METHODE**
[72] PAJONAS, TODD R., US
[71] PAJONAS, TODD R., US
[22] 2016-12-05
[41] 2017-06-06
[30] US (62/263699) 2015-12-06
[30] US (15/367398) 2016-12-02

[21] **2,950,548**
[13] A1

[51] **Int.Cl. C23C 4/18 (2006.01) C23C 4/00 (2016.01) C23C 14/54 (2006.01) C23C 14/58 (2006.01) C23C 16/52 (2006.01) C23C 16/56 (2006.01) G01N 21/64 (2006.01) C09K 11/08 (2006.01)**
[25] EN
[54] **COATING INSPECTION METHOD**
[54] **METHODE D'INSPECTION DE REVETEMENT**
[72] SIVARAMAKRISHNAN, SHANKAR, US
[72] HASZ, WAYNE CHARLES, US
[72] BROSNAN, KRISTEN HALL, US
[72] MURPHY, JAMES EDWARD, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-12-01
[41] 2017-06-09
[30] US (14/963,256) 2015-12-09

[21] **2,950,549**
[13] A1

[51] **Int.Cl. F01D 25/24 (2006.01) F01D 9/02 (2006.01)**
[25] EN
[54] **METALLIC ATTACHMENT SYSTEM INTEGRATED INTO A COMPOSITE STRUCTURE**
[54] **SYSTEME D'ACCESSOIRE METALLIQUE INTEGRE DANS UNE STRUCTURE COMPOSITE**
[72] RENGGLI, BERNARD JAMES, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-12-01
[41] 2017-06-10
[30] US (14/964,752) 2015-12-10

[21] **2,950,550**
[13] A1

[51] **Int.Cl. F01D 5/28 (2006.01) F01D 5/14 (2006.01) F15D 1/10 (2006.01)**
[25] EN
[54] **DURABLE RIBLETS FOR ENGINE ENVIRONMENT**
[54] **RIBLETS DURABLES DESTINES A UN ENVIRONNEMENT MOTEUR**
[72] BERSCHBACK, CASEY LAUREN, US
[72] WOOD, TREVOR HOWARD, US
[72] LIN, WENDY WENLING, US
[72] LIOU, LARA, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-12-01
[41] 2017-06-10
[30] US (14/964,722) 2015-12-10

[21] **2,950,551**
[13] A1

[51] **Int.Cl. F02C 7/36 (2006.01) F01D 25/18 (2006.01) F02C 7/06 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR A PITCH CHANGE MECHANISM HYDRAULIC FLUID TRANSFER SLEEVE**
[54] **METHODE ET SYSTEME DESTINES A UN MANCHON DE TRANSFERT DE FLUIDE HYDRAULIQUE A MECANISME DE CHANGEMENT DE PAS**
[72] NIERGARTH, DANIEL ALAN, US
[72] MILLER, BRANDON WAYNE, US
[72] ZATORSKI, DAREK TOMASZ, US
[72] KROGER, CHRISTOPHER JAMES, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-12-01
[41] 2017-06-09
[30] US (14/963,924) 2015-12-09

[21] **2,950,552**
[13] A1

[51] **Int.Cl. G01V 1/34 (2006.01) G01V 1/30 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ANALYZING FRACTURES USING AVOAZ INVERSION**
[54] **METHODE ET APPAREIL D'ANALYSE DE FRACTURE EMPLOYANT L'INVERSION AVOAZ**
[72] DOWNTON, JONATHAN, FR
[71] CGG SERVICES SAS, FR
[22] 2016-12-02
[41] 2017-06-04
[30] US (62/262,975) 2015-12-04
[30] US (62/410,443) 2016-10-20

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[21] **2,950,555**
[13] A1

[51] **Int.Cl. G01L 3/00 (2006.01) G01M 15/14 (2006.01)**
[25] EN
[54] **CALIBRATED TURBINE ENGINE SHAFT TORQUE SENSING**
[54] **DETECTION DE COUPLE D'ARBRE DE TURBINE ETALONNE**
[72] JACOBS, DOUGLAS SCOTT, US
[72] KNOBLOCH, AARON JAY, US
[72] GOELLER, ROBERT EDWARD, US
[72] MUHAMMAD, MUDASSAR, ALI, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-12-01
[41] 2017-06-09
[30] US (14/963,387) 2015-12-09

[21] **2,950,603**
[13] A1

[51] **Int.Cl. G08B 21/02 (2006.01) H04W 4/00 (2009.01) G08B 15/00 (2006.01) G08B 25/10 (2006.01)**
[25] EN
[54] **AUTONOMOUS SAFETY AND SECURITY DEVICE ON AN UNMANNED PLATFORM UNDER COMMAND AND CONTROL OF A CELLULAR PHONE**
[54] **DISPOSITIF DE SURETE ET SECURITE AUTONOME SUR UNE PLATEFORME INHABITEE COMMANDE ET CONTROLE PAR UN TELEPHONE CELLULAIRE**
[72] SCHNEIDER, MARK, US
[72] BRYAN, LEE, US
[72] SCOTT, PATRICIA L., US
[72] KOGAN, VLADIMIR F., US
[72] SCULLY, WENDY C., US
[72] SCULLY, JACK T., US
[71] MICRO APPS GROUP INVENTIONS, LLC, US
[22] 2016-12-05
[41] 2017-06-08
[30] US (14/962,492) 2015-12-08

[21] **2,950,608**
[13] A1

[51] **Int.Cl. A61B 18/14 (2006.01) A61B 5/06 (2006.01) A61B 18/04 (2006.01)**
[25] EN
[54] **ABLATION CATHETER WITH LIGHT-BASED CONTACT SENSORS**
[54] **CATHETER D'ABLATION A CAPTEURS DE CONTACTS LUMINEUX**
[72] HETTEL, ROWAN OLUND, US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2016-12-05
[41] 2017-06-09
[30] US (14/964,209) 2015-12-09

[21] **2,950,624**
[13] A1

[51] **Int.Cl. B29C 64/386 (2017.01) B33Y 50/00 (2015.01) G06F 19/00 (2011.01)**
[25] EN
[54] **THREE DIMENSIONAL PRINTING FOR CONSUMERS**
[54] **IMPRESSON TRIDIMENSIONNELLE GRAND PUBLIC**
[72] HIGH, DONALD, US
[72] THOMPSON, JOHN PAUL, US
[72] TAYLOR, ROBERT C., US
[72] ATCHLEY, MICHAEL DEAN, US
[71] WAL-MART STORES, INC., US
[22] 2016-12-02
[41] 2017-06-04
[30] US (62/263,511) 2015-12-04

[21] **2,950,626**
[13] A1

[51] **Int.Cl. G06F 19/00 (2011.01) A47F 10/00 (2006.01) A63J 5/00 (2006.01) B44D 3/00 (2006.01) G06F 17/50 (2006.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **INTERIOR DECORATING SYSTEM USING THREE-DIMENSIONAL AND OTHER PROPERTIES OF A SPACE**
[54] **SYSTEME DE DECORATION INTERIEURE EMPLOYANT LES PROPRIETES TRIDIMENSIONNELLES ET AUTRES D'UN ESPACE**
[72] HIGH, DONALD, US
[72] ATCHLEY, MICHAEL DEAN, US
[72] WINKLE, DAVID, US
[71] WAL-MART STORES, INC., US
[22] 2016-12-02
[41] 2017-06-04
[30] US (62/263,499) 2015-12-04

[21] **2,950,640**
[13] A1

[51] **Int.Cl. A61K 31/505 (2006.01) A61K 31/519 (2006.01) A61K 31/635 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CERDULATINIB FOR TREATING HEMATOLOGICAL CANCERS**
[54] **CERDULATINIB DESTINE AU TRAITEMENT DES CANCERS HEMATOLOGIQUES**
[72] COFFEY, GREGORY, US
[72] FENG, JIAJIA, US
[71] PORTOLA PHARMACEUTICALS, INC., US
[22] 2016-12-02
[41] 2017-06-04
[30] US (62/263582) 2015-12-04
[30] US (62/342727) 2016-05-27
[30] US (62/342755) 2016-05-27
[30] US (62/371,145) 2016-08-04

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[21] **2,950,646**
[13] A1

[51] **Int.Cl. B64C 25/50 (2006.01) B64C 25/34 (2006.01)**

[25] EN

[54] **FULLY ELECTRIC SPEED-PROPORTIONAL NOSE WHEEL STEERING SYSTEM FOR AN AIRCRAFT**

[54] **SYSTEME DE DIRECTION DE ROUE AVANT PROPORTIONNELLE A LA VITESSE ENTIEREMENT ELECTRIQUE DESTINE A UN AERONEF**

[72] SHARPE, PETER, GB

[71] SAFRAN LANDING SYSTEMS UK LIMITED, GB

[22] 2016-12-05

[41] 2017-06-07

[30] EP (15198291.5) 2015-12-07

[21] **2,950,647**
[13] A1

[51] **Int.Cl. A01G 23/14 (2006.01) A01G 23/10 (2006.01)**

[25] EN

[54] **MAPLE TAP WITH SLEEVE**

[54] **ROBINET POUR ENTAILLE D'ERABLE DOTE D'UN MANCHON**

[72] MOREY, DENNIS, US

[71] MOREY, DENNIS, US

[22] 2016-12-06

[41] 2017-06-07

[30] US (62/263,918) 2015-12-07

[21] **2,950,649**
[13] A1

[51] **Int.Cl. H01H 71/00 (2006.01) H01H 33/72 (2006.01) H01H 33/86 (2006.01)**

[25] EN

[54] **CIRCUIT BREAKERS, ARC EXPANSION CHAMBERS, AND OPERATING METHODS**

[54] **DISJONCTEURS, CHAMBRES D'EXPANSION D'ARC ET METHODES D'EXPLOITATION**

[72] GUANG, YANG, US

[71] SIEMENS INDUSTRY, INC., US

[22] 2016-12-06

[41] 2017-06-08

[30] US (14/962,205) 2015-12-08

[21] **2,950,650**
[13] A1

[51] **Int.Cl. G05B 9/02 (2006.01) A47K 3/00 (2006.01) A61H 33/00 (2006.01)**

[25] EN

[54] **BATH SAFETY CONTROL SYSTEM AND BATH SAFETY CONTROL METHOD**

[54] **SYSTEME DE CONTROLE DE SECURITE DE BAIN ET METHODE DE CONTROLE DE SECURITE DE BAIN**

[72] KANG, CHI-LIN, TW

[72] HUANG, CHAO-YUAN, TW

[71] DARTPOINT TECH. CO., LTD., TW

[22] 2016-12-06

[41] 2017-06-08

[30] US (62/264,345) 2015-12-08

[30] TW (105115093) 2016-05-16

[21] **2,950,655**
[13] A1

[51] **Int.Cl. H05B 37/02 (2006.01) H04W 4/00 (2009.01) F21S 10/02 (2006.01) H04B 3/54 (2006.01) H04L 12/40 (2006.01) F21K 9/00 (2016.01) F21V 31/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR CONTROLLING AQUATIC LIGHTING USING POWER LINE COMMUNICATION**

[54] **SYSTEMES ET METHODES DE CONTROLE DE L'ECLAIRAGE AQUATIQUE AU MOYEN DE COMMUNICATION SUR LE RESEAU ELECTRIQUE**

[72] LYONS, GREG, US

[72] NETZEL, ROBERT J., SR., US

[72] PEREZ, GABRIEL, US

[71] PENTAIR WATER POOL AND SPA, INC., US

[22] 2016-12-06

[41] 2017-06-07

[30] US (62/264,162) 2015-12-07

[30] US (15/369,335) 2016-12-05

[21] **2,950,657**
[13] A1

[51] **Int.Cl. G01D 21/00 (2006.01) A61H 33/00 (2006.01) H04L 29/02 (2006.01)**

[25] EN

[54] **REMOTE DIAGNOSIS MANAGEMENT SYSTEM AND METHOD FOR OPERATING THE SAME**

[54] **SYSTEME DE GESTION DE DIAGNOSTIC DISTANT ET METHODE D'EXPLOITATION CONNEXE**

[72] KANG, CHI-LIN, TW

[72] LU, AI-CHIEH, TW

[72] HUANG, CHAO-YUAN, TW

[71] DARTPOINT TECH. CO., LTD., TW

[22] 2016-12-06

[41] 2017-06-08

[30] US (62/264,345) 2015-12-08

[30] TW (105132242) 2016-10-05

[21] **2,950,658**
[13] A1

[51] **Int.Cl. A45C 3/04 (2006.01) A45C 13/18 (2006.01) A45C 13/26 (2006.01) B65D 33/06 (2006.01) B65D 55/06 (2006.01)**

[25] EN

[54] **SECURE SHOPPING BAG**

[54] **SAC DE MAGASINAGE SECURISE**

[72] CHANDARIA, KAPOOR, KE

[72] TOBIAS, BRIAN, CA

[72] MURPHY, GORDON, BB

[71] KITARU INNOVATIONS INC., BB

[22] 2016-12-06

[41] 2017-06-10

[30] US (62/265,628) 2015-12-10

[30] US (15/368,035) 2016-12-02

[30] US (15/368,090) 2016-12-02

[21] **2,950,661**
[13] A1

[51] **Int.Cl. G01R 31/00 (2006.01) A61H 33/00 (2006.01)**

[25] EN

[54] **REMOTE DIAGNOSIS SYSTEM AND METHOD FOR OPERATING THE SAME**

[54] **SYSTEME DE DIAGNOSTIC DISTANT ET METHODE D'EXPLOITATION CONNEXE**

[72] KANG, CHI-LIN, TW

[72] HUANG, CHAO-YUAN, TW

[71] DARTPOINT TECH. CO., LTD., TW

[22] 2016-12-06

[41] 2017-06-08

[30] US (62/264,345) 2015-12-08

[30] TW (105117080) 2016-05-31

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[21] **2,950,663**
[13] A1

[51] **Int.Cl. G10L 15/00 (2013.01) H04W 4/00 (2009.01) A61H 33/00 (2006.01)**

[25] EN

[54] **VOICE CONTROL TYPE BATH SYSTEM AND OPERATING METHOD THEREOF**

[54] **SYSTEME DE BAIN DE TYPE A COMMANDE VOCALE ET METHODE D'EXPLOITATION CONNEXE**

[72] KANG, CHI-LIN, TW
[72] HUANG, CHAO-YUAN, TW
[71] DARTPOINT TECH. CO., LTD., TW
[22] 2016-12-06
[41] 2017-06-08
[30] US (62/264,345) 2015-12-08
[30] TW (105120759) 2016-06-30

[21] **2,950,684**
[13] A1

[51] **Int.Cl. B66C 1/28 (2006.01) B66C 1/22 (2006.01) B66C 13/00 (2006.01)**

[25] EN

[54] **HOISTING FRAME FOR OVERWEIGHT LIFTING**

[54] **CADRE DE LEVAGE DESTINE AU LEVAGE DE SURPOIDS**

[72] NOOREN, PIET, US
[72] LAMBOOIJ, THOMAS, NL
[71] MAMMOET USA SOUTH, INC., US
[22] 2016-12-06
[41] 2017-06-07
[30] US (62/265,577) 2015-12-10
[30] US (62/263,837) 2015-12-07

[21] **2,950,717**
[13] A1

[51] **Int.Cl. E04C 3/36 (2006.01)**

[25] EN

[54] **FRICION FIT COMPOSITE COLUMN**

[54] **COLONNE EN COMPOSITE S'ADAPTANT PAR FRICTION**

[72] GILBERT, FREDRICK R., US
[72] PEDERSON, DANIEL, US
[72] PRITZL, ANDREW, US
[72] KLESSIG, CAYNEN, US
[71] JACK WALTERS & SONS, CORP., US
[22] 2016-12-06
[41] 2017-06-08
[30] US (14/962022) 2015-12-08
[30] US (62/405623) 2016-10-07
[30] US (15/363576) 2016-11-29

[21] **2,950,732**
[13] A1

[51] **Int.Cl. E21B 33/03 (2006.01) E21B 33/038 (2006.01)**

[25] EN

[54] **HIGH PRESSURE SEALS FOR WELLHEAD PRESSURE CONTROL FITTINGS**

[54] **JOINTS HAUTE PRESSION DESTINES AUX RACCORDS DE COMMANDE DE PRESSION DE TETE DE Puits**

[72] JOHANSEN, KEITH C., US
[72] SNOKE, NICOLAS G., US
[71] FHE USA LLC, US
[22] 2016-12-07
[41] 2017-06-07
[30] US (15/371,141) 2016-12-06
[30] US (15/341,864) 2016-11-02
[30] US (62/263,889) 2015-12-07

[21] **2,950,777**
[13] A1

[51] **Int.Cl. F01D 25/00 (2006.01) F01D 21/00 (2006.01) F02C 7/00 (2006.01) G02B 23/24 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR LOCATING A PROBE WITHIN A GAS TURBINE ENGINE**

[54] **SYSTEME ET METHODE DE LOCALISATION D'UNE SONDE DANS UNE TURBINE A GAZ**

[72] DIWINSKY, DAVID SCOTT, US
[72] LIM, SER NAM, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-12-06
[41] 2017-06-09
[30] US (14/963,695) 2015-12-09
[30] US (15/041,160) 2016-02-11

[21] **2,950,782**
[13] A1

[51] **Int.Cl. B64D 33/08 (2006.01) B64D 15/00 (2006.01) F01D 25/02 (2006.01) F02C 7/047 (2006.01)**

[25] EN

[54] **THERMAL MANAGEMENT SYSTEM**

[54] **SYSTEME DE GESTION THERMIQUE**

[72] MILLER, BRANDON WAYNE, US
[72] KROGER, CHRISTOPHER JAMES, US
[72] CERNY, MATTHEW ROBERT, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-12-06
[41] 2017-06-09
[30] US (14/963,419) 2015-12-09

[21] **2,950,787**
[13] A1

[51] **Int.Cl. C04B 41/87 (2006.01) C04B 35/80 (2006.01)**

[25] EN

[54] **ABRADABLE COMPOSITIONS AND METHODS FOR CMC SHROUDS**

[54] **COMPOSITIONS ABRASABLES ET METHODES DESTINEES AUX ENVELOPPES EN COMPOSITE A MATRICE CERAMIQUE**

[72] KIRBY, GLEN HAROLD, US
[72] MANICKE, PAUL STEPHEN, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-12-06
[41] 2017-06-09
[30] US (14/963,448) 2015-12-09

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[21] **2,950,792**
[13] A1

[51] **Int.Cl. F02C 7/224 (2006.01) B64D 33/08 (2006.01) B64D 37/34 (2006.01) F02C 7/14 (2006.01)**

[25] EN

[54] **THERMAL MANAGEMENT SYSTEM**

[54] **SYSTEME DE GESTION THERMIQUE**

[72] MILLER, BRANDON WAYNE, US

[72] ANSTEAD, DUANE HOWARD, US

[72] SENNOUN, MOHAMMED EL HACIN, US

[72] FANG, NING, US

[72] SNOW, KYLE ROBERT, US

[71] GENERAL ELECTRIC COMPANY, US

[22] 2016-12-06

[41] 2017-06-08

[30] US (14/962,313) 2015-12-08

[30] US (15/041,224) 2016-02-11

[21] **2,950,796**
[13] A1

[51] **Int.Cl. F02K 1/00 (2006.01) B64D 29/00 (2006.01) B64D 33/04 (2006.01) F02K 1/78 (2006.01)**

[25] EN

[54] **EXHAUST NOZZLE FOR GAS TURBINE ENGINE**

[54] **BUSE D'EVACUATION DE TURBINE A GAZ**

[72] HOLT, GAVIN JOSEPH, US

[72] IGLEWSKI, TOMASZ, PL

[72] HOLLAND, JOHN ROBERT, PL

[71] GENERAL ELECTRIC COMPANY, US

[22] 2016-12-06

[41] 2017-06-10

[30] PL (P.415184) 2015-12-10

[21] **2,950,810**
[13] A1

[51] **Int.Cl. C08J 3/09 (2006.01) C09K 8/64 (2006.01) E21B 43/26 (2006.01)**

[25] EN

[54] **METHODS FOR HYDROCARBON RECOVERY**

[54] **METHODES DE RECUPERATION D'HYDROCARBURES**

[72] KIM, DO HOON, US

[72] ALEXIS, DENNIS ARUN, US

[72] DWARAKANATH, VARADARAJAN, US

[72] ESPINOSA, DAVID, US

[72] MALIK, TAIMUR, US

[72] JACKSON, LOGAN, US

[72] LYNCH, TOM, US

[72] ROBINSON, RONALD, US

[72] FOURNIER, FRANCES, US

[72] YANG, HONG, US

[72] AUJLA, SUKHJIT, US

[71] CHEVRON U.S.A. INC., US

[22] 2016-12-07

[41] 2017-06-08

[30] US (62/264772) 2015-12-08

[21] **2,950,838**
[13] A1

[51] **Int.Cl. H05B 37/02 (2006.01) F21K 9/00 (2016.01)**

[25] EN

[54] **COMBINATION DIMMABLE DRIVER**

[54] **COMBINAISON DE MECANISME D'ENTRAINEMENT GRADATEUR**

[72] HU, FENG-KANG, US

[72] WANG, HANGYANG, CN

[72] CHEN, FENG, US

[72] CHOWDHURY, TOWFIQ, US

[72] SPENCER, CHARLES J., US

[71] ABL IP HOLDING LLC, US

[22] 2016-12-06

[41] 2017-06-07

[30] US (62/264310) 2015-12-07

[30] US (14/962968) 2015-12-08

[21] **2,950,841**
[13] A1

[51] **Int.Cl. G06F 21/57 (2013.01) G06F 9/445 (2006.01)**

[25] FR

[54] **LOADING PROCESS FOR A COMPUTER RESOURCE IN AN ELECTRONIC DEVICE, CORRESPONDING ELECTRONIC MODULE AND SOFTWARE PROGRAM**

[54] **PROCEDE DE CHARGEMENT D'UNE RESSOURCE INFORMATIQUE AU SEIN D'UN DISPOSITIF ELECTRONIQUE, MODULE ELECTRONIQUE ET PROGRAMME D'ORDINATEUR CORRESPONDANT**

[72] AUFFRAY, CHRISTOPHE, FR

[71] INGENICO GROUP, FR

[22] 2016-12-07

[41] 2017-06-07

[30] FR (1561948) 2015-12-07

[21] **2,950,850**
[13] A1

[51] **Int.Cl. F27D 21/02 (2006.01) F23M 11/04 (2006.01) G01J 5/02 (2006.01) G02B 1/02 (2006.01) H02J 7/35 (2006.01)**

[25] EN

[54] **THERMAL IMAGING IN A HIGH TEMPERATURE FURNACE**

[54] **IMAGERIE THERMIQUE DANS UN FOUR HAUTE TEMPERATURE**

[72] ZHAO, YAN, US

[72] LI, XIANMING JIMMY, US

[71] AIR PRODUCTS AND CHEMICALS, INC., US

[22] 2016-12-07

[41] 2017-06-09

[30] US (14/963,644) 2015-12-09

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[21] **2,950,928**
[13] A1

[51] **Int.Cl. E06C 1/12 (2006.01) E06C 1/22 (2006.01) E06C 1/38 (2006.01) E06C 7/02 (2006.01)**

[25] EN

[54] **TELESCOPICALLY EXTENDABLE/COLLAPSIBLE LADDER AND METHOD TO FASHION AND USE THE SAME**

[54] **ECHELLE DEPLOYABLE/ECRASABLE TELESCOPIQUEMENT ET METHODE DE PRESENTATION ET UTILISATION ASSOCIEE**

[72] MUTCHNIK, MICHAEL, CA
[72] MUTCHNIK, ANDREY, CA
[72] MUTCHNIK, ANDREY, CA
[71] MUTCHNIK, MICHAEL, CA
[71] MUTCHNIK, ANDREY, CA
[22] 2016-12-08
[41] 2017-06-09
[30] US (14/963,495) 2015-12-09

[21] **2,950,930**
[13] A1

[51] **Int.Cl. B65B 3/04 (2006.01)**

[25] EN

[54] **MACHINE FOR FILLING BOTTLES, CANS AND LIKE CONTAINERS**

[54] **MACHINE DE REMPLISSAGE DE BOUTEILLES, CANNETTES ET AUTRES CONTENANTS SEMBLABLES**

[72] BONDI, ROBERT D., CA
[72] MERLO, ALLAN J., CA
[72] BEDEK, JOHN J., CA
[71] 764944 ALBERTA INC. OPERATING AS AM JADE CO., CA
[22] 2016-12-08
[41] 2017-06-08
[30] US (62264383) 2015-12-08

[21] **2,950,970**
[13] A1

[51] **Int.Cl. H02H 7/04 (2006.01) H01F 27/34 (2006.01)**

[25] EN

[54] **CIRCUIT ARRANGEMENT FOR COMPENSATION OF A DC COMPONENT IN A TRANSFORMER**

[54] **ARRANGEMENT DE CIRCUIT DESTINE A LA COMPENSATION D'UN COMPOSANT CC DANS UN TRANSFORMATEUR**

[72] HAMBERGER, PETER, AT
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[22] 2016-12-08
[41] 2017-06-09
[30] EP (15198567.8) 2015-12-09

[21] **2,950,987**
[13] A1

[51] **Int.Cl. H04L 12/22 (2006.01) H04L 29/02 (2006.01)**

[25] EN

[54] **CONNECTED SECURITY SYSTEM**

[54] **SYSTEME DE SECURITE CONNECTE**

[72] MULCHANDANI, SHAAN, US
[72] HASSANZADEH, AMIN, US
[72] HOVOR, ELVIS, US
[72] MODI, SHIMON, US
[72] NEGM, WALID, US
[71] ACCENTURE GLOBAL SOLUTIONS LIMITED, GB
[22] 2016-12-08
[41] 2017-06-09
[30] US (62/265,186) 2015-12-09
[30] US (15/051,528) 2016-02-23

[21] **2,951,059**
[13] A1

[51] **Int.Cl. A01K 1/01 (2006.01) A01K 1/00 (2006.01) A45F 5/00 (2006.01) A45F 5/10 (2006.01)**

[25] EN

[54] **CLOSED LITTER BOX FOR PETS**

[54] **BAC A LITIERE FERME POUR ANIMAUX DE COMPAGNIE**

[72] BAIOCCHI, RENZO, IT
[71] BAMA S.P.A., IT
[22] 2016-12-06
[41] 2017-06-09
[30] IT (102015000042706) 2015-12-09

[21] **2,951,065**
[13] A1

[51] **Int.Cl. H04N 21/458 (2011.01) H04N 21/4147 (2011.01) H04N 21/6587 (2011.01) H04N 21/81 (2011.01)**

[25] EN

[54] **SYNCHRONIZING PLAYBACK OF SEGMENTED VIDEO CONTENT ACROSS MULTIPLE VIDEO PLAYBACK DEVICES**

[54] **SYNCHRONISATION DE LECTURE DE CONTENU VIDEO SEGMENTE SUR PLUSIEURS DISPOSITIFS DE LECTURE VIDEO**

[72] KIPP, NEILL, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2016-12-07
[41] 2017-06-09
[30] US (14/963,883) 2015-12-09

[21] **2,951,076**
[13] A1

[51] **Int.Cl. A01D 90/14 (2006.01) F16H 48/36 (2012.01) A01K 5/00 (2006.01) B60P 1/40 (2006.01) B65G 67/24 (2006.01) F16H 47/04 (2006.01) F16H 57/10 (2006.01)**

[25] EN

[54] **SYSTEM COMPRISING A MIXER-WAGON, FOR MIXING AND DISTRIBUTING FODDER, AND A MECHANICAL POWER TRANSMISSION UNIT FOR ACTUATING THE MIXER-WAGON**

[54] **SYSTEME COMPORTANT UN WAGON MELANGEUR, DESTINE A MELANGER ET DISTRIBUER DU FOURRAGE ET UN MODULE DE TRANSMISSION DE PUISSANCE MECANIQUE SERVANT A ACTIONNER LE WAGON MELANGEUR**

[72] BONDIOLI, EDI, IT
[71] BONDIOLI, EDI, IT
[22] 2016-12-08
[41] 2017-06-10
[30] IT (102015000081676) 2015-12-10

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[21] **2,951,080**
[13] A1

[51] **Int.Cl. B60N 2/20 (2006.01)**
[25] EN
[54] **EASY ENTRY SEAT ASSEMBLY WITH RECLINER LOCKOUT MECHANISM**
[54] **DISPOSITIF DE SIEGE FACILITANT L'ENTREE DOTE D'UN MECANISME DE VERROUILLAGE D'INCLINAISON**
[72] PLOCH, STEVEN, US
[72] TAME, OMAR D., US
[71] MAGNA SEATING INC., CA
[22] 2016-12-09
[41] 2017-06-09
[30] US (62/264,894) 2015-12-09

[21] **2,951,082**
[13] A1

[51] **Int.Cl. E02F 3/815 (2006.01) B60P 1/56 (2006.01) B65G 67/24 (2006.01) E02F 3/84 (2006.01)**
[25] EN
[54] **MATERIAL DISPERSAL BLADE FOR A BOTTOM DUMP TRAILER**
[54] **LAME DE DISPERSION DE MATERIAU DESTINEE A UNE REMORQUE A DECHARGEMENT PAR LE FOND**
[72] GORDON, GLENN L., US
[71] GORDON, GLENN L., US
[22] 2016-12-07
[41] 2017-06-07
[30] US (62264247) 2015-12-07
[30] US (15370331) 2016-12-06

[21] **2,951,140**
[13] A1

[51] **Int.Cl. G06Q 20/40 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROCESSING ELECTRONIC PAYMENT AUTHORIZATION OF ONLINE CREDIT CARD TRANSACTIONS INVOLVING VIRTUAL CREDIT CARDS**
[54] **SYSTEMES ET METHODES DE TRAITEMENT D'AUTORISATION DE PAIEMENT ELECTRONIQUE DE TRANSACTIONS DE CARTE DE CREDIT EN LIGNE IMPLIQUANT DES CARTES DE CREDIT VIRTUELLES**
[72] MARTIN-BALE, ALEXANDER, CA
[72] ASSOULINE, DANIEL, CA
[71] LAVASOFT CANADA INC., CA
[22] 2016-12-08
[41] 2017-06-08
[30] US (62/264,498) 2015-12-08

[21] **2,951,184**
[13] A1

[51] **Int.Cl. E21B 19/14 (2006.01) E21B 19/15 (2006.01)**
[25] EN
[54] **PIPE HANDLING METHODOLOGY**
[54] **METHODOLOGIE DE TRAITEMENT DE TUYAU**
[72] MAGNUSON, CHRISTOPHER, US
[71] NABORS DRILLING TECHNOLOGIES USA, INC., US
[22] 2016-12-07
[41] 2017-06-09
[30] US (62/265,139) 2015-12-09
[30] US (15/368,990) 2016-12-05

[21] **2,951,213**
[13] A1

[51] **Int.Cl. C09C 1/00 (2006.01) C09C 3/06 (2006.01) C09D 5/33 (2006.01)**
[25] EN
[54] **SOLAR REFLECTIVE PARTICULATES**
[54] **PARTICULES REFLECHISSANTES SOLAIRES**
[72] SMITH, ROCKY LEE, US
[72] WELLER, DAVID EARL, JR., US
[72] WU, SHIH-JEN, US
[72] KRATOCHVIL, RHONDA MARIE, US
[71] U.S. SILICA COMPANY, US
[22] 2016-12-07
[41] 2017-06-08
[30] US (14/962906) 2015-12-08

[21] **2,951,256**
[13] A1

[51] **Int.Cl. H04L 29/02 (2006.01) H04L 12/16 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR HARMFUL FILE RATING AND SCREENING IN ONLINE FILE TRANSFERS**
[54] **SYSTEMES ET METHODES DE CLASSEMENT ET FILTRAGE DE FICHER NUISIBLE LORS DE TRANSFERTS DE FICHER EN LIGNE**
[72] MARTIN-BALE, ALEXANDER, CA
[72] ASSOULINE, DANIEL, CA
[71] LAVASOFT CANADA INC., CA
[22] 2016-12-08
[41] 2017-06-08
[30] US (62/264,715) 2015-12-08

[21] **2,951,297**
[13] A1

[51] **Int.Cl. H02G 3/02 (2006.01) F21S 8/02 (2006.01) F21V 21/04 (2006.01) H02G 3/08 (2006.01)**
[25] EN
[54] **LUMINAIRE JUNCTION BOX HOUSING**
[54] **LOGEMENT DE BOITE DE RACCORDEMENT DE LUMINAIRE**
[72] SCHUBERT, MATTHEW, US
[72] STAUNER, JOSEPH, US
[71] ABL IP HOLDING LLC, US
[22] 2016-12-09
[41] 2017-06-09
[30] US (62/264979) 2015-12-09

[21] **2,951,300**
[13] A1

[51] **Int.Cl. F21V 21/04 (2006.01) F21S 8/02 (2006.01) F21V 23/06 (2006.01) H02G 3/08 (2006.01)**
[25] EN
[54] **LIGHTING ASSEMBLY WITH LIGHT FIXTURE MOUNTED IN ELECTRICAL BOX**
[54] **APPAREIL D'ECLAIRAGE DOTE D'UN DISPOSITIF DE LUMIERE INSTALLE DANS UN COFFRET ELECTRIQUE**
[72] STAUNER, JOSEPH, US
[72] COLLINS, KERRY, US
[71] ABL IP HOLDING LLC, US
[22] 2016-12-09
[41] 2017-06-09
[30] US (62/264888) 2015-12-09

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[21] **2,951,301**
[13] A1

[51] **Int.Cl. H05B 37/02 (2006.01)**
[25] EN
[54] **COLOR MIXING FOR SOLID STATE LIGHTING USING DIRECT AC DRIVES**
[54] **MELANGE DE COULEURS DESTINE A L'ECLAIRAGE A SEMICONDUCTEUR AU MOYEN D'ENTRAINEMENTS CA DIRECTS**
[72] CHOWDHURY, TOWFIQ, US
[72] GIELNIEWSKI, MICHAEL Z., US
[72] CHEN, FENG, US
[72] LOPEZ, ALEJANDRO, US
[71] ABL IP HOLDING LLC, US
[22] 2016-12-09
[41] 2017-06-09
[30] US (62/264903) 2015-12-09

[21] **2,951,306**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/06 (2012.01)**
[25] EN
[54] **SYSTEMS TO ELECTRONICALLY CATALOG AND GENERATE DOCUMENTATION FOR RETAIL-LEVEL POWER**
[54] **SYSTEME DE CATALOGAGE ELECTRONIQUE ET DE GENERATION DE DOCUMENT D'ELECTRICITE AU DETAIL**
[72] MOKHTARI, SASAN, US
[72] SLUTSKER, ILYA WILLIAM, US
[72] DANAI, BEHNAM, US
[72] IPAKCHI, ALI, US
[72] ALBUYEH, FARROKH, US
[72] RAHIMI, ABDOLHOSSEIN AKA FARROKH, US
[71] OPEN ACCESS TECHNOLOGY INTERNATIONAL, INC., US
[22] 2016-12-12
[41] 2017-06-10
[30] US (62/265,551) 2015-12-10

[21] **2,951,307**
[13] A1

[51] **Int.Cl. C10M 143/14 (2006.01)**
[25] EN
[54] **VISCOSITY INDEX IMPROVER CONCENTRATES**
[54] **CONCENTRES D'AMELIORATION D'INDICE DE VISCOSITE**
[72] TARIBAGIL, RAJIV R., US
[72] TAYLOR, STUART A., GB
[72] BRIGGS, STUART, US
[72] CHAMBARD, LAURENT, US
[71] INFINEUM INTERNATIONAL LIMITED, GB
[22] 2016-12-09
[41] 2017-06-09
[30] US (14/963,477) 2015-12-09

[21] **2,951,533**
[13] A1

[51] **Int.Cl. G06F 19/00 (2011.01)**
[25] EN
[54] **AUTOMATED GENERATION OF DIGITAL ELEVATION MODELS**
[54] **GENERATION AUTOMATISEE DE MODELES D'ELEVATION NUMERIQUES**
[72] SALOMONSSON, PETER, CA
[72] INSUA, TANIA LADO, CA
[72] COADY, YVONNE, CA
[71] OCEAN NETWORKS CANADA SOCIETY, CA
[22] 2016-12-09
[41] 2017-06-10
[30] US (62/265,888) 2015-12-10

[21] **2,951,865**
[13] A1

[51] **Int.Cl. E04H 15/34 (2006.01)**
[25] EN
[54] **TENT AND TENT SUPPORT FRAME HAVING SUPPORT POLES COUPLED BY ROTATABLE CONNECTOR**
[54] **TENTE ET CADRE DE SUPPORT DE TENTE COMPORTANT DES MONTANTS COUPLES PAR UN CONNECTEUR PIVOTANT**
[72] JIN, JU YOUNG, CN
[71] LUHUA (XIAMEN) TRADING CO., LTD., CN
[22] 2016-12-09
[41] 2017-06-10
[30] CN (201521021910.4) 2015-12-10

[21] **2,952,472**
[13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 1/04 (2006.01) A01H 5/00 (2006.01) A01H 5/10 (2006.01) C12N 5/10 (2006.01) C12Q 1/68 (2006.01)**
[25] EN
[54] **MAIZE INBRED PH1MDK**
[54] **MAIS ENDOGAME PH1MDK**
[72] HOTCHKISS, JAY ROBERT, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2016-12-21
[41] 2017-06-07

[21] **2,957,341**
[13] A1

[51] **Int.Cl. G07F 19/00 (2006.01) G06F 15/00 (2006.01)**
[25] FR
[54] **THE ELECTRONIC BANK TABLET**
[54] **LA TABLETTE ELECTRONIQUE BANCAIRE**
[72] ANTILUS, JASON-KENOLD, CA
[71] ANTILUS, JASON-KENOLD, CA
[22] 2017-02-08
[41] 2017-06-06

[21] **2,957,773**
[13] A1

[51] **Int.Cl. E01H 5/06 (2006.01) E02F 3/815 (2006.01)**
[25] EN
[54] **DUAL FUNCTION PUSHER-PULLER PLOW BLADE SYSTEM**
[54] **SYSTEME DE LAME DE CHARRUE POUSSER-TIRER DOUBLE FONCTION**
[72] ROBERGE, JULES, CA
[71] ATELIER D'USINAGE JULES ROBERGE INC., CA
[22] 2017-02-10
[41] 2017-06-08
[30] US (62/293,366) 2016-02-10

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[21] **2,962,997**
[13] A1

[51] **Int.Cl. F28F 21/08 (2006.01) C09K 5/10 (2006.01) C10G 1/00 (2006.01) C10G 1/04 (2006.01) F24J 3/00 (2006.01) F28D 7/10 (2006.01)**

[25] EN

[54] **ENTHALPY RECOVERY FROM TAILINGS**

[54] **RECUPERATION DE RESIDUS PAR ENTHALPIE**

[72] COOK, CHARLES J., CA

[72] CEBULA, SCOTT, CA

[72] HALIM, AMAR B., CA

[72] ALAM, SOHAIB SYED, CA

[72] KOROLUK, DEVON C., CA

[71] IMPERIAL OIL RESOURCES LIMITED, CA

[22] 2017-03-31

[41] 2017-06-05

[21] **2,963,007**
[13] A1

[51] **Int.Cl. B66F 9/22 (2006.01) F15B 11/00 (2006.01) F15B 13/02 (2006.01)**

[25] EN

[54] **A SECTIONAL HYDRAULIC VALVE AND A TRUCK MOUNTED FORKLIFT INCORPORATING THE VALVE**

[54] **UNE VANNE HYDRAULIQUE SECTIONNELLE ET UN CHARIOT ELEVATEUR INSTALLE SUR UN CAMION COMPORTANT LA VANNE**

[72] TURNBULL, KEVIN, IE

[72] TADDIA, LUCA, IT

[72] GUERRIERI, STEFANO, IT

[71] CARGOTEC RESEARCH & DEVELOPMENT IRELAND LIMITED, IE

[71] BUCHER HYDRAULICS SPA, IT

[22] 2017-03-31

[41] 2017-06-05

[30] EP (16163462.1) 2016-03-31

[21] **2,963,112**
[13] A1

[51] **Int.Cl. G01R 31/00 (2006.01) G09B 9/00 (2006.01) G09B 9/08 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR DIAGNOSIS OF A SIMULATOR**

[54] **METHODE ET SYSTEME DE DIAGNOSTIC D'UN SIMULATEUR**

[72] GIROUX, ANN-KATHERINE, CA

[72] GALIBOIS, MICHEL, CA

[72] HENEALT, YANNICK, CA

[72] FILKORN, GUNTHER SASCHA, CA

[72] MELOCHE-CHARLEBOIS, FRANCIS, CA

[71] CAE INC., CA

[22] 2017-03-31

[41] 2017-06-05

[21] **2,963,116**
[13] A1

[51] **Int.Cl. G09B 23/30 (2006.01) G09B 9/00 (2006.01) A61F 2/14 (2006.01)**

[25] EN

[54] **ARTIFICIAL EYE SYSTEM COMPRISING A SEE-THROUGH DISPLAY**

[54] **SYSTEME D'OEIL ARTIFICIEL COMPORTANT UN ECRAN TRANSPARENT**

[72] FLAMAND, JEAN-SEBASTIEN, CA

[72] CARON, FRANCOIS, CA

[71] CAE INC., CA

[22] 2017-03-31

[41] 2017-06-05

[21] **2,963,120**
[13] A1

[51] **Int.Cl. A61F 9/00 (2006.01) G09B 23/30 (2006.01) G09G 5/00 (2006.01)**

[25] EN

[54] **ARTIFICIAL EYE SYSTEM**

[54] **SYSTEME D'OEIL ARTIFICIEL**

[72] FLAMAND, JEAN-SEBASTIEN, CA

[72] CARON, FRANCOIS, CA

[71] CAE INC., CA

[22] 2017-03-31

[41] 2017-06-05

[21] **2,963,139**
[13] A1

[51] **Int.Cl. G07F 17/26 (2006.01) G06Q 30/02 (2012.01) G06Q 50/10 (2012.01) G06F 3/12 (2006.01) G07F 17/16 (2006.01)**

[25] EN

[54] **THE SMARTNEWSPAPER**

[54] **LE JOURNAL INTELLIGENT**

[72] MURARU, ION, CA

[71] MURARU, ION, CA

[22] 2017-04-03

[41] 2017-06-05

[21] **2,963,239**
[13] A1

[51] **Int.Cl. F23M 5/08 (2006.01) F22B 27/10 (2006.01) F22B 37/12 (2006.01) F23C 3/00 (2006.01) F23C 15/00 (2006.01) F23M 9/10 (2006.01)**

[25] EN

[54] **SCALABLE PULSE COMBUSTOR**

[54] **CHAMBRE DE COMBUSTION PULSEE EVOLUTIVE**

[72] MOVASSAGHI, MEHRZAD, CA

[71] MOVASSAGHI, MEHRZAD, CA

[22] 2017-04-05

[41] 2017-06-08

[30] US (61/446,362) 2017-01-13

[21] **2,963,252**
[13] A1

[51] **Int.Cl. H04N 21/80 (2011.01) G06T 15/04 (2011.01) G06T 15/00 (2011.01) G09B 9/00 (2006.01) H04N 13/02 (2006.01)**

[25] EN

[54] **MULTIPLE DATA SOURCES OF CAPTURED DATA INTO SINGLE NEWLY RENDERED VIDEO FEED**

[54] **SOURCES DE DONNEES MULTIPLES DE DONNEES CAPTUREES DANS UN FLUX VIDEO NOUVELLEMENT RENDU SIMPLE**

[72] IRELAND, ALEXANDER, CA

[72] RUSS, JACK, CA

[72] BOWNESS, DAVID, CA

[71] CAE INC., CA

[22] 2017-04-03

[41] 2017-06-07

[30] US (15/476,946) 2017-03-31

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[21] **2,963,254**

[13] A1

[51] **Int.Cl. G09B 9/00 (2006.01) G09B 9/08 (2006.01)**

[25] EN

[54] **CONTEXTUAL MONITORING
PERSPECTIVE SELECTION
DURING TRAINING SESSION**

[54] **SELECTION DE PERSPECTIVE DE
SURVEILLANCE
CONTEXTUELLE PENDANT UNE
SEANCE DE FORMATION**

[72] DELISLE, JEAN-FRANCOIS, CA

[71] CAE INC., CA

[22] 2017-04-03

[41] 2017-06-07

[30] CA (PCT/CA2017/050181) 2017-02-15

[30] US (15/476,955) 2017-03-31

[21] **2,963,259**

[13] A1

[51] **Int.Cl. G06F 19/00 (2011.01) G06T 15/04 (2011.01) G09B 9/00 (2006.01)**

[25] EN

[54] **IMPROVED HEAT RENDERING IN
AN INTERACTIVE COMPUTER
SIMULATION SYSTEM**

[54] **RENDU DE CHALEUR AMELIORE
DANS UN SYSTEME DE
SIMULATION INFORMATIQUE
INTERACTIF**

[72] PIGEON, MICHEL, CA

[71] CAE INC., CA

[22] 2017-04-03

[41] 2017-06-06

[30] US (15/476,924) 2017-03-31

[21] **2,963,256**

[13] A1

[51] **Int.Cl. G09B 9/00 (2006.01) G09B 9/08 (2006.01)**

[25] EN

[54] **PERSPECTIVE SELECTION FOR
A DEBRIEFING SCENE**

[54] **SELECTION DE PERSPECTIVE
D'UNE SCENE DE COMPTE
RENDU**

[72] DELISLE, JEAN-FRANCOIS, CA

[71] CAE INC., CA

[22] 2017-04-03

[41] 2017-06-07

[30] CA (PCT/CA2017/050181) 2017-02-15

[30] US (15/476,952) 2017-03-31

[21] **2,963,257**

[13] A1

[51] **Int.Cl. H04N 21/80 (2011.01) H04N 21/44 (2011.01) G06T 5/00 (2006.01) G09B 9/00 (2006.01) G09B 9/08 (2006.01)**

[25] EN

[54] **DETERIORATED VIDEO FEED**

[54] **FLUX VIDEO DETERIORE**

[72] RUSS, JACK, CA

[72] BOWNESS, DAVID, CA

[72] IRELAND, ALEXANDER, CA

[71] CAE INC., CA

[22] 2017-04-03

[41] 2017-06-06

[30] US (15/476,949) 2017-03-31

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[51] Int.Cl. E21B 17/10 (2006.01) E21B 23/00 (2006.01) E21B 33/14 (2006.01) [25] EN [54] CENTRALIZERS FOR CENTRALIZING WELL CASINGS [54] CENTRALISEURS SERVANT A CENTRALISER DES TUBAGES DE PUIT [72] JEWETT, SCOTT E., US [72] DUCKWORTH, DAVID G., US [71] BP CORPORATION NORTH AMERICA INC., US [85] 2016-01-22 [86] 2015-12-07 (PCT/US2015/064277) [87] (2918558)	[51] Int.Cl. A61K 39/42 (2006.01) A61P 31/22 (2006.01) A61P 37/04 (2006.01) C07K 16/08 (2006.01) [25] EN [54] TOPICAL APPLICATION FOR AN ANTI-HSV ANTIBODY [54] APPLICATION TOPIQUE POUR ANTICORPS ANTI-HSV [72] ARNDT, MICHAELA, DE [72] KRAUSS, JURGEN, DE [72] JAGER, DIRK, DE [71] HEIDELBERG IMMUNOTHERAPEUTICS GMBH, DE [85] 2016-11-28 [86] 2015-06-25 (PCT/EP2015/064378) [87] (WO2015/197763) [30] EP (14174174.4) 2014-06-26	[51] Int.Cl. A61K 48/00 (2006.01) A61P 21/00 (2006.01) C07K 14/47 (2006.01) C12N 7/01 (2006.01) C12N 15/12 (2006.01) C12N 15/864 (2006.01) [25] EN [54] EFFICIENT SYSTEMIC TREATMENT OF DYSTROPHIC MUSCLE PATHOLOGIES [54] TRAITEMENT SYSTEMIQUE EFFICACE DE PATHOLOGIES MUSCULAIRES DYSTROPHIQUES [72] DICKSON, GEORGE, GB [72] VOIT, THOMAS, FR [72] MOULLIER, PHILIPPE, FR [72] LE GUINER, CAROLINE, FR [71] GENETHON, FR [71] ROYAL HOLLOWAY AND BEDFORD NEW COLLEGE, GB [85] 2016-12-21 [86] 2015-04-24 (PCT/EP2015/058964) [87] (WO2015/197232) [30] EP (14174848.3) 2014-06-27
[21] 2,939,609 [13] A1	[21] 2,950,829 [13] A1	[21] 2,953,272 [13] A1
[51] Int.Cl. C22C 29/08 (2006.01) B33Y 10/00 (2015.01) B33Y 70/00 (2015.01) B22F 7/06 (2006.01) C22C 19/03 (2006.01) [25] EN [54] METAL MATRIX COMPOSITIONS AND METHODS FOR MANUFACTURING SAME [54] COMPOSITIONS DE MATRICE METALLIQUE ET METHODES DE FABRICATION ASSOCIEES [72] XU, YUEHUA, CN [72] YUAN, YUAN, CN [72] LIU, BIN, CN [71] SEED TECHNOLOGIES CORP., LTD., CN [85] 2016-07-29 [86] 2016-04-25 (PCT/CN2016/080123) [87] (2939609) [30] CN (201510887962.8) 2015-12-07 [30] IB (PCT/CN2016/072748) 2016-01-29	[51] Int.Cl. B01D 71/62 (2006.01) B01D 71/66 (2006.01) C08G 73/18 (2006.01) C08G 73/22 (2006.01) C08G 75/32 (2006.01) [25] EN [54] METHOD OF PRODUCING A THERMALLY REARRANGED PBX, THERMALLY REARRANGED PBX AND MEMBRANE [54] PROCEDE DE PRODUCTION D'UN PBX THERMIQUEMENT REARRANGE, PBX THERMIQUEMENT REARRANGE ET MEMBRANE [72] TENA, ALBERTO, ES [72] RANGOU, SOFIA, DE [72] SHISHATSKIY, SERGEY, DE [71] HELMHOLTZ-ZENTRUM GEESTHACHT ZENTRUM FUR MATERIAL-UND KUSTENFORSCHUNG GMBH, DE [85] 2016-11-30 [86] 2016-01-25 (PCT/EP2016/051415) [87] (WO2016/120189) [30] EP (15153089.6) 2015-01-29	[51] Int.Cl. A61K 31/495 (2006.01) A61K 31/38 (2006.01) A61K 31/438 (2006.01) A61K 31/473 (2006.01) A61K 45/00 (2006.01) A61P 35/02 (2006.01) G01N 33/50 (2006.01) [25] EN [54] METHODS FOR TREATING, DIAGNOSING AND PROGNOSED A HAEMATOLOGICAL MALIGNANCY [54] PROCEDES POUR LE TRAITEMENT, LE DIAGNOSTIC ET LE PRONOSTIC D'UNE TUMEUR MALIGNNE HEMATOLOGIQUE [72] MUNOZ RISUENO, RUTH, ES [71] INSTITUT DE RECERCA CONTRA LA LEUCEMIA JOSEP CARRERAS, ES [85] 2016-12-21 [86] 2015-06-26 (PCT/EP2015/064571) [87] (WO2015/197839) [30] EP (14382249.2) 2014-06-27

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<p style="text-align: center;">[21] 2,953,284 [13] A1</p> <p>[51] Int.Cl. C07D 495/10 (2006.01) [25] EN [54] METHODS FOR THE PREPARATION OF 1,3-BENZODIOXOLE HETEROCYCLIC COMPOUNDS</p> <p>[54] PROCEDES POUR LA PREPARATION DE COMPOSES HETEROCYCLIQUES 1,3-BENZODIOXOLE</p> <p>[72] METZLER, BJORN, DK [72] FALDT, ANDRE, DK [71] LEO PHARMA A/S, DK [85] 2016-12-21 [86] 2015-06-22 (PCT/EP2015/063942) [87] (WO2015/197534) [30] EP (14173397.2) 2014-06-23</p>	<p style="text-align: center;">[21] 2,954,103 [13] A1</p> <p>[51] Int.Cl. A62C 35/64 (2006.01) A62C 35/68 (2006.01) [25] EN [54] GAS EXTINGUISHING SYSTEM [54] INSTALLATION D'EXTINCTION DE GAZ INERTE</p> <p>[72] EBERLEIN, ANSELM, DE [71] AMRONA AG, CH [85] 2017-01-03 [86] 2015-09-10 (PCT/EP2015/070706) [87] (WO2016/045979) [30] EP (14185826.6) 2014-09-22</p>	<p style="text-align: center;">[21] 2,954,824 [13] A1</p> <p>[51] Int.Cl. B29C 49/12 (2006.01) B29C 45/00 (2006.01) B29C 49/64 (2006.01) B29B 11/06 (2006.01) B29B 11/12 (2006.01) B29C 35/16 (2006.01) B29C 43/50 (2006.01) B29C 45/72 (2006.01) B29C 49/06 (2006.01) B29C 49/42 (2006.01) B29C 71/00 (2006.01) [25] EN [54] SYSTEM FOR THE FURTHER TREATMENT OF PREFORMS PRODUCED BY MEANS OF INJECTION MOLDING</p> <p>[54] SYSTEME DE TRAITEMENT ULTERIEUR DE PREFORMES FABRIQUEES PAR MOULAGE PAR INJECTION</p> <p>[72] WAGNER, CHRISTIAN, DE [72] THOMMES, HELMUT, DE [72] PETRY, RAINER, DE [71] MHT MOLD & HOTRUNNER TECHNOLOGY AG, DE [85] 2017-01-11 [86] 2015-08-21 (PCT/EP2015/069250) [87] (WO2016/030293) [30] DE (10 2014 112 438.3) 2014-08-29</p>
<p style="text-align: center;">[21] 2,953,341 [13] A1</p> <p>[51] Int.Cl. C07C 219/10 (2006.01) A61K 9/127 (2006.01) A61K 31/7088 (2006.01) A61K 31/7105 (2006.01) A61K 47/16 (2006.01) A61K 47/22 (2006.01) C07C 219/06 (2006.01) C07D 295/13 (2006.01) C08G 65/00 (2006.01) [25] EN [54] NOVEL LIPIDS AND LIPID NANOPARTICLE FORMULATIONS FOR DELIVERY OF NUCLEIC ACIDS</p> <p>[54] NOUVEAUX LIPIDES ET FORMULATIONS NANOPARTICULAIRES LIPIDIQUES POUR L'ADMINISTRATION D'ACIDES NUCLEIQUES</p> <p>[72] ANSELL, STEVEN MICHIAL, CA [72] DU, XINYAO, CA [71] ACUITAS THERAPEUTICS INC., CA [85] 2016-12-21 [86] 2015-06-05 (PCT/US2015/034496) [87] (WO2015/199952) [30] US (62/016,839) 2014-06-25</p>	<p style="text-align: center;">[21] 2,954,751 [13] A1</p> <p>[51] Int.Cl. C07D 401/14 (2006.01) A61P 31/16 (2006.01) C07D 403/14 (2006.01) [25] EN [54] INDOLES FOR USE IN INFLUENZA VIRUS INFECTION</p> <p>[54] INDOLES POUVANT ETRE UTILISES DANS L'INFECTION PAR LE VIRUS INFLUENZA</p> <p>[72] JONCKERS, TIM HUGO MARIA, BE [72] RABOISSON, PIERRE JEAN-MARIE BERNARD, BE [72] GUILLEMONT, JEROME EMILE GEORGES, FR [72] MC GOWAN, DAVID CRAIG, BE [72] EMBRECHTS, WERNER CONSTANT JOHAN, BE [72] COOYMANS, LUDWIG PAUL, BE [72] MICHAUT, ANTOINE BENJAMIN, FR [71] JANSSEN SCIENCES IRELAND UC, IE [85] 2017-01-10 [86] 2015-08-07 (PCT/EP2015/068257) [87] (WO2016/020526) [30] EP (EP14180331.2) 2014-08-08</p>	<p style="text-align: center;">[21] 2,955,566 [13] A1</p> <p>[51] Int.Cl. D04H 1/425 (2012.01) D04H 1/4258 (2012.01) D04H 1/492 (2012.01) A47L 13/16 (2006.01) D21H 27/00 (2006.01) [25] EN [54] DISPERSIBLE NON-WOVEN FABRIC AND METHOD FOR PRODUCING THE SAME</p> <p>[54] TISSU NON TISSE DISPERSIBLE ET PROCEDE DE PRODUCTION ASSOCIE</p> <p>[72] KELLNER, JURGEN, DE [72] KUHN, JORG, DE [71] GLATFELTER GERNSBACH GMBH, DE [85] 2017-01-18 [86] 2015-08-10 (PCT/EP2015/068345) [87] (WO2016/023856) [30] EP (14180701.6) 2014-08-12</p>

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[21] **2,956,028**
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01)**
[25] EN
[54] **A METHOD FOR FUSING OR CONTACTING REACTOR AND REAGENT DROPLETS IN A MICROFLUIDIC OR MILLIFLUIDIC DEVICE**

[54] **PROCEDE DE FUSION OU DE MISE EN CONTACT DE GOUTTELETTES DE REACTEUR ET DE REACTIF DANS UN DISPOSITIF MICROFLUIDIQUE OU MILLIFLUIDIQUE**

[72] GARNICA RODRIGUEZ, JAIRO IVAN, FR
[72] BOITARD, LAURENT, FR
[72] DREVELLE, ANTOINE SERGE DOMINIQUE, FR
[72] BREMOND, NICOLAS PIERRE, FR
[72] BIBETTE, JEROME, FR
[71] ETABLISSEMENTS J. SOUFFLET, FR

[71] ECOLE SUPERIEURE DE PHYSIQUE ET DE CHIMIE INDUSTRIELLES DE LA VILLE DE PARIS, FR

[85] 2017-01-23
[86] 2015-08-05 (PCT/EP2015/068014)
[87] (WO2016/020414)
[30] EP (14306248.7) 2014-08-06

[21] **2,956,339**
[13] A1

[51] **Int.Cl. B65D 75/00 (2006.01) B65D 75/58 (2006.01)**
[25] EN
[54] **PACKAGING SACHET**
[54] **SACHET D'EMBALLAGE**

[72] VAN DEN BERG, ROSEL SUZAN ADINE, NL
[72] BURGMANS, HIDDE HANS, NL
[72] DELFOS, RICCO JOHANNES, NL
[72] PEETERS, ANNA-LOUISA, NL
[72] VAN WULFFTEN PALTHE, FLORINE QUINTA HENRIETTE, NL

[71] UNILEVER PLC, GB

[85] 2017-01-26
[86] 2015-07-06 (PCT/EP2015/065344)
[87] (WO2016/020131)
[30] EP (14180147.2) 2014-08-07

[21] **2,956,663**
[13] A1

[51] **Int.Cl. D21H 27/10 (2006.01) B65D 65/42 (2006.01) D21H 19/20 (2006.01) D21H 19/56 (2006.01) D21H 19/58 (2006.01) D21H 23/24 (2006.01)**

[25] FR
[54] **METHOD FOR THE PRODUCTION OF HEAT-SEALING BARRIER PAPER**

[54] **PROCEDE DE FABRICATION D'UN PAPIER BARRIERE THERMOSCELLANT**

[72] SCHILDKNECHT, LAURENT, FR
[72] SCHOTT, SEVERINE, FR
[72] ESCAFFRE, PASCALE, FR
[71] MUNKSJO OYJ, FI

[85] 2017-01-27
[86] 2015-07-29 (PCT/EP2015/067437)
[87] (WO2016/016339)
[30] FR (1457372) 2014-07-30

[21] **2,956,681**
[13] A1

[51] **Int.Cl. A61L 27/38 (2006.01) C12N 5/077 (2010.01) C12N 5/0793 (2010.01)**

[25] EN
[54] **TRANSDIFFERENTIATED TISSUE GRAFT**

[54] **GREFFE DE TISSU TRANSDIFFERENCIE**

[72] EDER, CLAUDIA, AT
[72] OGON, MICHAEL, AT
[71] EDER, CLAUDIA, AT
[71] OGON, MICHAEL, AT

[85] 2017-01-27
[86] 2015-07-30 (PCT/EP2015/067546)
[87] (WO2016/016386)
[30] EP (14179132.7) 2014-07-30

[21] **2,956,766**
[13] A1

[51] **Int.Cl. D21H 27/10 (2006.01) B65D 65/42 (2006.01) D21H 19/38 (2006.01) D21H 19/82 (2006.01) D21H 21/52 (2006.01)**

[25] FR
[54] **HEAT-SEALING BARRIER PAPER**
[54] **PAPIER BARRIERE THERMOSCELLANT**

[72] SCHILDKNECHT, LAURENT, FR
[72] SCHOTT, SEVERINE, FR
[72] ESCAFFRE, PASCALE, FR
[71] MUNKSJO OYJ, FI

[85] 2017-01-27
[86] 2015-07-29 (PCT/EP2015/067438)
[87] (WO2016/016340)
[30] FR (1457368) 2014-07-30

[21] **2,956,867**
[13] A1

[51] **Int.Cl. B01D 46/44 (2006.01) B81C 1/00 (2006.01)**
[25] EN
[54] **SENSOR, FILTER ELEMENT COMPRISING A SENSOR AND USE OF SAID TYPE OF FILTER ELEMENT**

[54] **CAPTEUR, ELEMENT FILTRE COMPORTANT UN CAPTEUR ET UTILISATION D'UN TEL ELEMENT FILTRE**

[72] CAESAR, THOMAS, DE
[72] TAPPER, RENATE, DE
[72] HEINZ, STEFFEN, DE
[72] NEUBERT, MARCO, DE
[71] CARL FREUDENBERG KG, DE

[85] 2017-01-31
[86] 2015-07-23 (PCT/EP2015/066877)
[87] (WO2016/016085)
[30] DE (10 2014 011 247.0) 2014-08-01

[21] **2,957,123**
[13] A1

[51] **Int.Cl. B29C 47/00 (2006.01) B29C 45/27 (2006.01) B29C 67/00 (2017.01)**

[25] EN
[54] **GRANULE/LIQUID FLOW ADJUSTING DEVICE FOR 3D PRINTER HEADS SUPPLIED WITH GRANULES AND/OR LIQUIDS**

[54] **DISPOSITIF D'AJUSTEMENT DE FLUX DE LIQUIDE/GRANULES POUR TETES D'IMPRESSION 3-D ALIMENTES EN GRANULES ET/OU LIQUIDE**

[72] STUBENRUSS, MORITZ, IT
[71] STARFORT DES STUBENRUSS MORITZ, IT

[85] 2017-02-01
[86] 2015-07-14 (PCT/EP2015/066023)
[87] (WO2016/020150)
[30] IT (BZ2014A000029) 2014-08-05

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[21] **2,957,132**
[13] A1

[51] **Int.Cl. B29C 49/18 (2006.01) A61M 25/10 (2013.01) B29C 49/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A BALLOON FOR ANGIOPLASTY**
[54] **PROCEDE DE FABRICATION D'UN BALLONNET POUR ANGIOPLASTIE**
[72] WESSELMANN, MATTHIAS, CH
[72] HANI, SEMIJAN, CH
[72] QUINT, BODO, DE
[71] BIOTRONIK AG, CH
[85] 2017-02-02
[86] 2015-05-21 (PCT/EP2015/061272)
[87] (WO2016/026591)
[30] US (62/039,439) 2014-08-20
[30] EP (14181572.0) 2014-08-20

[21] **2,957,461**
[13] A1

[51] **Int.Cl. D21C 3/02 (2006.01) C02F 11/00 (2006.01) C08L 97/00 (2006.01) D01F 9/17 (2006.01) D21C 11/00 (2006.01) D21H 11/02 (2006.01)**
[25] EN
[54] **METHOD FOR OBTAINING STABILIZED LIGNIN HAVING A DEFINED PARTICLE-SIZE DISTRIBUTION FROM A LIGNIN-CONTAINING LIQUID**
[54] **PROCEDE D'EXTRACTION D'UNE LIGNINE STABILISEE AYANT UNE DISTRIBUTION GRANULOMETRIQUE DEFINIE A PARTIR D'UN LIQUIDE CONTENANT DE LA LIGNINE**
[72] WITTMANN, TOBIAS, DE
[71] SUNCOAL INDUSTRIES GMBH, DE
[85] 2017-02-07
[86] 2015-08-04 (PCT/EP2015/067958)
[87] (WO2016/020383)
[30] DE (10 2014 215 807.9) 2014-08-08

[21] **2,957,473**
[13] A1

[51] **Int.Cl. C07C 303/44 (2006.01) C12P 7/10 (2006.01) C13K 1/00 (2006.01) C13K 1/02 (2006.01) C07C 309/02 (2006.01)**
[25] EN
[54] **IMPROVED PROCESS FOR TREATING BIOMASS TO PRODUCE MATERIALS USEFUL FOR BIOFUELS**
[54] **PROCEDE PERFECTIONNE POUR LE TRAITEMENT DE BIOMASSE POUR PRODUIRE DES MATERIAUX UTILES POUR DES BIOCARBURANTS**
[72] BLACKBOURN, ROBERT LAWRENCE, US
[72] WEIDER, PAUL RICHARD, US
[72] BORISKI, DENNIS SHANE, US
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2017-02-06
[86] 2015-08-13 (PCT/US2015/045014)
[87] (WO2016/025689)
[30] US (62/037,198) 2014-08-14

[21] **2,957,484**
[13] A1

[51] **Int.Cl. B07C 5/02 (2006.01) B07C 5/342 (2006.01)**
[25] EN
[54] **SORTING INSTALLATION AND METHOD FOR SEPARATING MATERIAL FRACTIONS**
[54] **INSTALLATION DE TRI ET PROCEDE DE SEPARATION DE FRACTIONS DE MATERIAU**
[72] BOHLEBER, JURGEN, DE
[72] SCHMIDT, ALFRED, DE
[71] UNISENSOR SENSORSYSTEME GMBH, DE
[85] 2017-02-07
[86] 2015-08-19 (PCT/EP2015/069081)
[87] (WO2016/026908)
[30] DE (10 2014 111 871.5) 2014-08-20

[21] **2,957,790**
[13] A1

[51] **Int.Cl. C07C 65/05 (2006.01) A23K 20/00 (2016.01) A23K 20/195 (2016.01) A23K 20/20 (2016.01) A23L 33/10 (2016.01) A23L 33/16 (2016.01) A01N 37/36 (2006.01) A01N 37/44 (2006.01) A01N 43/40 (2006.01) A01P 1/00 (2006.01) A61K 31/192 (2006.01) A61K 31/198 (2006.01) A61K 31/44 (2006.01) A61L 2/16 (2006.01) A61L 31/16 (2006.01) A61P 31/00 (2006.01) C07C 62/04 (2006.01) C07C 62/26 (2006.01) C07C 229/76 (2006.01) C07D 213/79 (2006.01) C09D 5/14 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL COMPOUNDS AND COMPOSITIONS, AND USES THEREOF**
[54] **COMPOSES ET COMPOSITIONS ANTIMICROBIENS AINSI QUE LEURS UTILISATIONS**
[72] ALA'ALDEEN, DLAWER, GB
[72] MAHDAVI, JAFAR, GB
[72] SOULTANAS, PANOS, GB
[71] AKESO BIOMEDICAL, INC., US
[85] 2017-02-09
[86] 2015-08-11 (PCT/US2015/044603)
[87] (WO2016/025448)
[30] US (62/036,790) 2014-08-13
[30] US (62/137,630) 2015-03-24
[30] US (62/138,499) 2015-03-26
[30] US (62/171,081) 2015-06-04
[30] US (62/188,183) 2015-07-02

[21] **2,957,812**
[13] A1

[51] **Int.Cl. B27K 3/34 (2006.01) B27N 1/00 (2006.01) C07C 51/42 (2006.01) C07C 51/44 (2006.01) C07C 53/08 (2006.01) C08B 3/06 (2006.01)**
[25] EN
[54] **PROCESS FOR THE RECOVERY OF CARBOXYLIC ACID AND WOOD TREATMENT PROCESS**
[54] **PROCEDE DE RECUPERATION D'ACIDE CARBOXYLIQUE ET PROCEDE DE TRAITEMENT DU BOIS**
[72] KRUMREY, THOMAS, DE
[72] HUMMEL, ANDREAS, DE
[72] HOLTER, DIRK, DE
[71] SOLVAY ACETOW GMBH, DE
[85] 2017-02-09
[86] 2015-08-13 (PCT/EP2015/068679)
[87] (WO2016/026768)
[30] EP (14181419.4) 2014-08-19

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[21] **2,958,564**
[13] A1

[51] **Int.Cl. B29C 33/30 (2006.01) B29C 33/38 (2006.01)**
[25] EN
[54] **A METHOD OF MANUFACTURING A MOULD FOR A WIND TURBINE BLADE SHELL**
[54] **PROCEDE DE FABRICATION D'UN MOULE POUR UNE COQUE D'AUBE DE TURBINE EOLIENNE**
[72] DE WAAL MALEFIJT, BERNARD WILLEM, DK
[72] WOLF, ULRIK, DK
[72] KIRKEGAARD, DANIEL SCHLICHTING, DK
[71] LM WP PATENT HOLDING A/S, DK
[85] 2017-02-17
[86] 2015-08-18 (PCT/EP2015/068966)
[87] (WO2016/026867)
[30] EP (14181425.1) 2014-08-19
[30] GB (1415217.7) 2014-08-28

[21] **2,958,615**
[13] A1

[51] **Int.Cl. B09C 1/06 (2006.01)**
[25] EN
[54] **METHOD AND MEANS FOR TREATMENT OF SOIL**
[54] **PROCEDE ET MOYENS DE TRAITEMENT DU SOL**
[72] KLINT, KNUD ERIK, DK
[72] KJOLLER, CLAUS, DK
[72] LORENTZEN, HANS JORGEN, DK
[72] TERKELSEN, MADDS, DK
[71] DE NATIONALE GEOLOGISKE UNDERSOGEJLSER FOR DANMARK OG GRONLAND, DK
[85] 2017-02-17
[86] 2015-09-24 (PCT/EP2015/071947)
[87] (WO2016/046304)
[30] EP (PCT/EP2014/070413) 2014-09-24

[21] **2,958,732**
[13] A1

[51] **Int.Cl. B01D 53/50 (2006.01) B01D 53/75 (2006.01) B01D 53/86 (2006.01) C01B 17/765 (2006.01)**
[25] EN
[54] **METHOD FOR THE CATALYTIC REMOVAL OF SULPHUR DIOXIDE FROM EXHAUST GASES**
[54] **PROCEDE D'ELIMINATION CATALYTIQUE DU DIOXYDE DE SOUFRE CONTENU DANS DES GAZ D'ECHAPPEMENT**
[72] STRICKROTH, ALAIN, LU
[71] CPPE CARBON PROCESS & PLANT ENGINEERING S.A., LU
[85] 2017-02-21
[86] 2015-09-16 (PCT/EP2015/071153)
[87] (WO2016/042005)
[30] LU (LU 92 547) 2014-09-17

[21] **2,958,734**
[13] A1

[51] **Int.Cl. B27B 25/00 (2006.01) A01G 23/00 (2006.01) B27B 25/04 (2006.01) B27L 7/00 (2006.01) B65B 5/06 (2006.01) B65B 5/10 (2006.01) B65B 25/02 (2006.01) B65B 35/12 (2006.01) B65B 35/24 (2006.01) B65B 35/32 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR AUTOMATIC PACKING OF WOOD**
[54] **PROCEDE ET DISPOSITIF POUR EMPAQUETAGE AUTOMATIQUE DE BOIS**
[72] HOLTET, OLE JANSEN, NO
[72] EVENSMO, MORTEN HVISTENDAHL, NO
[72] MOINICHEN, JORGEN, NO
[72] TURTUM, GEIR, NO
[72] RANHEIM, LARS MARTIN, NO
[72] PEDERSEN, JON-ARNE, NO
[72] BJORNE, ELIAS, NO
[72] LUNDGAARD, JOHANNES HATLE, NO
[72] BRITTON, PETER RICHARD, NO
[72] JOHANSEN, FREDRIK, NO
[71] VEPAK AS, NO
[85] 2017-02-13
[86] 2015-08-14 (PCT/EP2015/068768)
[87] (WO2016/024016)
[30] GB (1414437.2) 2014-08-14
[30] GB (1502222.1) 2015-02-11
[30] GB (1508249.8) 2015-05-14

[21] **2,959,195**
[13] A1

[51] **Int.Cl. B05B 7/24 (2006.01)**
[25] EN
[54] **LID WITH VENTILATION SYSTEM**
[54] **COUVERCLE COMPRENANT SYSTEME DE VENTILATION**
[72] DE ROO, PETER ROBERT, NL
[71] EMM HOLDING BV, NL
[85] 2017-02-24
[86] 2015-08-11 (PCT/EP2015/068461)
[87] (WO2016/030181)
[30] EP (14182417.7) 2014-08-27

[21] **2,959,214**
[13] A1

[51] **Int.Cl. D06M 10/00 (2006.01) D06M 14/18 (2006.01) D06M 15/263 (2006.01) H01B 7/288 (2006.01)**
[25] EN
[54] **TEXTILE FABRIC FOR PREVENTING THE PENETRATION AND SPREADING OF WATER IN CABLES**
[54] **STRUCTURE TEXTILE PERMETTANT D'EMPECHER QUE DE L'EAU NE S'INTRODUISE ET NE SE REPANDE DANS DES CABLES**
[72] KRAMER, DOMINIC, DE
[72] SCHNEIDER, ULRICH, DE
[72] JARRE, GERALD, DE
[72] SCHUSTER, MATTHIAS, DE
[72] ZAPLATILEK, NERMINA, DE
[72] SUTTER, MARCO, DE
[72] SMITH, IAIN, GB
[71] CARL FREUDENBERG KG, DE
[85] 2017-02-24
[86] 2015-09-01 (PCT/EP2015/069940)
[87] (WO2016/034578)
[30] DE (102014012888.1) 2014-09-04

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[21] **2,959,700**
[13] A1

[51] **Int.Cl. B01D 53/14 (2006.01) C10L 3/10 (2006.01)**
[25] EN
[54] **ABSORBENT FOR SELECTIVE REMOVAL OF HYDROGEN SULFIDE FROM A FLUID STREAM**
[54] **PRODUIT ABSORBANT POUR L'ELIMINATION SELECTIVE DU SULFURE D'HYDROGENE DANS UN COURANT DE FLUIDE**
[72] VORBERG, GERALD, DE
[72] NOTZ, RALF, DE
[72] INGRAM, THOMAS, DE
[72] SIEDER, GEORG, DE
[72] KATZ, TORSTEN, DE
[71] BASF SE, DE
[85] 2017-02-23
[86] 2015-08-20 (PCT/EP2015/069109)
[87] (WO2016/030262)
[30] EP (14182112.4) 2014-08-25

[21] **2,959,703**
[13] A1

[51] **Int.Cl. A61L 27/30 (2006.01) A61N 1/18 (2006.01)**
[25] EN
[54] **IMPLANTABLE DEVICE WITH SELECTIVE CELL ADHESION AND METHOD OF PRODUCTION**
[54] **DISPOSITIF IMPLANTABLE A ADHERENCE CELLULAIRE SELECTIVE ET PROCEDE DE PRODUCTION**
[72] LENOBLE, DAMIEN, BE
[72] THOMANN, JEAN-SEBASTIEN, FR
[72] PALISSOT, VALERIE, FR
[71] LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY (LIST), LU
[71] LUXEMBOURG INSTITUTE OF HEALTH - LIH, LU
[85] 2017-03-01
[86] 2015-09-10 (PCT/EP2015/070754)
[87] (WO2016/038158)
[30] LU (LU92539) 2014-09-10

[21] **2,959,744**
[13] A1

[51] **Int.Cl. B29C 47/36 (2006.01) B29C 47/08 (2006.01) B29C 47/70 (2006.01) B29B 7/80 (2006.01) B29C 45/17 (2006.01) B29C 47/20 (2006.01)**
[25] EN
[54] **OVERTURNING DEVICE FOR OVERTURNING MOLTEN MATERIAL IN A MELT CHANNEL AND PURGING METHOD**
[54] **DISPOSITIF DE RETOURNEMENT POUR LE RETOURNEMENT D'UNE MATIERE FONDUE DANS UN CANAL POUR MATIERE FONDUE ET PROCEDE DE RINCAGE**
[72] BACKMANN, MARTIN, DE
[72] JACKERING, HERMANN-JOSEF, DE
[72] BUSSMANN, MARKUS, DE
[72] LIESBROCK, BERND, DE
[72] GOLUBSKI, KARSTEN, DE
[71] WINDMOLLER & HOLSCHER KG, DE
[85] 2017-03-02
[86] 2015-09-02 (PCT/EP2015/070001)
[87] (WO2016/034608)
[30] DE (10 2014 112 709.9) 2014-09-03

[21] **2,959,759**
[13] A1

[51] **Int.Cl. B29C 47/36 (2006.01) B29C 47/08 (2006.01) B29C 47/70 (2006.01) B29B 7/80 (2006.01) B29C 45/17 (2006.01) B29C 47/20 (2006.01)**
[25] EN
[54] **OVERTURNING DEVICE FOR OVERTURNING MOLTEN MATERIAL AND PURGING METHOD**
[54] **DISPOSITIF DE RETOURNEMENT POUR LE RETOURNEMENT D'UNE MATIERE FONDUE ET PROCEDE DE RINCAGE**
[72] BACKMANN, MARTIN, DE
[72] JACKERING, HERMANN-JOSEF, DE
[72] BUSSMANN, MARKUS, DE
[72] LIESBROCK, BERND, DE
[72] GOLUBSKI, KARSTEN, DE
[71] WINDMOLLER & HOLSCHER KG, DE
[85] 2017-03-02
[86] 2015-09-02 (PCT/EP2015/070073)
[87] (WO2016/034638)
[30] DE (10 2014 112 714.5) 2014-09-03

[21] **2,959,949**
[13] A1

[51] **Int.Cl. B03D 1/00 (2006.01)**
[25] EN
[54] **USE OF BRANCHED ALCOHOLS AND ALKOXYLATES THEREOF AS SECONDARY COLLECTORS**
[54] **UTILISATION D'ALCOOLS RAMIFIES ET D'ALCOXYLATES DE CEUX-CI EN TANT QUE COLLECTEURS SECONDAIRES**
[72] SMOLKO-SCHVARZMAYR, NATALIJA, SE
[72] KLINGBERG, ANDERS, SE
[72] HENRIKSSON, ELISABETH, SE
[72] NORDBERG, HENRIK, SE
[71] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL
[85] 2017-03-01
[86] 2015-09-15 (PCT/EP2015/071003)
[87] (WO2016/041916)
[30] EP (14185418.2) 2014-09-18

[21] **2,959,950**
[13] A1

[51] **Int.Cl. B01J 2/04 (2006.01) B01J 2/18 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PRILLING A LIQUID, PREFERABLY UREA MELT**
[54] **APPAREIL ET PROCEDE DE GRANULATION D'UN LIQUIDE, DE PREFERENCE DE L'UREE FONDUE**
[72] RIZZI, ENRICO, IT
[72] BEDETTI, GIANFRANCO, CH
[71] CASALE SA, CH
[85] 2017-03-01
[86] 2015-08-13 (PCT/EP2015/068628)
[87] (WO2016/050405)
[30] EP (14186852.1) 2014-09-29

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[21] **2,959,954**
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01) B01D 15/38 (2006.01)**
[25] EN
[54] **NUCLEIC ACID PURIFICATION CARTRIDGE**
[54] **CARTOUCHE DE PURIFICATION D'ACIDE NUCLEIQUE**
[72] BENITEZ PORRAS, FRANCESC, ES
[72] PAREJA GOMEZ, JOSEP, ES
[71] STAT-DIAGNOSTICA & INNOVATION, S.L., ES
[85] 2017-03-01
[86] 2015-09-02 (PCT/EP2015/070045)
[87] (WO2016/034620)
[30] EP (14183411.9) 2014-09-03

[21] **2,959,963**
[13] A1

[51] **Int.Cl. A62D 1/02 (2006.01)**
[25] EN
[54] **SILICON-CONTAINING ORGANIC ACID DERIVATIVES AS ENVIRONMENTALLY FRIENDLY AFF EXTINGUISHING AGENTS**
[54] **DERIVES D'ACIDE ORGANIQUE CONTENANT DU SILICIUM COMME AGENTS D'EXTINCTION AFF RESPECTUEUX DE L'ENVIRONNEMENT**
[72] BLUNK, DIRK, DE
[72] YE, SHUTE, DE
[72] HETZER, RALF HELMUT, DE
[72] SEBODE, HANNA, DE
[72] MEISENHEIMER, RICHARD DANIEL MATTHIAS, DE
[71] UNIVERSITAT ZU KOLN, DE
[85] 2017-03-02
[86] 2015-09-02 (PCT/EP2015/070046)
[87] (WO2016/034621)
[30] DE (102014112851.6) 2014-09-05

[21] **2,960,039**
[13] A1

[51] **Int.Cl. A61F 13/00 (2006.01) A61F 13/02 (2006.01) A61L 15/00 (2006.01)**
[25] EN
[54] **MEDICAL DRESSING**
[54] **PANSEMENT MEDICAL**
[72] FLACH, NICLAS, SE
[72] HAMBERG, KRISTINA, SE
[72] JOHANNISON, ULF, SE
[72] SODERSTROM, BENGT, SE
[71] MOLNLYCKE HEALTH CARE AB, SE
[85] 2017-03-02
[86] 2015-09-09 (PCT/EP2015/070650)
[87] (WO2016/038111)
[30] EP (14184436.5) 2014-09-11

[21] **2,960,055**
[13] A1

[51] **Int.Cl. D04B 1/10 (2006.01) D04B 1/06 (2006.01) D04B 1/26 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING TUBULAR ARTICLES PROVIDED WITH A GRIP REGION BY WAY OF CIRCULAR HOSIERY KNITTING MACHINES, AND TUBULAR ARTICLE OBTAINED WITH THE METHOD**
[54] **PROCEDE DE FABRICATION D'ARTICLES TUBULAIRES POURVUS D'UNE REGION DE PREHENSION AU MOYEN DE MACHINES DE TRICOTAGE-CHAUSSANT CIRCULAIRES, ET ARTICLE TUBULAIRE OBTENU PAR LE PROCEDE**
[72] PINELLI, ENZO, IT
[72] PINELLI, MICHELE, IT
[72] PINELLI, LUCA, IT
[71] CALZIFICIO PINELLI S.R.L., IT
[85] 2017-03-02
[86] 2015-09-09 (PCT/EP2015/070642)
[87] (WO2016/038105)
[30] IT (MI2014A001568) 2014-09-11
[30] IT (102015000033270) 2015-07-13

[21] **2,960,077**
[13] A1

[51] **Int.Cl. B29C 47/36 (2006.01) B29C 47/08 (2006.01) B29C 47/70 (2006.01) B29B 7/80 (2006.01) B29C 45/17 (2006.01) B29C 47/20 (2006.01)**
[25] EN
[54] **OVERTURNING DEVICE FOR OVERTURNING MOLTEN MATERIAL AND PURGING METHOD**
[54] **DISPOSITIF DE RETOURNEMENT POUR LE RETOURNEMENT D'UNE MATIERE FONDUE ET PROCEDE DE RINCAGE**
[72] BACKMANN, MARTIN, DE
[72] JACKERING, HERMANN-JOSEF, DE
[72] BUSSMANN, MARKUS, DE
[72] LIESBROCK, BERND, DE
[72] GOLUBSKI, KARSTEN, DE
[71] WINDMOLLER & HOLSCHER KG, DE
[85] 2017-03-03
[86] 2015-09-02 (PCT/EP2015/069997)
[87] (WO2016/034605)
[30] DE (10 2014 112 712.9) 2014-09-03

[21] **2,960,081**
[13] A1

[51] **Int.Cl. B01D 53/22 (2006.01) A62C 3/06 (2006.01) A62C 3/08 (2006.01) B01D 53/26 (2006.01) B64D 37/32 (2006.01) C01B 13/02 (2006.01) C01B 21/04 (2006.01)**
[25] EN
[54] **FLUID SEPARATION MODULE FOR USE IN AIRCRAFTS**
[54] **MODULE DE SEPARATION DE FLUIDE A UTILISER DANS DES AERONEFS**
[72] ASHTON, DOMINIC, US
[72] RUSALI, RUDY HARYANTO, US
[72] MASSEY, ALAN ERNEST, GB
[71] EATON LIMITED, GB
[85] 2017-03-03
[86] 2015-09-10 (PCT/EP2015/070705)
[87] (WO2016/038138)
[30] US (62/049,694) 2014-09-12

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[21] 2,960,315
 [13] A1

[51] **Int.Cl. E04C 2/16 (2006.01) B27N 1/00 (2006.01) B27N 3/04 (2006.01) F16S 1/00 (2006.01)**

[25] EN
 [54] **SHEET, BOARD OR PANEL**
 [54] **PLAQUE, PLANCHE OU PANNEAU**

[72] SCHROEDER, ERIC, BE
 [72] NIJSSE, JEROEN, NL
 [71] MAYFAIR VERMOGENSVERWALTUNGS SE, DE
 [85] 2017-03-06
 [86] 2015-08-27 (PCT/EP2015/069586)
 [87] (WO2016/055215)
 [30] DE (10 2014 220 459.3) 2014-10-09

[21] 2,960,333
 [13] A1

[51] **Int.Cl. A61F 2/90 (2013.01)**

[25] EN
 [54] **A FLOW REGULATING DEVICE IN THE HEART**
 [54] **DISPOSITIF DE REGULATION DU DEBIT DANS LE COEUR**

[72] VETTUKATTIL, JOSEPH JOHN, US
 [72] AKPINAR, MEHMET HAKAN, TR
 [71] OCCLUTECH HOLDING AG, CH
 [85] 2017-03-06
 [86] 2015-09-09 (PCT/EP2015/070659)
 [87] (WO2016/038115)
 [30] US (62/047,843) 2014-09-09
 [30] US (62/077,680) 2014-11-10

[21] 2,960,422
 [13] A1

[51] **Int.Cl. A61F 2/24 (2006.01)**

[25] EN
 [54] **ANNULOPLASTY IMPLANT**
 [54] **IMPLANT D'ANNULOPLASTIE**

[72] O'CARROLL, GER, IE
 [72] PUGH, MARK, IE
 [72] MORAN, ADRIAN, IE
 [72] ZERKOWSKI, HANS-REINHARD, CH
 [72] KERANEN, OLLI, SE
 [71] MEDTENTIA INTERNATIONAL LTD OY, FI
 [85] 2017-03-07
 [86] 2015-09-08 (PCT/EP2015/070464)
 [87] (WO2016/038017)
 [30] US (62/047,077) 2014-09-08

[21] 2,960,551
 [13] A1

[51] **Int.Cl. C02F 1/461 (2006.01)**

[25] EN
 [54] **ELECTROLYSIS SYSTEM**
 [54] **DISPOSITIF D'ELECTROLYSE**

[72] GARDNER, STEPHEN PHILIP, GB
 [71] OZO INNOVATIONS LTD, GB
 [85] 2017-03-08
 [86] 2015-12-04 (PCT/GB2015/053716)
 [87] (WO2016/092271)
 [30] GB (1421871.3) 2014-12-09

[21] 2,960,556
 [13] A1

[51] **Int.Cl. B01J 8/06 (2006.01) B01J 8/00 (2006.01) B01J 8/02 (2006.01) B01J 8/04 (2006.01)**

[25] EN
 [54] **ANNULAR CATALYST CARRIER CONTAINER FOR USE IN A TUBULAR REACTOR**
 [54] **RECIPIENT DE SUPPORT DE CATALYSEUR ANNULAIRE POUR UTILISATION DANS UN REACTEUR TUBULAIRE**

[72] GRAY, JULIAN, GB
 [71] JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED, GB
 [85] 2017-03-08
 [86] 2015-09-16 (PCT/EP2015/071269)
 [87] (WO2016/050520)
 [30] GB (1417462.7) 2014-10-02

[21] 2,960,558
 [13] A1

[51] **Int.Cl. B05C 9/14 (2006.01) B65H 29/66 (2006.01)**

[25] EN
 [54] **DEVICE FOR COOLING ADHESIVE APPLIED TO A SURFACE OF SACK BODIES**
 [54] **DISPOSITIF DE REFROIDISSEMENT D'ADHESIF APPLIQUE SUR UNE SURFACE DE CORPS DE SACS**

[72] NEUMULLER, NORBERT, AT
 [71] STARLINGER & CO GESELLSCHAFT M.B.H., AT
 [85] 2017-03-08
 [86] 2015-09-24 (PCT/EP2015/071989)
 [87] (WO2016/050602)
 [30] EP (14187508.8) 2014-10-02

[21] 2,960,562
 [13] A1

[51] **Int.Cl. B65D 75/36 (2006.01) B65D 75/52 (2006.01) B65D 75/56 (2006.01)**

[25] EN
 [54] **DISPLAY PACK**
 [54] **EMBALLAGE-PRESENTOIR**

[72] SABHERWAL, AMIT, IN
 [72] SHUKLA, ASHUTOSH, IN
 [71] GLAXOSMITHKLINE CONSUMER HEALTHCARE LTD, IN
 [85] 2017-03-08
 [86] 2015-10-13 (PCT/EP2015/073645)
 [87] (WO2016/059035)
 [30] IN (1054/KOL/2014) 2014-10-16

[21] 2,960,564
 [13] A1

[51] **Int.Cl. A01N 59/00 (2006.01) A01P 1/00 (2006.01) A23L 3/358 (2006.01) A61L 2/18 (2006.01) C02F 1/46 (2006.01) C02F 1/461 (2006.01) C25B 1/13 (2006.01) C02F 1/467 (2006.01)**

[25] EN
 [54] **ELECTROLYZED WATER COMPOSITION**
 [54] **COMPOSITION D'EAU ELECTROLYSEE**

[72] GARDNER, STEPHEN PHILIP, GB
 [71] OZO INNOVATIONS LTD, GB
 [85] 2017-03-08
 [86] 2015-12-04 (PCT/GB2015/053717)
 [87] (WO2016/092272)
 [30] GB (1421867.1) 2014-12-09
 [30] GB (1518472.4) 2015-10-19
 [30] GB (1518474.0) 2015-10-19

[21] 2,960,637
 [13] A1

[51] **Int.Cl. B29C 70/86 (2006.01) B29C 65/00 (2006.01) F16C 3/02 (2006.01) F16C 7/02 (2006.01)**

[25] EN
 [54] **TRANSMISSION SHAFT AND METHOD FOR PRODUCING SAME**
 [54] **ARBRE DE TRANSMISSION ET SON PROCEDURE DE FABRICATION**

[72] BOVEROUX, BENOIT, BE
 [71] BD INVENT S.A., BE
 [85] 2017-03-08
 [86] 2015-09-09 (PCT/EP2015/070569)
 [87] (WO2016/038072)
 [30] BE (2014/0676) 2014-09-09

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[21] **2,960,697**
[13] A1

[51] **Int.Cl. B01D 61/00 (2006.01) C02F 1/28 (2006.01) C02F 5/06 (2006.01) C02F 1/44 (2006.01) C02F 1/52 (2006.01) C02F 1/66 (2006.01) C02F 5/14 (2006.01) C02F 11/12 (2006.01)**

[25] EN

[54] **METHOD FOR TREATING AN EFFLUENT SUPERSATURATED WITH CALCIUM CARBONATE IN THE PRESENCE OF PHOSPHONATE PRECIPITATION-INHIBITING PRODUCTS**

[54] **PROCEDE DE TRAITEMENT D'UN EFFLUENT SURSATURE EN CARBONATE DE CALCIUM EN PRESENCE DE PRODUITS INHIBITEURS DE PRECIPITATION PHOSPHONATES**

[72] GRANGE, DIDIER, FR

[72] COSTE, M., FR

[72] BARBIER, E., FR

[71] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT, FR

[85] 2017-03-08

[86] 2015-09-14 (PCT/EP2015/070917)

[87] (WO2016/041887)

[30] FR (1458779) 2014-09-17

[21] **2,960,766**
[13] A1

[51] **Int.Cl. B29C 47/36 (2006.01) B29C 47/08 (2006.01) B29C 47/70 (2006.01) B29B 7/80 (2006.01) B29C 45/17 (2006.01) B29C 47/20 (2006.01)**

[25] EN

[54] **OVERTURNING DEVICE FOR OVERTURNING A MOLTEN MATERIAL AND PURGING METHOD**

[54] **DISPOSITIF DE RETOURNEMENT POUR LE RETOURNEMENT D'UNE MATIERE FONDUE ET PROCEDE DE RINCAGE**

[72] BACKMANN, MARTIN, DE

[72] JACKERING, HERMANN-JOSEF, DE

[72] BUSSMANN, MARKUS, DE

[72] LIESBROCK, BERND, DE

[72] GOLUBSKI, KARSTEN, DE

[71] WINDMOLLER & HOLSCHER KG, DE

[85] 2017-03-02

[86] 2015-09-02 (PCT/EP2015/069995)

[87] (WO2016/034603)

[30] DE (10 2014 112 715.3) 2014-09-03

[21] **2,960,919**
[13] A1

[51] **Int.Cl. B01D 53/86 (2006.01) B01D 46/24 (2006.01) B01D 53/50 (2006.01) C01B 17/50 (2006.01) C01B 17/74 (2006.01) C01B 17/90 (2006.01)**

[25] EN

[54] **A PROCESS FOR THE OXIDATION OF HYDROGEN SULFIDE TO SULFUR TRIOXIDE WITH SUBSEQUENT SULFUR TRIOXIDE REMOVAL AND A PLANT FOR CARRYING OUT THE PROCESS**

[54] **PROCESSUS POUR L'OXYDATION DE SULFURE D'HYDROGENE EN DIOXYDE DE SOUFRE SUIVIE DE L'ELIMINATION DU TRIOXYDE DE SOUFRE ET INSTALLATION POUR REALISER LE PROCESSUS**

[72] SAADI, SOUHEIL, DK

[72] JAKOBSSON, NIKLAS BENGT, SE

[71] HALDOR TOPSOE A/S, DK

[85] 2017-03-10

[86] 2015-09-09 (PCT/EP2015/070565)

[87] (WO2016/041822)

[30] DK (PA 2014 00525) 2014-09-16

[21] **2,961,109**
[13] A1

[51] **Int.Cl. B29C 44/46 (2006.01) B05B 1/20 (2006.01)**

[25] EN

[54] **METHOD OF DESIGNING AND MANUFACTURING A DISTRIBUTOR BAR FOR APPLYING A VISCOUS FOAMABLE LIQUID MIXTURE ONTO A LAMINATOR**

[54] **PROCEDE DE CONCEPTION ET DE FABRICATION D'UNE RAMPE DISTRIBUTRICE POUR APPLIQUER UN MELANGE LIQUIDE EXPANSIBLE VISQUEUX A UN DISPOSITIF DE STRATIFICATION**

[72] BRENNAN, MARK JOSEPH, BE

[71] HUNTSMAN INTERNATIONAL LLC, US

[85] 2017-03-13

[86] 2015-08-24 (PCT/EP2015/069360)

[87] (WO2016/037842)

[30] EP (14184340.9) 2014-09-11

[21] **2,961,112**
[13] A1

[51] **Int.Cl. F17C 13/00 (2006.01) F17C 13/02 (2006.01)**

[25] EN

[54] **VALVE INTEGRATED PRESSURE REGULATOR SYSTEM FOR PRESSURE VESSELS**

[54] **SYSTEME DE REGULATEUR DE PRESSION A VANNE INTEGREE POUR RECIPIENT SOUS PRESSION**

[72] HILTON, DERRICK EARNS, GB

[71] LINDE AKTIENGESELLSCHAFT, DE

[85] 2017-03-13

[86] 2015-09-11 (PCT/EP2015/070882)

[87] (WO2016/041878)

[30] US (62/050,831) 2014-09-16

[21] **2,961,128**
[13] A1

[51] **Int.Cl. D06M 15/227 (2006.01) D06N 3/04 (2006.01) H01Q 1/42 (2006.01)**

[25] EN

[54] **SPACE FRAME RADOME COMPRISING A POLYMERIC SHEET**

[54] **RADOME A STRUCTURE EN TREILLIS COMPRENANT UNE FEUILLE POLYMERE**

[72] PETRA, DANIELLE GEERTRUDA IRENE, NL

[72] ROOVERS, WILLIAM ADRIANUS CORNELIS, NL

[72] KOLAK, LEWIS, NL

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

[85] 2017-03-13

[86] 2015-09-15 (PCT/EP2015/071087)

[87] (WO2016/041954)

[30] US (62/051,084) 2014-09-16

[30] EP (15154424.4) 2015-02-10

[21] **2,961,257**
[13] A1

[51] **Int.Cl. B65D 43/14 (2006.01)**

[25] EN

[54] **LID OF A CONTAINER**

[54] **COUVERCLE D'UN CONTENANT**

[72] BISCHOFF, SEBASTIAN, DE

[72] SIEDE, DANIEL, DE

[71] MAUSER-WERKE GMBH, DE

[85] 2017-03-14

[86] 2015-09-15 (PCT/EP2015/001842)

[87] (WO2016/041633)

[30] DE (10 2014 013 328.1) 2014-09-15

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[21] **2,961,295**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/337 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **THERAPY FOR UROTHELIAL CARCINOMA**
[54] **THERAPIE POUR LE TRAITEMENT DU CARCINOME UROTHELIAL**
[72] RUTSTEIN, MARK D., US
[72] SCHWARTZ, JONATHAN D., US
[72] TANG, SHANDE, US
[72] WALGREN, RICHARD A., US
[71] IMCLONE LLC, US
[85] 2017-03-13
[86] 2015-10-15 (PCT/US2015/055716)
[87] (WO2016/064649)
[30] US (62/068,399) 2014-10-24

[21] **2,961,326**
[13] A1
[51] **Int.Cl. B65D 33/01 (2006.01)**
[25] EN
[54] **FLEXIBLE PACKAGING CONTAINER**
[54] **CONTENANT D'EMBALLAGE FLEXIBLE**
[72] ZUM-DOHME, ROLF, DE
[72] REINKER, CHRISTOPH, DE
[71] BISCHOF + KLEIN SE & CO. KG, DE
[85] 2017-03-14
[86] 2015-09-14 (PCT/EP2015/001834)
[87] (WO2016/041629)
[30] DE (20 2014 007 340.6) 2014-09-15

[21] **2,961,334**
[13] A1
[51] **Int.Cl. B65D 43/14 (2006.01) B65F 1/14 (2006.01)**
[25] EN
[54] **CONTAINER WITH COVER**
[54] **CONTENANT MUNI D'UN COUVERCLE**
[72] BISCHOFF, SEBASTIAN, DE
[72] SIEDE, DANIEL, DE
[71] MAUSER-WERKE GMBH, DE
[85] 2017-03-14
[86] 2015-09-15 (PCT/EP2015/001841)
[87] (WO2016/041632)
[30] DE (10 2014 013 330.3) 2014-09-15

[21] **2,961,518**
[13] A1
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[54] **UNITE DE BUSE POUR LA RETICULATION DE TISSU OCULAIRE**
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[71] WAVELIGHT GMBH, DE
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[54] **PROCEDE DE REACTION AVEC SEPARATION PAR MEMBRANE**
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[72] BUEKENHOUDT, ANITA, BE
[71] VITO NV, BE
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[54] **METHOD FOR PREPARING A CATALYZED FABRIC FILTER AND A CATALYZED FABRIC FILTER**
[54] **PROCEDE DE PREPARATION D'UN FILTRE EN TISSU CATALYSE ET FILTRE EN TISSU CATALYSE**
[72] CASTELLINO, FRANCESCO, DK
[72] KOLLIN, THOMAS HOLTEN, DK
[71] HALDOR TOPSOE A/S, DK
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[54] **PROCEDE DE TRAITEMENT DE LIQUEUR NOIRE**
[72] ZEEUW, AREND-JAN, NL
[72] WEARING, JAMES THEODORE, CA
[72] BOYD, DAVID ANTHONY, CA
[72] BRERETON, CLIVE, CA
[72] BLACKWELL, BRIAN ROBIN, CA
[71] HUNTSMAN INTERNATIONAL LLC, US
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[54] METHOD FOR IMPROVED REACTIVE MONOMER PRODUCTION WITH MEMBRANE FILTRATION	[54] DISTRIBUTED POWER RECEIVING ELEMENTS FOR WIRELESS POWER TRANSFER	[54] HEATED GLASS PANEL FOR ELECTROMAGNETIC SHIELDING
[54] PROCEDE DE PRODUCTION DE MONOMERE REACTIF AMELIORE AVEC FILTRATION SUR MEMBRANE	[54] ELEMENTS DE RECEPTION D'ENERGIE DISTRIBUEE POUR TRANSFERT D'ENERGIE SANS FIL	[54] VITRAGE CHAUFFANT ET DE BLINDAGE ELECTROMAGNETIQUE
[72] BOAM, ANDREW, GB	[72] JEONG, SEONG HEON, US	[72] TONDU, THOMAS, FR
[72] BOUWHUIS, YURI, US	[71] QUALCOMM INCORPORATED, US	[72] MAYEUX, JEAN-BENOIT, FR
[72] JAMES, PHILLIP R., GB	[85] 2017-03-21	[71] SAINT-GOBAIN GLASS FRANCE, FR
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[54] METHODS AND SYSTEMS FOR CONTACTLESS BATTERY DISCHARGING	[54] A HEAT RECOVERY UNIT AND POWER PLANT	[54] DISTRIBUTED TRAFFIC MANAGEMENT SYSTEM AND TECHNIQUES
[54] PROCEDES ET SYSTEMES DE DECHARGE DE BATTERIE SANS CONTACT	[54] UNITE DE RECUPERATION DE CHALEUR ET CENTRALE ELECTRIQUE	[54] SYSTEME ET TECHNIQUES DE GESTION DE TRAFIC DISTRIBUE
[72] BRUMLEY, EDWARD W., US	[72] STEVENSON, ERIC ROBERT, NL	[72] CHAN, JASON, US
[72] GEREN, MICHAEL D., US	[72] BERGMANS, STEPHAN CORNELIS GERARDUS, NL	[72] UDUPI, POORNAPRAJNA, US
[72] HERRMANN, JOHN E., US	[71] STORK THERMEQ B.V., NL	[72] MADAPPA, SHASHI, US
[71] MOTOROLA SOLUTIONS, INC., US	[85] 2017-03-22	[71] NETFLIX, INC., US
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[54] **PROCEDE DE REVETEMENT HOMOGENE RAPIDE**
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[72] MALENTAQUE, CELIO, BR
[71] UMICORE AG & CO. KG, DE
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[72] RANS, MONTE J., US
[72] SCOTT, PAUL M., US
[71] AGCO CORPORATION, US
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[54] **PROCEDE DE TRANSMISSION DE SIGNAL D2D, ET APPAREIL CORRESPONDANT**
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[72] SEO, HANBYUL, KR
[72] CHAE, HYUKJIN, KR
[71] LG ELECTRONICS INC., KR
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[54] **REDUCTION DE RAPPORT PUISSANCE DE CRETE/PUISSANCE MOYENNE POUR UNE MODULATION QAM AVEC DES SIGNAUX RADIO HD**
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[72] CHALMERS, HARVEY, US
[71] IBIQUITY DIGITAL CORPORATION, US
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[72] GILCHRIST, GARY, US
[72] LUI, JUNJUN, US
[72] CHERUVATTA, REJISH PUTHIYEDATH, US
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[54] **COMPOSITES REVETUS D'AL2O3-CEO2/ZRO2 ET PROCEDE POUR LEUR PRODUCTION**
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[72] GUILLEN-HURTADO, NOELIA, ES
[72] HARNENING, THOMAS, DE
[72] NIEMEYER, DIRK, DE
[72] HOWE, DIANE, DE
[71] SASOL GERMANY GMBH, DE
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[54] **SYSTEME D'ECOULEMENT D'AIR DIVISE POUR UN SYSTEME POUR FUMER A CHAUFFAGE ELECTRIQUE ET PROCEDE DE GUIDAGE D'UN ECOULEMENT D'AIR A L'INTERIEUR D'UN SYSTEME POUR FUMER A CHAUFFAGE ELECTRIQUE**
[72] FORCE, ERIC, CH
[72] MIRONOV, OLEG, CH
[72] ZINOVIK, IHAR NIKOLAEVICH, CH
[72] FERNANDO, KEETHAN DASNAVIS, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
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[54] **ENSEMBLE FACADE, STRUCTURE DE BATIMENT ET PROCEDE DE MONTAGE DE L'ENSEMBLE FACADE**
[72] SCHULZ-HANKE, WOLFGANG, DE
[72] SIMON, SEBASTIAN, DE
[72] MUNZENBERGER, HERBERT, DE
[71] HILTI AKTIENGESELLSCHAFT, LI
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[54] **STRUCTURE DE TROUS METALLISES PERMETTANT UNE OPTIMISATION DE POROSITE DE SIGNAL**
[72] MENG, XIONGFEI, US
[72] CHUNG, JOON HYUNG, US
[72] PAN, YUANCHENG CHRISTOPHER, US
[71] QUALCOMM INCORPORATED, US
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[54] **PROCEDE DE DECODAGE ET DECODEUR POUR L'AMELIORATION DE DIALOGUE**
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[72] EKSTRAND, PER, SE
[71] DOLBY INTERNATIONAL AB, NL
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[54] **SYSTEMES ET PROCEDES D'ANALYSE DES MENACES POUR DES DONNEES INFORMATIQUES**
[72] THRASH, RALPH W., US
[72] GAUGER, DONALD, US
[72] GLOSSNER, WILLIAM, US
[72] PETERS, SCOTT P., US
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[54] **MODULE D'ANALYSE D'INTERACTIONS D'UTILISATEURS**
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[72] DAVIS, COLLIN CHARLES, US
[72] HEINZ, GERARD JOSEPH, II, US
[72] PESCE, MICHAEL SCHLEIF, US
[71] AMAZON TECHNOLOGIES, INC., US
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[72] BELLOCCHIO, MARC, FR
[71] NAGRAVISION S.A., CH
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[25] EN
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[54] **STRUCTURE DE TRAME UNIFIEE**
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[72] ANG, PETER PUI LOK, US
[72] SORIAGA, JOSEPH BINAMIRA, US
[72] MUKKAVILLI, KRISHNA KIRAN, US
[72] JI, TINGFANG, US
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[71] QUALCOMM INCORPORATED, US
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[87] (WO2016/069378)
[30] US (62/073,877) 2014-10-31
[30] US (14/720,579) 2015-05-22

[21] **2,962,864**
[13] A1

[51] **Int.Cl. H04N 19/40 (2014.01)**
[25] FR
[54] **METHOD OF TRANSCODING VIDEO DATA WITH FUSION OF CODING UNITS, COMPUTER PROGRAM, TRANSCODING MODULE AND TELECOMMUNICATIONS EQUIPMENT ASSOCIATED THEREWITH**
[54] **PROCEDE DE TRANSCODAGE DE DONNEES VIDEO A FUSION D'UNITES DE CODAGE, PROGRAMME INFORMATIQUE, MODULE DE TRANSCODAGE ET EQUIPEMENT DE TELECOMMUNICATIONS ASSOCIES**
[72] MORA, ELIE GABRIEL, FR
[72] CAGNAZZO, MARCO, FR
[72] DUFAUX, FREDERIC, FR
[71] INSTITUT MINES TELECOM, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS-, FR
[85] 2017-03-28
[86] 2015-09-30 (PCT/FR2015/052610)
[87] (WO2016/051083)
[30] FR (14 59324) 2014-09-30

[21] **2,962,878**
[13] A1

[51] **Int.Cl. B41F 19/00 (2006.01) B41F 13/00 (2006.01) B41F 23/04 (2006.01)**
[25] EN
[54] **PRINTING PRESS COMPRISING A MAGNETIC ORIENTATION UNIT AND A MOVABLE DRYING/CURING UNIT**
[54] **PRESSE D'IMPRESSION COMPRENANT UNE UNITE D'ORIENTATION MAGNETIQUE ET UNE UNITE MOBILE DE SECHAGE/DURCISSEMENT**
[72] BOOTH, BRADLEY, AU
[71] KBA-NOTASYS SA, CH
[85] 2017-03-28
[86] 2015-10-29 (PCT/IB2015/058362)
[87] (WO2016/067247)
[30] EP (14191103.2) 2014-10-30

[21] **2,962,904**
[13] A1

[51] **Int.Cl. B01L 3/02 (2006.01)**
[25] EN
[54] **SAMPLING PIPETTE HAVING AN ERGONOMIC CONTROL BUTTON**
[54] **PIPETTE DE PRELEVEMENT A BOUTON DE COMMANDE ERGONOMIQUE**
[72] RAMSAMY, SANJAY, FR
[71] GILSON SAS, FR
[85] 2017-03-28
[86] 2015-10-01 (PCT/EP2015/072654)
[87] (WO2016/050896)
[30] FR (1459492) 2014-10-03

[21] **2,962,923**
[13] A1

[51] **Int.Cl. H04W 4/06 (2009.01)**
[25] EN
[54] **CONTENT DELIVERY METADATA EXCHANGE IN WIRELESS COMMUNICATION SYSTEMS**
[54] **ECHANGE DE METADONNEES DE DISTRIBUTION DE CONTENU DANS DES SYSTEMES DE COMMUNICATIONS SANS FIL**
[72] BERTZ, LYLE T., US
[71] SPRINT COMMUNICATIONS COMPANY L.P., US
[85] 2017-03-28
[86] 2015-09-14 (PCT/US2015/049905)
[87] (WO2016/053603)
[30] US (14/499,851) 2014-09-29

[21] **2,962,948**
[13] A1

[51] **Int.Cl. G01T 1/17 (2006.01)**
[25] EN
[54] **RADIATION SURVEYING**
[54] **CONTROLE DE RAYONNEMENT**
[72] DICHARRY, RICHARD DONALD, US
[71] SOURCE PRODUCTION & EQUIPMENT CO., INC., US
[85] 2017-03-28
[86] 2015-10-01 (PCT/US2015/053524)
[87] (WO2016/054396)
[30] US (62/058,804) 2014-10-02

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[21] **2,962,952**
[13] A1

[51] **Int.Cl. G05B 19/418 (2006.01)**
[25] EN
[54] **DEVICE HIERARCHY BUILDING FOR A REMOTE TERMINAL UNIT**
[54] **CONSTRUCTION DE HIERARCHIE DE DISPOSITIF POUR STATION TERMINALE A DISTANCE**
[72] TIWARI, NEERAJ D., IN
[72] VANDERAH, RICHARD J., US
[71] BRISTOL, INC., D/B/A REMOTE AUTOMATION SOLUTIONS, US
[85] 2017-03-28
[86] 2015-10-02 (PCT/US2015/053779)
[87] (WO2016/054541)
[30] IN (3149/MUM/2014) 2014-10-04

[21] **2,962,978**
[13] A1

[51] **Int.Cl. G01J 5/02 (2006.01)**
[25] EN
[54] **MULTI-LAYER ADVANCED CARBON NANOTUBE BLACKBODY FOR COMPACT, LIGHTWEIGHT, AND ON-DEMAND INFRARED CALIBRATION**
[54] **CORPS NOIR DE NANOTUBE DE CARBONE AVANCE MULTICOUCHE POUR ETALONNAGE INFRAROUGE COMPACT, LEGER ET A LA DEMANDE**
[72] CHOW, JAMES R., US
[72] KETOLA, KURT S., US
[72] LAKOMSKI, DAVID M., US
[72] TOWNSEND, CARL W., US
[72] ELIAS, WILLIAM E., US
[72] MARBLE, STUART J., US
[71] RAYTHEON COMPANY, US
[85] 2017-03-28
[86] 2015-11-13 (PCT/US2015/060526)
[87] (WO2016/081293)
[30] US (14/548,135) 2014-11-19

[21] **2,963,017**
[13] A1

[51] **Int.Cl. B05B 7/04 (2006.01) B01F 3/04 (2006.01)**
[25] EN
[54] **PNEUMATIC ATOMIZING NOZZLE**
[54] **BUSE BIMATIERE**
[72] MARKUS, STEFAN, DE
[71] SPRAYING SYSTEMS MANUFACTURING EUROPE GMBH, DE
[85] 2017-03-29
[86] 2014-10-09 (PCT/EP2014/071692)
[87] (WO2016/055116)

[21] **2,963,020**
[13] A1

[51] **Int.Cl. A61F 9/008 (2006.01) A61B 3/113 (2006.01)**
[25] EN
[54] **AN APPARATUS FOR LASER PROCESSING AN EYE**
[54] **APPAREIL POUR TRAITEMENT LASER D'UN ŒIL**
[72] LEMONIS, SISSIMOS, DE
[72] RIEDEL, PETER, DE
[72] ABRAHAM, MARIO, DE
[71] NOVARTIS AG, CH
[85] 2017-03-29
[86] 2014-11-20 (PCT/EP2014/075076)
[87] (WO2016/078707)

[21] **2,963,029**
[13] A1

[51] **Int.Cl. B07B 9/00 (2006.01) B03B 9/06 (2006.01) B07B 15/00 (2006.01) B09B 3/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR FORMING CLEANED BIOWASTE FROM CRUDE BIOWASTE**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE FORMER DES DECHETS BIOLOGIQUES NETTOYES PROVENANT DE DECHETS BIOLOGIQUES BRUTS**
[72] CARVAJO LUCENA, IGNACIO, ES
[72] VICENTE GARCIA, ANA ISABEL, ES
[72] MONTEJO MENDEZ, CRISTINA, ES
[72] MARTI MOSCAD, SANTIAGO, ES
[71] ABENGOA BIOENERGIA NUEVAS TECNOLOGIAS, S.A., ES
[85] 2017-03-29
[86] 2015-09-30 (PCT/EP2015/072593)
[87] (WO2016/050860)
[30] ES (P201431440) 2014-09-30

[21] **2,963,063**
[13] A1

[51] **Int.Cl. H04H 40/18 (2009.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR TRANSRECEIVING BROADCAST SIGNALS**
[54] **APPAREIL ET PROCEDE POUR EMETTRE-RECEVOIR DES SIGNAUX DE DIFFUSION**
[72] KIM, JAEHYUNG, KR
[72] KO, WOOSUK, KR
[72] MUN, CHULKYU, KR
[72] HONG, SUNGRYONG, KR
[71] LG ELECTRONICS INC., KR
[85] 2017-03-29
[86] 2015-11-04 (PCT/KR2015/011787)
[87] (WO2016/125990)
[30] US (62/111,673) 2015-02-04
[30] US (62/115,630) 2015-02-12
[30] US (62/173,909) 2015-06-10

[21] **2,963,068**
[13] A1

[51] **Int.Cl. H04W 52/14 (2009.01) H04W 52/34 (2009.01) H04W 52/38 (2009.01) H04W 56/00 (2009.01) H04W 88/06 (2009.01)**
[25] EN
[54] **DERIVING PCMAX IN DUAL CONNECTIVITY**
[54] **DERIVATION DE PCMAX DANS UNE CONNECTIVITE DUALE**
[72] RAHMAN, IMADUR, SE
[72] KAZMI, MUHAMMAD, SE
[72] BERGLJUNG, CHRISTIAN, SE
[71] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL), SE
[85] 2017-03-29
[86] 2015-09-28 (PCT/SE2015/051014)
[87] (WO2016/053163)
[30] US (62/056,909) 2014-09-29

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[21] **2,963,087**
[13] A1
[51] **Int.Cl. G09F 19/00 (2006.01) H04W 4/00 (2009.01) G06Q 30/02 (2012.01) G09F 9/30 (2006.01)**
[25] EN
[54] **DISTRIBUTED ADVERTISING SYSTEM AND METHOD OF USE**
[54] **SYSTEME DE PUBLICITE DISTRIBUEE ET PROCEDE D'UTILISATION**
[72] MAYFIELD, WALTER G., US
[72] WINLEY, RICHARD A., III, US
[71] GUI GLOBAL PRODUCTS, LTD., US
[85] 2017-03-29
[86] 2015-10-01 (PCT/US2015/053567)
[87] (WO2016/054419)
[30] US (62/058,493) 2014-10-01
[30] US (62/063,079) 2014-10-13
[30] US (62/104,299) 2015-01-16
[30] US (62/104,424) 2015-01-16
[30] US (62/133,070) 2015-03-13
[30] US (62/133,078) 2015-03-13
[30] US (62/137,001) 2015-03-23
[30] US (62/137,010) 2015-03-23
[30] US (62/159,049) 2015-05-08
[30] US (62/159,018) 2015-05-08

[21] **2,963,092**
[13] A1
[51] **Int.Cl. G01V 9/00 (2006.01) G01V 1/30 (2006.01) G06F 17/50 (2006.01)**
[25] EN
[54] **METHODS TO HANDLE DISCONTINUITY IN CONSTRUCTING DESIGN SPACE FOR FAULTED SUBSURFACE MODEL USING MOVING LEAST SQUARES**
[54] **PROCEDES DE GESTION DE DISCONTINUITÉ DANS LA CONSTRUCTION D'ESPACE DE CONCEPTION DE MODELE DE SUBSURFACE FAILLEE A L'AIDE DE MOINDRES CARRES MOBILES**
[72] BI, LINFENG, US
[72] WU, XIAOHUI, US
[72] BRANETS, LARISA V., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2017-03-29
[86] 2015-09-29 (PCT/US2015/052790)
[87] (WO2016/069170)
[30] US (62/073,465) 2014-10-31

[21] **2,963,096**
[13] A1
[51] **Int.Cl. G01J 1/00 (2006.01) G01J 1/04 (2006.01)**
[25] EN
[54] **COMBI-SENSOR SYSTEMS**
[54] **SYSTEMES A COMBINAISON DE CAPTEURS**
[72] KLAUWUHN, ERICH R., US
[72] SILKWOOD, DOUGLAS S., US
[72] ZEDLITZ, JASON, US
[72] BROWN, STEPHEN C., US
[72] SHRIVASTAVA, DHAIRYA, US
[71] VIEW, INC., US
[85] 2017-03-29
[86] 2015-09-29 (PCT/US2015/052822)
[87] (WO2016/053960)
[30] US (62/057,104) 2014-09-29

[21] **2,963,151**
[13] A1
[51] **Int.Cl. H04B 5/00 (2006.01) G06K 7/10 (2006.01)**
[25] EN
[54] **ENABLING USE OF STAY QUIET REQUESTS IN A NEAR FIELD COMMUNICATION DEVICE**
[54] **ACTIVATION D'UTILISATION DE DEMANDES DE MAINTIEN DU SILENCE DANS UN DISPOSITIF DE COMMUNICATION EN CHAMP PROCHE**
[72] HILLAN, JOHN, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-03-29
[86] 2015-11-17 (PCT/US2015/061141)
[87] (WO2016/081492)
[30] US (62/081,391) 2014-11-18
[30] US (14/942,597) 2015-11-16

[21] **2,963,153**
[13] A1
[51] **Int.Cl. H02J 50/10 (2016.01) B60L 11/18 (2006.01) B60S 5/00 (2006.01) H01F 38/14 (2006.01) H02J 7/02 (2016.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND APPARATUS FOR INTEGRATED TUNING CAPACITORS IN CHARGING COIL STRUCTURE**
[54] **SYSTEMES, PROCEDES ET APPAREILS POUR CONDENSATEURS D'ACCORD INTEGRES DANS UNE STRUCTURE DE BOBINE DE CHARGE**
[72] KEELING, NICHOLAS ATHOL, US
[72] KISSIN, MICHAEL LE GALLAIS, US
[72] BUDHIA, MICKEL BIPIN, US
[72] HUANG, CHANG-YU, US
[72] BEAVER, JONATHAN, US
[72] HAO, HAO, US
[72] CAMASCA RAMIREZ, CLAUDIO ARMANDO, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-03-29
[86] 2015-10-30 (PCT/US2015/058176)
[87] (WO2016/073290)
[30] US (62/075,300) 2014-11-05
[30] US (14/802,012) 2015-07-17

[21] **2,963,155**
[13] A1
[51] **Int.Cl. H04W 74/04 (2009.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SYNCHRONIZATION WITHIN A NEIGHBORHOOD AWARE NETWORK**
[54] **SYSTEMES ET PROCEDES POUR UNE SYNCHRONISATION DANS UN RESEAU SENSIBLE AU VOISINAGE**
[72] ABRAHAM, SANTOSH PAUL, US
[72] RAISSINIA, ALIREZA, US
[72] CHERIAN, GEORGE, US
[72] PATIL, ABHISHEK PRAMOD, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-03-29
[86] 2015-11-04 (PCT/US2015/059019)
[87] (WO2016/073593)
[30] US (62/076,033) 2014-11-06
[30] US (14/931,752) 2015-11-03

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<p style="text-align: center;">[21] 2,963,162 [13] A1</p> <p>[51] Int.Cl. G01F 1/696 (2006.01) [25] FR [54] DEVICE FOR DETECTING AIR FLOWS [54] DISPOSITIF DE DETECTION DE FLUX D'AIR [72] CLERIVET, PIERRE, FR [71] SIEMENS SCHWEIZ AG, CH [85] 2017-03-30 [86] 2015-09-03 (PCT/EP2015/070113) [87] (WO2016/050443) [30] EP (14290296.4) 2014-10-01</p>	<p style="text-align: center;">[21] 2,963,169 [13] A1</p> <p>[51] Int.Cl. B29C 41/22 (2006.01) B29C 37/00 (2006.01) B32B 33/00 (2006.01) [25] EN [54] METHOD FOR PRODUCING AN ELASTOMERIC SKIN HAVING A GRAINED SURFACE [54] PROCEDE DE PRODUCTION D'UNE PEAU ELASTOMERE PRESENTANT UNE SURFACE GRENUE [72] VANLUCHENE, YVAN, BE [72] DE CLERCQ, YVAN, BE [72] DE DONCKER, LINDA, BE [71] RECTICEL AUTOMOBILSYSTEME GMBH, DE [85] 2017-03-30 [86] 2015-10-12 (PCT/EP2015/073549) [87] (WO2016/058983) [30] EP (14188691.1) 2014-10-13</p>	<p style="text-align: center;">[21] 2,963,232 [13] A1</p> <p>[51] Int.Cl. H04L 12/26 (2006.01) H04L 12/24 (2006.01) [25] EN [54] SYSTEMS AND METHODS FOR NETWORK ANALYSIS AND REPORTING [54] SYSTEMES ET PROCEDES D'ANALYSE DE RESEAU ET D'ETABLISSEMENT DE RAPPORT [72] RIEKE, MALCOLM, US [71] CATBIRD NETWORKS, INC., US [85] 2017-03-30 [86] 2015-08-12 (PCT/US2015/044865) [87] (WO2016/036485) [30] US (62/046,807) 2014-09-05 [30] US (62/060,433) 2014-10-06 [30] US (14/523,624) 2014-10-24</p>
<p style="text-align: center;">[21] 2,963,163 [13] A1</p> <p>[51] Int.Cl. H04N 13/04 (2006.01) G02B 27/22 (2006.01) G02F 1/29 (2006.01) [25] EN [54] AUTOSTEREOSCOPIC DISPLAY DEVICE AND DRIVING METHOD [54] PROCEDE DE COMMANDE ET DISPOSITIF D'AFFICHAGE AUTOSTEREOSCOPIQUE [72] KROON, BART, NL [72] JOHNSON, MARK THOMAS, NL [71] KONINKLIJKE PHILIPS N.V., NL [85] 2017-03-30 [86] 2015-09-25 (PCT/EP2015/072055) [87] (WO2016/050619) [30] EP (14187049.3) 2014-09-30</p>	<p style="text-align: center;">[21] 2,963,191 [13] A1</p> <p>[51] Int.Cl. A01K 13/00 (2006.01) A45D 24/04 (2006.01) A46B 7/02 (2006.01) [25] FR [54] HEAD OF AN ANIMAL GROOMING BRUSH WITH MANUALLY RETRACTABLE COMB [54] TETE DE BROUSSE DE TOILETTAGE D'ANIMAUX A PEIGNE RETRACTABLE MANUELLEMENT [72] CATHAUD, EDDY, FR [71] SSERTSON GROUP, FR [85] 2017-03-30 [86] 2015-09-18 (PCT/FR2015/052516) [87] (WO2016/051046) [30] FR (1459273) 2014-09-30</p>	<p style="text-align: center;">[21] 2,963,240 [13] A1</p> <p>[51] Int.Cl. H04B 10/25 (2013.01) H04L 25/08 (2006.01) [25] EN [54] UPSTREAM INTERFERENCE ELIMINATING TRANSMISSION OF DIGITAL BASEBAND SIGNAL IN AN OPTICAL NETWORK [54] TRANSMISSION DE SIGNAL DE BANDE DE BASE NUMERIQUE AVEC ELIMINATION D'INTERFERENCES DE LIAISON MONTANTE DANS UN RESEAU OPTIQUE [72] MARICEVIC, ZORAN, US [72] STONEBACK, DEAN, US [72] SCHEMMANN, MARCEL F., NL [72] VIEIRA, AMARILDO, US [72] MUTALIK, VENKATESH G., US [71] ARRIS ENTERPRISES LLC, US [85] 2017-03-30 [86] 2015-09-15 (PCT/US2015/050187) [87] (WO2016/053618) [30] US (14/503,813) 2014-10-01</p>
<p style="text-align: center;">[21] 2,963,164 [13] A1</p> <p>[51] Int.Cl. B65D 1/02 (2006.01) [25] EN [54] COLLAPSIBLE PLASTIC BOTTLE FOR WATER DISPENSERS [54] BOUTEILLE EN PLASTIQUE COMPRESSIBLE POUR DISTRIBUTEURS D'EAU [72] COROCHER, CARLO, IT [72] POLLINI, MICHELE, IT [72] ZANETTE, DINO ENRICO, IT [72] ZOPPAS, MATTEO, IT [71] S.I.P.A. SOCIETA INDUSTRIALIZZAZIONE PROGETTAZIONE E AUTOMAZIONE S.P.A., IT [85] 2017-03-30 [86] 2015-10-02 (PCT/EP2015/072871) [87] (WO2016/050977) [30] IT (RM2014A000562) 2014-10-02</p>		

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[21] **2,963,243**
[13] A1

[51] **Int.Cl. H04L 12/851 (2013.01) H04L 12/813 (2013.01) H04L 12/823 (2013.01) H04L 12/833 (2013.01)**

[25] EN

[54] **ALLOCATING CAPACITY OF A NETWORK CONNECTION TO DATA STREAMS BASED ON TYPE**

[54] **CAPACITE D'ATTRIBUTION D'UNE CONNEXION DE RESEAU AUX FLUX DE DONNEES EN SE BASANT SUR LE TYPE**

[72] SELLA, WILLIAM THOMAS, US
[72] CAPUTO, PETE JOSEPH II, US
[72] SELLA, JAMES MICHAEL, US
[71] LEVEL 3 COMMUNICATIONS, LLC, US

[85] 2017-03-30
[86] 2015-09-22 (PCT/US2015/051528)
[87] (WO2016/053692)
[30] US (62/057,763) 2014-09-30
[30] US (14/678,671) 2015-04-03

[21] **2,963,290**
[13] A1

[51] **Int.Cl. H01R 12/52 (2011.01) H01R 13/6471 (2011.01) H05K 1/02 (2006.01) H01R 12/53 (2011.01) H05K 1/11 (2006.01)**

[25] EN

[54] **ELECTRICAL INTERFACE**

[54] **INTERFACE ELECTRIQUE**

[72] SANKARARAMAN, SANDEEP, US
[71] ROSENBERGER HOCHFREQUENZTECHNIK GMBH & CO. KG, DE

[85] 2017-03-22
[86] 2015-11-03 (PCT/EP2015/002212)
[87] (WO2016/070992)
[30] DE (20 2014 008 844.6) 2014-11-06

[21] **2,963,303**
[13] A1

[51] **Int.Cl. B65D 5/72 (2006.01) B65B 11/00 (2006.01) B65B 13/02 (2006.01) B65D 5/52 (2006.01) B65D 83/00 (2006.01)**

[25] EN

[54] **DEVICE, METHOD AND PACKAGING MACHINE FOR PROCESSING A PACKAGING CONTAINER**

[54] **DISPOSITIF, PROCEDE ET MACHINE D'EMBALLAGE PERMETTANT DE TRAITER UN RECIPIENT D'EMBALLAGE**

[72] SCHOLL, FRANK, CH
[71] ROBERT BOSCH GMBH, DE

[85] 2017-03-31
[86] 2015-09-28 (PCT/EP2015/072224)
[87] (WO2016/071041)
[30] DE (10 2014 222 367.9) 2014-11-03

[21] **2,963,342**
[13] A1

[51] **Int.Cl. G05B 19/042 (2006.01) H01H 9/54 (2006.01) H05B 37/02 (2006.01)**

[25] EN

[54] **INTELLIGENT ELECTRICAL SWITCH**

[54] **COMMUTATEUR ELECTRIQUE INTELLIGENT**

[72] WOOTTON, MATTHEW, US
[72] WOOTTON, JOHN, US
[72] NISSMAN, CHRIS, US
[72] MCKINNEY, JUSTIN, US
[71] IVANI, LLC, US

[85] 2017-03-30
[86] 2015-10-28 (PCT/US2015/057869)
[87] (WO2016/073256)
[30] US (62/074,902) 2014-11-04
[30] US (14/698,690) 2015-04-28
[30] US (14/855,031) 2015-09-15

[21] **2,963,345**
[13] A1

[51] **Int.Cl. H02J 13/00 (2006.01) H04W 84/18 (2009.01) G05B 15/02 (2006.01) H03K 17/96 (2006.01) H05B 37/02 (2006.01)**

[25] EN

[54] **CONFIGURABLE MESH NETWORK FOR AN ELECTRICAL SWITCHING SYSTEM**

[54] **RESEAU MAILLE CONFIGURABLE POUR SYSTEME DE COMMUTATION ELECTRIQUE**

[72] WOOTTON, MATTHEW, US
[72] NISSMAN, CHRISTOPHER, US
[72] WOOTTON, JOHN, US
[72] MCKINNEY, JUSTIN, US
[71] IVANI, LLC, US

[85] 2017-03-30
[86] 2015-10-29 (PCT/US2015/058019)
[87] (WO2016/073272)
[30] US (62/074,902) 2014-11-04
[30] US (14/606,881) 2015-01-27
[30] US (14/698,690) 2015-04-28

[21] **2,963,352**
[13] A1

[51] **Int.Cl. A24D 1/02 (2006.01)**

[25] EN

[54] **HYDROPHOBIC TIPPING PAPER**

[54] **PAPIER MANCHETTE HYDROPHOBE**

[72] BESSO, CLEMENT, CH
[72] GUYARD, AURELIEN, CH
[72] KADIRIC, ALEN, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH

[85] 2017-03-31
[86] 2015-10-15 (PCT/IB2015/057946)
[87] (WO2016/063182)
[30] US (62/066,065) 2014-10-20

PCT Applications Entering the National Phase

[21] **2,963,443**
[13] A1

[51] **Int.Cl. B01D 9/00 (2006.01) C02F 1/52 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR RECOVERING A PRECIPITATED SOLID INORGANIC FINAL PRODUCT CONSISTING OF PHOSPHORUS, NITROGEN AND AN ELEMENT X**
[54] **DISPOSITIF ET PROCEDE DE RECUPERATION D'UN PRODUIT FINAL INORGANIQUE SOLIDE PRECIPITE CONSTITUE DE PHOSPHORE, D'AZOTE ET D'UN ELEMENT X**
[72] TROUVE, EMMANUEL, FR
[72] MOLLES, GUILHEM, FR
[71] TROUVE, EMMANUEL, FR
[85] 2017-04-03
[86] 2015-10-02 (PCT/EP2015/072809)
[87] (WO2016/055372)
[30] LU (92566) 2014-10-06

[21] **2,963,457**
[13] A1

[51] **Int.Cl. H05H 1/24 (2006.01)**
[25] EN
[54] **DEVICE FOR GENERATING A COLD ATMOSPHERIC PRESSURE PLASMA**
[54] **DISPOSITIF DE PRODUCTION D'UN PLASMA FROID A PRESSION ATMOSPHERIQUE**
[72] MAHRENHOLZ, CARSTEN, DE
[72] GURA, TOBIAS, DE
[72] BUSSIAHN, RENE, DE
[72] KRAFCZYK, STEPHAN, DE
[72] STIEBER, MANFRED, DE
[72] HORN, STEFAN, DE
[72] BRANDENBURG, RONNY, DE
[72] WELTMANN, KLAUS-DIETER, DE
[72] VON WOEDTKE, THOMAS, DE
[71] LEIBNIZ-INSTITUT FUR PLASMAFORSCHUNG UND TECHNOLOGIE E.V., DE
[85] 2017-04-03
[86] 2015-10-09 (PCT/EP2015/073484)
[87] (WO2016/055654)
[30] DE (10 2014 220 488.7) 2014-10-09

[21] **2,963,605**
[13] A1

[51] **Int.Cl. A24D 3/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MANUFACTURING A CRIMPED WEB**
[54] **PROCEDE ET APPAREIL DE FABRICATION D'UNE BANDE ONDULEE**
[72] ZAPPOLI, STEFANO, IT
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2017-04-04
[86] 2015-11-02 (PCT/EP2015/075418)
[87] (WO2016/071267)
[30] EP (14191555.3) 2014-11-03

[21] **2,963,617**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **TOBACCO SACHET FOR USE IN A TOBACCO VAPORISER**
[54] **SACHET DE TABAC DESTINE A ETRE UTILISE DANS UN VAPORISATEUR DE TABAC**
[72] PIJNENBURG, JOHANNES PETRUS MARIA, CH
[72] FLORACK, DIONISIUS ELISABETH ANTONIUS, CH
[72] BRIFCANI, NOORI MOYAD, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2017-04-04
[86] 2015-12-15 (PCT/EP2015/079900)
[87] (WO2016/096927)
[30] EP (14198383.3) 2014-12-16

[21] **2,963,675**
[13] A1

[51] **Int.Cl. A01K 5/01 (2006.01) A01K 7/00 (2006.01)**
[25] EN
[54] **SUPPORT COMPRISING BOWLS ABLE TO BE HUNG ON THE WALL TO PROVIDE FOOD AND WATER TO ANIMALS**
[54] **SUPPORT COMPRENANT DES GAMELLES POUVANT ETRE ACCROCHEES AU MUR POUR NOURRIR ET ABREUVER LES ANIMAUX**
[72] BAIOCCHI, RENZO, IT
[71] BAMA S.P.A., IT
[85] 2017-04-04
[86] 2015-08-07 (PCT/IB2015/056008)
[87] (WO2016/063144)
[30] IT (CZ2014U000011) 2014-10-21

[21] **2,963,711**
[13] A1

[51] **Int.Cl. B65D 5/06 (2006.01)**
[25] EN
[54] **SHEET PACKAGING MATERIAL FOR PRODUCING SEALED PACKAGES FOR POURABLE FOOD PRODUCTS**
[54] **MATERIAU D'EMBALLAGE EN FEUILLE POUR PRODUIRE DES EMBALLAGES SCHELLES POUR DES PRODUITS ALIMENTAIRES POUVANT ETRE VERSES**
[72] BARBIERI, MARCELLO, IT
[72] PUTZER, SIEGRID, IT
[72] CEREDA, MASSIMILIANO, IT
[72] POPPI, MARCO, IT
[72] DE PIETRI TONELLI, ROBERTO, IT
[71] TETRA LAVAL HOLDINGS & FINANCE S.A., CH
[85] 2017-04-05
[86] 2015-10-27 (PCT/EP2015/074830)
[87] (WO2016/066624)
[30] EP (14190892.1) 2014-10-29

[21] **2,963,722**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **CONTINUOUS MODE HEATER ASSEMBLY FOR AEROSOL-GENERATING SYSTEM**
[54] **ENSEMBLE CHAUFFAGE EN MODE CONTINU POUR SYSTEME DE PRODUCTION D'AEROSOL**
[72] SILVESTRINI, PATRICK CHARLES, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2017-04-05
[86] 2015-12-14 (PCT/EP2015/079600)
[87] (WO2016/096733)
[30] EP (14197974.0) 2014-12-15

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[21] **2,963,728**
[13] A1
[51] **Int.Cl. A24F 47/00 (2006.01) A61M 15/00 (2006.01)**
[25] EN
[54] **AEROSOL-GENERATING SYSTEM COMPRISING MOVEABLE CARTRIDGE**
[54] **SYSTEME DE GENERATION D'AEROSOL COMPRENANT UNE CARTOUCHE MOBILE**
[72] BATISTA, RUI NUNO, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2017-04-05
[86] 2015-12-14 (PCT/EP2015/079595)
[87] (WO2016/096728)
[30] EP (14198070.6) 2014-12-15

[21] **2,963,734**
[13] A1
[51] **Int.Cl. A24F 47/00 (2006.01) B65D 79/00 (2006.01)**
[25] EN
[54] **E-LIQUID COLLAPSIBLE CARTRIDGE**
[54] **CARTOUCHE COMPRESSIBLE DE LIQUIDE A VAPOTER**
[72] BATISTA, RUI NUNO, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2017-04-05
[86] 2015-12-14 (PCT/EP2015/079650)
[87] (WO2016/096728)
[30] EP (14198015.1) 2014-12-15

[21] **2,963,764**
[13] A1
[51] **Int.Cl. B02C 7/06 (2006.01) B02C 7/14 (2006.01) B02C 19/00 (2006.01) B02C 23/12 (2006.01)**
[25] EN
[54] **DEVICE FOR COMMINUTING ORE, COMPRISING A HYDRAULIC SPRING UNIT, AND ASSOCIATED METHOD**
[54] **DISPOSITIF DE CONCASSAGE DE MINERAI COMPORTANT UN DISPOSITIF RESSORT HYDRAULIQUE ET PROCEDE CORRESPONDANT**
[71] MICRO IMPACT MILL LIMITED, LI
[85] 2017-04-05
[86] 2015-10-08 (PCT/EP2015/073235)
[87] (WO2016/055558)
[30] DE (10 2014 014 945.5) 2014-10-09

[21] **2,963,829**
[13] A1
[51] **Int.Cl. B26D 7/10 (2006.01) B26D 3/00 (2006.01) B29C 44/34 (2006.01) B29C 44/56 (2006.01) B29D 7/00 (2006.01) B29D 7/01 (2006.01) B26D 1/46 (2006.01)**
[25] EN
[54] **SPLITTING OF THICK HARD-FOAM PLATES**
[54] **DECOUPAGE DE PLAQUES DE MOUSSES DURES EPAISSES**
[72] RICHTER, THOMAS, DE
[72] BERNHARD, KAY, DE
[72] BECKER, FLORIAN, DE
[72] GOLDMANN, FELIX, DE
[72] DENK, TIM, DE
[72] SCHMIDT, ULRICH, DE
[72] HEMPLER, MATHIAS, DE
[71] EVONIK ROHM GMBH, DE
[85] 2017-04-06
[86] 2015-11-03 (PCT/EP2015/075520)
[87] (WO2016/078902)
[30] EP (14193576.7) 2014-11-18

[21] **2,963,880**
[13] A1
[51] **Int.Cl. G04G 15/00 (2006.01) B41J 3/407 (2006.01) B65C 9/46 (2006.01) G04G 13/02 (2006.01)**
[25] EN
[54] **UTILITY TIMERS IN A FOOD FRESHNESS PRINTER**
[54] **TEMPORISATEURS D'ACCESSOIRES DANS UNE IMPRIMANTE DE FRAICHEUR D'ALIMENTS**
[72] MORROW, MARK S., US
[72] MCMULLER, GARY E., US
[72] LITMER, LAVERN C., US
[72] CHANDLER, DOUGLAS M., US
[71] AVERY DENNISON RETAIL INFORMATION SERVICES, LLC, US
[85] 2017-04-06
[86] 2014-10-13 (PCT/US2014/060272)
[87] (WO2016/060638)

[21] **2,963,894**
[13] A1
[51] **Int.Cl. B05B 7/04 (2006.01) B01F 3/04 (2006.01) B05B 7/08 (2006.01)**
[25] EN
[54] **ATOMIZER NOZZLE**
[54] **BUSE DE PULVERISATION**
[72] PAAL, JOCHEN, DE
[71] SPRAYING SYSTEMS MANUFACTURING EUROPE GMBH, DE
[85] 2017-04-06
[86] 2014-10-09 (PCT/EP2014/071689)
[87] (WO2016/055115)

[21] **2,963,899**
[13] A1
[51] **Int.Cl. H01Q 11/16 (2006.01) H04B 5/00 (2006.01)**
[25] EN
[54] **ANTENNA DEVICE FOR SHORT-RANGE APPLICATIONS AND USE OF SUCH AN ANTENNA DEVICE**
[54] **DISPOSITIF D'ANTENNE DESTINE A DES UTILISATIONS COURTE PORTEE ET UTILISATION D'UN TEL DISPOSITIF D'ANTENNE**
[72] KILIAN, DIETER, DE
[71] KILIAN, DIETER, DE
[85] 2017-04-06
[86] 2015-10-19 (PCT/EP2015/002063)
[87] (WO2016/062391)
[30] DE (10 2014 015 708.3) 2014-10-23

[21] **2,963,950**
[13] A1
[51] **Int.Cl. H02K 3/38 (2006.01) H02K 3/12 (2006.01) H02K 15/00 (2006.01)**
[25] EN
[54] **ACTIVE PART OF AN ELECTRIC MACHINE**
[54] **ELEMENT ACTIF D'UN MOTEUR ELECTRIQUE**
[72] BOGDAN, ZOLT, RS
[72] ILES, JANOS, RS
[72] LINDMEIER, ANDREAS, DE
[72] SCHONBAUER, NORBERT, DE
[72] VUKOVIC, MIRJANA, RS
[72] BRENNER, ROBIN, DE
[72] RATZISBERGER, DOMINIK, DE
[72] TERINGL, CLAUDIUS, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2017-04-06
[86] 2015-10-02 (PCT/EP2015/072787)
[87] (WO2016/055366)
[30] EP (14188128.4) 2014-10-08

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[21] **2,963,957**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A61M 11/00 (2006.01)**

[25] EN

[54] **INHALATOR AND CARTRIDGE THEREOF**

[54] **INHALATEUR ET CARTOUCHE ASSOCIEE**

[72] AOUN, WALID ABI, GB

[72] ABRAMOV, OLEG JURIEVICH, GB

[72] NICHOLSON, GARY, GB

[72] FIRMIN, PAVEL, GB

[72] DIGARD, HELEN, GB

[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB

[85] 2017-04-06

[86] 2015-10-21 (PCT/EP2015/074395)

[87] (WO2016/062777)

[30] GB (1418817.1) 2014-10-22

[21] **2,964,023**
[13] A1

[51] **Int.Cl. G02C 7/02 (2006.01)**

[25] EN

[54] **METHOD FOR DETERMINING A LENS DESIGN OF AN OPTICAL LENS ADAPTED TO A WEARER**

[54] **PROCEDE DE DETERMINATION DE CONCEPTION DE LENTILLE D'UNE LENTILLE OPTIQUE ADAPTEE A UN PORTEUR**

[72] TRANVOUEZ, DELPHINE, FR

[72] POULAIN, ISABELLE, FR

[72] MARIN, GILDAS, FR

[72] CALIXTE, LAURENT, FR

[71] ESSILOR INTERNATIONAL (COMPAGNIE GENERALE D'OPTIQUE), FR

[85] 2017-04-07

[86] 2015-09-22 (PCT/EP2015/071796)

[87] (WO2016/055265)

[30] EP (14306579.5) 2014-10-08

[21] **2,964,028**
[13] A1

[51] **Int.Cl. H04N 7/18 (2006.01) H04N 21/2187 (2011.01) H04N 21/2343 (2011.01) H04N 21/414 (2011.01) H04N 21/4143 (2011.01) H04N 21/431 (2011.01) H04N 21/4363 (2011.01) H04N 21/442 (2011.01) H04N 21/643 (2011.01) H04N 21/6587 (2011.01)**

[25] EN

[54] **SETTING DATA RATES IN A VIDEO CAMERA SYSTEM**

[54] **REGLAGE DU DEBIT DE DONNEES DANS UN SYSTEME DE CAMERAS VIDEO**

[72] HAUENSTEIN, THOMAS, DE

[72] SALOMAN, CHRISTOPHER, DE

[72] THIEME, WOLFGANG, DE

[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE

[85] 2017-04-07

[86] 2015-10-02 (PCT/EP2015/072827)

[87] (WO2016/055375)

[30] DE (10 2014 220 428.3) 2014-10-08

[21] **2,964,043**
[13] A1

[51] **Int.Cl. A61F 9/008 (2006.01) B23K 26/06 (2014.01) B23K 26/067 (2006.01)**

[25] FR

[54] **DEVICE AND METHOD FOR CUTTING A CORNEA OR A CRYSTALLINE LENS**

[54] **DISPOSITIF ET PROCEDE POUR LA DECOUPE D'UNE CORNEE OU D'UN CRISTALLIN**

[72] BERNARD, AURELIEN, FR

[72] GAIN, PHILIPPE, FR

[72] MAUCLAIR, CYRIL, FR

[72] THURET, GILLES, FR

[71] UNIVERSITE JEAN MONNET SAINT ETIENNE, FR

[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR

[85] 2017-04-07

[86] 2015-10-07 (PCT/EP2015/073179)

[87] (WO2016/055539)

[30] FR (1459624) 2014-10-08

[21] **2,964,044**
[13] A1

[51] **Int.Cl. E02D 7/08 (2006.01) E02D 13/10 (2006.01)**

[25] EN

[54] **AN ARRANGEMENT FOR SUPPORTING A STEEL PILE IN AN IMPACT PILE DRIVING DEVICE, AN IMPACT PILE DRIVING DEVICE, AN IMPACT PILE DRIVING MACHINE, AND A METHOD FOR ARRANGING THE SUPPORT OF A STEEL PILE IN AN IMPACT PILE DRIVING DEVICE**

[54] **AGENCEMENT DESTINE A SUPPORTER UN PIEU EN ACIER DANS UN DISPOSITIF DE BATTAGE DE PIEUX A PERCUSSION, DISPOSITIF DE BATTAGE DE PIEUX A PERCUSSION, MACHINE DE BATTAGE DE PIEUX A PERCUSSION, ET PROCEDE DE MISE EN PLACE DU SUPPORT D'UN PIEU EN ACIER DANS UN DISPOSITIF DE BATTAGE DE PIEUX A PERCUSSION**

[72] KOFFERT, MARKKU, FI

[72] HEIKKINEN, TUOMO, FI

[71] JUNTAN OY, FI

[85] 2017-04-07

[86] 2015-10-16 (PCT/FI2015/050703)

[87] (WO2016/059299)

[30] FI (20145911) 2014-10-17

[21] **2,964,071**
[13] A1

[51] **Int.Cl. A01M 7/00 (2006.01) A01B 73/04 (2006.01)**

[25] EN

[54] **ARTICULATED NOZZLE-HOLDER BOOM ARM FOR AGRICULTURAL SPRAYER**

[54] **BRAS DE FLECHE ARTICULE PORTE-BUSE POUR PULVERISATEUR AGRICOLE**

[72] RIBOTTA, ESTEBAN PABLO, AR

[72] CAMPAGNARO, FERNANDO GABRIEL, AR

[71] RIBOTTA, ESTEBAN PABLO, AR

[71] CAMPAGNARO, FERNANDO GABRIEL, AR

[85] 2017-04-07

[86] 2015-10-09 (PCT/EP2015/073380)

[87] (WO2016/058925)

[30] AR (P20140103839) 2014-10-16

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[21] **2,964,150**
[13] A1

[51] **Int.Cl. B64C 25/50 (2006.01) B62D 5/08 (2006.01) B62D 5/087 (2006.01) F16K 11/07 (2006.01)**

[25] EN
[54] **NOSE WHEEL STEERING VALVE**
[54] **SOUPAPE D'ORIENTATION DE TRAIN AVANT**

[72] FORRESTER, RAYMOND ALVERO, JR., US
[71] NATIONAL MACHINE COMPANY, US
[85] 2017-04-07
[86] 2015-10-09 (PCT/US2015/054875)
[87] (WO2016/057888)
[30] US (62/061,852) 2014-10-09

[21] **2,964,164**
[13] A1

[51] **Int.Cl. B29C 49/04 (2006.01) B29C 49/42 (2006.01) B29C 49/44 (2006.01) B29C 49/50 (2006.01) B29C 49/60 (2006.01)**

[25] EN
[54] **METHOD AND EQUIPMENT FOR PRODUCTION OF A PINCH LINE FREE LINER**
[54] **PROCEDE ET APPAREILLAGE POUR LA PRODUCTION D'UN REVETEMENT INTERIEUR EXEMPT DE LIGNE DE PINCEMENT**

[72] GARDSRUD, HANS OYVIND, NO
[72] THEVENARD, PIERRE, NO
[71] HEXAGON RAUFOSS AS, NO
[85] 2017-04-10
[86] 2015-10-13 (PCT/EP2015/073647)
[87] (WO2016/059036)
[30] NO (20141228) 2014-10-14

[21] **2,964,180**
[13] A1

[51] **Int.Cl. A41B 11/12 (2006.01) A41B 11/00 (2006.01)**

[25] EN
[54] **A FOOTLET AS WELL AS A METHOD FOR PRODUCING SUCH A FOOTLET**
[54] **PROTEGE-BAS AINSI QUE PROCEDE DE FABRICATION D'UN TEL PROTEGE-BAS**

[72] VAN TIEL, CORNELIUS HENDRIKUS NICOLAAS, NL
[72] VAN TIEL, WILHELMUS JACOBUS CORNELIUS, NL
[71] STEPS HOLDING B.V., NL
[85] 2017-04-10
[86] 2015-10-06 (PCT/EP2015/073019)
[87] (WO2016/058864)
[30] NL (2013644) 2014-10-17

[21] **2,964,206**
[13] A1

[51] **Int.Cl. E05F 15/40 (2015.01) E05F 15/42 (2015.01) E05F 15/73 (2015.01) E05F 15/75 (2015.01)**

[25] EN
[54] **INTELLIGENT AUTOCLOSE DOOR**
[54] **PORTE A FERMETURE AUTOMATIQUE INTELLIGENTE**

[72] BOSTYN, FREDERIC, BE
[72] FAUQUETTE, CHARLES, BE
[72] VISEUR, BRUNO, BE
[71] ENTREMATIC BELGIUM NV, BE
[85] 2017-04-07
[86] 2015-10-16 (PCT/EP2015/074050)
[87] (WO2016/066456)
[30] BE (2014/5031) 2014-10-27

[21] **2,964,224**
[13] A1

[51] **Int.Cl. A01B 23/02 (2006.01) A01B 35/22 (2006.01)**

[25] EN
[54] **SOIL-WORKING TOOL**
[54] **OUTIL DE TRAVAIL DU SOL**

[72] SCHERF, SILVIO, DE
[72] POLSTER, JOACHIM, DE
[72] KRAMER, ULRICH, DE
[72] SEIFRIED, FABIAN, DE
[71] AMAZONEN-WERKE H.DREYER GMBH & CO. KG, DE
[71] BETEK GMBH & CO. KG, DE
[85] 2017-04-10
[86] 2015-10-20 (PCT/EP2015/074220)
[87] (WO2016/062694)
[30] DE (10 2014 115 209.3) 2014-10-20

[21] **2,964,270**
[13] A1

[51] **Int.Cl. B65C 3/06 (2006.01)**

[25] EN
[54] **PROCESS FOR FORMING A SLEEVE ON A CONTAINER**
[54] **PROCEDE POUR LA FORMATION D'UN MANCHON SUR UN RECIPIENT**

[72] GOUDY, ERIC SHAWN, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2017-04-10
[86] 2015-10-21 (PCT/US2015/056648)
[87] (WO2016/064996)
[30] US (14/520,885) 2014-10-22

[21] **2,964,285**
[13] A1

[51] **Int.Cl. B65D 1/02 (2006.01)**

[25] EN
[54] **CONTAINER COMPRISING A SINGLE-PIECE HEAD SECTION**
[54] **RECIPIENT POURVU D'UN ELEMENT DE TETE D'UNE SEULE PIECE**

[72] HANSEN, BERND, DE
[71] KOCHER-PLASTIK MASCHINENBAU GMBH, DE
[85] 2017-04-11
[86] 2015-09-10 (PCT/EP2015/001823)
[87] (WO2016/066238)
[30] DE (10 2014 016 192.7) 2014-10-31
[30] CN (201420720014.6) 2014-11-26

[21] **2,964,288**
[13] A1

[51] **Int.Cl. G02B 6/42 (2006.01) G02B 26/10 (2006.01)**

[25] EN
[54] **OPTICAL BEAM SCANNER**
[54] **SCANNER A FAISCEAU OPTIQUE**

[72] MARGALLO BALBAS, EDUARDO, ES
[72] RUBIO GIVERNAU, JOSE LUIS, ES
[72] ZINOVIEV, KIRILL, RU
[71] MEDLUMICS S.L., ES
[85] 2017-04-11
[86] 2015-10-15 (PCT/EP2015/073926)
[87] (WO2016/059177)
[30] US (62/064,355) 2014-10-15
[30] US (14/882,291) 2015-10-13

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[21] **2,964,295**
[13] A1

[51] **Int.Cl. H01R 13/516 (2006.01) H01R 13/506 (2006.01) H01R 27/02 (2006.01)**

[25] EN

[54] **DEVICE FOR SECURING ELECTRICAL CHARGING CABLES TOGETHER**

[54] **DISPOSITIF DE SOLIDARISATION DE CABLES DE RECHARGEMENT ELECTRIQUE**

[72] FROMENT, MARION, FR
[72] BLANC, OLIVIER, FR
[72] SOUBIRANE, ALAIN, FR
[71] INGENICO GROUP, FR
[85] 2017-04-11
[86] 2015-10-16 (PCT/EP2015/074059)
[87] (WO2016/059233)
[30] FR (1459999) 2014-10-17

[21] **2,964,318**
[13] A1

[51] **Int.Cl. A63C 13/00 (2006.01) A43C 15/06 (2006.01)**

[25] EN

[54] **SNOWSHOE**

[54] **RAQUETTE A NEIGE**

[72] BEHRENS, ROBERT ERWIN, IT
[72] LOCATELLI, MARCO, IT
[71] BEHRENS, ROBERT ERWIN, IT
[85] 2017-04-11
[86] 2015-10-15 (PCT/IB2015/057911)
[87] (WO2016/059581)
[30] IT (TO2014A000841) 2014-10-15

[21] **2,964,322**
[13] A1

[51] **Int.Cl. A01C 7/06 (2006.01) A01M 7/00 (2006.01) A01M 9/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DISPENSING SEEDS AND TREATMENT**

[54] **SYSTEME ET PROCEDE DE DISTRIBUTION DE SEMENCES, ET TRAITEMENT**

[72] NELSON, BRENT, US
[72] GALLE, PAUL, US
[71] GREAT PLAINS MANUFACTURING, INCORPORATED, US
[85] 2017-04-10
[86] 2015-10-16 (PCT/US2015/055985)
[87] (WO2016/061485)
[30] US (62/065,112) 2014-10-17

[21] **2,964,327**
[13] A1

[51] **Int.Cl. E04H 12/34 (2006.01) E04H 12/12 (2006.01) E04H 12/16 (2006.01) E04C 5/06 (2006.01)**

[25] EN

[54] **METHOD FOR INSTALLING A HOLLOW CONCRETE TOWER MADE FROM MORE THAN ONE SEGMENT AND CORRESPONDING HOLLOW CONCRETE TOWER**

[54] **PROCEDE D'INSTALLATION D'UNE TOUR CREUSE EN BETON CONSTITUEE DE PLUS D'UN SEGMENT ET TOUR CREUSE EN BETON CORRESPONDANTE**

[72] DIEZ CORNEJO, ALFONSO, ES
[71] BYO TOWERS, S.L., ES
[85] 2017-04-11
[86] 2015-09-25 (PCT/EP2015/072179)
[87] (WO2016/066345)
[30] EP (14382427.4) 2014-10-30

[21] **2,964,342**
[13] A1

[51] **Int.Cl. A01K 31/06 (2006.01) A01K 31/00 (2006.01) A01K 31/10 (2006.01)**

[25] EN

[54] **CONTAINER BASE, CONTAINER SEGMENT, CONTAINER COVER AND CONTAINER ASSEMBLY FOR HOLDING LIVE POULTRY AND METHOD FOR LOADING AND UNLOADING SUCH A CONTAINER ASSEMBLY**

[54] **BASE DE CONTENEUR, SEGMENT DE CONTENEUR, COUVERCLE DE CONTENEUR ET ENSEMBLE CONTENEUR POUR CONTENIR DE LA VOLAILLE VIVANTE, ET PROCEDE DE CHARGEMENT ET DE DECHARGEMENT D'UN TEL ENSEMBLE CONTENEUR**

[72] KROOT, MARCUS MARINUS GERARDUS, NL
[72] HALFMAN, MARC JOHAN, NL
[72] CLAESSENS, ROGER PIERRE HUBERTUS MARIA, NL
[72] HIDDINK, WILBERT, NL
[72] DE JONG, NICKY WILHELMUS JOHANNES HENDRIKUS, NL
[71] MAREL STORK POULTRY PROCESSING B.V, AN
[85] 2017-04-11
[86] 2015-10-21 (PCT/NL2015/050728)
[87] (WO2016/064270)
[30] NL (2013674) 2014-10-23
[30] NL (2014757) 2015-05-01

[21] **2,964,356**
[13] A1

[51] **Int.Cl. A01J 5/08 (2006.01)**

[25] EN

[54] **A TEATCUP**

[54] **GOBELET-TRAYEUR**

[72] APPELQUIST, JOHANNA, SE
[72] JOHANSSON, THOMAS, SE
[71] DELAVAL HOLDING AB, SE
[85] 2017-04-11
[86] 2015-12-14 (PCT/SE2015/051332)
[87] (WO2016/099384)
[30] SE (1451618-1) 2014-12-19

[21] **2,964,382**
[13] A1

[51] **Int.Cl. B65B 43/10 (2006.01) B65B 21/00 (2006.01) B65B 35/44 (2006.01) B65B 43/26 (2006.01) B65B 49/00 (2006.01) B65B 59/00 (2006.01) B65G 37/00 (2006.01)**

[25] EN

[54] **METHOD OF PROCESSING A PLURALITY OF ARTICLES THROUGH A PROCESSING SECTION OF A PACKAGING MACHINE AND METHOD OF RECONFIGURING A PROCESSING SECTION OF A PACKAGING MACHINE**

[54] **PROCEDE DE TRAITEMENT D'UNE PLURALITE D'ARTICLES PAR UNE SECTION DE TRAITEMENT D'UNE MACHINE D'EMBALLAGE ET PROCEDE DE RECONFIGURATION D'UNE SECTION DE TRAITEMENT D'UNE MACHINE D'EMBALLAGE**

[72] SHURTLEFF, DAVID J., US
[72] NELSON, PATRICK LEE, US
[72] KARDOK, DAVID A., US
[71] STANDARD KNAPP INC., US
[85] 2017-04-11
[86] 2015-10-26 (PCT/US2015/057331)
[87] (WO2016/069456)
[30] US (14/525,126) 2014-10-27

Demandes PCT entrant en phase nationale

[21] **2,964,383**
[13] A1

[51] **Int.Cl. B65B 43/10 (2006.01) B65B 21/00 (2006.01) B65B 43/26 (2006.01) B65B 49/00 (2006.01) B65B 59/00 (2006.01) B65G 37/00 (2006.01)**

[25] EN

[54] **PROCESS SECTION OF A PACKAGING MACHINE**

[54] **SECTION DE TRAITEMENT D'UNE MACHINE D'EMBALLAGE**

[72] SHURTLEFF, DAVID J., US

[72] NELSON, PATRICK LEE, US

[72] KARDOK, DAVID A., US

[71] STANDARD KNAPP INC., US

[85] 2017-04-11

[86] 2015-10-26 (PCT/US2015/057334)

[87] (WO2016/069457)

[30] US (14/525,106) 2014-10-27

[21] **2,964,420**
[13] A1

[51] **Int.Cl. D21H 17/09 (2006.01) C08L 39/02 (2006.01) D21H 17/10 (2006.01) D21H 17/37 (2006.01) D21H 17/55 (2006.01) D21H 17/56 (2006.01) D21H 21/20 (2006.01) D21H 23/04 (2006.01)**

[25] EN

[54] **SOLIDIFYING COMPOSITION FOR PAPER AND CARDBOARD**

[54] **COMPOSITION DE DURCISSEMENT POUR PAPIER ET CARTON**

[72] HAEHNLE, HANS-JOACHIM, DE

[72] HAMERS, CHRISTOPH, DE

[72] ESSER, ANTON, DE

[72] SPANGE, STEFAN, DE

[72] TROMMLER, KATJA, DE

[72] WUERFEL, HENDRYK, DE

[72] SEIFERT, SUSAN, DE

[72] WALTHER, TINA, DE

[71] BASF SE, DE

[85] 2017-04-12

[86] 2015-08-14 (PCT/EP2015/068725)

[87] (WO2016/058730)

[30] EP (14188666.3) 2014-10-13

[21] **2,964,435**
[13] A1

[51] **Int.Cl. E04B 9/22 (2006.01) E04G 21/14 (2006.01)**

[25] EN

[54] **A SYSTEM TO MOUNT CEILING TILES IN A COMPLETELY CONCEALED GRID SYSTEM WHERE INDIVIDUAL TILE CAN BE MOUNTED OR DISMOUNTED**

[54] **SYSTEME DE MONTAGE DE DALLES DE PLAFOND DANS UN SYSTEME DE GRILLE ENTIEREMENT DISSIMULE OU DES DALLES INDIVIDUELLES PEUVENT ETRE MONTEES OU DEMONTEES**

[72] VANGALA, PATTABHI, IN

[71] VANGALA, PATTABHI, IN

[85] 2017-04-12

[86] 2015-11-11 (PCT/IN2015/000417)

[87] (WO2017/017690)

[30] IN (3919/CHE/2015) 2015-07-30

[21] **2,964,439**
[13] A1

[51] **Int.Cl. F17C 13/04 (2006.01)**

[25] EN

[54] **FITTING FOR LIQUID GAS CYLINDERS AND FILLING METHOD**

[54] **FERRURE DESTINEE A DES BOUTEILLES DE GAZ LIQUIDE ET PROCEDE DE REMPLISSAGE**

[72] TILHOF, ECKHARD, CH

[71] LPG SUISSE AG, CH

[85] 2017-04-12

[86] 2015-10-28 (PCT/EP2015/074950)

[87] (WO2016/074923)

[30] EP (14192891.1) 2014-11-12

[21] **2,964,443**
[13] A1

[51] **Int.Cl. F17C 5/00 (2006.01)**

[25] EN

[54] **FILLING STATION FOR GAS BOTTLES AND FILLING METHOD**

[54] **POSTE DE REMPLISSAGE POUR BOUTEILLES DE GAZ AINSI QUE PROCEDE DE REMPLISSAGE**

[72] TILHOF, ECKHARD, CH

[71] LPG SUISSE AG, CH

[85] 2017-04-12

[86] 2015-10-28 (PCT/EP2015/074952)

[87] (WO2016/074924)

[30] EP (14192881.2) 2014-11-12

[21] **2,964,460**
[13] A1

[51] **Int.Cl. A01J 5/017 (2006.01)**

[25] EN

[54] **SUPPORT ARM ASSEMBLY AND MILKING PARLOUR**

[54] **ENSEMBLE BRAS DE SUPPORT ET SALLE DE TRAITE**

[72] HAMERTON, LANCE, SE

[71] DELAVAL HOLDING AB, SE

[85] 2017-04-12

[86] 2015-10-15 (PCT/SE2015/051091)

[87] (WO2016/060608)

[30] SE (1451246-1) 2014-10-17

[21] **2,964,465**
[13] A1

[51] **Int.Cl. C11B 9/00 (2006.01) C11D 17/08 (2006.01) C11D 3/37 (2006.01) C11D 3/50 (2006.01) C11D 3/60 (2006.01) C11D 7/60 (2006.01)**

[25] EN

[54] **PACKAGED COMPOSITION**

[54] **COMPOSITION CONDITIONNEE**

[72] SODD, VINCENT JOSEPH, US

[72] CORONA, ALESSANDRO, III, US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2017-04-12

[86] 2015-11-03 (PCT/US2015/058710)

[87] (WO2016/073400)

[30] US (14/532,513) 2014-11-04

[21] **2,964,482**
[13] A1

[51] **Int.Cl. E04F 15/18 (2006.01) E04F 15/02 (2006.01) E04F 15/22 (2006.01)**

[25] EN

[54] **UNCOUPLING MAT**

[54] **TAPIS A COUCHE AMOVIBLE**

[72] KEENE, JAMES R., US

[71] KEENE BUILDING PRODUCTS CO., INC., US

[85] 2017-04-12

[86] 2015-10-15 (PCT/US2015/055729)

[87] (WO2016/061346)

[30] US (62/064,075) 2014-10-15

PCT Applications Entering the National Phase

<p style="text-align: center;">[21] 2,964,499 [13] A1</p> <p>[51] Int.Cl. A45B 9/02 (2006.01) A63C 11/22 (2006.01)</p> <p>[25] EN</p> <p>[54] CROSS-COUNTRY SKI POLE HANDLE</p> <p>[54] POIGNEE DE BATON DE RANDONNEE</p> <p>[72] HEIM, EBERHARD, DE</p> <p>[72] HOFER, MARCO, DE</p> <p>[71] LEKISPORT AG, CH</p> <p>[85] 2017-04-13</p> <p>[86] 2015-10-15 (PCT/EP2015/073847)</p> <p>[87] (WO2016/071090)</p> <p>[30] CH (01732/14) 2014-11-07</p>	<p style="text-align: center;">[21] 2,964,583 [13] A1</p> <p>[51] Int.Cl. E01H 4/02 (2006.01) B60P 3/025 (2006.01)</p> <p>[25] EN</p> <p>[54] SNOW-CAT WITH INCREASED FUNCTIONALITY</p> <p>[54] CHENILLETTE A FONCTIONNALITE AMELIOREE</p> <p>[72] CAMPI, ANDREA, IT</p> <p>[71] DOSSO S.R.L., IT</p> <p>[85] 2017-04-12</p> <p>[86] 2015-10-14 (PCT/EP2015/073799)</p> <p>[87] (WO2016/059120)</p> <p>[30] IT (MI2014A001791) 2014-10-15</p>	<p style="text-align: center;">[21] 2,964,699 [13] A1</p> <p>[51] Int.Cl. A45C 13/10 (2006.01)</p> <p>[25] EN</p> <p>[54] CLASP FOR A CONTAINER, SUCH AS A BAG OR A LEATHER ARTICLE</p> <p>[54] FERMOIRS POUR UN CONTEANT, TEL QU'UN SAC OU UN ARTICLE EN CUIR</p> <p>[72] BIANCONI, LUDOVICA, IT</p> <p>[71] LORO PIANA S.P.A., IT</p> <p>[85] 2017-04-13</p> <p>[86] 2015-10-27 (PCT/IB2015/058273)</p> <p>[87] (WO2016/067196)</p> <p>[30] IT (TO2014A000880) 2014-10-29</p>
<p style="text-align: center;">[21] 2,964,501 [13] A1</p> <p>[51] Int.Cl. A61L 27/26 (2006.01) A61L 27/56 (2006.01)</p> <p>[25] EN</p> <p>[54] A BIOMATERIAL SCAFFOLD FOR REGENERATING THE ORAL MUCOSA</p> <p>[54] ECHAFAUDAGE EN BIOMATERIAU POUR REGENERATION DE LA MUQUEUSE ORALE</p> <p>[72] CASTRO FEO, BEGONA, ES</p> <p>[72] BAIGET ORTS, AMPARO, ES</p> <p>[71] HISTOCELL, S.L., ES</p> <p>[85] 2017-04-13</p> <p>[86] 2015-10-23 (PCT/EP2015/074610)</p> <p>[87] (WO2016/062862)</p> <p>[30] EP (14382417.5) 2014-10-24</p>	<p style="text-align: center;">[21] 2,964,665 [13] A1</p> <p>[51] Int.Cl. D21C 5/02 (2006.01) D21C 3/00 (2006.01) D21C 9/08 (2006.01) D21H 17/13 (2006.01) D21H 17/59 (2006.01)</p> <p>[25] EN</p> <p>[54] A METHOD FOR CONTROLLING THE DEPOSITION OF STICKIES IN PULPING AND PAPERMAKING PROCESSES</p> <p>[54] PROCEDE DE LUTTE CONTRE LE DEPOT DE MATIERES COLLANTES DANS LES PROCESSUS DE TRITURATION ET DE FABRICATION DU PAPIER</p> <p>[72] BLASING, BIRGIT, DE</p> <p>[72] FRIDRISCHAK, SIEGMUND, DE</p> <p>[72] NELLESSEN, BERNHARD, DE</p> <p>[72] SCHENKER, ACHIM, DE</p> <p>[71] NOPCO PAPER TECHNOLOGY GMBH, DD</p> <p>[85] 2017-04-13</p> <p>[86] 2015-10-15 (PCT/EP2015/073874)</p> <p>[87] (WO2016/059153)</p> <p>[30] GB (1418288.5) 2014-10-15</p>	<p style="text-align: center;">[21] 2,964,701 [13] A1</p> <p>[51] Int.Cl. A01D 34/416 (2006.01) A01D 34/84 (2006.01)</p> <p>[25] EN</p> <p>[54] FIXED LINE PIVOTING TRIMMER HEADS PIVOTING CONCEPTS</p> <p>[54] CONCEPTS DE PIVOTEMENT DE TETES DE COUPE-BORDURES DE PIVOTEMENT A FIL FIXE</p> <p>[72] ALLISS, GEORGE E., US</p> <p>[71] ALLISS, GEORGE E., US</p> <p>[85] 2017-04-13</p> <p>[86] 2015-12-17 (PCT/IB2015/059727)</p> <p>[87] (WO2016/063268)</p> <p>[30] US (14/518,491) 2014-10-20</p>
<p style="text-align: center;">[21] 2,964,580 [13] A1</p> <p>[51] Int.Cl. A01B 59/043 (2006.01) A01F 15/07 (2006.01) A01F 15/08 (2006.01)</p> <p>[25] EN</p> <p>[54] TOWING APPARATUS FOR AGRICULTURAL MACHINES, OF THE TYPE OF BALERS, ROUND BALERS AND THE LIKE</p> <p>[54] APPAREIL DE REMORQUAGE POUR MACHINES AGRICOLES, DU TYPE PRESSE A BALLE, PRESSE A BALLE RONDES, ET SIMILAIRES</p> <p>[72] FRASCELLA, COSIMO, IT</p> <p>[71] KVERNELAND GROUP RAVENNA S.R.L., IT</p> <p>[85] 2017-04-12</p> <p>[86] 2015-10-12 (PCT/EP2015/073601)</p> <p>[87] (WO2016/059008)</p> <p>[30] EP (14425131.1) 2014-10-15</p>	<p style="text-align: center;">[21] 2,964,679 [13] A1</p> <p>[51] Int.Cl. A01G 9/12 (2006.01) A01G 17/10 (2006.01)</p> <p>[25] EN</p> <p>[54] PLANT SUPPORT COLLAR</p> <p>[54] COLLIER DE SUPPORT DE PLANTE</p> <p>[72] TORRES CARPIO, JOSEP, ES</p> <p>[71] A. RAYMOND ET CIE, FR</p> <p>[85] 2017-04-13</p> <p>[86] 2015-11-05 (PCT/EP2015/075776)</p> <p>[87] (WO2016/071430)</p> <p>[30] NL (2013747) 2014-11-06</p>	<p style="text-align: center;">[21] 2,964,792 [13] A1</p> <p>[51] Int.Cl. E05B 65/08 (2006.01) E05B 81/04 (2014.01) E05B 63/18 (2006.01) E05C 19/12 (2006.01) E05B 47/00 (2006.01) E05C 9/04 (2006.01)</p> <p>[25] EN</p> <p>[54] OPPOSED HOOK SLIDING DOOR LOCK</p> <p>[54] VERROU DE PORTE COULISSANTE A CROCHETS OPPOSES</p> <p>[72] TAGTOW, GARY E, US</p> <p>[72] RAAP, DAN, US</p> <p>[72] HAGEMEYER, BRUCE, US</p> <p>[71] AMESBURY GROUP, INC., US</p> <p>[85] 2017-04-13</p> <p>[86] 2015-10-16 (PCT/US2015/055969)</p> <p>[87] (WO2016/061473)</p> <p>[30] US (62/064,859) 2014-10-16</p>

Demandes PCT entrant en phase nationale

[21] **2,964,827**
[13] A1

[51] **Int.Cl. A63G 4/00 (2006.01) A63G 1/00 (2006.01) B65G 43/02 (2006.01) F16P 3/00 (2006.01) G01B 7/00 (2006.01)**

[25] EN

[54] **MECHATRONIC SAFETY SYSTEM FOR AMUSEMENT RIDES, AND IN PARTICULAR ROLLER COASTERS, CAROUSELS, AND THE LIKE**

[54] **SYSTEME DE SECURITE MECATRONIQUE POUR MANEGES, EN PARTICULIER MONTAGNES RUSSES, CARROUSELS OU SIMILAIRES**

[72] BURGER, GUNTER, DE

[71] MACK RIDES GMBH & CO. KG, DE

[85] 2017-04-18

[86] 2015-10-02 (PCT/EP2015/072782)

[87] (WO2016/050952)

[30] DE (10 2014 114 338.8) 2014-10-02

[21] **2,964,829**
[13] A1

[51] **Int.Cl. A24B 15/16 (2006.01) A24F 47/00 (2006.01)**

[25] EN

[54] **CONTAINER CONTAINING A NICOTINE SOLUTION**

[54] **RECIPIENT CONTENANT UNE SOLUTION A BASE DE NICOTINE**

[72] MCADAM, KEVIN GERARD, GB

[72] BRUTON, CONNOR, GB

[72] TRANI, MARINA, GB

[71] NICOVENTURES HOLDINGS LIMITED, GB

[85] 2017-04-18

[86] 2015-11-06 (PCT/GB2015/053369)

[87] (WO2016/071706)

[30] GB (1419866.7) 2014-11-07

[21] **2,964,833**
[13] A1

[51] **Int.Cl. G05B 17/02 (2006.01) G05B 23/02 (2006.01)**

[25] EN

[54] **METHOD FOR DETERMINING AN EMISSION BEHAVIOUR**

[54] **PROCEDE POUR DETERMINER UN COMPORTEMENT D'EMISSIONS**

[72] HACKNEY, RICHARD, GB

[71] SIEMENS AKTIENGESSELLSCHAFT, DE

[85] 2017-04-18

[86] 2015-10-15 (PCT/EP2015/073830)

[87] (WO2016/062598)

[30] EP (14189956.7) 2014-10-22

[21] **2,964,839**
[13] A1

[51] **Int.Cl. A41B 9/02 (2006.01) A41B 9/00 (2006.01)**

[25] EN

[54] **MALE UNDERGARMENT SUITABLE FOR MULTIPLE WAIST SIZES**

[54] **SOUS-VETEMENT MASCULIN ADAPTE A DE MULTIPLES TOURS DE TAILLE**

[72] BLIBECH, RAGHEB, FR

[71] HANES OPERATIONS EUROPE SAS, FR

[85] 2017-04-18

[86] 2015-10-14 (PCT/IB2015/057888)

[87] (WO2016/059577)

[30] FR (14/60040) 2014-10-17

[21] **2,964,844**
[13] A1

[51] **Int.Cl. A24B 15/16 (2006.01) A24F 47/00 (2006.01) A61K 31/465 (2006.01)**

[25] EN

[54] **SOLUTION COMPRISING NICOTINE IN UNPROTONATED FROM AND PROTONATED FORM**

[54] **SOLUTION CONTENANT DE LA NICOTINE SOUS UNE FORME NON PROTONEE ET SOUS UNE FORME PROTONEE**

[72] MCADAM, KEVIN GERARD, GB

[72] BRUTON, CONNOR, GB

[71] NICOVENTURES HOLDINGS LIMITED, GB

[85] 2017-04-18

[86] 2015-11-06 (PCT/GB2015/053368)

[87] (WO2016/071705)

[30] GB (1419865.9) 2014-11-07

[21] **2,964,855**
[13] A1

[51] **Int.Cl. A41C 3/00 (2006.01) A41C 3/12 (2006.01)**

[25] EN

[54] **BRASSIERE ADAPTED FOR PRACTICING SPORTS**

[54] **SOUTIEN-GORGE PREVU POUR LA PRATIQUE DE SPORTS**

[72] GRAHAM WARD, DANIEL, GB

[72] EDWARD CUCKNELL, ALAN JOHN, GB

[72] SCADDING MOIR, ROBERT, GB

[72] MURPHY, MICHAEL, GB

[71] HANES OPERATIONS EUROPE SAS, FR

[85] 2017-04-18

[86] 2015-10-14 (PCT/IB2015/057889)

[87] (WO2016/059578)

[30] FR (14/60041) 2014-10-17

[21] **2,964,856**
[13] A1

[51] **Int.Cl. A41B 9/00 (2006.01) A41D 1/04 (2006.01) A41D 1/08 (2006.01) A41D 13/00 (2006.01)**

[25] EN

[54] **SPORTS UNDERGARMENT INCLUDING A RESILIENT FABRIC CONTRIBUTING LEVELS OF COMPRESSION ADAPTED TO THE MUSCLE TISSUES**

[54] **SOUS-VETEMENT DE SPORT COMPRENANT UN TISSU ELASTIQUE CONTRIBUANT A DES NIVEAUX DE COMPRESSION ADAPTES AUX TISSUS MUSCULAIRES**

[72] BLIBECH, RAGHEB, FR

[71] HANES OPERATIONS EUROPE SAS, FR

[85] 2017-04-18

[86] 2015-10-14 (PCT/IB2015/057890)

[87] (WO2016/059579)

[30] FR (14/60038) 2014-10-17

PCT Applications Entering the National Phase

[21] **2,964,904**
[13] A1

[51] **Int.Cl. B65G 51/34 (2006.01) B65G 51/26 (2006.01) B65G 51/44 (2006.01) B65G 51/46 (2006.01)**

[25] EN

[54] **MULTIPLE DOCK STATION FOR PNEUMATIC TRANSPORT SYSTEM**

[54] **POSTE A QUAIS MULTIPLES POUR SYSTEME DE TRANSPORT PNEUMATIQUE**

[72] GROSS, DANIEL ROBERT, US
[72] PARISH, DAVID WARREN, US
[72] SERAFIN, DANIEL JOHN, US
[71] TRANSLOGIC CORPORATION, US
[85] 2017-04-18
[86] 2015-10-02 (PCT/US2015/053832)
[87] (WO2016/054576)
[30] US (62/058,781) 2014-10-02
[30] US (62/189,366) 2015-07-07

[21] **2,964,920**
[13] A1

[51] **Int.Cl. C08K 5/1515 (2006.01) C08J 3/18 (2006.01) C08L 27/06 (2006.01)**

[25] EN

[54] **PLASTICIZER COMPOSITIONS AND METHODS FOR MAKING PLASTICIZER COMPOSITIONS**

[54] **COMPOSITIONS DE PLASTIFIANT ET PROCEDES DE PREPARATION DE COMPOSITIONS DE PLASTIFIANT**

[72] GHOSH-DASTIDAR, ABHIJIT, US
[72] MUNDRA, MANISH, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2017-04-18
[86] 2015-10-14 (PCT/US2015/055482)
[87] (WO2016/069266)
[30] US (62/068,864) 2014-10-27

[21] **2,964,973**
[13] A1

[51] **Int.Cl. C08G 77/38 (2006.01) C11D 3/37 (2006.01) C11D 7/22 (2006.01)**

[25] EN

[54] **SILICONE COMPOUNDS**

[54] **COMPOSES DE SILICONE**

[72] PANANDIKER, RAJAN KESHAV, US
[72] KLUESENER, BERNARD WILLIAM, US
[72] TRUJILLO, RAFAEL, US
[72] LIU, ZAIYOU, US
[72] LANGEVIN, REBECCA ANN, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2017-04-18
[86] 2015-11-12 (PCT/US2015/060256)
[87] (WO2016/077513)
[30] US (62/079,730) 2014-11-14
[30] US (62/136,652) 2015-03-23
[30] US (62/175,455) 2015-06-15
[30] US (62/184,977) 2015-06-26

[21] **2,965,006**
[13] A1

[51] **Int.Cl. B32B 7/06 (2006.01) B32B 27/08 (2006.01) B32B 27/32 (2006.01) B65D 65/40 (2006.01)**

[25] EN

[54] **TRANSPARENT POLYOLEFIN FILM**

[54] **FILM EN POLYOLEFINE TRANSPARENT**

[72] HUTT, DETLEF, DE
[72] ROTH, MATHIAS, DE
[71] TREFAN GERMANY GMBH & CO. KG, DE
[85] 2017-04-19
[86] 2015-10-29 (PCT/EP2015/002163)
[87] (WO2016/066268)
[30] DE (10 2014 015 929.9) 2014-10-30

[21] **2,965,035**
[13] A1

[51] **Int.Cl. D04H 1/407 (2012.01) D04H 1/4266 (2012.01) B01J 20/24 (2006.01) C02F 1/28 (2006.01)**

[25] FR

[54] **USE OF A COMPOSITE TEXTILE OF NATURAL AND/OR SYNTHETIC AND/OR ARTIFICIAL FIBRES AND LIGNOCELLULOSE PARTICLES FOR TRAPPING THE METALS AND/OR METALLOIDS AND/OR RADIONUCLIDES AND/OR BIOCIDES PRESENT IN WATER**

[54] **UTILISATION D'UN TEXTILE COMPOSITE DE FIBRES NATURELLES ET/OU SYNTHETIQUES ET/OU ARTIFICIELLES ET DE PARTICULES LIGNO-CELLULOSIQUES POUR PIEGER LES METAUX ET/OU LES METALLOIDES ET/OU LES RADIONUCLEIDES ET/OU LES BIOCIDES PRESENTS DANS L'EAU**

[72] JAUBERTY, LOIC, FR
[72] DEVOS, PHILIPPE, FR
[71] PE@RL, FR
[85] 2017-04-19
[86] 2015-10-20 (PCT/EP2015/074274)
[87] (WO2016/062723)
[30] FR (1460092) 2014-10-20

[21] **2,965,037**
[13] A1

[51] **Int.Cl. D04H 1/407 (2012.01) D04H 1/4266 (2012.01) B01J 20/24 (2006.01) C02F 1/28 (2006.01)**

[25] FR

[54] **COMPOSITE TEXTILE CONSISTING OF NATURAL AND/OR SYNTHETIC AND/OR ARTIFICIAL FIBRES AND LIGNOCELLULOSIC PARTICLES**

[54] **TEXTILE COMPOSITE DE FIBRES NATURELLES ET/OU SYNTHETIQUES ET/OU ARTIFICIELLES ET DE PARTICULES LIGNO-CELLULOSIQUES**

[72] JAUBERTY, LOIC, FR
[72] DEVOS, PHILIPPE, FR
[71] PE@RL, FR
[85] 2017-04-19
[86] 2015-10-20 (PCT/EP2015/074275)
[87] (WO2016/062724)
[30] FR (1460092) 2014-10-20

Demandes PCT entrant en phase nationale

[21] **2,965,039**
[13] A1

[51] **Int.Cl. H02G 11/00 (2006.01) H01B 7/04 (2006.01)**

[25] EN

[54] **ELECTRIC ENERGY TRANSMISSION TETHER FOR AN AIRBORNE WIND POWER STATION**

[54] **ATTACHE DE TRANSMISSION D'ENERGIE ELECTRIQUE POUR UNE CENTRALE EOLIENNE AEROPORTEE**

[72] NEUHOLD, STEFAN, CH
[71] NEUHOLD, STEFAN, CH

[85] 2017-04-19
[86] 2015-10-21 (PCT/EP2015/074296)
[87] (WO2016/062735)
[30] EP (14189788.4) 2014-10-21

[21] **2,965,049**
[13] A1

[51] **Int.Cl. B66B 13/02 (2006.01) B66B 13/04 (2006.01) B66B 13/12 (2006.01)**

[25] EN

[54] **DOOR SYSTEM FOR AN ELEVATOR INSTALLATION**

[54] **SYSTEME DE PORTE D'ASCENSEUR**

[72] KUPPELWIESER, RALPH, CH
[72] LUTHI, ERNST, CH
[72] VONAESCH, JONAS, CH
[71] INVENTIO AG, CH

[85] 2017-04-19
[86] 2015-10-23 (PCT/EP2015/074558)
[87] (WO2016/062840)
[30] EP (14190022.5) 2014-10-23

[21] **2,965,050**
[13] A1

[51] **Int.Cl. B66B 13/02 (2006.01) B66B 13/12 (2006.01)**

[25] EN

[54] **DOOR SYSTEM FOR AN ELEVATOR INSTALLATION**

[54] **SYSTEME DE PORTE D'ASCENSEUR**

[72] KUPPEL WIESER, RALPH, CH
[72] LUTHI, ERNST, CH
[72] VONAESCH, JONAS, CH
[71] INVENTIO AG, CH

[85] 2017-04-19
[86] 2015-10-23 (PCT/EP2015/074561)
[87] (WO2016/062842)
[30] EP (14190021.7) 2014-10-23

[21] **2,965,051**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A61M 15/06 (2006.01)**

[25] EN

[54] **AEROSOL GENERATING DEVICE**

[54] **DISPOSITIF DE GENERATION D'AEROSOL**

[72] ADAIR, KYLE, GB
[71] JT INTERNATIONAL S.A., CH

[85] 2017-04-19
[86] 2015-10-27 (PCT/EP2015/074856)
[87] (WO2016/066635)
[30] EP (14190889.7) 2014-10-29

[21] **2,965,083**
[13] A1

[51] **Int.Cl. A44B 11/22 (2006.01) A41F 9/00 (2006.01) A44B 11/25 (2006.01)**

[25] EN

[54] **SUPPORT BELTS AND BUCKLING FOR SUPPORT BELTS**

[54] **CEINTURES DE SUPPORT ET BOUCLE POUR CEINTURES DE SUPPORT**

[72] BANKS, BENJAMIN, GB
[71] SBD APPAREL LTD, GB

[85] 2017-04-19
[86] 2015-08-18 (PCT/GB2015/052395)
[87] (WO2016/038330)
[30] GB (1416050.1) 2014-09-11

[21] **2,965,086**
[13] A1

[51] **Int.Cl. H01M 8/04302 (2016.01) H01M 8/04007 (2016.01) H01M 8/0606 (2016.01) C01B 3/02 (2006.01) C01B 3/06 (2006.01)**

[25] FR

[54] **METHOD OF GENERATING ELECTRICITY WITH A FUEL CELL; ASSOCIATED DEVICE**

[54] **PROCEDE DE PRODUCTION D'ELECTRICITE PAR UNE PILE A COMBUSTIBLE; DISPOSITIF ASSOCIE**

[72] GOUDON, JEAN-PHILIPPE, FR
[72] FOURNET, ARNAUD, FR
[72] YVART, PIERRE, FR
[72] GAUTIER, PHILIPPE, FR
[72] SOULIE, LAURENT, FR
[72] BOUDJEMA, FABIEN, FR
[71] AIRBUS SAFRAN LAUNCHERS SAS, FR

[71] SAFRAN POWER UNITS, FR

[85] 2017-04-19
[86] 2015-10-20 (PCT/FR2015/052819)
[87] (WO2016/062965)
[30] FR (1460100) 2014-10-21

[21] **2,965,087**
[13] A1

[51] **Int.Cl. B64F 5/23 (2017.01) G01N 1/18 (2006.01) G01N 1/20 (2006.01)**

[25] EN

[54] **METHOD OF SAMPLING DE-ICING FLUID AND SYSTEM FOR SAMPLING DE-ICING FLUID**

[54] **PROCEDE D'ECHANTILLONNAGE DE FLUIDE DE DEGIVRAGE, ET SYSTEME D'ECHANTILLONNAGE DE FLUIDE DE DEGIVRAGE**

[72] SVANEBJERG, ELO, DK
[72] VESTERGAARD, STEFAN, DK
[71] VESTERGAARD COMPANY A/S, DK

[85] 2017-04-19
[86] 2014-10-24 (PCT/IB2014/065579)
[87] (WO2016/063112)

[21] **2,965,090**
[13] A1

[51] **Int.Cl. B64D 11/00 (2006.01) A62B 25/00 (2006.01) B64D 10/00 (2006.01) B64D 25/00 (2006.01)**

[25] EN

[54] **A STOWAGE DEVICE OF EMERGENCY EQUIPMENT FOR AIRCRAFT CREWMEMBER**

[54] **DISPOSITIF DE RANGEMENT D'EQUIPEMENT D'URGENCE POUR MEMBRE D'EQUIPAGE D'AVION**

[72] SIBUET, JEAN-PHILIPPE, FR
[72] POTET, OLIVIER, FR
[71] ZODIAC AEROTECHNICS, FR

[85] 2017-04-19
[86] 2015-01-15 (PCT/IB2015/000154)
[87] (WO2016/113584)

[21] **2,965,094**
[13] A1

[51] **Int.Cl. A01B 49/02 (2006.01) A01B 49/06 (2006.01) A01B 15/04 (2006.01) A01B 21/08 (2006.01)**

[25] EN

[54] **SOIL WORKING UNIT AND METHOD**

[54] **UNITE DE TRAVAIL DU SOL ET PROCEDE ASSOCIE**

[72] SCAGLIA, SERGIO, IT
[71] AMA S.P.A., IT

[85] 2017-04-19
[86] 2015-10-10 (PCT/IB2015/057763)
[87] (WO2016/067136)
[30] IT (VR2014A0000270) 2014-10-30

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[21] **2,965,116**
[13] A1

[51] **Int.Cl. B32B 3/30 (2006.01) B01J 35/00 (2006.01) C04B 35/66 (2006.01)**

[25] EN

[54] **HIGH CAPACITY STRUCTURES AND MONOLITHS VIA PASTE IMPRINTING**

[54] **STRUCTURES ET MONOLITHES DE GRANDE CAPACITE FORMES PAR IMPRESSION DE PATE**

[72] FOWLER, TRACY A., US
[72] SMITH, THOMAS M., US
[72] CUTLER, JOSHUA I., US
[72] WALP, JENNA L., US

[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US

[85] 2017-04-19
[86] 2015-10-12 (PCT/US2015/055088)
[87] (WO2016/076994)
[30] US (62/077,977) 2014-11-11

[21] **2,965,127**
[13] A1

[51] **Int.Cl. A47J 31/40 (2006.01) B67D 7/74 (2010.01) A47J 31/36 (2006.01) A47J 31/46 (2006.01) B67D 1/08 (2006.01)**

[25] EN

[54] **MIXING CHAMBER FOR BEVERAGE MACHINE**

[54] **CHAMBRE DE MELANGE POUR MACHINE A BOISSON**

[72] GORDON, JEREMY B., US
[72] O'NEILL, CHARLES EVAN, US
[72] HEMBER, MILES, GB
[72] BECKETT, TREVOR, GB
[72] DUTREMBLE, THOMAS PAUL, US
[72] MASADA, GWYNN, US

[71] BEDFORD SYSTEMS LLC, US

[85] 2017-04-19
[86] 2015-10-20 (PCT/US2015/056321)
[87] (WO2016/064787)
[30] US (62/065,948) 2014-10-20

[21] **2,965,131**
[13] A1

[51] **Int.Cl. A47J 31/40 (2006.01) A47J 31/36 (2006.01)**

[25] EN

[54] **CARTRIDGE HOLDER FOR BEVERAGE MACHINE**

[54] **SUPPORT DE CARTOUCHE POUR MACHINE DE PREPARATION DE BOISSONS**

[72] GORDON, JEREMY B., US
[72] FEDORKA, THOMAS, US
[72] DUTREMBLE, THOMAS PAUL, US
[72] MASADA, GWYNN, US
[72] RANGE, BRADFORD, US
[72] MCHUGH, WILLIAM PHILIP, US

[71] BEDFORD SYSTEMS LLC, US

[85] 2017-04-19
[86] 2015-10-20 (PCT/US2015/056325)
[87] (WO2016/064791)
[30] US (62/065,957) 2014-10-20

[21] **2,965,123**
[13] A1

[51] **Int.Cl. A47J 31/44 (2006.01) B67D 7/80 (2010.01) A47J 31/40 (2006.01) B67D 1/08 (2006.01) F25B 21/02 (2006.01)**

[25] EN

[54] **COOLING DUCT FOR BEVERAGE MACHINE**

[54] **CONDUIT DE REFROIDISSEMENT POUR MACHINE DE PREPARATION DE BOISSONS**

[72] MACKEY, STEVEN, US
[72] CHOPRA, PRANAV, IN
[72] GRUBB, SCOTT, GB
[72] FEDORKA, THOMAS, US
[72] GAO, QIAN, US

[71] BEDFORD SYSTEMS LLC, US

[85] 2017-04-19
[86] 2015-10-20 (PCT/US2015/056308)
[87] (WO2016/064781)
[30] US (62/065,923) 2014-10-20

[21] **2,965,128**
[13] A1

[51] **Int.Cl. A47J 31/40 (2006.01) B67D 7/80 (2010.01) B67D 1/08 (2006.01) F25B 21/02 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR COOLING BEVERAGE LIQUID WITH ICE BANK**

[54] **PROCEDE ET APPAREIL DE REFROIDISSEMENT DE LIQUIDE DE BOISSON AVEC UN BLOC DE GLACE**

[72] MACKEY, STEVEN, US
[72] CHOPRA, PRANAV, IN
[72] GRUBB, SCOTT, GB
[72] FEDORKA, THOMAS, US
[72] GORDON, JEREMY B., US
[72] HINGSTON, STEPHEN, US

[71] BEDFORD SYSTEMS LLC, US

[85] 2017-04-19
[86] 2015-10-20 (PCT/US2015/056315)
[87] (WO2016/064784)
[30] US (62/065,942) 2014-10-20

[21] **2,965,133**
[13] A1

[51] **Int.Cl. A47J 31/44 (2006.01) A47J 31/00 (2006.01) A47J 31/40 (2006.01) B67D 1/08 (2006.01) F25B 21/02 (2006.01)**

[25] EN

[54] **BEVERAGE MACHINE WITH THERMOELECTRIC COOLER, HEAT PIPE AND HEAT SINK ARRANGEMENT**

[54] **MACHINE A BOISSONS DOTEES D'UN REFROIDISSEUR THERMOELECTRIQUE, AGENCEMENT DE TUYAU CALORIFERE ET DISSIPATEUR THERMIQUE**

[72] MACKEY, STEVEN, US
[72] CHOPRA, PRANAV, IN
[72] GRUBB, SCOTT, GB
[72] FEDORKA, THOMAS, US
[72] GAO, QIAN, US
[72] GORDON, JEREMY B., US

[71] BEDFORD SYSTEMS LLC, US

[85] 2017-04-19
[86] 2015-10-20 (PCT/US2015/056306)
[87] (WO2016/064779)
[30] US (62/065,914) 2014-10-20

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[21] **2,965,136**
[13] A1

[51] **Int.Cl. A47J 31/44 (2006.01) A47J 31/40 (2006.01) B67D 1/08 (2006.01)**
[25] EN
[54] **FLOW CIRCUIT FOR CARBONATED BEVERAGE MACHINE**
[54] **CIRCUIT D'ECOULEMENT POUR MACHINE A BOISSONS GAZEUSES**
[72] GORDON, JEREMY B., US
[72] JOHNSON, BRIAN B., US
[72] RAPHAELSON, STEVEN, US
[72] LIUZZA, MARIO, US
[72] GRUBB, SCOTT, GB
[72] BECKETT, TREVOR, GB
[72] MACKEY, STEVEN, US
[72] FEDORKA, THOMAS, US
[72] NOVAK, THOMAS J., US
[72] PETERSON, PETER RAE, US
[72] HEMBER, MILES, GB
[72] CAFARO, ENRICO RAFFAELE, US
[71] BEDFORD SYSTEMS LLC, US
[85] 2017-04-19
[86] 2015-10-20 (PCT/US2015/056329)
[87] (WO2016/064794)
[30] US (62/065,966) 2014-10-20

[21] **2,965,148**
[13] A1

[51] **Int.Cl. B60C 11/24 (2006.01)**
[25] EN
[54] **VEHICLE TYRE INSPECTION INSPECTION DE PNEU DE VEHICULE**
[54] **INSPECTION DE PNEU DE VEHICULE**
[72] RHOADES, ANTHONY DAVID GEORGE, GB
[71] PRE-CHASM RESEARCH LTD, GB
[85] 2017-04-19
[86] 2015-11-20 (PCT/GB2015/053542)
[87] (WO2016/063093)

[21] **2,965,179**
[13] A1

[51] **Int.Cl. A47C 13/00 (2006.01) A47C 7/56 (2006.01) A47C 9/02 (2006.01)**
[25] EN
[54] **SEATING AND SUPPORT FURNITURE**
[54] **MEUBLE D'ASSISE ET DE SUPPORT**
[72] ZOELL, STEFAN, DE
[71] KINEMA GMBH, DE
[85] 2017-04-20
[86] 2015-10-19 (PCT/DE2015/000515)
[87] (WO2016/062298)
[30] DE (20 2014 008 314.2) 2014-10-20

[21] **2,965,188**
[13] A1

[51] **Int.Cl. H04M 3/42 (2006.01) H04M 3/51 (2006.01)**
[25] EN
[54] **A RECORDING SYSTEM FOR GENERATING A TRANSCRIPT OF A DIALOGUE**
[54] **SYSTEME D'ENREGISTREMENT PERMETTANT DE GENERER UNE TRANSCRIPTION D'UN DIALOGUE**
[72] RYAN, STEPHEN, IE
[72] CALLAN, JAMES, IE
[71] ECONIQ LIMITED, IE
[85] 2017-04-20
[86] 2015-10-05 (PCT/EP2015/072943)
[87] (WO2016/066377)
[30] EP (14191112.3) 2014-10-30

[21] **2,965,191**
[13] A1

[51] **Int.Cl. B05B 11/00 (2006.01)**
[25] EN
[54] **PUMP HEAD FOR A METERING DEVICE, METERING DEVICE AND ALSO POSSIBILITIES FOR USE**
[54] **TETE DE POMPE POUR DISPOSITIF DE DOSAGE, DISPOSITIF DE DOSAGE ET LEURS UTILISATIONS POSSIBLES**
[72] LEE, HYECK-HEE, DE
[72] STEINFELD, UTE, DE
[72] MAHLER, MARKUS, DE
[72] HOLZER, FRANK, DE
[71] F. HOLZER GMBH, DE
[85] 2017-04-20
[86] 2015-10-07 (PCT/EP2015/073198)
[87] (WO2016/062541)
[30] DE (10 2014 221 393.2) 2014-10-21

[21] **2,965,193**
[13] A1

[51] **Int.Cl. B01J 2/12 (2006.01)**
[25] EN
[54] **COATING APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE D'ENROBAGE**
[72] MOHAMMED, AFZAL-UR-RAHMAN, GB
[72] DAHMASH, EMAN, GB
[72] AHMED, JITEEN, GB
[72] DREW, THOMAS, GB
[71] ASTON UNIVERSITY, GB
[85] 2017-04-20
[86] 2015-10-19 (PCT/EP2015/074124)
[87] (WO2016/066462)
[30] GB (1419308.0) 2014-10-30
[30] GB (1508472.6) 2015-05-18

[21] **2,965,201**
[13] A1

[51] **Int.Cl. C07D 235/30 (2006.01) A61K 31/4184 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **BENZIMIDAZOL-2-AMINES AS MIDH1 INHIBITORS**
[54] **BENZIMIDAZOL-2-AMINES EN TANT QU'INHIBITEURS MIDH1**
[72] REHWINKEL, HARTMUT, DE
[72] BAUSER, MARCUS, DE
[72] ZIMMERMANN, KATJA, DE
[72] KAULFUSS, STEFAN, DE
[72] NEUHAUS, ROLAND, DE
[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[85] 2017-04-20
[86] 2015-10-20 (PCT/EP2015/074195)
[87] (WO2016/062677)
[30] EP (14190064.7) 2014-10-23

PCT Applications Entering the National Phase

[21] **2,965,204**
[13] A1

[51] **Int.Cl. A23B 7/154 (2006.01) A01N 3/00 (2006.01)**
[25] EN
[54] **METHOD FOR ANTI-SPROUTING TUBER TREATMENT WITH REDUCED AMOUNT OF CIPC**
[54] **PROCEDE DE TRAITEMENT DE TUBERCULE ANTI-GERMINATION AVEC UNE QUANTITE REDUITE DE CIPC**
[72] PIROTTE, ALAN, BE
[71] ARYSTA LIFESCIENCE BENELUX SPRL, BE
[85] 2017-04-20
[86] 2015-10-20 (PCT/EP2015/074268)
[87] (WO2016/062719)
[30] EP (14189561.5) 2014-10-20

[21] **2,965,210**
[13] A1

[51] **Int.Cl. A23B 7/154 (2006.01) A01N 3/00 (2006.01)**
[25] EN
[54] **IMPROVED TUBER STORAGE**
[54] **STOCKAGE AMELIORE DE TUBERCULES**
[72] PIROTTE, ALAN, BE
[71] ARYSTA LIFESCIENCE BENELUX SPRL, BE
[85] 2017-04-20
[86] 2015-10-20 (PCT/EP2015/074270)
[87] (WO2016/062721)
[30] EP (14189559.9) 2014-10-20

[21] **2,965,225**
[13] A1

[51] **Int.Cl. C09K 11/02 (2006.01) C09K 11/59 (2006.01) C09K 11/64 (2006.01) C04B 28/02 (2006.01)**
[25] EN
[54] **PHOTOLUMINESCENT CEMENTITIOUS COMPOSITIONS BASED ON HYDRAULIC BINDERS PARTICULARLY SUITABLE FOR USE IN SAFETY SIGNS**
[54] **COMPOSITIONS CIMENTAIRES PHOTOLUMINESCENTES A BASE DE LIANTS HYDRAULIQUES, PARTICULIEREMENT APPROPRIEES A UNE UTILISATION DANS DES SIGNALISATIONS DE SECURITE**
[72] ALFANI, ROBERTA, FR
[72] LEZZI, GIANLUCA, IT
[71] ITALCEMENTI S.P.A., IT
[85] 2017-04-20
[86] 2015-10-23 (PCT/EP2015/074633)
[87] (WO2016/062873)
[30] IT (MI2014A001829) 2014-10-23

[21] **2,965,228**
[13] A1

[51] **Int.Cl. C08F 210/02 (2006.01)**
[25] EN
[54] **ETHYLENE-PROPYLHEPTYL(METH)ACRYLATE COPOLYMERS**
[54] **COPOLYMERES D'ETHYLENE-PROPYLHEPTYL(METH)ACRYLATE**
[72] VOLLMAR, HELMUTH, DE
[72] HEUKEN, MARIA, DE
[72] MARCZEWSKI, DAWID, DE
[72] KAROS, MARVIN, DE
[72] GARCIA CASTRO, IVETTE, DE
[72] WOOD, CLAUDIA, DE
[71] BASF SE, DE
[85] 2017-04-20
[86] 2015-11-09 (PCT/EP2015/076039)
[87] (WO2016/075070)
[30] EP (14192468.8) 2014-11-10

[21] **2,965,230**
[13] A1

[51] **Int.Cl. D01D 5/12 (2006.01) C04B 16/06 (2006.01) D01D 5/088 (2006.01) D01F 6/06 (2006.01)**
[25] EN
[54] **IMPROVED POLYPROPYLENE FIBERS, METHODS FOR PRODUCING THE SAME AND USES THEREOF FOR THE PRODUCTION OF FIBER CEMENT PRODUCTS**
[54] **FIBRES DE POLYPROPYLENE AMELIOREES, PROCEDES DE PRODUCTION DE CELLES-CI ET UTILISATIONS DE CELLES-CI POUR LA PRODUCTION DE PRODUITS EN FIBROCIMENT**
[72] MOUSSAIF, NOUREDDIN, BE
[72] DE LHONEUX, BENOIT, BE
[71] ETEX SERVICES NV, BE
[85] 2017-04-20
[86] 2015-12-08 (PCT/EP2015/078911)
[87] (WO2016/096523)
[30] EP (14198561.4) 2014-12-17

[21] **2,965,234**
[13] A1

[51] **Int.Cl. B42D 25/364 (2014.01) B42D 25/328 (2014.01) B42D 25/351 (2014.01) B42D 25/378 (2014.01) B42D 25/391 (2014.01) B42D 25/405 (2014.01)**
[25] EN
[54] **SECURITY ELEMENT**
[54] **ELEMENT DE SECURITE**
[72] TOMPKIN, WAYNE ROBERT, CH
[72] WALTER, HARALD, CH
[72] STAHL, RAINER, DE
[72] SPIESS, ROUVEN, CH
[72] STAUB, RENE, CH
[71] LEONHARD KURZ STIFTUNG & CO. KG, DE
[71] OVD KINEGRAM AG, CH
[85] 2017-04-20
[86] 2015-12-02 (PCT/EP2015/078279)
[87] (WO2016/087485)
[30] DE (10 2014 117 877.7) 2014-12-04

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[21] **2,965,270**
[13] A1

[51] **Int.Cl. B43K 5/02 (2006.01) B43K 5/04 (2006.01) B43K 7/02 (2006.01) B43K 7/08 (2006.01) B43K 8/03 (2006.01)**

[25] FR
[54] **MEMBRANE DE COMPENSATION DE DIFFERENCE DE PRESSION**
[54] **PRESSURE DIFFERENCE COMPENSATION MEMBRANE**

[72] DAMIANO, ANNE-LISE, FR
[72] ALBENGE, OLIVIER, FR
[72] DEBRAUWER, CHRISTELLE, FR
[71] SOCIETE BIC, FR
[85] 2017-04-20
[86] 2015-10-22 (PCT/FR2015/052836)
[87] (WO2016/062972)
[30] FR (1460229) 2014-10-24

[21] **2,965,276**
[13] A1

[51] **Int.Cl. C08L 97/00 (2006.01)**

[25] EN
[54] **ETHER FUNCTIONALIZED LIGNIN FOR FUEL PRODUCTION**
[54] **LIGNINE A FONCTIONNALITE ETHER POUR LA PRODUCTION DE COMBUSTIBLE**

[72] SAMEC, JOSEPH, SE
[72] LOFSTEDT, JOAKIM, SE
[72] OREBOM, ALEXANDER, SE
[72] DAHLSTRAND, CHRISTIAN, SE
[72] SAWADJOON, SUPAPORN, SE
[71] REN FUEL K2B AB, SE
[85] 2017-04-20
[86] 2015-11-03 (PCT/SE2015/051155)
[87] (WO2016/072915)
[30] SE (1451311-3) 2014-11-03

[21] **2,965,293**
[13] A1

[51] **Int.Cl. C08J 7/06 (2006.01) B65D 23/02 (2006.01) C23C 16/40 (2006.01) C23C 16/46 (2006.01)**

[25] EN
[54] **METHOD FOR MAKING PET CONTAINERS WITH ENHANCED SILICON DIOXIDE BARRIER COATING**
[54] **PROCEDE DE FABRICATION DE RECIPIENTS EN PET A REVETEMENT DE BARRIERE CONTRE LE DIOXYDE DE SILICIUM**

[72] BOBROV, SERGEY B., US
[72] SCHNEIDER, MARK D., US
[71] GRAHAM PACKAGING COMPANY, L.P., US
[85] 2017-04-20
[86] 2015-09-10 (PCT/US2015/049310)
[87] (WO2016/076944)
[30] US (14/538,298) 2014-11-11

[21] **2,965,306**
[13] A1

[51] **Int.Cl. C08L 53/00 (2006.01) B29C 33/38 (2006.01) C08K 3/00 (2006.01) F28F 21/02 (2006.01) C09K 5/00 (2006.01)**

[25] EN
[54] **OLEFIN BLOCK COMPOSITE THERMALLY CONDUCTIVE MATERIALS**
[54] **MATERIAUX THERMOCONDUCTEURS COMPOSITES A BLOCS D'OLEFINE**

[72] ESSEGHIR, MOHAMED, US
[72] CHAUDHARY, BHARAT I., US
[72] COGEN, JEFFREY M., US
[72] MARCHAND, GARY R., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2017-04-20
[86] 2015-10-14 (PCT/US2015/055477)
[87] (WO2016/069265)
[30] US (62/069,873) 2014-10-29

[21] **2,965,335**
[13] A1

[51] **Int.Cl. C08F 210/02 (2006.01) C08F 4/00 (2006.01) C08J 3/24 (2006.01)**

[25] EN
[54] **POLYMERS WITH IMPROVED PROCESSABILITY FOR PIPE APPLICATIONS**
[54] **POLYMERES PRESENTANT UNE APTITUDE A LA MISE EN OEUVRE AMELIOREE POUR DES APPLICATIONS DE TUYAU**

[72] ROHATI, VIVEK, US
[72] INN, YONGWOO, US
[72] SUKHADIA, ASHISH M, US
[72] YANG, QING, US
[72] DESLAURIERS, PAUL J., US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2017-04-20
[86] 2015-10-21 (PCT/US2015/056630)
[87] (WO2016/064984)
[30] US (14/522,991) 2014-10-24

[21] **2,965,341**
[13] A1

[51] **Int.Cl. F16J 15/18 (2006.01) F16K 41/00 (2006.01) F16K 41/02 (2006.01)**

[25] EN
[54] **GAS PRESSURIZED PACKING SYSTEM FOR CONTROL VALVES**
[54] **SYSTEME DE GARNITURE COMPRIME PAR UN GAZ POUR VANNES DE COMMANDE**

[72] MCCARTY, MICHAEL WILDIE, US
[71] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2017-04-20
[86] 2015-10-21 (PCT/US2015/056621)
[87] (WO2016/064978)
[30] US (14/519,603) 2014-10-21

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[21] **2,965,371**
[13] A1

[51] **Int.Cl. C08L 71/10 (2006.01)**
[25] EN
[54] **COMPOSITION BASED ON POLY(ARYLENE ETHER KETONE) HAVING IMPROVED PROPERTIES**
[54] **COMPOSITION A BASE DE POLY(ARYLENE ETHER CETONE) AYANT DES PROPRIETES AMELIOREES**
[72] BRULE, BENOIT, FR
[72] AUDRY, RICHARD, FR
[72] PASCAL, JEROME, FR
[71] ARKEMA FRANCE, FR
[85] 2017-04-21
[86] 2015-10-09 (PCT/EP2015/073349)
[87] (WO2016/062558)
[30] FR (1460158) 2014-10-22

[21] **2,965,373**
[13] A1

[51] **Int.Cl. F23M 11/04 (2006.01) F23N 5/00 (2006.01) F23N 5/26 (2006.01)**
[25] EN
[54] **MEASURING AND CONTROLLING FLAME QUALITY IN REAL-TIME**
[54] **MESURE ET REGULATION DE LA QUALITE D'UNE FLAMME EN TEMPS REEL**
[72] DUCHARME, DAVID, US
[72] KELLEY, KREG, US
[72] HODGINS, PETER, US
[71] LUMASENSE TECHNOLOGIES HOLDINGS, INC., US
[85] 2017-04-20
[86] 2015-10-21 (PCT/US2015/056645)
[87] (WO2016/064994)
[30] US (14/522,827) 2014-10-24

[21] **2,965,394**
[13] A1

[51] **Int.Cl. B23B 47/34 (2006.01) B23Q 1/34 (2006.01) B23Q 5/32 (2006.01) B23Q 5/40 (2006.01)**
[25] FR
[54] **IMPROVED VIBRATORY MACHINING DEVICE**
[54] **DISPOSITIF D'USINAGE VIBRATOIRE AMELIORE**
[72] MASCIONTONIO, UGO, FR
[72] MORARU, GEORGE, FR
[71] CENTRE TECHNIQUE DES INDUSTRIES MECANIQUES, FR
[71] AMVALOR, FR
[85] 2017-04-21
[86] 2015-10-20 (PCT/FR2015/052818)
[87] (WO2016/062964)
[30] FR (1460174) 2014-10-22

[21] **2,965,396**
[13] A1

[51] **Int.Cl. F28F 13/00 (2006.01) B64D 33/10 (2006.01) F02C 7/14 (2006.01) F28D 1/03 (2006.01) F28F 3/02 (2006.01) F28F 27/00 (2006.01)**
[25] FR
[54] **HEAT EXCHANGER AND TURBINE ENGINE COMPRISING SUCH AN EXCHANGER**
[54] **ECHANGEUR DE CHALEUR ET TURBOMOTEUR COMPORTANT UN TEL ECHANGEUR**
[72] AOUIZERATE, GILLES YVES, FR
[72] BOUDSOCQ, BENJAMIN, FR
[72] GAUTHIER, GERARD PHILIPPE, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2017-04-21
[86] 2015-10-23 (PCT/FR2015/052855)
[87] (WO2016/066935)
[30] FR (1460461) 2014-10-30

[21] **2,965,402**
[13] A1

[51] **Int.Cl. A01C 1/02 (2006.01) A01C 1/06 (2006.01)**
[25] EN
[54] **IMPROVED METHOD FOR SEED PRIMING**
[54] **PROCEDE AMELIORE DE TREMPAGE DE SEMENCES**
[72] SHEN, TONGYUN, SE
[71] ROBUST SEED TECHNOLOGY A&F AKTIEBOLAG, SE
[85] 2017-04-21
[86] 2014-10-28 (PCT/EP2014/073116)
[87] (WO2016/066189)

[21] **2,965,407**
[13] A1

[51] **Int.Cl. H02J 3/34 (2006.01) B63H 23/24 (2006.01) H02J 3/46 (2006.01)**
[25] EN
[54] **ELECTRIC POWER GENERATING SYSTEM**
[54] **SYSTEME DE PRODUCTION D'ENERGIE ELECTRIQUE**
[72] VANSKA, KLAUS, FI
[72] POHJANHEIMO, PASI, FI
[72] KANERVA, SAMI, FI
[72] KAJAVA, MIKKO, FI
[71] ABB SCHWEIZ AG, CH
[85] 2017-04-21
[86] 2015-10-08 (PCT/EP2015/073284)
[87] (WO2016/066396)
[30] EP (14190434.2) 2014-10-27

[21] **2,965,410**
[13] A1

[51] **Int.Cl. B23D 71/04 (2006.01) B23D 79/08 (2006.01) B25F 1/00 (2006.01)**
[25] EN
[54] **FLAT FILE**
[54] **LIME PLATE**
[72] MARTIN, CHRISTOPH, DE
[71] GEORG MARTIN GMBH, DE
[85] 2017-04-21
[86] 2015-10-13 (PCT/EP2015/073718)
[87] (WO2016/062588)
[30] DE (20 2014 008 439.4) 2014-10-23

[21] **2,965,417**
[13] A1

[51] **Int.Cl. B01D 53/56 (2006.01) B01D 53/60 (2006.01) B01D 53/64 (2006.01) B01D 53/73 (2006.01) B01D 53/75 (2006.01) B01D 53/76 (2006.01) B01D 53/78 (2006.01) B01D 53/83 (2006.01) F01N 3/18 (2006.01) F23J 15/02 (2006.01) F23J 15/04 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PARTIAL REMOVAL OF CONTAMINANTS FROM PROCESS GAS STREAM**
[54] **PROCEDE ET APPAREIL POUR L'ELIMINATION PARTIELLE DE CONTAMINANTS D'UN FLUX DE GAZ DE TRANSFORMATION**
[72] SUCHAK, NARESH J. (DECEASED), DE
[71] LINDE AKTIENGESELLSCHAFT, DE
[85] 2017-04-21
[86] 2015-10-20 (PCT/EP2015/074285)
[87] (WO2016/062731)
[30] US (14/121,820) 2014-10-21
[30] EP (15180841.7) 2015-08-12

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[13] A1

[51] **Int.Cl. H01R 13/62 (2006.01) G06F 1/16 (2006.01) H01R 35/04 (2006.01) H04M 1/02 (2006.01)**
[25] EN
[54] **MAGNETIC CONNECTING APPARATUS**
[54] **DISPOSITIF DE LIAISON MAGNETIQUE**
[72] MICHELMANN, FOLKE, DE
[72] SCHICHL, MARKUS, AT
[72] SCHUSTER, ALEXANDER, DE
[71] ROSENBERGER HOCHFREQUENZTECHNIK GMBH & CO. KG, DE
[85] 2017-04-21
[86] 2015-11-10 (PCT/EP2015/076145)
[87] (WO2016/078962)
[30] DE (10 2014 116 948.4) 2014-11-19
[30] DE (10 2015 116 490.6) 2015-09-29

[21] **2,965,427**
[13] A1

[51] **Int.Cl. D21C 3/02 (2006.01) D21C 5/00 (2006.01) D21C 9/00 (2006.01) D21C 9/14 (2006.01) D21C 9/153 (2006.01) D21C 9/16 (2006.01)**
[25] EN
[54] **ENZYMATIC PROCESS COMBINED WITH HOT CAUSTIC EXTRACTION FOR THE REMOVAL OF HEMICELLOSES FROM PAPER-GRADE PULP**
[54] **PROCEDE ENZYMATIQUE COMBINE A UNE EXTRACTION CAUSTIQUE A CHAUD POUR L'ELIMINATION D'HEMICELLOSES DE LA PATE A PAPIER**
[72] LUND, HENRIK, DK
[72] LOUREIRO, PEDRO EMANUEL GARCIA, DK
[72] STAVIK, JAROSLAV, CA
[71] NOVOZYMES A/S, DK
[85] 2017-04-21
[86] 2015-11-16 (PCT/EP2015/076668)
[87] (WO2016/079045)
[30] EP (14193410.9) 2014-11-17
[30] EP (15166103.0) 2015-05-01

[21] **2,965,439**
[13] A1

[51] **Int.Cl. C08F 290/14 (2006.01)**
[25] EN
[54] **ANAEROBIC CURABLE COMPOSITIONS HAVING NOVOLAC VINYL ESTERS**
[54] **COMPOSITIONS DURCISSABLES PAR VOIE ANAEROBIE CONTENANT DES VINYLESTERS DE NOVOLAQUE**
[72] O'KANE, RUAIRI, IE
[72] BERGIN, NIAMH, IE
[72] KNEAFSEY, BRENDAN, IE
[72] BIRKETT, DAVID P., IE
[71] HENKEL IP & HOLDING GMBH, DE
[85] 2017-04-21
[86] 2015-10-16 (PCT/IB2015/002151)
[87] (WO2016/063128)
[30] GB (1418997.1) 2014-10-23

[21] **2,965,440**
[13] A1

[51] **Int.Cl. C04B 28/14 (2006.01) C04B 24/00 (2006.01) C04B 38/00 (2006.01) C04B 40/00 (2006.01) D21H 17/17 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A PREFABRICATED BUILDING MATERIAL**
[54] **PROCEDE DE FABRICATION D'UN MATERIAU DE CONSTRUCTION PREFABRIQUE**
[72] GEHRIG, UWE, DE
[72] JAHNS, EKKEHARD, DE
[72] SCHINABECK, MICHAEL, DE
[72] PICHLER, MARTIN, DE
[72] PEKMEZCI, MEHMET AKIF, TR
[72] ERGIN, MEHMET, TR
[71] BASF SE, DE
[85] 2017-04-21
[86] 2015-10-23 (PCT/EP2015/074619)
[87] (WO2016/062867)
[30] EP (14190058.9) 2014-10-23

[21] **2,965,444**
[13] A1

[51] **Int.Cl. A45C 13/10 (2006.01)**
[25] EN
[54] **CONTAINER, SUCH AS A BAG OR A LEATHER ARTICLE, COMPRISING A CLASP**
[54] **CONTENANT, TEL QU'UN SAC OU UN ARTICLE EN CUIR, COMPRENANT UN FERMOIR**
[72] BIANCONI, LUDOVICA, IT
[71] LORO PIANA S.P.A., IT
[85] 2017-04-21
[86] 2015-10-27 (PCT/IB2015/058276)
[87] (WO2016/067198)
[30] IT (TO2014A000880) 2014-10-29

[21] **2,965,448**
[13] A1

[51] **Int.Cl. B29B 15/12 (2006.01)**
[25] FR
[54] **STRANDS POWDERED BY ELECTROSTATIC METHOD**
[54] **MECHES POUDREES PAR PROCEDE ELECTROSTATIQUE**
[72] PELLET, ROMAIN, FR
[72] MERLE, GREGORY, FR
[71] PORCHER INDUSTRIES, FR
[85] 2017-04-21
[86] 2015-10-26 (PCT/EP2015/074734)
[87] (WO2016/062896)
[30] FR (1460259) 2014-10-24

[21] **2,965,468**
[13] A1

[51] **Int.Cl. B60T 15/02 (2006.01) B60T 15/18 (2006.01)**
[25] EN
[54] **BRAKE CYLINDER MAINTAINING VALVE WITH IMPROVED PRESSURE REGULATION**
[54] **CYLINDRE RECEPTEUR MAINTENANT UNE SOUPE AVEC UNE REGULATION DE PRESSION AMELIOREE**
[72] CALL, DERICK, US
[72] HUBER, HOWARD E. JR., US
[72] GRAVES, BRIAN, US
[71] NEW YORK AIR BRAKE LLC, US
[85] 2017-04-21
[86] 2014-10-24 (PCT/US2014/062217)
[87] (WO2016/064422)

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<p>[21] 2,965,471 [13] A1</p> <p>[51] Int.Cl. F16B 45/02 (2006.01) B60P 7/08 (2006.01)</p> <p>[25] EN</p> <p>[54] COUPLER FOR COUPLING A SUBSTANTIALLY ELONGATED BELT PORTION, COUPLER ASSEMBLY AND COUPLING METHOD</p> <p>[54] DISPOSITIF D'ACCOUPEMENT PERMETTANT D'ACCOUPLER UNE PARTIE DE SANGLE SENSIBLEMENT ALLONGEE, ENSEMBLE DISPOSITIF D'ACCOUPEMENT ET PROCEDE D'ACCOUPEMENT</p> <p>[72] VAN BOXTEL, LEONARDUS JOHANNES JOSEPHUS, NL</p> <p>[71] SLIM GEVONDEN B.V., NL</p> <p>[85] 2017-04-21</p> <p>[86] 2015-10-22 (PCT/NL2015/050731)</p> <p>[87] (WO2016/064272)</p> <p>[30] NL (2013670) 2014-10-23</p>	<p>[21] 2,965,491 [13] A1</p> <p>[51] Int.Cl. C04B 26/26 (2006.01) C04B 18/04 (2006.01) E01C 19/10 (2006.01)</p> <p>[25] EN</p> <p>[54] ASPHALT COMPOSITION INCLUDING FINE PARTICLES FROM BITUMEN RECOVERY</p> <p>[54] COMPOSITION D'ASPHALTE COMPRENANT DE FINES PARTICULES PROVENANT DE LA RECUPERATION DE BITUME</p> <p>[72] KRIZ, PAVEL, CA</p> <p>[72] GRANT, DANIEL, CA</p> <p>[72] BROWNIE, JOHN, CA</p> <p>[72] GALE, MARY J., CA</p> <p>[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US</p> <p>[85] 2017-04-21</p> <p>[86] 2015-10-21 (PCT/US2015/056550)</p> <p>[87] (WO2016/077040)</p> <p>[30] US (62/079,753) 2014-11-14</p> <p>[30] US (14/887,632) 2015-10-20</p>	<p>[21] 2,965,506 [13] A1</p> <p>[51] Int.Cl. C08L 75/04 (2006.01) C08J 3/18 (2006.01) C08J 9/04 (2006.01) C08K 5/521 (2006.01) C09K 21/14 (2006.01)</p> <p>[25] EN</p> <p>[54] B2 RATED ONE COMPONENT SPRAY POLYURETHANE FOAM FORMULATION FOR FENESTRATION OPENINGS</p> <p>[54] COMPOSITION DE MOUSSE DE POLYURETHANE MONOCOMPOSANT A PULVERISER CLASSE B2 POUR OUVERTURES ET FENETRES</p> <p>[72] CRAIN, STEVEN P., US</p> <p>[72] MASSUEGER, LARS, CH</p> <p>[72] BOEHM, CAROLIN, DE</p> <p>[71] DOW GLOBAL TECHNOLOGIES LLC, US</p> <p>[85] 2017-04-21</p> <p>[86] 2015-10-22 (PCT/US2015/056795)</p> <p>[87] (WO2016/069356)</p> <p>[30] US (62/072,474) 2014-10-30</p>
<p>[21] 2,965,483 [13] A1</p> <p>[51] Int.Cl. B28C 7/16 (2006.01) F16L 25/14 (2006.01)</p> <p>[25] EN</p> <p>[54] SLURRY MIXER DISCHARGE GATE ADAPTER WITH TRANSITIONING CROSS-SECTIONAL GEOMETRY</p> <p>[54] ADAPTATEUR DE GRILLE D'EVACUATION POUR MELANGEUR DE SUSPENSION DE GEOMETRIE DE SECTION TRANSVERSALE TRANSITOIRE</p> <p>[72] BROWN, STANLEY C., US</p> <p>[72] JOHNSON, STEVEN, US</p> <p>[72] SHUMWAY, CHRISTOPHER, US</p> <p>[72] PARKER, PHILLIP, US</p> <p>[72] WITTBOLD, JAMES R., US</p> <p>[71] UNITED STATES GYPSUM COMPANY, US</p> <p>[85] 2017-04-21</p> <p>[86] 2015-10-15 (PCT/US2015/055630)</p> <p>[87] (WO2016/069273)</p> <p>[30] US (62/072,654) 2014-10-30</p> <p>[30] US (14/736,510) 2015-06-11</p>	<p>[21] 2,965,497 [13] A1</p> <p>[51] Int.Cl. C08L 23/06 (2006.01) B32B 27/08 (2006.01) B32B 27/32 (2006.01) B32B 37/00 (2006.01) C08L 23/08 (2006.01)</p> <p>[25] EN</p> <p>[54] MULTILAYER FILM AND RELATED MATERIALS AND METHODS</p> <p>[54] FILM MULTICOUCHE ET MATERIAUX ET PROCEDES ASSOCIES</p> <p>[72] LEE, JONG YOUNG, US</p> <p>[72] LIN, YIJIAN, US</p> <p>[72] PATEL, RAJEN, US</p> <p>[71] DOW GLOBAL TECHNOLOGIES LLC, US</p> <p>[85] 2017-04-21</p> <p>[86] 2015-10-23 (PCT/US2015/057136)</p> <p>[87] (WO2016/069406)</p> <p>[30] US (62/072,637) 2014-10-30</p>	<p>[21] 2,965,510 [13] A1</p> <p>[51] Int.Cl. E21B 47/12 (2012.01) E21B 23/00 (2006.01) E21B 33/12 (2006.01) E21B 43/11 (2006.01)</p> <p>[25] EN</p> <p>[54] SHORT HOP COMMUNICATIONS FOR A SETTING TOOL</p> <p>[54] COMMUNICATIONS A COURTE DISTANCE POUR UN OUTIL DE POSE</p> <p>[72] SANCHEZ, JAMES S., US</p> <p>[72] O'MALLEY, EDWARD J., US</p> <p>[71] BAKER HUGHES INCORPORATED, US</p> <p>[85] 2017-04-21</p> <p>[86] 2015-10-28 (PCT/US2015/057820)</p> <p>[87] (WO2016/069747)</p> <p>[30] US (14/528,641) 2014-10-30</p>

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[21] **2,965,530**
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) A61K 31/7088 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C12N 15/12 (2006.01) C12N 15/85 (2006.01) C12N 15/87 (2006.01)**

[25] EN

[54] **TARGETING DNA VACCINES TO B CELLS**

[54] **CIBLAGE DE VACCINS A ADN SUR LES LYMPHOCYTES B**

[72] MCNEEL, DOUGLAS G., US

[72] COLLURU, VISWA, US

[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US

[85] 2017-04-21

[86] 2015-11-06 (PCT/US2015/059487)

[87] (WO2016/073864)

[30] US (62/076,987) 2014-11-07

[21] **2,965,531**
[13] A1

[51] **Int.Cl. E21B 17/08 (2006.01) E21B 33/06 (2006.01) E21B 33/08 (2006.01)**

[25] EN

[54] **ANNULAR ISOLATION DEVICE FOR MANAGED PRESSURE DRILLING**

[54] **DISPOSITIF D'ISOLATION ANNULAIRE POUR FORAGE SOUS PRESSION CONTROLÉE**

[72] LEBA, JOHN VINH, US

[72] REYNA, MARIO M., US

[72] THOMSON, GORDON, US

[72] NGUYEN, CHAU, US

[72] LEAL, JERLIB J., US

[72] DILLARD, WALTER SCOTT, US

[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US

[85] 2017-04-21

[86] 2015-11-17 (PCT/US2015/061134)

[87] (WO2016/081485)

[30] US (62/081,286) 2014-11-18

[21] **2,965,534**
[13] A1

[51] **Int.Cl. F24C 15/00 (2006.01) F24C 1/00 (2006.01) F24C 9/00 (2006.01) F24C 13/00 (2006.01) F24C 15/32 (2006.01)**

[25] EN

[54] **STEAM COOKING OVEN AND METHOD**

[54] **FOUR DE CUISSON A LA VAPEUR A SONDE THERMIQUE SITUÉE DANS LA COLONNE DE VENTILATION ET PROCÉDE DE REGULATION DE LA PRODUCTION DE VAPEUR**

[72] CUPP, TIMOTHY L., US

[72] FROCK, JEFFREY L., US

[72] SAKSENA, ATUL, US

[71] ILLINOIS TOOL WORKS INC., US

[85] 2017-04-21

[86] 2015-11-20 (PCT/US2015/061809)

[87] (WO2016/089624)

[30] US (14/561,497) 2014-12-05

[30] US (14/933,317) 2015-11-05

[21] **2,965,541**
[13] A1

[51] **Int.Cl. E21B 47/06 (2012.01) E21B 43/17 (2006.01) E21B 43/26 (2006.01)**

[25] EN

[54] **USE OF REAL-TIME PRESSURE DATA TO EVALUATE FRACTURING PERFORMANCE**

[54] **UTILISATION DE DONNEES DE PRESSION EN TEMPS REEL POUR EVALUER DES PERFORMANCES DE FRACTURATION**

[72] PORTMAN, LANCE NIGEL, US

[71] BAKER HUGHES INCORPORATED, US

[85] 2017-04-21

[86] 2015-10-27 (PCT/US2015/057578)

[87] (WO2016/069600)

[30] US (14/529,550) 2014-10-31

[21] **2,965,551**
[13] A1

[51] **Int.Cl. B63B 3/70 (2006.01) B63B 3/00 (2006.01) B63B 9/06 (2006.01) B63B 21/50 (2006.01) B63B 35/44 (2006.01)**

[25] EN

[54] **VESSEL HULL FOR USE AS A HULL OF A FLOATING HYDROCARBON STORAGE AND/OR PROCESSING PLANT, METHOD FOR PRODUCING SUCH A VESSEL HULL, VESSEL COMPRISING SUCH A VESSEL HULL, AS WELL METHOD FOR PRODUCING SUCH A VESSEL HAVING SUCH A VESSEL HULL**

[54] **COQUE DE NAVIRE POUR UNE UTILISATION EN TANT QUE COQUE D'UNE INSTALLATION DE STOCKAGE ET/OU DE TRAITEMENT D'HYDROCARBURE, PROCÉDE DE PRODUCTION D'UNE TELLE COQUE DE NAVIRE, NAVIRECOMPRENANT UNE TELLE COQUE DE NAVIRE, AINSI QUE PROCÉDE DE PRODUCTION D'UN TEL NAVIRE AYANT UNE TELLE COQUE DE NAVIRE**

[72] FELDERHOFF, JEAN-MICHEL, MC

[71] SINGLE BUOY MOORINGS INC., CH

[85] 2017-04-24

[86] 2015-08-11 (PCT/EP2015/068429)

[87] (WO2016/066295)

[30] EP (14190676.8) 2014-10-28

PCT Applications Entering the National Phase

[21] **2,965,555**
[13] A1

[51] **Int.Cl. C21D 11/00 (2006.01) B21B 1/46 (2006.01) B22D 11/12 (2006.01) B22D 11/16 (2006.01) C21D 9/52 (2006.01)**

[25] EN

[54] **METHOD FOR MINIMIZING THE GLOBAL PRODUCTION COST OF LONG METAL PRODUCTS AND PRODUCTION PLANT OPERATING ACCORDING TO SUCH METHOD.**

[54] **PROCEDE PERMETTANT DE REDUIRE AU MINIMUM LE COUT DE PRODUCTION GLOBAL DE PRODUITS METALLIQUES LONGS ET INSTALLATION DE PRODUCTION FONCTIONNANT SELON UN TEL PROCEDE**

[72] TOSCHI, FRANCESCO, IT

[71] PRIMETALS TECHNOLOGIES ITALY S.R.L., IT

[85] 2017-04-24

[86] 2015-10-16 (PCT/EP2015/073967)

[87] (WO2016/071093)

[30] EP (14425141.0) 2014-11-04

[21] **2,965,556**
[13] A1

[51] **Int.Cl. G05B 13/04 (2006.01)**

[25] EN

[54] **METHOD FOR THE PREDICTION OF TURBOMACHINE PERFORMANCES**

[54] **PROCEDE DE PREVISION DES PERFORMANCES D'UNE TURBOMACHINE**

[72] KRISHNABABU, SENTHIL, GB

[71] SIEMENS AKTIENGESSELLSCHAFT, DE

[85] 2017-04-24

[86] 2015-10-19 (PCT/EP2015/074146)

[87] (WO2016/066465)

[30] EP (14191325.1) 2014-10-31

[21] **2,965,557**
[13] A1

[51] **Int.Cl. B26F 3/00 (2006.01) B24C 5/02 (2006.01)**

[25] EN

[54] **WATER JET CUTTING DEVICE**

[54] **DISPOSITIF DE DECOUPE AU JET D'EAU**

[72] LOHRMANN, MICHAEL, DE

[72] KATHER, DANIEL, DE

[72] MULLER, MALTE, DE

[72] HERMANN, LUTZ-THOMAS, DE

[71] VOITH PATENT GMBH, DE

[85] 2017-04-24

[86] 2015-09-30 (PCT/EP2015/072563)

[87] (WO2016/062509)

[30] DE (10 2014 221 644.3) 2014-10-24

[21] **2,965,560**
[13] A1

[51] **Int.Cl. A61K 38/16 (2006.01) A61K 45/06 (2006.01) A61P 1/00 (2006.01) A61K 38/26 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND PEPTIDES HAVING DUAL GLP-1R AND GLP-2R AGONIST ACTIVITY**

[54] **COMPOSITIONS ET PEPTIDES AYANT UNE ACTIVITE AGONISTE DOUBLE POUR GLP-1R ET GLP-2R**

[72] PEDERSEN, SOREN LJUNGBERG, DK

[72] WITTELOOSTUJN, SOREN BLOK VAN, DK

[72] KONGSBAK-WISMANN, PERNILLE, DK

[72] JELSING, JACOB, DK

[72] VRANG, NIELS, DK

[71] GUBRA APS, DK

[85] 2017-04-24

[86] 2015-10-30 (PCT/EP2015/075292)

[87] (WO2016/066818)

[30] EP (14191274.1) 2014-10-31

[21] **2,965,561**
[13] A1

[51] **Int.Cl. A61K 47/56 (2017.01) A61K 9/14 (2006.01) A61K 49/00 (2006.01) C08J 3/12 (2006.01) C08J 3/24 (2006.01)**

[25] EN

[54] **A PROCESS FOR PREPARING WATER-DISPERSIBLE SINGLE-CHAIN POLYMERIC NANOPARTICLES**

[54] **PROCEDE DE PREPARATION DE NANOPARTICULES POLYMERES A UNE SEULE CHAINE DISPERSIBLES DANS L'EAU**

[72] AIERTZA OTXOTORENA, MIREN KARMELE, ES

[72] SANCHEZ ABELLA, LAURA, ES

[72] BENITO COLLADO, ANA BELEN, ES

[72] LOINAZ BORDONABE, IRAIDA, ES

[72] CABANERO, GERMAN, ES

[72] GRANDE, HANS-JURGEN, ES

[72] MARRADI, MARCO, ES

[72] GRACIA ESPANA, RAQUEL, ES

[71] FUNDACION CIDETEC, ES

[85] 2017-04-24

[86] 2015-11-02 (PCT/EP2015/075404)

[87] (WO2016/071258)

[30] EP (14382433.2) 2014-11-03

[21] **2,965,567**
[13] A1

[51] **Int.Cl. A24D 1/08 (2006.01) A24F 47/00 (2006.01)**

[25] EN

[54] **SMOKING ARTICLE COMPRISING A FRICTION IGNITABLE COMBUSTIBLE CARBONACEOUS HEAT SOURCE**

[54] **ARTICLE A FUMER COMPRENANT UNE SOURCE DE CHALEUR CARBONEE COMBUSTIBLE ALLUMABLE PAR FROTTEMENT**

[72] BATISTA, RUI NUNO, CH

[71] PHILIP MORRIS PRODUCTS S.A., CH

[85] 2017-04-24

[86] 2015-11-23 (PCT/EP2015/077397)

[87] (WO2016/079342)

[30] EP (14194370.4) 2014-11-21

Demandes PCT entrant en phase nationale

[21] **2,965,576**
[13] A1

[51] **Int.Cl. H01M 8/0202 (2016.01) C25B 9/04 (2006.01) C25B 13/04 (2006.01)**
[25] EN
[54] **BIPOLAR PLATE FOR ELECTROCHEMICAL CELLS AND METHOD FOR THE PRODUCTION THEREOF**
[54] **PLAQUE BIPOLAIRE POUR CELLULES ELECTROCHIMIQUES ET SON PROCEDE DE PRODUCTION**
[72] WEISSBECKER, VITALI, DE
[72] LEHNERT, WERNER, DE
[72] REIMER, UWE, DE
[71] FORSCHUNGSZENTRUM JULICH GMBH, DE
[85] 2017-04-24
[86] 2015-09-17 (PCT/DE2015/000466)
[87] (WO2016/070862)
[30] DE (10 2014 016 186.2) 2014-11-03

[21] **2,965,577**
[13] A1

[51] **Int.Cl. B63B 27/36 (2006.01) B63B 21/66 (2006.01) B63B 23/32 (2006.01) B63B 35/40 (2006.01) B63C 1/12 (2006.01)**
[25] FR
[54] **SYSTEME DE MISE A L'EAU ET DE RECUPERATION D'ENGIN MARIN ET SOUS-MARIN ASSISTE PAR DES PROTECTIONS INCLINABLES**
[54] **SYSTEM FOR LAUNCHING AND RECOVERING MARINE AND SUBMARINE DEVICES ASSISTED BY TILTABLE PROTECTIVE COMPONENTS**
[72] JOURDAN, MICHAEL, FR
[72] TOM, ALBERT, FR
[71] THALES, FR
[85] 2017-04-24
[86] 2015-10-23 (PCT/EP2015/074624)
[87] (WO2016/062870)
[30] FR (1402392) 2014-10-24

[21] **2,965,578**
[13] A1

[51] **Int.Cl. C08G 81/02 (2006.01) B01J 19/00 (2006.01) C07H 21/00 (2006.01) C07H 21/04 (2006.01) C08J 7/12 (2006.01) C12Q 1/68 (2006.01) C40B 50/18 (2006.01) C08F 220/56 (2006.01) C40B 40/06 (2006.01)**
[25] EN
[54] **NOVEL POLYMERS AND DNA COPOLYMER COATINGS**
[54] **NOUVEAUX POLYMERES ET REVETEMENTS DE COPOLYMERES D'ADN**
[72] BROWN, ANDREW A., GB
[72] GEORGE, WAYNE N., GB
[72] RICHEZ, ALEXANDRE, GB
[72] DINGWALL, ANNE-CECILE, GB
[72] VON HATTEN, XAVIER, GB
[71] ILLUMINA CAMBRIDGE LIMITED, GB
[85] 2017-04-24
[86] 2015-10-26 (PCT/EP2015/074759)
[87] (WO2016/066586)
[30] US (62/073,764) 2014-10-31

[21] **2,965,579**
[13] A1

[51] **Int.Cl. A24F 13/18 (2006.01) A24F 47/00 (2006.01)**
[25] EN
[54] **AN EXTINGUISHER PACKAGE FOR A SMOKING ARTICLE**
[54] **EMBALLAGE FAISANT OFFICE D'ETEIGNOIR POUR UN ARTICLE A FUMER**
[72] WANNER, PIERRE, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2017-04-24
[86] 2015-11-25 (PCT/EP2015/077694)
[87] (WO2016/083474)
[30] EP (14194800.0) 2014-11-25

[21] **2,965,580**
[13] A1

[51] **Int.Cl. B21D 7/04 (2006.01) B21D 7/16 (2006.01) B21D 43/00 (2006.01)**
[25] EN
[54] **METHOD FOR INDUCTION BEND FORMING A COMPRESSION-RESISTANT PIPE HAVING A LARGE WALL THICKNESS AND A LARGE DIAMETER**
[54] **PROCEDE DE CINTRAGE PAR INDUCTION D'UN TUBE RESISTANT A LA PRESSION DE GRANDE EPAISSEUR DE PAROI ET DE GRAND DIAMETRE**
[72] SCHAFFER, AUGUST WILHELM, DE
[71] AWS SCHAFFER TECHNOLOGIE GMBH, DE
[85] 2017-04-24
[86] 2016-04-21 (PCT/DE2016/100188)
[87] (WO2016/173583)
[30] DE (10 2015 106 570.3) 2015-04-28

[21] **2,965,585**
[13] A1

[51] **Int.Cl. B63G 8/14 (2006.01) B63C 11/48 (2006.01)**
[25] EN
[54] **SUBMERSIBLE HAVING VARIABLE LIFT DEPENDING ON THE NAVIGATION MODE**
[54] **ENGIN SOUS-MARIN A PORTANCE VARIABLE SELON LE MODE DE NAVIGATION**
[72] JOURDAN, MICHAEL, FR
[72] BOREL, CHRISTOPHE, FR
[72] BRUNET, JEAN-PHILIPPE, FR
[71] THALES, FR
[85] 2017-04-24
[86] 2015-10-21 (PCT/EP2015/074373)
[87] (WO2016/062769)
[30] FR (1402390) 2014-10-24

PCT Applications Entering the National Phase

[21] **2,965,586**
[13] A1
[51] **Int.Cl. C22B 3/24 (2006.01) C22B 3/04 (2006.01) C22B 11/06 (2006.01)**
[25] EN
[54] **PROCESS FOR RECOVERING GOLD**
[54] **PROCEDE DE RECUPERATION D'OR**
[72] LUNDSTROM, MARI, FI
[72] O'CALLAGHAN, JOHN, AU
[72] HAAKANA, TIMO, FI
[72] AHTIAINEN, RIINA, FI
[72] KARONEN, JANNE, FI
[71] OUTOTEC (FINLAND) OY, FI
[85] 2017-04-24
[86] 2015-10-29 (PCT/FI2015/050749)
[87] (WO2016/066905)
[30] FI (20145949) 2014-10-29

[21] **2,965,592**
[13] A1
[51] **Int.Cl. B01F 15/02 (2006.01) B01F 15/00 (2006.01) B44D 3/08 (2006.01) C09D 17/00 (2006.01)**
[25] EN
[54] **ASSEMBLY OF A TINTOMETRIC MACHINE AND A TROLLEY**
[54] **ENSEMBLE MACHINE TINTOMETRIQUE ET CHARIOT**
[72] DROCCO, LUCA, IT
[72] DROCCO, MARIO, IT
[71] DROCCO, LUCA, IT
[71] DROCCO, MARIO, IT
[85] 2017-04-24
[86] 2015-10-27 (PCT/IB2015/058259)
[87] (WO2016/067186)
[30] IT (TO2014A000877) 2014-10-28

[21] **2,965,596**
[13] A1
[51] **Int.Cl. B60T 13/66 (2006.01) B60T 13/68 (2006.01)**
[25] EN
[54] **ELECTRO-PNEUMATIC ASSEMBLY, PARTICULARLY FOR A PNEUMATIC BRAKING INSTALLATION FOR RAILWAY VEHICLES**
[54] **ENSEMBLE ELECTROPNEUMATIQUE, EN PARTICULIER POUR UNE INSTALLATION DE FREINAGE PNEUMATIQUE SUR DES VEHICULES DE CHEMINS DE FER**
[72] TIONE, ROBERTO, IT
[72] CAVAZZIN, ANDREA, IT
[72] GRASSO, ANGELO, IT
[71] FAIVELEY TRANSPORT ITALIA S.P.A., IT
[85] 2017-04-24
[86] 2015-11-12 (PCT/IB2015/058730)
[87] (WO2016/075642)
[30] IT (TO2014A000945) 2014-11-13

[21] **2,965,597**
[13] A1
[51] **Int.Cl. B01F 15/02 (2006.01) B01F 15/00 (2006.01) B44D 3/08 (2006.01) C09D 17/00 (2006.01)**
[25] EN
[54] **OPENABLE TINTOMETRIC MACHINE**
[54] **MACHINE TINTOMETRIQUE OUVRABLE**
[72] DROCCO, LUCA, IT
[72] DROCCO, MARIO, IT
[71] DROCCO, LUCA, IT
[71] DROCCO, MARIO, IT
[85] 2017-04-24
[86] 2015-10-27 (PCT/IB2015/058261)
[87] (WO2016/067188)
[30] IT (TO2014A000875) 2014-10-28

[21] **2,965,613**
[13] A1
[51] **Int.Cl. B65B 55/10 (2006.01) B65B 7/28 (2006.01) B65B 55/04 (2006.01)**
[25] EN
[54] **DEVICE FOR THE FILLING AND/OR CLOSING OF CONTAINERS HAVING A DRIVE SHAFT DECONTAMINATION BOX**
[54] **DISPOSITIF POUR LE REMPLISSAGE ET/OU LA FERMETURE DE CONTENANTS COMPRENANT UNE BOITE DE DECONTAMINATION D'ARBRE DE TRANSMISSION**
[72] KRAKERS, BERNARDUS ANTONIUS JOHANNES, NL
[71] JBT B&BS B.V., NL
[85] 2017-04-24
[86] 2015-11-02 (PCT/NL2015/050763)
[87] (WO2016/072847)
[30] NL (2013735) 2014-11-04

[21] **2,965,694**
[13] A1
[51] **Int.Cl. G06F 3/0481 (2013.01) G06F 3/0484 (2013.01)**
[25] EN
[54] **TAB SWEEPING AND GROUPING**
[54] **BALAYAGE ET GROUPEMENT D'ONGLETS**
[72] BARRUS, ADAM E., US
[72] CHUCHRO, PAULA J., US
[72] MCDERMOTT, LAURA J., US
[72] ZELLER, ROSE E., US
[72] YALOVSKY, MARK, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2017-04-24
[86] 2015-11-12 (PCT/US2015/060236)
[87] (WO2016/081249)
[30] US (14/543,742) 2014-11-17

Demandes PCT entrant en phase nationale

<p>[21] 2,965,699 [13] A1</p> <p>[51] Int.Cl. G06F 9/44 (2006.01) G06F 3/0485 (2013.01) G06F 3/14 (2006.01)</p> <p>[25] EN</p> <p>[54] APPLICATION COMMAND CONTROL FOR SMALL SCREEN DISPLAY</p> <p>[54] COMMANDE D'INSTRUCTION D'APPLICATION POUR UN AFFICHAGE SUR PETIT ECRAN</p> <p>[72] SETO, JULIE, US</p> <p>[72] RODRIG, MAYA, US</p> <p>[72] RISCUTIA, VLAD, US</p> <p>[72] BELL, JON, US</p> <p>[72] STEPANICH, DARRON, US</p> <p>[72] GIL, EREZ KIKIN, US</p> <p>[72] SNOOK, DEREK, US</p> <p>[72] ZHANG, HONGRUI, US</p> <p>[72] SHAW, HAN-YI, US</p> <p>[72] VOGEL, MATTHEW, US</p> <p>[72] BEBAWY, RAMY, US</p> <p>[72] RAMAN, SUNDER, US</p> <p>[72] HOOL, CHOON-MUN, US</p> <p>[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US</p> <p>[85] 2017-04-24</p> <p>[86] 2015-11-05 (PCT/US2015/059323)</p> <p>[87] (WO2016/073780)</p> <p>[30] US (62/076,368) 2014-11-06</p> <p>[30] US (14/640,573) 2015-03-06</p>	<p>[21] 2,965,701 [13] A1</p> <p>[51] Int.Cl. A61N 1/375 (2006.01) H01R 24/58 (2011.01) A61N 1/05 (2006.01) H01R 4/50 (2006.01) H01R 11/18 (2006.01) H01R 13/639 (2006.01) H01R 31/06 (2006.01) A61N 1/36 (2006.01)</p> <p>[25] EN</p> <p>[54] PERCUTANEOUS LEAD INTERFACE</p> <p>[54] INTERFACE DE DERIVATION PERCUTANEE</p> <p>[72] CALDERON, JOSEPH, US</p> <p>[72] HILLERY, EDWARD, US</p> <p>[72] LOCKHART, JOSEPH, US</p> <p>[71] THE ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH, US</p> <p>[85] 2017-04-24</p> <p>[86] 2015-11-12 (PCT/US2015/060483)</p> <p>[87] (WO2016/077649)</p> <p>[30] US (62/079,193) 2014-11-13</p>	<p>[21] 2,965,724 [13] A1</p> <p>[51] Int.Cl. B29C 45/16 (2006.01)</p> <p>[25] EN</p> <p>[54] CO-INJECTION NOZZLE COMPRISING INTEGRATED BACK-FLOW BARRIER</p> <p>[54] BUSE DE CO-INJECTION A CLAPET ANTI-RETOUR INTEGRE</p> <p>[72] MUHLEMANN, ROLF, CH</p> <p>[71] FOSTAG FORMENBAU AG, CH</p> <p>[85] 2017-04-25</p> <p>[86] 2015-09-22 (PCT/EP2015/071667)</p> <p>[87] (WO2016/071035)</p> <p>[30] CH (1714/14) 2014-11-06</p>
<p>[21] 2,965,700 [13] A1</p> <p>[51] Int.Cl. G06F 3/0482 (2013.01)</p> <p>[25] EN</p> <p>[54] CONTEXTUAL TABS IN MOBILE RIBBONS</p> <p>[54] ONGLETS CONTEXTUELS DANS DES RUBANS MOBILES</p> <p>[72] SHAW, HAN-YI, US</p> <p>[72] LIVDAHL, CHRIS R., US</p> <p>[72] SNOOK, DEREK V., US</p> <p>[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US</p> <p>[85] 2017-04-24</p> <p>[86] 2015-11-06 (PCT/US2015/059356)</p> <p>[87] (WO2016/073804)</p> <p>[30] US (62/076,250) 2014-11-06</p> <p>[30] US (14/685,688) 2015-04-14</p>	<p>[21] 2,965,706 [13] A1</p> <p>[51] Int.Cl. G06F 17/00 (2006.01) G06F 3/14 (2006.01)</p> <p>[25] EN</p> <p>[54] TAB BASED BROWSER CONTENT SHARING</p> <p>[54] PARTAGE D'UN CONTENU DE NAVIGATEUR BASE SUR UN ONGLET</p> <p>[72] PATTEN, MICHAEL J., US</p> <p>[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US</p> <p>[85] 2017-04-24</p> <p>[86] 2015-11-17 (PCT/US2015/060958)</p> <p>[87] (WO2016/085696)</p> <p>[30] US (14/554,401) 2014-11-26</p>	<p>[21] 2,965,725 [13] A1</p> <p>[51] Int.Cl. B29C 45/16 (2006.01)</p> <p>[25] EN</p> <p>[54] CO-INJECTION NOZZLE FOR AN INJECTION MOULDING DEVICE FOR PRODUCING MULTI-LAYERED INJECTION-MOULDED PRODUCTS</p> <p>[54] BUSE DE CO-INJECTION POUR UN DISPOSITIF DE MOULAGE PAR INJECTION SERVANT A FABRIQUER DES PRODUITS MOULES PAR INJECTION MULTICOUCHES</p> <p>[72] MUHLEMANN, ROLF, CH</p> <p>[71] FOSTAG FORMENBAU AG, CH</p> <p>[85] 2017-04-25</p> <p>[86] 2015-09-22 (PCT/EP2015/071668)</p> <p>[87] (WO2016/071036)</p> <p>[30] CH (01715/14) 2014-11-06</p>
<p>[21] 2,965,708 [13] A1</p> <p>[51] Int.Cl. G06F 1/16 (2006.01) H05K 7/16 (2006.01)</p> <p>[25] EN</p> <p>[54] MULTI-PIVOT HINGE</p> <p>[54] ARTICULATION A PIVOTS MULTIPLES</p> <p>[72] CAMPBELL, JOHN, US</p> <p>[72] BITZ, BRIAN, US</p> <p>[72] TAZBAZ, ERROL MARK, US</p> <p>[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US</p> <p>[85] 2017-04-24</p> <p>[86] 2015-11-17 (PCT/US2015/060959)</p> <p>[87] (WO2016/085697)</p> <p>[30] US (14/555,184) 2014-11-26</p>	<p>[21] 2,965,727 [13] A1</p> <p>[51] Int.Cl. E02B 3/02 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR ARTIFICIALLY ERODING DAMMED BODIES OF WATER</p> <p>[54] PROCEDE D'EROSION ARTIFICIELLE DE BASSINS DE RETENUE</p> <p>[72] BARTELT, DIETRICH, DE</p> <p>[71] BARTELT, DIETRICH, DE</p> <p>[85] 2017-04-25</p> <p>[86] 2015-09-18 (PCT/EP2015/071493)</p> <p>[87] (WO2016/046090)</p> <p>[30] DE (10 2014 014 009.1) 2014-09-25</p>	

PCT Applications Entering the National Phase

[21] **2,965,733**
[13] A1

[51] **Int.Cl. G06F 3/041 (2006.01) G09G 5/395 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TIMING INPUT SENSING, RENDERING, AND DISPLAY TO MINIMIZE LATENCY**
[54] **SYSTEME ET PROCEDE DE SYNCHRONISATION DE DETECTION D'ENTREE, DE RENDU ET D'AFFICHAGE POUR REDUIRE AU MAXIMUM LA LATENCE**
[72] RODRIGUES DE ARAUJO, BRUNO, CA
[72] COSTA, RICARDO JORGE JOTA, CA
[72] FORLINES, CLIFTON, CA
[71] TACTUAL LABS CO., US
[85] 2017-04-24
[86] 2015-11-18 (PCT/US2015/061364)
[87] (WO2016/081615)
[30] US (62/081,261) 2014-11-18

[21] **2,965,738**
[13] A1

[51] **Int.Cl. C22C 21/02 (2006.01) C22C 21/08 (2006.01) C22F 1/05 (2006.01)**
[25] EN
[54] **ULTRA HIGH STRENGTH 6XXX FORGED ALUMINIUM ALLOYS**
[54] **ALLIAGES D'ALUMINIUM FORGES DE SERIE 6XXX A RESISTANCE ULTRA-ELEVEE**
[72] SKUBICH, ALEXIS, CH
[72] JARRETT, MARTIN, GB
[72] BERTHERAT, MARC, CH
[71] CONSTELLIUM VALAIS SA (LTD), CH
[85] 2017-04-25
[86] 2015-11-02 (PCT/EP2015/075401)
[87] (WO2016/071257)
[30] EP (14003717.7) 2014-11-05

[21] **2,965,746**
[13] A1

[51] **Int.Cl. G07C 9/00 (2006.01)**
[25] EN
[54] **IMPROVED ACCESS CONTROL USING PORTABLE ELECTRONIC DEVICES**
[54] **CONTROLE D'ACCES AMELIORE A L'AIDE DE DISPOSITIFS ELECTRONIQUES PORTABLES**
[72] TROESCH, FLORIAN, CH
[72] FRIEDLI, PAUL, CH
[71] INVENTIO AG, CH
[85] 2017-04-25
[86] 2015-12-02 (PCT/EP2015/078275)
[87] (WO2016/087483)
[30] EP (14195829.8) 2014-12-02

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[13] A1

[51] **Int.Cl. C09D 11/101 (2014.01) C09D 11/30 (2014.01) C09D 11/34 (2014.01) C09D 11/38 (2014.01)**
[25] EN
[54] **INK COMPOSITION**
[54] **COMPOSITION D'ENCRE**
[72] VAN HOUT, RICHARD F.E., NL
[72] VAN HAMEREN, RICHARD, NL
[71] OCE-TECHNOLOGIES B.V., NL
[85] 2017-04-25
[86] 2015-12-10 (PCT/EP2015/079260)
[87] (WO2016/096603)
[30] EP (14198894.9) 2014-12-18
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[13] A1

[51] **Int.Cl. A61N 1/36 (2006.01) A61N 5/06 (2006.01) A61N 7/00 (2006.01)**
[25] EN
[54] **NEUROMODULATION DEVICE**
[54] **DISPOSITIF DE NEUROMODULATION**
[72] VILARES SANTOS CONDE, SILVIA MARGARIDA, PT
[72] JOHN CHEW, DANIEL, GB
[72] KRISTOFFER FAMM, HANS JAKOB, GB
[72] SUCENA GUARINO, MARIA PEDRO, PT
[72] HOLINSKI, BRAD, GB
[72] PATEL, SONAL, GB
[71] GALVANI BIOELECTRONICS LIMITED, GB
[71] FACULDADE DE CIENCIAS MEDICAS DA UNIVERSIDADE NOVA DE LISBOA, PT
[85] 2017-04-25
[86] 2015-11-03 (PCT/PT2015/000047)
[87] (WO2016/072875)
[30] US (62/074,136) 2014-11-03

[21] **2,965,826**
[13] A1

[51] **Int.Cl. G06F 12/00 (2006.01) G06F 9/52 (2006.01)**
[25] EN
[54] **MEMORY ACCESS BY DUAL PROCESSOR SYSTEMS**
[54] **ACCES MEMOIRE PAR SYSTEMES A PROCESSEUR DOUBLE**
[72] SINGH, ABHIJEET, US
[71] QUALCOMM TECHNOLOGIES INTERNATIONAL, LTD., GB
[85] 2017-04-25
[86] 2015-11-20 (PCT/US2015/061942)
[87] (WO2016/089628)
[30] US (14/558,147) 2014-12-02

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[51] **Int.Cl. G07F 17/32 (2006.01) G06Q 50/34 (2012.01)**
[25] EN
[54] **IN-CASINO MOBILE GAMING**
[54] **JEU SUR MOBILE DANS UN CASINO**
[72] PRICE, MELISSA, US
[72] PENA, SADAF, US
[71] CAESARS ENTERTAINMENT OPERATING COMPANY, INC., US
[85] 2017-04-25
[86] 2015-10-26 (PCT/US2015/057426)
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[30] US (62/068,758) 2014-10-26

[21] **2,965,855**
[13] A1

[51] **Int.Cl. F17C 1/16 (2006.01)**
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[54] **COMPRESSED GAS CONTAINER**
[54] **BOUTEILLE DE GAZ COMPRIME**
[72] PEGEL, SVEN, DE
[72] EISENER, RAFAEL, DE
[71] DAIMLER AG, DE
[85] 2017-04-26
[86] 2015-09-16 (PCT/EP2015/001852)
[87] (WO2016/066239)
[30] DE (10 2014 016 023.8) 2014-10-29

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[13] A1

[51] **Int.Cl. C25B 9/00 (2006.01) F28D 19/04 (2006.01) H01M 8/02 (2016.01)**
[25] EN
[54] **GASKET, APPARATUS INCORPORATING SAME AND METHOD**
[54] **JOINT D'ETANCHEITE, APPAREIL COMPRENANT CE DERNIER ET PROCEDE**
[72] SHANNON, GARY MARTIN, GB
[72] NAYLOR, ALAN ROBERT, GB
[72] DEVINE, MARTIN JOHN, GB
[71] INEOS TECHNOLOGIES SA, CH
[85] 2017-04-26
[86] 2015-10-29 (PCT/EP2015/075108)
[87] (WO2016/074937)
[30] EP (14192503.2) 2014-11-10

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[13] A1

[51] **Int.Cl. A61G 5/10 (2006.01) A47C 3/24 (2006.01) A61G 5/14 (2006.01)**
[25] EN
[54] **SEATING FURNITURE CHASSIS HAVING A HEIGHT-ADJUSTABLE SEAT SURFACE**
[54] **CHASSIS DE SIEGE AVEC UNE ASSISE POSITIONNABLE EN HAUTEUR**
[72] MACKERT, MICHAEL, DE
[71] INNOTECH MOTION GMBH, DE
[85] 2017-04-26
[86] 2016-01-06 (PCT/EP2016/050129)
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[30] DE (20 2015 100 170.3) 2015-01-15

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[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A41D 1/00 (2006.01) A41D 13/00 (2006.01) A61B 5/0205 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR USE WITH PHYSIOLOGICAL MONITORING GARMENTS**
[54] **DISPOSITIFS ET PROCEDES A UTILISER AVEC DES VETEMENTS DE SURVEILLANCE PHYSIOLOGIQUE**
[72] ALIVERTI, ANDREA, LU
[72] LONGINOTTI-BUITONI, GIANLUIGI, LU
[71] L.I.F.E. CORPORATION S.A., LU
[85] 2017-04-26
[86] 2015-10-01 (PCT/IB2015/002074)
[87] (WO2016/051268)
[30] US (62/058,519) 2014-10-01
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[13] A1

[51] **Int.Cl. A61N 5/10 (2006.01) G06Q 50/22 (2012.01)**
[25] EN
[54] **PHYSICIAN DIRECTED RADIATION TREATMENT PLANNING**
[54] **PLANIFICATION DE RADIOTHERAPIE DIRIGEE PAR UN MEDECIN**
[72] CARPENTER, COLIN MOREHOUSE, US
[72] DAVIDI, RAN, US
[72] PATTISON, ADAM J., US
[71] SIRIS MEDICAL, INC., US
[85] 2017-04-26
[86] 2015-11-02 (PCT/US2015/058658)
[87] (WO2016/070190)
[30] US (62/073,711) 2014-10-31

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[13] A1

[51] **Int.Cl. A61N 1/04 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **GEL DISPENSER FOR ELECTRODES**
[54] **DISTRIBUTEUR DE GEL POUR ELECTRODES**
[72] LAMPO, PIERRE-YVES, US
[71] EMPI, INC., US
[85] 2017-04-26
[86] 2015-11-09 (PCT/US2015/059755)
[87] (WO2016/077236)
[30] US (62/077,809) 2014-11-10

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[51] **Int.Cl. C08F 246/00 (2006.01) C08F 2/00 (2006.01) C08F 210/02 (2006.01) C08F 218/08 (2006.01) C08K 5/00 (2006.01) C08L 23/08 (2006.01) C08L 31/04 (2006.01) C08F 2/06 (2006.01) C08F 220/32 (2006.01) C08K 5/092 (2006.01) C08K 5/19 (2006.01)**
[25] EN
[54] **EPOXY GROUP-CONTAINING ETHYLENE-VINYL ACETATE COPOLYMERS**
[54] **COMPOSITIONS VULCANISABLES CONTENANT DES COPOLYMERES D'ETHYLENE-ACETATE DE VINYLE CONTENANT DES GROUPES EPOXY**
[72] TASCNER, FRANK, DE
[72] LIEBER, SUSANNA, DE
[72] FRENZEL, ULRICH, DE
[72] KALKOFEN, RAINER, DE
[72] ARNOLDI, ERIC, DE
[72] ROOS, ANDREAS, DE
[71] ARLANXEO DEUTSCHLAND GMBH, DE
[85] 2017-04-27
[86] 2015-10-14 (PCT/EP2015/073788)
[87] (WO2016/066426)
[30] EP (14191162.8) 2014-10-30

[21] **2,966,055**
[13] A1
[51] **Int.Cl. C09C 1/40 (2006.01) C01F 11/18 (2006.01) C09C 1/00 (2006.01) C09C 1/02 (2006.01)**
[25] EN
[54] **A PROCESS FOR THE PREPARATION OF FLOCCULATED FILLER PARTICLES**
[54] **PROCEDE POUR LA PREPARATION DE PARTICULES DE CHARGE FLOCULEES**
[72] SCHENKER, MICHEL, CH
[72] BURI, MATTHIAS, CH
[72] ANDERSSON, LARS, CH
[72] GANTENBEIN, DANIEL, CH
[72] GANE, PATRICK A.C., CH
[71] OMYA INTERNATIONAL AG, CH
[85] 2017-04-27
[86] 2015-10-22 (PCT/EP2015/074472)
[87] (WO2016/071117)
[30] EP (14192379.7) 2014-11-07
[30] US (62/079,662) 2014-11-14

[21] **2,966,061**
[13] A1
[51] **Int.Cl. B64G 1/24 (2006.01) B64G 1/64 (2006.01) B64G 1/00 (2006.01) B64G 1/62 (2006.01) B64G 3/00 (2006.01)**
[25] EN
[54] **SPACE DEBRIS INTERCEPTION**
[54] **INTERCEPTION DE DEBRIS SPATIAUX**
[72] REED, JAIME, GB
[72] BARRACLOUGH, SIMON, GB
[72] RATCLIFFE, ANDREW, GB
[71] AIRBUS DEFENCE AND SPACE LIMITED, GB
[85] 2017-04-27
[86] 2015-10-30 (PCT/EP2015/075335)
[87] (WO2016/066837)
[30] EP (14275222.9) 2014-10-30

[21] **2,966,062**
[13] A1
[51] **Int.Cl. B67C 3/26 (2006.01) B65B 3/06 (2006.01) B65B 39/12 (2006.01) B65B 39/14 (2006.01)**
[25] EN
[54] **DEVICE FOR INTRODUCING A MEDIUM INTO A CONTAINER**
[54] **DISPOSITIF D'INTRODUCTION D'UN MILIEU DANS UN RECIPIENT**
[72] MULLER-BROCKHAUSEN, MANSUR, DE
[72] LECHERT, FRANK, DE
[71] INDAG GESELLSCHAFT FUR INDUSTRIEBEDARF MBH & CO. BETRIEBS KG, DE
[85] 2017-04-27
[86] 2015-10-27 (PCT/EP2015/074804)
[87] (WO2016/066609)
[30] EP (14190837.6) 2014-10-29

[21] **2,966,071**
[13] A1
[51] **Int.Cl. F03B 13/26 (2006.01) F03B 17/06 (2006.01)**
[25] EN
[54] **WATER TURBINE ASSEMBLY**
[54] **ENSEMBLE TURBINE HYDRAULIQUE**
[72] MCCORMACK, VINCENT, IE
[71] GKINETIC ENERGY LIMITED, IE
[85] 2017-04-27
[86] 2015-11-02 (PCT/EP2015/075457)
[87] (WO2016/066856)
[30] GB (1419459.1) 2014-10-31

[21] **2,966,075**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FULFILLING E-COMMERCE ORDERS FROM A HIERARCHY OF FULFILMENT CENTRES**
[54] **SYSTEME ET PROCEDE POUR REALISER DES COMMANDES DE COMMERCE ELECTRONIQUE A PARTIR D'UNE HIERARCHIE DE CENTRES DE GESTION DES COMMANDES**
[72] LINDBO, SVERKER, GB
[72] WADDILOVE, JAMES, GB
[72] INGRAM-TEDD, ANDY, GB
[72] STEINER, TIMOTHY DEIGHTON, GB
[71] OCADO INNOVATION LIMITED, GB
[85] 2017-04-27
[86] 2015-11-02 (PCT/EP2015/075493)
[87] (WO2016/066859)
[30] GB (1419498.9) 2014-10-31

[21] **2,966,078**
[13] A1
[51] **Int.Cl. G09G 3/20 (2006.01)**
[25] EN
[54] **DEGRADATION CONTROL OF DISPLAY PIXELS FOR A HIGH DEFINITION DISPLAY**
[54] **REGULATION DE DEGRADATION DE PIXELS D'AFFICHAGE POUR UN AFFICHAGE A HAUTE DEFINITION**
[72] VAN DEN HERIK, BEN, LU
[72] DE BOER, MARTIN, LU
[71] GVBB HOLDINGS S.A.R.L., LU
[85] 2017-04-27
[86] 2015-10-29 (PCT/EP2015/075184)
[87] (WO2016/066775)
[30] US (14/526,924) 2014-10-29

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<p style="text-align: center;">[21] 2,966,191 [13] A1</p> <p>[51] Int.Cl. A61K 39/12 (2006.01) C07K 14/145 (2006.01) C12N 15/47 (2006.01) C12N 15/85 (2006.01) C12N 15/86 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS OF USING MICRONEEDLE VACCINE FORMULATIONS TO ELICIT IN ANIMALS PROTECTIVE IMMUNITY AGAINST RABIES VIRUS</p> <p>[54] PROCEDES D'UTILISATION DE FORMULATIONS DE VACCIN PAR MICRO-AIGUILLES POUR ELICITER UNE IMMUNITE DE PROTECTION CONTRE LE VIRUS DE LA RAGE CHEZ LES ANIMAUX</p> <p>[72] CHIANG, YU-WEI, US</p> <p>[72] PRAUSNITZ, MARK R., US</p> <p>[72] DEWITT, KRISTOPHER DANIEL, US</p> <p>[72] ARYA, JAYA, US</p> <p>[71] MERIAL, INC., US</p> <p>[71] GEORGIA TECH RESEARCH CORPORATION, US</p> <p>[85] 2017-04-27</p> <p>[86] 2015-11-03 (PCT/US2015/058725)</p> <p>[87] (WO2016/073410)</p> <p>[30] US (62/074,436) 2014-11-03</p>	<p style="text-align: center;">[21] 2,966,197 [13] A1</p> <p>[51] Int.Cl. A61N 1/34 (2006.01) A61N 1/04 (2006.01) A61N 1/36 (2006.01)</p> <p>[25] EN</p> <p>[54] NON-INVASIVE NERVE STIMULATION SYSTEM</p> <p>[54] SYSTEME DE STIMULATION NERVEUSE NON INVASIF</p> <p>[72] SCHEPIS, ERIC ANTHONY, US</p> <p>[72] SARGENT, CAROLYN YEAGO, US</p> <p>[71] AVENT, INC., US</p> <p>[85] 2017-04-27</p> <p>[86] 2015-10-28 (PCT/US2015/057710)</p> <p>[87] (WO2016/069689)</p> <p>[30] US (62/073,302) 2014-10-31</p>	<p style="text-align: center;">[21] 2,966,235 [13] A1</p> <p>[51] Int.Cl. G02B 6/44 (2006.01) H01B 11/22 (2006.01)</p> <p>[25] EN</p> <p>[54] SELF-SUPPORTING OVERHEAD TELECOMMUNICATION/POWER CABLE</p> <p>[54] CABLE D'ALIMENTATION/DE TELECOMMUNICATION AERIEN AUTOPORTEUR</p> <p>[72] SIRIN, ZEKERIYA, IT</p> <p>[72] SONMEZ, BARIS, IT</p> <p>[72] DAVIES, MARTIN VINCENT, IT</p> <p>[71] PRYSMIAN S.P.A., IT</p> <p>[85] 2017-04-28</p> <p>[86] 2014-10-31 (PCT/EP2014/073497)</p> <p>[87] (WO2016/066230)</p>
		<p style="text-align: center;">[21] 2,966,239 [13] A1</p> <p>[51] Int.Cl. B29C 33/30 (2006.01) B29C 33/00 (2006.01) B29C 70/44 (2006.01) B29C 70/54 (2006.01)</p> <p>[25] EN</p> <p>[54] A SHEAR WEB MOULD SYSTEM COMPRISING VARIABLE MOULDING PLATES</p> <p>[54] SYSTEME DE MOULE POUR AME DE CISAILLEMENT COMPORTANT DES PLAQUES DE MOULAGE VARIABLES</p> <p>[72] PEDERSEN, STEVEN HAUGE, DK</p> <p>[72] RASMUSSEN, KIM ANSHOLM, DK</p> <p>[71] LM WP PATENT HOLDING A/S, DK</p> <p>[85] 2017-04-28</p> <p>[86] 2014-10-30 (PCT/EP2014/073382)</p> <p>[87] (WO2016/066207)</p>

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[21] **2,966,244**
[13] A1

[51] **Int.Cl. B01D 53/62 (2006.01) B01D 53/08 (2006.01) B01D 53/83 (2006.01) B01J 8/18 (2006.01)**
[25] EN
[54] **PROCESS FOR CAPTURING CO2 FROM A GAS STREAM**
[54] **PROCEDE DE CAPTAGE DE CO2 A PARTIR D'UN FLUX DE GAZ**
[72] SPRACHMANN, GERALD, NL
[72] VAN MOSSEL, GERARDUS ANTONIUS FRANCISCUS, NL
[72] DATHE, HENDRIK, NL
[72] PROELL, TOBIAS, AT
[72] SCHONY, GERHARD, AT
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2017-04-28
[86] 2015-11-03 (PCT/EP2015/075511)
[87] (WO2016/074980)
[30] EP (14192575.0) 2014-11-10

[21] **2,966,245**
[13] A1

[51] **Int.Cl. B66F 9/075 (2006.01) B62D 1/14 (2006.01)**
[25] EN
[54] **PEDESTRIAN TRUCK STEERING DIRECTION DE CHARIOT POUR PIETON**
[72] MCVICAR, MARTIN, IE
[72] MOFFETT, ROBERT, IE
[72] WHYTE, MARK, IE
[71] COMBILIFT, IE
[85] 2017-04-28
[86] 2015-10-27 (PCT/EP2015/074906)
[87] (WO2016/066658)
[30] GB (1419339.5) 2014-10-30

[21] **2,966,248**
[13] A1

[51] **Int.Cl. C21C 5/44 (2006.01) F27D 3/15 (2006.01)**
[25] EN
[54] **DEVICE FOR INSERTING A REFRACTORY BLOCK INTO A TAPHOLE STRUCTURE OF A METALLURGICAL VESSEL, IN PARTICULAR A BASIC OXYGEN FURNACE, AND A METHOD FOR AN AUTOMATIC SUPPLY OF THE REFRACTORY**
[54] **DISPOSITIF D'INSERTION D'UN BLOC REFRACTAIRE DANS UNE STRUCTURE DE TROU DE COULEE D'UNE CUVE METALLURGIQUE, EN PARTICULIER UN CONVERTISSEUR A OXYGENE, ET PROCEDE D'ALIMENTATION AUTOMATIQUE DU REFRACTAIRE**
[72] CARTMILL, COLIN, CA
[71] REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG, AT
[85] 2017-04-28
[86] 2015-11-03 (PCT/EP2015/075621)
[87] (WO2016/102110)
[30] EP (14199838.5) 2014-12-22

[21] **2,966,264**
[13] A1

[51] **Int.Cl. B29C 70/44 (2006.01) B29D 99/00 (2010.01) B29C 33/38 (2006.01) B29C 33/56 (2006.01)**
[25] EN
[54] **MANUFACTURE OF I-SHAPED SHEAR WEB**
[54] **FABRICATION D'UNE BANDE DE CISAILLEMENT EN FORME DE I**
[72] DE WAAL MALEFIJT, BERNARD, WILLEM, DK
[72] JESPERSEN, KLAVS, DK
[72] HAUGE PEDERSEN, STEVEN, DK
[72] NIELSEN, MICHAEL WENANI, DK
[71] LM WP PATENT HOLDING A/S, DK
[85] 2017-04-28
[86] 2015-10-30 (PCT/EP2015/075288)
[87] (WO2016/066816)
[30] EP (14191152.9) 2014-10-30

[21] **2,966,266**
[13] A1

[51] **Int.Cl. F03D 1/06 (2006.01)**
[25] EN
[54] **WIND TURBINE BLADE PROVIDED WITH SURFACE MOUNTED DEVICE**
[54] **PALE D'EOLIENNE DOTEE D'UN DISPOSITIF MONTE EN SURFACE**
[72] LEHMANN MADSEN, KRISTIAN, DK
[72] HOEG, JESPER, DK
[72] ANSHOLM RASMUSSEN, KIM, DK
[72] KILDEGAARD, CASPER, DK
[72] LAURSEN, JENS ULRICH, DK
[71] LM WP PATENT HOLDING A/S, DK
[85] 2017-04-28
[86] 2015-11-02 (PCT/EP2015/075440)
[87] (WO2016/066852)
[30] GB (1419389.0) 2014-10-31

[21] **2,966,286**
[13] A1

[51] **Int.Cl. B66B 1/34 (2006.01)**
[25] EN
[54] **METHOD FOR POST-PROCESSING A SURFACE STRUCTURE OF SHAFT MATERIAL**
[54] **PROCEDE DE TRAITEMENT ULTERIEUR D'UNE STRUCTURE DE SURFACE DU MATERIAU D'UNE CAGE D'ASCENSEUR**
[72] BITZI, RAPHAEL, CH
[72] WEINBERGER, KARL, CH
[71] INVENTIO AG, CH
[85] 2017-04-28
[86] 2015-12-14 (PCT/EP2015/079554)
[87] (WO2016/096698)
[30] EP (14198046.6) 2014-12-15

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[13] A1

[51] **Int.Cl. C07K 16/00 (2006.01) C07K 16/32 (2006.01) C07K 16/46 (2006.01) C12N 9/52 (2006.01)**
[25] EN
[54] **NOVEL METHODS FOR ENZYME MEDIATED POLYPEPTIDE CONJUGATION USING SORTASE**
[54] **NOUVEAUX PROCÉDES DE CONJUGAISON DE POLYPEPTIDES A MEDIATION PAR DES ENZYMES FAISANT APPEL A LA SORTASE**
[72] BOENITZ-DULAT, MARA, DE
[72] KRATZSCH, PETER, DE
[72] SCHATTE, MARTIN, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2017-04-28
[86] 2015-12-14 (PCT/EP2015/079617)
[87] (WO2016/096741)
[30] EP (14198532.5) 2014-12-17

[21] **2,966,289**
[13] A1

[51] **Int.Cl. C07K 16/00 (2006.01) C07K 16/32 (2006.01) C07K 16/46 (2006.01) C12N 9/52 (2006.01)**
[25] EN
[54] **ENZYMATIC ONE-POT REACTION FOR DOUBLE POLYPEPTIDE CONJUGATION IN A SINGLE STEP USING SORTASE**
[54] **REACTION MONOTOPE ENZYMATIQUE POUR LA DOUBLE CONJUGAISON DE POLYPEPTIDES EN UNE SEULE ÉTAPE A L'AIDE D'UNE SORTASE**
[72] HEINDL, DIETER, DE
[72] KOPETZKI, ERHARD, DE
[72] TIEFENTHALER, GEORG, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2017-04-28
[86] 2015-12-15 (PCT/EP2015/079692)
[87] (WO2016/096787)
[30] EP (14198534.1) 2014-12-17

[21] **2,966,292**
[13] A1

[51] **Int.Cl. C12N 9/20 (2006.01) C11D 3/386 (2006.01)**
[25] EN
[54] **DETERGENT COMPOSITIONS, LIPASE VARIANTS AND POLYNUCLEOTIDES ENCODING SAME**
[54] **COMPOSITIONS DETERGENTES, VARIANTS DE LIPASE ET POLYNUCLEOTIDES CODANT POUR CEUX-CI**
[72] BORCH, KIM, DK
[72] VIND, JESPER, DK
[71] NOVOZYMES A/S, DK
[85] 2017-04-28
[86] 2015-12-18 (PCT/EP2015/080463)
[87] (WO2016/102356)
[30] EP (14199760.1) 2014-12-22

[21] **2,966,295**
[13] A1

[51] **Int.Cl. G06K 9/78 (2006.01) B41K 1/02 (2006.01)**
[25] FR
[54] **DEVICE AND METHOD FOR RECORDING A DOCUMENT EXHIBITING A MARKING AND PAD FOR PRODUCING SUCH A MARKING**
[54] **DISPOSITIF ET PROCÉDE D'ENREGISTREMENT D'UN DOCUMENT PRESENTANT UN MARQUAGE ET TAMPON POUR REALISER UN TEL MARQUAGE**
[72] PEDRENO, JEAN-MARC, FR
[71] YOOZ, FR
[85] 2017-04-28
[86] 2015-10-27 (PCT/FR2015/052895)
[87] (WO2016/066951)
[30] FR (1460357) 2014-10-28

[21] **2,966,308**
[13] A1

[51] **Int.Cl. C12M 1/107 (2006.01) B01F 7/00 (2006.01) C12M 1/06 (2006.01) C12M 1/34 (2006.01) C12M 1/36 (2006.01)**
[25] EN
[54] **METHOD FOR OPERATING A STIRRING DEVICE AND A FERMENTER**
[54] **PROCÉDE PERMETTANT DE FAIRE FONCTIONNER UN AGITATEUR ET UN FERMENTEUR**
[72] CZWALUK, ANDREAS, DE
[71] UTS BIOGASTECHNIK GMBH, DE
[85] 2017-04-28
[86] 2015-11-05 (PCT/EP2015/075818)
[87] (WO2016/071447)
[30] DE (10 2014 116 239.0) 2014-11-07

[21] **2,966,312**
[13] A1

[51] **Int.Cl. C12M 1/107 (2006.01) B01F 3/04 (2006.01) B01F 7/00 (2006.01) C12M 1/06 (2006.01) C12M 3/00 (2006.01)**
[25] EN
[54] **STIRRER UNIT FOR A FERMENTER IN A BIOGAS PLANT**
[54] **DISPOSITIF D'AGITATION POUR UN FERMENTEUR D'UNE INSTALLATION DE BIOGAZ**
[72] CZWALUK, ANDREAS, DE
[71] UTS BIOGASTECHNIK GMBH, DE
[85] 2017-04-28
[86] 2015-11-05 (PCT/EP2015/075828)
[87] (WO2016/071454)
[30] DE (10 2014 116 242.0) 2014-11-07

[21] **2,966,353**
[13] A1

[51] **Int.Cl. G01J 1/44 (2006.01) H04N 5/378 (2011.01)**
[25] EN
[54] **CURRENT TO FREQUENCY CONVERTER**
[54] **CONVERTISSEUR COURANT-FREQUENCE**
[72] DENHAM, MARTIN S., US
[72] BOZOVICH, BRUCE E., US
[71] RAYTHEON COMPANY, US
[85] 2017-04-28
[86] 2015-11-30 (PCT/US2015/062891)
[87] (WO2016/160074)
[30] US (14/670,628) 2015-03-27

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[21] **2,966,471**
[13] A1

[51] **Int.Cl. C12N 9/24 (2006.01) C12C 1/02 (2006.01) C12C 5/00 (2006.01) C12N 9/42 (2006.01)**

[25] EN

[54] **ENZYMES FOR MALTING**

[54] **ENZYMES DE MALTAGE**

[72] POULSEN, CHARLOTTE

[72] HORSMANS, DK

[71] DUPONT NUTRITION

[71] BIOSCIENCES APS, DK

[85] 2017-05-01

[86] 2015-11-05 (PCT/EP2015/075842)

[87] (WO2016/071463)

[30] EP (14191889.6) 2014-11-05

[21] **2,966,478**
[13] A1

[51] **Int.Cl. B66B 1/46 (2006.01)**

[25] EN

[54] **TRANSPORT SYSTEM AND METHOD OF CONTROLLING SAME**

[54] **SYSTEME DE TRANSPORT ET PROCEDE DE COMMANDE ASSOCIE**

[72] TROESCH, FLORIAN, CH

[72] FRIEDLI, PAUL, CH

[71] INVENTIO AG, CH

[85] 2017-05-01

[86] 2015-12-02 (PCT/EP2015/078273)

[87] (WO2016/087481)

[30] EP (14195826.4) 2014-12-02

[21] **2,966,543**
[13] A1

[51] **Int.Cl. A23K 50/45 (2016.01) A23K 20/105 (2016.01) A23K 40/25 (2016.01)**

[25] EN

[54] **EXTRUDED PET FOOD PRODUCT**

[54] **PRODUIT ALIMENTAIRE EXTRUDE POUR ANIMAUX DOMESTIQUES**

[72] DANSET, GAETAN, FR

[72] DRELON, NICOLAS, FR

[72] ECOCHARD, CLAUDE, FR

[72] MARIANI, CLAIRE, FR

[71] MARS, INCORPORATED, US

[85] 2017-05-02

[86] 2015-11-03 (PCT/EP2015/075643)

[87] (WO2016/071367)

[30] EP (14306762.7) 2014-11-04

[21] **2,966,552**
[13] A1

[51] **Int.Cl. F24D 3/08 (2006.01) F24D 3/18 (2006.01) F24D 19/10 (2006.01) F25B 7/00 (2006.01)**

[25] EN

[54] **HEATING INSTALLATION**

[54] **INSTALLATION DE CHAUFFAGE**

[72] GORANSSON, HANS-GORAN, MT

[71] ENERGY MACHINES S.A., LU

[85] 2017-05-02

[86] 2015-11-06 (PCT/EP2015/075929)

[87] (WO2016/075044)

[30] SE (1451342-8) 2014-11-10

[21] **2,966,554**
[13] A1

[51] **Int.Cl. F24D 3/08 (2006.01) F24D 3/18 (2006.01) F24D 11/02 (2006.01) F24D 17/02 (2006.01)**

[25] EN

[54] **HEATING INSTALLATION**

[54] **INSTALLATION DE CHAUFFAGE**

[72] GORANSSON, HANS-GORAN, MT

[71] ENERGY MACHINES S.A., LU

[85] 2017-05-02

[86] 2015-11-06 (PCT/EP2015/075930)

[87] (WO2016/075045)

[30] SE (1451343-6) 2014-11-10

[21] **2,966,560**
[13] A1

[51] **Int.Cl. C01F 17/00 (2006.01) B01J 20/06 (2006.01) B01J 23/10 (2006.01) C09K 3/14 (2006.01)**

[25] EN

[54] **CERIUM OXIDE PARTICLES AND METHOD FOR PRODUCTION THEREOF**

[54] **PARTICULES D'OXYDE DE CERIUM ET LEUR PROCEDE DE PRODUCTION**

[72] OHTAKE, NAOTAKA, JP

[72] OKAZUMI, MITSUHIRO, JP

[72] OCAMPO, FABIEN, FR

[71] RHODIA OPERATIONS, FR

[85] 2017-05-02

[86] 2015-11-10 (PCT/EP2015/076272)

[87] (WO2016/075177)

[30] EP (14290344.2) 2014-11-12

[21] **2,966,562**
[13] A1

[51] **Int.Cl. C05G 3/08 (2006.01)**

[25] EN

[54] **BENZYLPROPARGYLETHER AS NITRIFICATION INHIBITORS**

[54] **ETHER BENZYLPROPARGYLIQUE UTILISE COMME INHIBITEURS DE NITRIFICATION**

[72] NAVE, BARBARA, DE

[72] DICKHAUT, JOACHIM, DE

[72] SISAY, MIHIRET TEKESTE, DE

[72] WISSEMEIER, ALEXANDER, DE

[72] ZERULLA, WOLFRAM, DE

[72] PASDA, GREGOR, DE

[72] WEIGELT, WOLFGANG, DE

[71] BASF SE, DE

[85] 2017-05-02

[86] 2015-11-13 (PCT/EP2015/076554)

[87] (WO2016/075289)

[30] EP (14 193 313.5) 2014-11-14

[30] EP (14200097.5) 2014-12-23

[30] EP (15170534.0) 2015-06-03

[21] **2,966,590**
[13] A1

[51] **Int.Cl. A61B 17/88 (2006.01) A61B 17/17 (2006.01) A61B 17/84 (2006.01)**

[25] FR

[54] **SECURE GUIDE DEVICE**

[54] **DISPOSITIF DE GUIDAGE SECURISE**

[72] VIART, GUY, FR

[72] LEROY, JEAN YVES, FR

[72] KRIER, BRICE, FR

[72] SHULLER, SEBASTIEN, FR

[71] CLARIANCE, FR

[85] 2017-05-02

[86] 2015-11-09 (PCT/FR2015/053030)

[87] (WO2016/075401)

[30] FR (1460985) 2014-11-14

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[21] 2,966,604 [13] A1	[21] 2,966,674 [13] A1	[21] 2,966,678 [13] A1
<p>[51] Int.Cl. A61M 25/00 (2006.01) A61B 5/03 (2006.01) A61J 15/00 (2006.01) A61L 29/04 (2006.01) A61L 29/12 (2006.01) A61M 25/02 (2006.01) A61N 1/05 (2006.01) A61N 1/36 (2006.01)</p> <p>[25] EN</p> <p>[54] CATHETER FOR RECOVERY OF DYSPHAGIA</p> <p>[54] CATHETER POUR REMEDIER A UNE DYSPHAGIE</p> <p>[72] MULROONEY, CONOR, GB</p> <p>[72] MATEI, VERONIKA, GB</p> <p>[71] PHAGENESIS LIMITED, GB</p> <p>[85] 2017-05-02</p> <p>[86] 2015-11-06 (PCT/GB2015/053366)</p> <p>[87] (WO2016/071703)</p> <p>[30] GB (1419792.5) 2014-11-06</p>	<p>[51] Int.Cl. B27N 3/06 (2006.01) B27N 7/00 (2006.01)</p> <p>[25] EN</p> <p>[54] WOODEN MATERIAL PANEL, IN PARTICULAR IN THE FORM OF A WOOD-PLASTIC COMPOSITE MATERIAL, AND A METHOD FOR PRODUCING THE SAME</p> <p>[54] PANNEAU DERIVE DU BOIS, EN PARTICULIER SOUS LA FORME D'UN MATERIAU COMPOSITE BOIS-PLASTIQUE, ET PROCEDE POUR SA FABRICATION</p> <p>[72] KALWA, NORBERT, DE</p> <p>[72] SIEMS, JENS, DE</p> <p>[72] LEHNHOFF, INGO, DE</p> <p>[71] FLOORING TECHNOLOGIES LTD., MT</p> <p>[85] 2017-05-03</p> <p>[86] 2015-05-13 (PCT/EP2015/060622)</p> <p>[87] (WO2016/071007)</p> <p>[30] EP (14191988.6) 2014-11-06</p> <p>[30] EP (14198757.8) 2014-12-18</p> <p>[30] EP (15153005.2) 2015-01-29</p>	<p>[51] Int.Cl. C08F 2/00 (2006.01) C08F 2/26 (2006.01) C08F 220/10 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR PRODUCING AN AQUEOUS POLYMER DISPERSION</p> <p>[54] PROCEDE DE PRODUCTION D'UNE DISPERSION DE POLYMERE AQUEUSE</p> <p>[72] BALK, ROELOF, DE</p> <p>[72] LOHMEIJER, BASTIAAN, DE</p> <p>[71] BASF SE, DE</p> <p>[85] 2017-05-03</p> <p>[86] 2015-11-03 (PCT/EP2015/075573)</p> <p>[87] (WO2016/071326)</p> <p>[30] EP (14191732.8) 2014-11-04</p>
[21] 2,966,671 [13] A1	[21] 2,966,676 [13] A1	[21] 2,966,718 [13] A1
<p>[51] Int.Cl. C07D 237/32 (2006.01) A61K 31/502 (2006.01) A61P 9/10 (2006.01) A61P 37/02 (2006.01)</p> <p>[25] EN</p> <p>[54] CRYSTALLINE FORM OF 5-AMINO-2,3-DIHYDROPTHALAZINE-1,4-DIONE SODIUM SALT, PHARMACEUTICAL PREPARATIONS CONTAINING THE SAME AND METHOD FOR THE PRODUCTION OF SAID FORM</p> <p>[54] FORME CRISTALLINE DU SEL DE SODIUM DE 5-AMINO-2,3-DIHYDROPTHALAZINE-1,4-DIONE, PREPARATIONS PHARMACEUTIQUES LA CONTENANT ET PROCEDES POUR SA PRODUCTION</p> <p>[72] MARTIN, THOMAS, DE</p> <p>[72] BREU, JOSEF, DE</p> <p>[72] BRYSCH, WOLFGANG, DE</p> <p>[72] KOSEL, DAVID, DE</p> <p>[72] LUDESCHER, BEATE, DE</p> <p>[72] NIEDERMAIER, MICHAEL, DE</p> <p>[72] VON WEGERER, JORG, DE</p> <p>[71] METRIOPHARM AG, CH</p> <p>[85] 2017-05-03</p> <p>[86] 2015-12-18 (PCT/EP2015/002555)</p> <p>[87] (WO2016/096143)</p> <p>[30] EP (14004274.8) 2014-12-18</p>	<p>[51] Int.Cl. B65G 19/00 (2006.01) B65B 35/40 (2006.01) B65B 41/02 (2006.01) B65B 41/08 (2006.01) B65B 43/12 (2006.01) B65B 43/48 (2006.01) B65G 19/02 (2006.01) B65G 47/28 (2006.01) B65G 54/02 (2006.01)</p> <p>[25] EN</p> <p>[54] TRANSPORTING APPARATUS FOR A PACKAGING MACHINE</p> <p>[54] DISPOSITIF DE TRANSPORT POUR MACHINE D'EMBALLAGE</p> <p>[72] BAECHLE, ANDREAS, DE</p> <p>[71] ROBERT BOSCH GMBH, DE</p> <p>[85] 2017-05-03</p> <p>[86] 2015-10-27 (PCT/EP2015/074829)</p> <p>[87] (WO2016/091446)</p> <p>[30] DE (10 2014 225 529.5) 2014-12-11</p>	<p>[51] Int.Cl. A23C 9/12 (2006.01) A23L 29/206 (2016.01) A23L 29/231 (2016.01) A23L 29/238 (2016.01) A23L 29/244 (2016.01) A23L 29/25 (2016.01) A23L 29/262 (2016.01) A23L 33/135 (2016.01) A23C 9/137 (2006.01)</p> <p>[25] EN</p> <p>[54] RECOMBINANT HOST CELL EXPRESSING BETA-GALACTOSIDASE AND/OR TRANS GALACTOSYLATING ACTIVITY DEFICIENT IN MANNANASE, CELLULASE AND PECTINASE</p> <p>[54] CELLULE HOTE RECOMBINANTE EXPRIMANT UNE ACTIVITE S-GALACTOSIDASE ET/OU DE TRANS GALACTOSYLATION DEFICIENTE EN MANNANASE, EN CELLULASE ET EN PECTINASE</p> <p>[72] LARSEN, MORTEN KROG, DK</p> <p>[72] CRAMER, JACOB FLYVHOLM, DK</p> <p>[72] LABARGE, JEREMY, DK</p> <p>[72] EISELE, THOMAS, DK</p> <p>[72] HANSEN KJER, KARINA, DK</p> <p>[71] DUPONT NUTRITION BIOSCIENCES APS, DK</p> <p>[85] 2017-05-03</p> <p>[86] 2015-11-06 (PCT/EP2015/075950)</p> <p>[87] (WO2016/071504)</p> <p>[30] GB (1419897.2) 2014-11-07</p> <p>[30] GB (1419900.4) 2014-11-07</p> <p>[30] GB (1419894.9) 2014-11-07</p> <p>[30] GB (1515645.8) 2015-09-03</p>

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[21] **2,966,721**
[13] A1

[51] **Int.Cl. A61K 8/44 (2006.01) A61Q 5/02 (2006.01) A61Q 19/10 (2006.01)**

[25] EN

[54] **COMPOSITION COMPRISING SALT OF ACYL GLUTAMATE AS PRIMARY SURFACTANT OR PRIMARY ANIONIC SURFACTANT**

[54] **COMPOSITION COMPRENANT UN SEL D'ACYLGLUTAMATE EN TANT QUE TENSIOACTIF PRIMAIRE OU TENSIOACTIF ANIONIQUE PRIMAIRE**

[72] CARNALI, JOSEPH ORESTE, US
[72] SHAH, PRAVIN, US
[72] LIU, HONGJIE, US
[72] DAVE, RAJENDRA MOHANLAL, US
[71] UNILEVER PLC, GB
[85] 2017-05-03
[86] 2015-11-12 (PCT/EP2015/076478)
[87] (WO2016/079007)
[30] EP (14193591.6) 2014-11-18

[21] **2,966,722**
[13] A1

[51] **Int.Cl. B66B 3/00 (2006.01) B66B 3/02 (2006.01)**

[25] EN

[54] **ELEVATOR SYSTEM**

[54] **SYSTEME D'ASCENSEUR**

[72] DRAEGER, OLIVER, DE
[71] THYSSENKRUPP AG, DE
[71] THYSSENKRUPP ELEVATOR AG, DE
[85] 2017-05-03
[86] 2015-11-13 (PCT/EP2015/076541)
[87] (WO2016/083159)
[30] DE (10 2014 117 373.2) 2014-11-26

[21] **2,966,764**
[13] A1

[51] **Int.Cl. B01D 15/00 (2006.01) B01D 39/20 (2006.01) B01J 20/20 (2006.01) C07K 1/14 (2006.01) C07K 1/22 (2006.01)**

[25] EN

[54] **ACTIVATED CARBON FOR THE REMOVAL OF LEACHABLES AND/OR EXTRACTABLES**

[54] **CHARBON ACTIF POUR L'ELIMINATION DE SUBSTANCES LIXIVIABLES ET/OU EXTRACTIBLES**

[72] SKUDAS, ROMAS, DE
[72] ADRIAN, KLAUS, DE
[72] EDELMANN, BIANCA, DE
[72] ANDRECHT, SVEN, DE
[72] MOYA, WILSON, US
[71] MERCK PATENT GMBH, DE
[85] 2017-05-04
[86] 2015-10-20 (PCT/EP2015/002071)
[87] (WO2016/070957)
[30] EP (14003737.5) 2014-11-06

[21] **2,966,769**
[13] A1

[51] **Int.Cl. A23F 5/48 (2006.01) A23L 2/56 (2006.01)**

[25] EN

[54] **COFFEE AROMA COMPOSITION**

[54] **COMPOSITION D'AROME DE CAFE**

[72] FU, XIAOPING, US
[72] BORLAND, CAROL, US
[71] NESTEC S.A., CH
[85] 2017-05-04
[86] 2015-08-27 (PCT/EP2015/069696)
[87] (WO2016/096172)
[30] US (62/094,196) 2014-12-19

[21] **2,966,775**
[13] A1

[51] **Int.Cl. B26D 7/18 (2006.01) B26D 7/00 (2006.01) D21F 7/00 (2006.01)**

[25] EN

[54] **AIR GUIDE PLATE FOR LEADING AWAY AN EDGE STRIP OF A MATERIAL WEB, METHOD FOR LEADING AWAY AN EDGE STRIP OF THE MATERIAL WEB, AND USE OF THE AIR GUIDE PLATE AND OF THE METHOD**

[54] **TOLE DE GUIDAGE PNEUMATIQUE D'EVACUATION D'UN RUBAN DE BORD D'UNE BANDE DE MATIERE, PROCEDE D'EVACUATION D'UN RUBAN DE BORD D'UNE BANDE DE MATIERE ET UTILISATION DE LA TOLE DE GUIDAGE PNEUMATIQUE ET DU PROCEDE**

[72] LOHRMANN, MICHAEL, DE
[72] KATHER, DANIEL, DE
[72] MULLER, MALTE, DE
[71] VOITH PATENT GMBH, DE
[85] 2017-05-04
[86] 2015-10-09 (PCT/EP2015/073324)
[87] (WO2016/071071)
[30] DE (10 2014 222 550.7) 2014-11-05

[21] **2,966,781**
[13] A1

[51] **Int.Cl. C08J 3/22 (2006.01) C08J 11/26 (2006.01) C08K 5/12 (2006.01) C08L 67/02 (2006.01) C08L 69/00 (2006.01)**

[25] EN

[54] **CONCENTRATE COMPOSITION FOR POLYMERIC CHAIN EXTENSION**

[54] **COMPOSITION DE CONCENTRE POUR ALLONGEMENT DE CHAINE POLYMERE**

[72] WARTIG, KAREN ALESSA, DE
[72] WOLF, JURGEN, DE
[72] VAN DEN ABBEELE, TIM, DE
[71] CLARIANT PLASTICS & COATINGS LTD, CH
[85] 2017-05-04
[86] 2015-10-23 (PCT/EP2015/074632)
[87] (WO2016/071127)
[30] EP (14003780.5) 2014-11-05

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<p>[21] 2,966,785 [13] A1</p>	<p>[21] 2,966,794 [13] A1</p>	<p>[21] 2,966,799 [13] A1</p>
<p>[51] Int.Cl. G02B 27/01 (2006.01) [25] EN [54] HEAD-BORNE VIEWING SYSTEM COMPRISING CROSSED OPTICS [54] SYSTEME DE VISUALISATION DE TETE A OPTIQUES CROISEES [72] ESPIE, JEAN-LUC, FR [72] DIAZ, FREDERIC, FR [71] THALES, FR [85] 2017-05-04 [86] 2015-11-03 (PCT/EP2015/075624) [87] (WO2016/071352) [30] FR (1402510) 2014-11-06</p>	<p>[51] Int.Cl. C09K 8/36 (2006.01) C09K 8/03 (2006.01) [25] EN [54] METHOD OF INCREASING LUBRICITY OF WELLBORE FLUIDS [54] PROCEDE D'AUGMENTATION DE POUVOIR LUBRIFIANT DE FLUIDES DE Puits DE FORAGE [72] GALLO, ERIK, IT [72] MERLI, LUIGI, IT [72] PIROVANO, PIERANGELO, IT [72] PRIVITERA, LETIZIA, IT [72] ECCHETTO, MASSIMO, IT [72] FLORIDI, GIOVANNI, IT [72] LI BASSI, GIUSEPPE, IT [71] LAMBERTI SPA, IT [85] 2017-05-04 [86] 2015-11-06 (PCT/EP2015/075976) [87] (WO2016/075052) [30] IT (VA2014A000033) 2014-11-12</p>	<p>[51] Int.Cl. B29C 70/76 (2006.01) B29C 41/08 (2006.01) B29C 41/20 (2006.01) B29C 65/48 (2006.01) [25] FR [54] METHOD FOR APPLYING A SEAL TO A PLATE [54] PROCEDE POUR APPLIQUER UN JOINT A UNE PLAQUE [72] MURILLO Y PACIFICO, CANDIDO, BE [72] SCAGLIOLA, GIOVANNI, BE [71] SPLIFAR, BE [85] 2017-05-04 [86] 2015-11-05 (PCT/EP2015/075854) [87] (WO2016/071468) [30] BE (2014/5051) 2014-11-05</p>
<p>[21] 2,966,789 [13] A1</p>	<p>[21] 2,966,798 [13] A1</p>	<p>[21] 2,966,801 [13] A1</p>
<p>[51] Int.Cl. E05F 5/00 (2017.01) E05F 5/02 (2006.01) [25] EN [54] A DAMPING OR RETURN DEVICE FOR SLIDING DOOR LEAVES [54] DISPOSITIF D'AMORTISSEMENT OU DE RETOUR POUR VANTAUX DE PORTE COULISSANTE [72] BORTOLUZZI, GUIDO, IT [72] GIROTTO, ADRIANO, IT [72] MOLINER, LUCIO, IT [71] BORTOLUZZI SISTEMI S.P.A., IT [85] 2017-05-04 [86] 2015-11-06 (PCT/EP2015/075973) [87] (WO2016/075050) [30] IT (MI2014U000344) 2014-11-11</p>	<p>[51] Int.Cl. C01G 45/12 (2006.01) C01G 51/00 (2006.01) C01G 53/00 (2006.01) [25] EN [54] PROCESS FOR MAKING A LITHIATED TRANSITION METAL OXIDE [54] PROCEDE DE FABRICATION D'UN OXYDE DE METAL DE TRANSITION LITHIE [72] GARELLA, DOMINIK, DE [72] KALO, BENEDIKT, DE [71] BASF SE, DE [85] 2017-05-04 [86] 2015-11-17 (PCT/EP2015/076741) [87] (WO2016/083185) [30] EP (14194991.7) 2014-11-26 [30] EP (15184057.6) 2015-09-07</p>	<p>[51] Int.Cl. A61K 9/107 (2006.01) A61K 9/50 (2006.01) A61K 38/13 (2006.01) A61P 1/00 (2006.01) A61P 1/04 (2006.01) A61P 35/00 (2006.01) [25] EN [54] COMPOSITIONS COMPRISING CYCLOSPORIN [54] COMPOSITIONS COMPRENANT DE LA CYCLOSPORINE [72] COULTER, IVAN, IE [72] AVERSA, VINCENZO, IE [72] ROSA, MONICA, IE [72] O'DONNELL, DAIRE, IE [72] RENAUD OF CALHANE, WYATT, IE [71] SIGMOID PHARMA LIMITED, IE [85] 2017-05-04 [86] 2015-11-06 (PCT/EP2015/075984) [87] (WO2016/071515) [30] GB (1419849.3) 2014-11-07 [30] EP (PCT/EP2014/074054) 2014-11-07 [30] GB (1507673.0) 2015-05-05</p>
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<p>[51] Int.Cl. A61K 8/44 (2006.01) A61Q 5/02 (2006.01) A61Q 19/10 (2006.01) [25] EN [54] LOW PH COMPOSITION COMPRISING SPECIFIC PRESERVATIVE SYSTEMS [54] COMPOSITION A FAIBLE PH COMPRENANT DES SYSTEMES DE CONSERVATION SPECIFIQUES [72] CARNALI, JOSEPH ORESTE, US [72] SHAH, PRAVIN, US [72] LIU, HONGJIE, US [71] UNILEVER PLC, GB [85] 2017-05-04 [86] 2015-11-12 (PCT/EP2015/076479) [87] (WO2016/079008) [30] EP (14193590.8) 2014-11-18</p>		

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[13] A1

[51] **Int.Cl. B03C 1/01 (2006.01) B03C 1/00 (2006.01) B03C 1/015 (2006.01) B03C 1/02 (2006.01)**

[25] EN

[54] **ENERGY INPUT DURING AGGLOMERATION FOR MAGNETIC SEPARATION**

[54] **ENTREE D'ENERGIE PENDANT L'AGGLOMERATION DE SEPARATION MAGNETIQUE**

[72] INCERA GARRIDO, GERARDO, DE

[72] SHISHKOV, IGOR, DE

[72] RIEGER, REINHOLD, DE

[72] SERNA GUERRERO, RODRIGO IVAN, DE

[72] VICUM, LARS, DE

[71] BASF SE, DE

[85] 2017-05-04

[86] 2015-11-27 (PCT/EP2015/077918)

[87] (WO2016/083575)

[30] EP (14195166.5) 2014-11-27

[21] **2,966,809**
[13] A1

[51] **Int.Cl. A23G 9/22 (2006.01) A23G 9/26 (2006.01) A23G 9/28 (2006.01) A23G 9/48 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR CUTTING OR EMBOSSED COATINGS**

[54] **APPAREIL ET PROCEDE POUR LA DECOUPE OU LE GAUFRAGE D'ENROBAGES**

[72] AMEND, THOMAS ALOISIUS VALENTINUS, US

[71] NESTEC S.A., CH

[85] 2017-05-04

[86] 2015-11-09 (PCT/EP2015/076064)

[87] (WO2016/087162)

[30] US (62/086,313) 2014-12-02

[21] **2,966,811**
[13] A1

[51] **Int.Cl. F22B 1/18 (2006.01) F22B 29/06 (2006.01) F22B 35/10 (2006.01) F22B 35/18 (2006.01) F22D 1/02 (2006.01)**

[25] EN

[54] **CONTROL METHOD FOR OPERATING A ONCE-THROUGH STEAM GENERATOR**

[54] **PROCEDE DE REGULATION DU FONCTIONNEMENT D'UN GENERATEUR DE VAPEUR A RECUPERATION DE CHALEUR**

[72] BRUCKNER, JAN, DE

[72] THOMAS, FRANK, DE

[71] SIEMENS AKTIENGESELLSCHAFT, DE

[85] 2017-05-04

[86] 2015-10-29 (PCT/EP2015/075136)

[87] (WO2016/071204)

[30] DE (102014222682.1) 2014-11-06

[21] **2,966,814**
[13] A1

[51] **Int.Cl. C12N 9/14 (2006.01)**

[25] EN

[54] **ENZYME-INHIBITOR COMPLEXES**

[54] **COMPLEXES ENZYMES-INHIBITEURS**

[72] BOSMANS, GEERTRUI, BE

[72] FIERENS, ELLEN, BE

[72] BRIJS, KRISTOF, BE

[72] DELCOUR, JAN, BE

[72] VERTE, FABIENNE, BE

[72] GEORIS, JACQUES, BE

[72] DORGEO, VALERIE, BE

[72] ARNAUT, FILIP, BE

[71] PURATOS NV, BE

[85] 2017-05-04

[86] 2015-11-26 (PCT/EP2015/077816)

[87] (WO2016/083527)

[30] BE (2014/5092) 2014-11-28

[21] **2,966,844**
[13] A1

[51] **Int.Cl. C11D 7/32 (2006.01) C11D 3/33 (2006.01) C11D 3/37 (2006.01) C11D 7/26 (2006.01)**

[25] EN

[54] **AQUEOUS SOLUTION CONTAINING COMBINATION OF COMPLEXING AGENTS**

[54] **SOLUTION AQUEUSE CONTENANT UNE COMBINAISON D'AGENTS COMPLEXANTS**

[72] REINOSO GARCIA, MARTA, DE

[72] BIEL, MARKUS CHRISTIAN, DE

[72] BOECKH, DIETER, DE

[72] LETZELTER, NATHALIE SOPHIE, GB

[72] MURKUNDE, ROHAN GOVIND, GB

[72] HUELSKOETTER, FRANK, DE

[72] GOODAL, KEVIN GEORGE, BE

[71] BASF SE, DE

[71] PROCTER & GAMBLE COMPANY, US

[85] 2017-05-04

[86] 2015-11-20 (PCT/EP2015/077194)

[87] (WO2016/083253)

[30] US (62/084,601) 2014-11-26

[21] **2,966,943**
[13] A1

[51] **Int.Cl. B01J 23/63 (2006.01) B01D 53/94 (2006.01) C01F 17/00 (2006.01)**

[25] EN

[54] **MIXED METAL OXIDE COMPOSITE FOR OXYGEN STORAGE**

[54] **COMPOSITE D'OXYDE METALLIQUE MIXTE POUR STOCKAGE D'OXYGENE**

[72] TITLBACH, SVEN, DE

[72] SCHUNK, STEPHAN A., DE

[72] MULLER, ROBERT, DE

[72] SUNDERMANN, ANDREAS, DE

[72] GOEBEL, MICHAEL, DE

[72] KARPOV, ANDREY, DE

[72] DEEBA, MICHEL, US

[72] ZHENG, XIAOLAI, US

[72] GLAUM, ROBERT, DE

[72] SCHMITZ, ANDREAS, DE

[71] BASF SE, DE

[85] 2017-05-05

[86] 2015-11-05 (PCT/EP2015/075821)

[87] (WO2016/071449)

[30] US (62/075,915) 2014-11-06

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[13] A1

[51] **Int.Cl. C12N 7/00 (2006.01) A61K 35/76 (2015.01)**

[25] EN
[54] **PHAGE THERAPY**
[54] **PHAGOTHERAPIE**
[72] POUILLOT, FLAVIE, FR
[72] BLOIS, HELENE, FR
[71] PHERECYDES PHARMA, FR
[85] 2017-05-05
[86] 2015-11-06 (PCT/EP2015/075949)
[87] (WO2016/071503)
[30] EP (14306788.6) 2014-11-07

[21] **2,966,946**
[13] A1

[51] **Int.Cl. E05F 5/00 (2017.01) E05F 5/02 (2006.01)**

[25] EN
[54] **A DAMPING OR RETURN DEVICE FOR SLIDING DOOR LEAVES OR FOR DRAWERS**
[54] **DISPOSITIF D'AMORTISSEMENT OU DE RETOUR POUR VANTAUX DE PORTES COULISSANTES OU POUR TIROIRS**
[72] BORTOLUZZI, GUIDO, IT
[72] GIROTTO, ADRIANO, IT
[72] MOLINER, LUCIO, IT
[71] BORTOLUZZI SISTEMI S.P.A., IT
[85] 2017-05-05
[86] 2015-11-06 (PCT/EP2015/075975)
[87] (WO2016/075051)
[30] IT (MI2014U000345) 2014-11-11

[21] **2,966,948**
[13] A1

[51] **Int.Cl. B42D 15/00 (2006.01) B65H 45/20 (2006.01)**

[25] EN
[54] **FAN-FOLDED PAPER WEB STACK**
[54] **BANDE PAPIER PLIEE EN ACCORDEON ET FORMANT UN EMPILEMENT**
[72] SPRICK-SCHUTTE, ANDREAS, DE
[71] SPRICK GMBH BIELEFELDER PAPIER- UND WELLPAPPENWERKE & CO., DE
[85] 2017-05-05
[86] 2015-10-27 (PCT/EP2015/002132)
[87] (WO2016/070970)
[30] DE (10 2014 016 372.5) 2014-11-06

[21] **2,966,949**
[13] A1

[51] **Int.Cl. C12M 1/107 (2006.01) C12M 1/00 (2006.01) C12M 1/02 (2006.01) C12M 1/06 (2006.01) C12M 3/00 (2006.01)**

[25] EN
[54] **TEMPERATURE CONTROL APPARATUS**
[54] **DISPOSITIF DE MISE EN TEMPERATURE**
[72] STILLER, WILFRIED, DE
[72] LUDERSEN, ULRICH, DE
[72] BALSEN, EILERT, DE
[71] XYLEM IP MANAGEMENT S.A R.L., LU
[85] 2017-05-05
[86] 2015-10-22 (PCT/EP2015/074493)
[87] (WO2016/071118)
[30] DE (10 2014 016 297.4) 2014-11-06

[21] **2,966,951**
[13] A1

[51] **Int.Cl. C11D 3/20 (2006.01) C11D 3/32 (2006.01)**

[25] EN
[54] **DETERGENT AND CLEANING AGENTS HAVING IMPROVED PERFORMANCE**
[54] **PRODUITS DE LAVAGE ET DE NETTOYAGE A EFFICACITE AMELIOREE**
[72] KROPF, CHRISTIAN, DE
[72] BLUHM, NADINE, DE
[72] UMBREIT, CHRISTIAN, DE
[72] HELLMUTH, HENDRIK, DE
[72] STROTZ, MICHAEL, DE
[72] HEGETSCHWEILER, KASPAR, DE
[71] HENKEL AG & CO. KGAA, DE
[85] 2017-05-05
[86] 2015-10-29 (PCT/EP2015/075078)
[87] (WO2016/074936)
[30] DE (10 2014 222 833.6) 2014-11-10

[21] **2,966,955**
[13] A1

[51] **Int.Cl. B25H 3/02 (2006.01) A45C 5/03 (2006.01) A45C 13/00 (2006.01)**

[25] EN
[54] **CASE FOR HOLDING TOOLS OR SMALL PARTS**
[54] **BOITIER DE RANGEMENT D'OUTILS OU DE PETITES PIECES**
[72] TIMM, FELIX, DE
[72] STARKE, JOHANNES, DE
[72] KRAUS, DANIEL, DE
[72] KOCH, SIMON, DE
[72] HOHL, WOLFGANG, DE
[71] ADOLF WURTH GMBH & CO. KG, DE
[85] 2017-05-05
[86] 2015-12-07 (PCT/EP2015/078856)
[87] (WO2016/091821)
[30] DE (10 2014 225 510.4) 2014-12-11

[21] **2,966,960**
[13] A1

[51] **Int.Cl. C07D 513/04 (2006.01) A61K 31/4365 (2006.01) A61P 31/04 (2006.01)**

[25] EN
[54] **2,3-DIHYDRO-THIAZOLO[3,2-A]PYRIDIN-5-ONE DERIVATIVES, INTERMEDIATES THEREOF, AND THEIR USE AS ANTIBACTERIAL AGENTS**
[54] **DERIVES DE 2,3-DIHYDRO-THIAZOLO [3,2-A] PYRIDIN-5-ONE, LEURS INTERMEDIARES ET LEUR UTILISATION COMME AGENTS ANTIBACTERIENS**
[72] GOOD, JAMES ARTHUR DUDLEY, GB
[72] KULEN, ANNA MARTINA, SE
[72] ALMQVIST, KLAS FREDRIK, SE
[72] CAIRNS, ANDREW GERARD, SE
[72] PONTEN, JOHN FRITIOF, SE
[71] QURETECH BIO AB, SE
[85] 2017-05-05
[86] 2015-11-13 (PCT/EP2015/076578)
[87] (WO2016/075296)
[30] SE (1451358-4) 2014-11-13

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[13] A1
[51] **Int.Cl. A01N 43/50 (2006.01) A01N 43/54 (2006.01) A01N 57/20 (2006.01) A01P 13/02 (2006.01)**
[25] EN
[54] **HERBICIDAL MIXTURES FOR CONTROLLING HERBICIDE-RESISTANT DICOTYLEDONOUS PLANTS**
[54] **MELANGES HERBICIDES POUR LUTTER CONTRE DES PLANTES DICOTYLEDONES RESISTANT AUX HERBICIDES**
[72] BELANI, RAFAEL BRUGNERA, BR
[72] GHIGLIONE, HERNAN OSCAR, BR
[72] ZAMBON, SERGIO, BR
[72] ZENY, EVERSON PEDRO, BR
[72] CONSTANTIN, JAMIL, BR
[72] DE OLIVEIRA, RUBEM SILVERIO, JR., BR
[72] BIFFE, DENIS FERNANDO, BR
[71] BASF AGRO B.V., NL
[71] UNIVERSIDADE ESTADUAL DE MARINGA, BR
[85] 2017-05-05
[86] 2015-11-23 (PCT/EP2015/077300)
[87] (WO2016/083277)
[30] US (62/083,359) 2014-11-24
[30] EP (15162901.1) 2015-04-09

[21] **2,967,082**
[13] A1
[51] **Int.Cl. C21D 9/63 (2006.01) C21D 11/00 (2006.01) F27B 9/24 (2006.01) F27B 9/40 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CONTINUOUSLY TREATING A METAL STRIP**
[54] **DISPOSITIF ET PROCEDE POUR TRAITER EN CONTINU UNE BANDE METALLIQUE**
[72] NOE, ANDREAS, DE
[72] BAUKLOH, DIETER, DE
[72] SCHAFFER, DIRK, DE
[71] BWG BERGWERK- UND WALZWERK-MASCHINENBAU GMBH, DE
[85] 2017-05-10
[86] 2015-09-09 (PCT/EP2015/070615)
[87] (WO2016/096173)
[30] DE (10 2014 118 946.9) 2014-12-18

[21] **2,967,083**
[13] A1
[51] **Int.Cl. B02C 1/02 (2006.01)**
[25] EN
[54] **MULTI-DRIVE CRUSHER**
[54] **BROYEUR A ENTRAÎNEMENT MULTIPLE**
[72] NICHOLSON, PHIL, GB
[72] WHEATLEY, MARTIN, GB
[71] SANDVIK INTELLECTUAL PROPERTY AB, SE
[85] 2017-05-10
[86] 2014-12-16 (PCT/EP2014/077901)
[87] (WO2016/095958)

[21] **2,967,085**
[13] A1
[51] **Int.Cl. A44C 17/04 (2006.01) A44B 11/00 (2006.01)**
[25] EN
[54] **ADORNING ELEMENT AND METHOD FOR MANUFACTURING THE SAME**
[54] **ELEMENT ORNANT ET SON PROCEDE DE FABRICATION**
[72] WILSER, ALEXANDER, DE
[71] ALEXANDER WILSER GMBH, DE
[85] 2017-05-10
[86] 2015-04-16 (PCT/EP2015/000795)
[87] (WO2016/074751)
[30] DE (10 2014 016 677.5) 2014-11-12

[21] **2,967,087**
[13] A1
[51] **Int.Cl. C01C 1/04 (2006.01) C01B 3/02 (2006.01)**
[25] EN
[54] **A METHOD FOR REVAMPING AN AMMONIA PLANT**
[54] **PROCEDE DE MODERNISATION D'UNE INSTALLATION DE PRODUCTION D'AMMONIAC**
[72] PANZA, SERGIO, IT
[72] BRUNI, COSTANTINO, CH
[71] CASALE SA, CH
[85] 2017-05-10
[86] 2015-09-24 (PCT/EP2015/071995)
[87] (WO2016/082973)
[30] EP (14195269.7) 2014-11-27

[21] **2,967,089**
[13] A1
[51] **Int.Cl. B41F 9/00 (2006.01) B41F 11/02 (2006.01) B41F 13/02 (2006.01) B41M 3/14 (2006.01)**
[25] EN
[54] **WEB PROCESSING SYSTEM AND METHOD FOR PROCESSING A WEB**
[54] **SYSTEME DE TRAITEMENT DE BANDE ET PROCEDE POUR LE TRAITEMENT D'UNE BANDE**
[72] OCHOA CARO, JUAN FRANCISCO, DE
[72] JANSON, OLAF, DE
[71] JT INTERNATIONAL S.A., CH
[85] 2017-05-10
[86] 2015-10-21 (PCT/EP2015/074305)
[87] (WO2016/074890)
[30] EP (14192678.2) 2014-11-11

[21] **2,967,100**
[13] A1
[51] **Int.Cl. D01B 1/14 (2006.01)**
[25] EN
[54] **METHOD FOR OBTAINING FIBRES FROM AT LEAST ONE PLANT STEM**
[54] **PROCEDE D'OBTENTION DE FIBRES A PARTIR D'AU MOINS UNE TIGE DE PLANTE**
[72] HEGER, EGON, DE
[71] MATTES & AMMANN GMBH & CO. KG, DE
[71] HEGER, EGON, DE
[85] 2017-05-10
[86] 2015-06-25 (PCT/EP2015/064381)
[87] (WO2016/074807)
[30] DE (10 2014 116 331.1) 2014-11-10

[21] **2,967,111**
[13] A1
[51] **Int.Cl. C04B 24/04 (2006.01)**
[25] EN
[54] **POLYMER HAVING POLYETHER SIDE CHAINS**
[54] **POLYMERE AVEC CHAINES LATERALES DE POLYETHER**
[72] BICHLER, MANFRED, DE
[72] WINKLBAUER, MARTIN, DE
[72] DENGLE, JOACHIM, DE
[71] BASF SE, DE
[85] 2017-05-10
[86] 2015-11-03 (PCT/EP2015/075532)
[87] (WO2016/074984)
[30] EP (14192482.9) 2014-11-10

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[13] A1

[51] **Int.Cl. B65D 43/16 (2006.01) B65D 43/22 (2006.01)**
[25] EN
[54] **CLOSURE DEVICE AND CONTAINER**
[54] **DISPOSITIF DE FERMETURE ET RECIPIENT**
[72] GOLTA, KAREL, DE
[72] ZETHOFF, MARTIN, DE
[72] HENNING, INGOMAR, DE
[72] BUTTER-JENTSCH, RALPH, DE
[72] BERTRAM, CARSTEN, DE
[71] HENKEL AG & CO. KGAA, DE
[85] 2017-05-10
[86] 2015-11-05 (PCT/EP2015/075841)
[87] (WO2016/075027)
[30] DE (10 2014 223 029.2) 2014-11-12

[21] **2,967,114**
[13] A1

[51] **Int.Cl. D06N 7/00 (2006.01)**
[25] EN
[54] **PRIMARY CARPET BACKING FOR LATEX FREE TUFTED CARPETS**
[54] **SOUS-COUCHE PRIMAIRE POUR TAPIS TUFTES SANS LATEX**
[72] VISSCHER, EDZE JAN, NL
[72] KOETSIER, ARNOLD, NL
[72] STIGTER, LEONIE, NL
[71] LOW & BONAR B.V., NL
[85] 2017-05-10
[86] 2015-11-09 (PCT/EP2015/076046)
[87] (WO2016/075072)
[30] EP (14192608.9) 2014-11-11

[21] **2,967,118**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/40 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **BINDING MOLECULES SPECIFIC FOR CD73 AND USES THEREOF**
[54] **MOLECULES DE LIAISON SPECIFIQUES DU CD73 ET LEUR UTILISATION**
[72] MINTER, RALPH, GB
[72] RUST, STEVEN, GB
[72] GUILLARD, SANDRINE, GB
[72] JERMUTUS, LUTZ U., GB
[72] HAY, CARL, US
[72] SACHSENMEIER, KRIS, US
[72] SULT, ERIN, US
[72] HUANG, QIHUI, US
[72] PAVLIK, PETER, US
[72] DAMSCHRODER, MELISSA, US
[72] CHENG, LI, US

[72] DIETRICH, GUNDO, US
[72] RIOS-DORIA, JONATHAN, US
[72] HAMMOND, SCOTT A., US
[72] HOLLINGSWORTH, ROBERT E., US
[72] DURHAM, NICHOLAS M., US
[72] LEOW, CHING CHING, US
[72] ANTONYSAMY, MARY, US
[72] GEOGHEGAN, JAMES, US
[72] LU, XIAOJUN, US
[72] ROSENTHAL, KIM, US
[71] MEDIMMUNE LIMITED, GB
[85] 2017-05-10
[86] 2015-11-09 (PCT/EP2015/076111)
[87] (WO2016/075099)
[30] US (62/077,486) 2014-11-10
[30] US (62/147,329) 2015-04-14
[30] US (62/188,,999) 2015-07-06

[21] **2,967,119**
[13] A1

[51] **Int.Cl. C22B 7/00 (2006.01) C22B 15/00 (2006.01)**
[25] EN
[54] **PLASMA AND OXYGEN FIRED FURNACE**
[54] **FOUR A PLASMA ET OXYGEN**
[72] HEULENS, JEROEN, BE
[72] DE COOMAN, BART, BE
[72] QUIX, MAARTEN, BE
[71] UMICORE, BE
[85] 2017-05-10
[86] 2015-11-10 (PCT/EP2015/076130)
[87] (WO2016/078959)
[30] EP (14193771.4) 2014-11-19

[21] **2,967,124**
[13] A1

[51] **Int.Cl. A61M 11/00 (2006.01) A61M 15/00 (2006.01) B05B 17/06 (2006.01)**
[25] EN
[54] **NEBULISATION OF LIQUIDS**
[54] **NEBULISATION DE LIQUIDES**
[72] REBOUD, JULIEN, GB
[72] WILSON, ROBERT, GB
[72] COOPER, JONATHAN, GB
[71] THE UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW, GB
[85] 2017-05-10
[86] 2015-11-11 (PCT/EP2015/076359)
[87] (WO2016/075209)
[30] GB (1420061.2) 2014-11-11

[21] **2,967,126**
[13] A1

[51] **Int.Cl. C08J 5/18 (2006.01)**
[25] EN
[54] **PROCESS TO PREPARE BIAXIALLY ORIENTED FILM**
[54] **PROCEDE DE PREPARATION D'UN FILM A ORIENTATION BIAXIALE**
[72] CHEN, HAO, NL
[72] STROEKS, ALEXANDER ANTONIUS MARIE, NL
[72] STEPANYAN, ROMAN, NL
[71] DSM IP ASSETS B.V., NL
[85] 2017-05-10
[86] 2015-11-12 (PCT/EP2015/076412)
[87] (WO2016/075225)
[30] EP (14193075.0) 2014-11-13

[21] **2,967,127**
[13] A1

[51] **Int.Cl. C12N 15/82 (2006.01) A01H 1/08 (2006.01) C07K 14/415 (2006.01) C12N 9/10 (2006.01) C12N 9/16 (2006.01) C12N 9/18 (2006.01) C12N 9/90 (2006.01)**
[25] EN
[54] **HAPLOID INDUCTORS**
[54] **INDUCTEURS HAPLOIDES**
[72] BOLDUAN, CHRISTOF, DE
[72] KLOIBER-MAITZ, MONIKA, DE
[72] NIESSEN, MARKUS, DE
[72] OUZUNOVA, MILENA, DE
[72] WELTMEIER, FRIDTJOF, DE
[71] KWS SAAT SE, DE
[85] 2017-05-10
[86] 2015-11-12 (PCT/EP2015/076469)
[87] (WO2016/075255)
[30] DE (10 2014 016 667.8) 2014-11-12

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[13] A1

[51] **Int.Cl. C12N 15/82 (2006.01) C12Q 1/68 (2006.01)**
[25] EN
[54] **BRASSICA EVENTS LBFLFK AND LBFDAU AND METHODS FOR DETECTION THEREOF**
[54] **EVENEMENTS DE BRASSICA LBFLFK ET LBFDAU, ET PROCEDES DE DETECTION DE CEUX-CI**
[72] SENER, TORALF, US
[72] MARTY, LAURENT, DE
[72] KUNZE, IRENE, DE
[72] BAUER, JOERG, US
[72] REIN, DIETRICH, DE
[72] ANDRE, CARL, US
[71] BASF PLANT SCIENCE COMPANY GMBH, DE
[85] 2017-05-10
[86] 2015-11-13 (PCT/EP2015/076596)
[87] (WO2016/075303)
[30] US (62/079,622) 2014-11-14
[30] US (62/234,373) 2015-09-29

[21] **2,967,129**
[13] A1

[51] **Int.Cl. H01L 35/30 (2006.01)**
[25] EN
[54] **ELECTRIC POWER SUPPLY HAVING A THERMOELECTRIC GENERATOR**
[54] **DISPOSITIF DE PRODUCTION DE COURANT POURVU D'UN GENERATEUR THERMOELECTRIQUE**
[72] PETRAK, LEO, DE
[72] TORDY, ROBERT, DE
[72] WEIS, MARTIN, DE
[71] HIRSCHMANN AUTOMATION AND CONTROL GMBH, DE
[85] 2017-05-10
[86] 2015-11-13 (PCT/EP2015/076600)
[87] (WO2016/075307)
[30] DE (10 2014 223 189.2) 2014-11-13

[21] **2,967,131**
[13] A1

[51] **Int.Cl. C12N 15/82 (2006.01)**
[25] EN
[54] **MATERIALS AND METHODS FOR INCREASING THE TOCOPHEROL CONTENT IN SEED OIL**
[54] **MATERIAUX ET PROCEDES POUR AUGMENTER LA TENEUR EN TOCOPHEROL DANS UNE HUILE DE GRAINES**
[72] ANDRE, CARL, US
[71] BASF PLANT SCIENCE COMPANY GMBH, DE
[85] 2017-05-10
[86] 2015-11-13 (PCT/EP2015/076608)
[87] (WO2016/075313)
[30] US (62/079,622) 2014-11-14
[30] US (62/234,373) 2015-09-29

[21] **2,967,132**
[13] A1

[51] **Int.Cl. C12N 15/82 (2006.01)**
[25] EN
[54] **STABILISING FATTY ACID COMPOSITIONS**
[54] **STABILISATION DE COMPOSITIONS D'ACIDES GRAS**
[72] SENER, TORALF, US
[72] HAERTEL, HEIKO, DE
[71] BASF PLANT SCIENCE COMPANY GMBH, DE
[85] 2017-05-10
[86] 2015-11-13 (PCT/EP2015/076605)
[87] (WO2016/075310)
[30] US (62/079,622) 2014-11-14
[30] US (62/234,373) 2015-09-29

[21] **2,967,135**
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01)**
[25] EN
[54] **MICROBUBBLE GENERATOR DEVICE, SYSTEMS AND METHOD TO FABRICATE**
[54] **DISPOSITIF GENERATEUR DE MICROBULLES, SYSTEMES ET PROCEDE DE FABRICATION**
[72] LIU, CHENGXUN, BE
[72] PEUMANS, PETER, BE
[72] LAGAE, LIESBET, BE
[72] MAJEED, BIVRAGH, BE
[71] IMEC VZW, BE
[85] 2017-05-10
[86] 2015-11-19 (PCT/EP2015/077164)
[87] (WO2016/079269)
[30] EP (14193831.6) 2014-11-19

[21] **2,967,136**
[13] A1

[51] **Int.Cl. C12N 15/82 (2006.01)**
[25] EN
[54] **MODIFICATION OF PLANT LIPIDS CONTAINING PUFAS**
[54] **MODIFICATION DE LIPIDES VEGETAUX CONTENANT DES ACIDES GRAS POLYINSATURES (PUFA)**
[72] SENER, TORALF, US
[72] ANDRE, CARL, US
[71] BASF PLANT SCIENCE COMPANY GMBH, DE
[85] 2017-05-10
[86] 2015-11-13 (PCT/EP2015/076630)
[87] (WO2016/075325)
[30] US (62/079,622) 2014-11-14
[30] US (62/234,373) 2015-09-29

[21] **2,967,138**
[13] A1

[51] **Int.Cl. G08G 1/04 (2006.01) G06T 7/285 (2017.01) G06T 7/593 (2017.01) G06K 9/00 (2006.01) H04N 13/02 (2006.01)**
[25] EN
[54] **METHOD OF CONTROLLING A TRAFFIC SURVEILLANCE SYSTEM**
[54] **PROCEDE DE COMMANDE D'UN SYSTEME DE SURVEILLANCE DE TRAFIC**
[72] BACKVALL, JOHAN, SE
[72] ARLIG, ULF, SE
[72] CRONA, BJORN, SE
[72] KARLSTROM, CHRISTIAN, SE
[71] KAPSCH TRAFFICCOM AB, SE
[85] 2017-05-10
[86] 2015-11-27 (PCT/EP2015/077862)
[87] (WO2016/083553)
[30] EP (14195255.6) 2014-11-27

[21] **2,967,140**
[13] A1

[51] **Int.Cl. A61K 38/08 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **THERAPEUTIC HOMODIMER AND USES THEREOF**
[54] **HOMODIMERE THERAPEUTIQUE ET SES UTILISATIONS**
[72] ROGERS, ARPI, GB
[71] ROGERS, ARPI, GB
[85] 2017-05-10
[86] 2015-11-16 (PCT/EP2015/076712)
[87] (WO2016/079066)
[30] GB (1420445.7) 2014-11-18

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[21] **2,967,163**
[13] A1

[51] **Int.Cl. B29C 70/00 (2006.01) B32B 5/30 (2006.01) B32B 21/02 (2006.01) B32B 37/02 (2006.01) B32B 37/22 (2006.01) E04F 13/00 (2006.01)**

[25] EN
[54] **A METHOD FOR MANUFACTURING A PANEL INCLUDING A REINFORCEMENT SHEET, AND A FLOOR PANEL**
[54] **PROCEDE DE FABRICATION DE PANNEAU COMPRENANT UNE FEUILLE DE RENFORT, ET PANNEAU DE PLANCHER**

[72] VAN VLASSENRODE, KRISTOF, BE
[72] BOSSUYT, FILIP GILBERT LUCIEN, BE
[71] IVC N.V., BE
[85] 2017-05-10
[86] 2015-11-19 (PCT/EP2015/077063)
[87] (WO2016/079225)
[30] US (14/549,153) 2014-11-20

[21] **2,967,166**
[13] A1

[51] **Int.Cl. H01R 13/6473 (2011.01) H01R 9/05 (2006.01)**

[25] EN
[54] **PLUG CONNECTOR ARRANGEMENT WITH COMPENSATION SLEEVE**
[54] **ENSEMBLE CONNECTEUR ENFICHABLE A MANCHON COMPENSATEUR**

[72] ZEBHAUSER, MARTIN, DE
[72] BREDBECK, TILL, DE
[72] ARMBRECHT, GUNNAR, DE
[72] KUNZ, STEPHAN, DE
[71] ROSENBERGER HOCHFREQUENZTECHNIK GMBH & CO. KG, DE
[85] 2017-05-10
[86] 2016-01-21 (PCT/EP2016/000105)
[87] (WO2016/120005)
[30] DE (20 2015 000 750.3) 2015-01-30

[21] **2,967,191**
[13] A1

[51] **Int.Cl. B65D 81/24 (2006.01) B65D 47/42 (2006.01)**

[25] FR
[54] **END PIECE FOR DISPENSING FLUID HAVING BACTERICIDAL AND/OR BACTERIOSTATIC PROPERTIES**
[54] **EMBOUT DE DISTRIBUTION DE FLUIDE A PROPRIETES BACTERICIDES ET/OU BACTERIOSTATIQUES**

[72] COURTIN, KARINE, FR
[71] COURTIN, KARINE, FR
[85] 2017-05-10
[86] 2015-12-02 (PCT/EP2015/078382)
[87] (WO2016/087525)
[30] FR (14 61932) 2014-12-04

[21] **2,967,194**
[13] A1

[51] **Int.Cl. B65B 3/00 (2006.01) B65B 7/28 (2006.01)**

[25] EN
[54] **PREPARING A DOUBLE CHAMBER CONTAINER**
[54] **PREPARATION D'UN RECIPIENT A DOUBLE CHAMBRE**

[72] WERK, TOBIAS, CH
[72] LUMKEMANN, JORG, DE
[72] MAHLER, HANNS-CHRISTIAN, DE
[71] F.HOFFMANN-LA ROCHE AG, CH
[85] 2017-05-10
[86] 2015-12-04 (PCT/EP2015/078606)
[87] (WO2016/087626)
[30] EP (14196466.8) 2014-12-05

[21] **2,967,201**
[13] A1

[51] **Int.Cl. B65B 3/00 (2006.01) B65B 7/28 (2006.01) B65D 51/24 (2006.01) B67B 1/04 (2006.01)**

[25] EN
[54] **CLOSING A CHAMBER OF A CONTAINER FOR A PHARMACEUTICAL PRODUCT**
[54] **FERMETURE D'UNE CHAMBRE D'UN RECIPIENT POUR UN PRODUIT PHARMACEUTIQUE**

[72] WERK, TOBIAS, CH
[72] LUMKEMANN, JORG, DE
[72] MAHLER, HANNS-CHRISTIAN, DE
[72] KISSLING, TOM, CH
[71] F.HOFFMANN-LA ROCHE AG, CH
[85] 2017-05-10
[86] 2015-12-04 (PCT/EP2015/078607)
[87] (WO2016/087627)
[30] EP (14196514.5) 2014-12-05

[21] **2,967,209**
[13] A1

[51] **Int.Cl. C07C 29/80 (2006.01) C07C 31/20 (2006.01)**

[25] EN
[54] **PROCESS FOR THE SEPARATION OF GLYCOLS**
[54] **PROCEDE DE SEPARATION DE GLYCOLS**

[72] HUIZENGA, PIETER, NL
[72] FISCHER, KAI JURGEN, NL
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2017-05-10
[86] 2015-12-04 (PCT/EP2015/078680)
[87] (WO2016/091751)
[30] EP (14196838.8) 2014-12-08

[21] **2,967,226**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 25/00 (2006.01)**

[25] EN
[54] **1,2,4-TRIAZOLO[4,3-A]PYRIDINE COMPOUNDS AND THEIR USE AS POSITIVE ALLOSTERIC MODULATORS OF MGLUR2 RECEPTORS**
[54] **COMPOSES DE 1,2,4-TRIAZOLO[4,3-A]PYRIDINE ET LEUR UTILISATION EN TANT QUE MODULATEURS ALLOSTERIQUES POSITIFS DES RECEPTEURS MGLUR2**

[72] CID-NUNEZ, JOSE MARIA, ES
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2017-05-10
[86] 2015-12-10 (PCT/EP2015/079216)
[87] (WO2016/092002)
[30] EP (14197277.8) 2014-12-11

[21] **2,967,502**
[13] A1

[51] **Int.Cl. H02K 3/30 (2006.01)**

[25] EN
[54] **VERY HIGH TEMPERATURE ELECTRICAL WINDING**
[54] **ENROULEMENT ELECTRIQUE POUR TRES HAUTES TEMPERATURES**

[72] HEAD, PHILIP, GB
[72] MANSIR, HASSAN, GB
[71] CORETEQ SYSTEMS LTD, GB
[85] 2017-05-11
[86] 2014-11-17 (PCT/EP2014/074798)
[87] (WO2015/071466)
[30] GB (1320245.2) 2013-11-15

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[21] **2,967,504**
[13] A1

[51] **Int.Cl. G01N 33/92 (2006.01)**
[25] EN
[54] **METHOD FOR THE DIAGNOSIS OF NIEMANN-PICK DISEASE USING A BIOMARKER**
[54] **METHODE POUR DIAGNOSTIQUER LA MALADIE DE NIEMANN-PICK A L'AIDE D'UN BIOMARQUEUR**
[72] ROLFS, ARNDT, DE
[72] MASCHER, HERMANN, AT
[71] CENTOGENE AG, DE
[85] 2017-05-11
[86] 2015-11-19 (PCT/EP2015/002313)
[87] (WO2016/078762)
[30] EP (14003888.6) 2014-11-19

[21] **2,967,514**
[13] A1

[51] **Int.Cl. C11D 3/22 (2006.01) C11D 3/37 (2006.01) C11D 3/50 (2006.01)**
[25] EN
[54] **FABRIC TREATMENT COMPOSITION**
[54] **COMPOSITION DE TRAITEMENT DE TEXTILE**
[72] BURGESS, KARL, GB
[72] CROSSMAN, MARTIN CHARLES, GB
[72] GRAHAM, PETER, GB
[72] OSLER, JONATHAN, GB
[72] RIELEY, HUGH, GB
[72] WALSH, SHAUN CHARLES, GB
[71] UNILEVER PLC, GB
[85] 2017-05-11
[86] 2015-11-06 (PCT/EP2015/075994)
[87] (WO2016/078941)
[30] EP (14193485.1) 2014-11-17

[21] **2,967,516**
[13] A1

[51] **Int.Cl. C11D 3/00 (2006.01) C11D 3/22 (2006.01) C11D 3/37 (2006.01)**
[25] EN
[54] **FABRIC TREATMENT COMPOSITION**
[54] **COMPOSITION DE TRAITEMENT DE TEXTILE**
[72] BURGESS, KARL, GB
[72] CROSSMAN, MARTIN CHARLES, GB
[72] GRAHAM, PETER, GB
[72] OSLER, JONATHAN, GB
[72] RIELEY, HUGH, GB
[72] WALSH, SHAUN CHARLES, GB
[71] UNILEVER PLC, GB
[85] 2017-05-11
[86] 2015-11-06 (PCT/EP2015/075996)
[87] (WO2016/078942)
[30] EP (14193487.7) 2014-11-17

[21] **2,967,517**
[13] A1

[51] **Int.Cl. A41D 19/00 (2006.01)**
[25] EN
[54] **METHODS OF IMPROVING HYGIENE, AND ARTICLES AND KITS FOR USE IN THE SAME**
[54] **PROCEDES D'AMELIORATION DE L'HYGIENE, ET ARTICLES ET TROUSSES DESTINES A ETRE UTILISES DANS LES PROCEDES**
[72] JOHANNESSEN, BAARD, NO
[72] KAASEN, INGA, NO
[71] NETTFORSK AS, NO
[85] 2017-05-11
[86] 2015-11-11 (PCT/EP2015/076305)
[87] (WO2016/075188)
[30] GB (1420065.3) 2014-11-11
[30] GB (1500899.8) 2015-01-20

[21] **2,967,520**
[13] A1

[51] **Int.Cl. H02K 21/44 (2006.01) H02K 7/18 (2006.01)**
[25] EN
[54] **A STATOR FOR A GENERATOR AND A FLUX SWITCHING MACHINE FOR A WIND TURBINE**
[54] **STATOR POUR GENERATEUR ET MACHINE DE COMMUTATION DE FLUX POUR UNE TURBINE EOLIENNE**
[72] NEDJAR, BOUMEDYEN, FR
[71] AREVA WIND GMBH, DE
[85] 2017-05-11
[86] 2015-11-13 (PCT/EP2015/076565)
[87] (WO2016/075292)
[30] EP (14193147.7) 2014-11-14

[21] **2,967,522**
[13] A1

[51] **Int.Cl. C04B 28/14 (2006.01)**
[25] EN
[54] **CALCIUM SULPHATE-BASED PRODUCTS**
[54] **PRODUITS A BASE DE SULFATE DE CALCIUM**
[72] BROOKS, LAURA, GB
[72] FISHER, ROBIN, GB
[72] RIDEOUT, JAN, GB
[71] SAINT-GOBAIN PLACO, FR
[85] 2017-05-11
[86] 2015-11-17 (PCT/EP2015/076786)
[87] (WO2016/079099)
[30] GB (1420768.2) 2014-11-21

[21] **2,967,523**
[13] A1

[51] **Int.Cl. C04B 28/14 (2006.01) C04B 22/08 (2006.01)**
[25] EN
[54] **FIRE RESISTANT CALCIUM SULPHATE-BASED PRODUCTS**
[54] **PRODUITS A BASE DE SULFATE DE CALCIUM RESISTANT AU FEU**
[72] BROOKS, LAURA, GB
[72] FISHER, ROBIN, GB
[72] RIDEOUT, JAN, GB
[71] SAINT-GOBAIN PLACO, FR
[85] 2017-05-11
[86] 2015-11-17 (PCT/EP2015/076787)
[87] (WO2016/079100)
[30] GB (1420767.4) 2014-11-21

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[21] **2,967,819**
[13] A1

[51] **Int.Cl. F16H 37/12 (2006.01) E21B 43/12 (2006.01) F04B 47/00 (2006.01) F16H 19/08 (2006.01) F16H 31/00 (2006.01)**

[25] EN

[54] **A MECHANISM AND SYSTEM FOR ROTATING AN ELONGATE MEMBER OF AN OIL PUMP**

[54] **MECANISME ET SYSTEME POUR FAIRE TOURNER UN ELEMENT ALLONGE D'UNE POMPE A HUILE**

[72] RAPPENECKER, JEREMY
MICHAEL, US

[72] DAVISON, MATTHEW S., US

[71] NATIONAL OILWELL VARCO, L.P.,
US

[85] 2017-05-12
[86] 2015-11-13 (PCT/US2015/060707)
[87] (WO2016/077771)
[30] US (62/079,579) 2014-11-14

[21] **2,968,331**
[13] A1

[51] **Int.Cl. C12P 19/00 (2006.01) C07J 9/00 (2006.01) C12N 15/00 (2006.01) C12N 9/10 (2006.01)**

[25] EN

[54] **MOGROL
GLYCOSYLTRANSFERASE AND GENE ENCODING SAME**

[54] **MOGROL
GLYCOSYLTRANSFERASE ET GENE CODANT POUR CELLE-CI**

[72] ONO, EIICHIRO, JP

[72] OCHIAI, MISA, JP

[71] SUNTORY HOLDINGS LIMITED, JP

[85] 2017-05-18
[86] 2015-10-16 (PCT/JP2015/079907)
[87] (WO2016/060276)
[30] JP (2014-213063) 2014-10-17

[21] **2,968,337**
[13] A1

[51] **Int.Cl. B63B 39/03 (2006.01) B63B 1/18 (2006.01) B63B 9/04 (2006.01) B63B 43/06 (2006.01)**

[25] EN

[54] **PLANING BOAT AND METHOD FOR MANUFACTURING THE SAME**

[54] **NAVIRE PLANANT ET SON PROCEDE DE FABRICATION**

[72] IZUME, MASAYUKI, JP

[71] IZUME, MASAYUKI, JP

[85] 2017-05-18
[86] 2015-11-12 (PCT/JP2015/081811)
[87] (WO2016/080272)
[30] JP (2014-234705) 2014-11-19

[21] **2,968,347**
[13] A1

[51] **Int.Cl. G01N 21/359 (2014.01)**

[25] EN

[54] **QUALITY EVALUATION METHOD AND QUALITY EVALUATION DEVICE**

[54] **PROCEDE D'EVALUATION DE QUALITE ET DISPOSITIF D'EVALUATION DE QUALITE**

[72] SUGANUMA, HIROSHI, JP

[72] OKUNO, TAKUYA, JP

[72] MOTOMURA, ASAKO, JP

[72] AKIEDA, SHIZUKA, JP

[72] TSUJI, MANAMI, JP

[72] OKINA, YUNA, JP

[72] SUGIYAMA, YOKO, JP

[72] AIBA, KAZUHIRO, JP

[72] LIU, LI, JP

[71] KYOTO STEM CELL INNOVATION, INC., JP

[71] SUMITOMO ELECTRIC INDUSTRIES, LTD., JP

[71] CYFUSE BIOMEDICAL K.K., JP

[85] 2017-05-18
[86] 2015-11-18 (PCT/JP2015/082415)
[87] (WO2016/080442)
[30] JP (2014-236690) 2014-11-21

[21] **2,968,351**
[13] A1

[51] **Int.Cl. C08L 9/02 (2006.01) C08K 5/13 (2006.01) C08K 7/02 (2006.01)**

[25] EN

[54] **NITRILE RUBBER COMPOSITION, LATEX COMPOSITION OF HIGHLY SATURATED NITRILE RUBBER, AND CROSS-LINKED RUBBER**

[54] **COMPOSITION DE CAOUTCHOUC NITRILE, COMPOSITION DE LATEX DE CAOUTCHOUC NITRILE FORTEMENT SATURE, ET CAOUTCHOUC RETICULE**

[72] INOUE, SAYAKA, JP

[72] NAKASHIMA, TOMONORI, JP

[71] ZEON CORPORATION, JP

[85] 2017-05-18
[86] 2015-11-20 (PCT/JP2015/082674)
[87] (WO2016/084734)
[30] JP (2014-239706) 2014-11-27

[21] **2,968,362**
[13] A1

[51] **Int.Cl. G06Q 30/00 (2012.01)**

[25] EN

[54] **AUTOMATIC DISCOUNT SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE DE REDUCTION AUTOMATIQUE**

[72] POPE, GARY T., US

[71] POPE, GARY T., US

[85] 2017-05-18
[86] 2015-11-18 (PCT/US2015/061219)
[87] (WO2016/081536)
[30] US (14/546,205) 2014-11-18

[21] **2,968,366**
[13] A1

[51] **Int.Cl. F16L 47/12 (2006.01)**

[25] EN

[54] **QUICK CONNECTOR ASSEMBLY**

[54] **ENSEMBLE CONNECTEUR RAPIDE**

[72] HUNT, MITCHELL W., US

[72] LUTZKE, MATTHEW D., US

[71] A. RAYMOND ET CIE, FR

[85] 2017-05-18
[86] 2015-11-18 (PCT/US2015/061270)
[87] (WO2016/081560)
[30] US (14/548,741) 2014-11-20

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[21] **2,968,368**
[13] A1

[51] **Int.Cl. F16H 61/66 (2006.01) F16H 59/10 (2006.01) F16H 59/44 (2006.01) F16H 61/02 (2006.01) F16H 61/662 (2006.01)**

[25] EN
[54] **ELECTRONIC SHIFTING OF A TRANSMISSION**
[54] **CHANGEMENT DE VITESSES ELECTRONIQUE D'UNE TRANSMISSION**

[72] NELSON, STEPHEN L., US
[72] FREDRICKSON, DONOVAN L., US
[72] KOENIG, DAVID J., US
[72] CARLSON, RYAN D., US
[72] DECKARD, AARON D., US
[71] POLARIS INDUSTRIES INC., US
[85] 2017-05-18
[86] 2015-11-18 (PCT/US2015/061274)
[87] (WO2016/085728)
[30] US (14/554,648) 2014-11-26

[21] **2,968,369**
[13] A1

[51] **Int.Cl. G06Q 10/02 (2012.01) H04W 40/00 (2009.01) H04W 40/08 (2009.01)**

[25] EN
[54] **COLLABORATIVE TICKETING SYSTEM**
[54] **SYSTEME DE BILLETTERIE COLLABORATIVE**

[72] PALEJA, AMEESH, US
[72] BAKAL, MATTHEW, US
[72] BURNS, MICHAEL, US
[72] CAPPS, KENLEY, US
[72] KIM, MITCHELL, US
[72] RADDATZ, ALAN, US
[72] ROUSE, ALEXANDER, US
[72] SHAEVITZ, GEOFF, US
[71] ATOM TICKETS, LLC, US
[85] 2017-05-18
[86] 2015-11-18 (PCT/US2015/061381)
[87] (WO2016/081626)
[30] US (62/082,498) 2014-11-20
[30] US (14/696,292) 2015-04-24
[30] US (14/696,288) 2015-04-24
[30] US (14/696,296) 2015-04-24
[30] US (14/696,310) 2015-04-24
[30] US (14/696,314) 2015-04-24

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[13] A1

[51] **Int.Cl. F21V 29/77 (2015.01) F21V 29/74 (2015.01) F21K 9/23 (2016.01) F21K 9/232 (2016.01) F21V 23/00 (2015.01)**

[25] EN
[54] **LED LAMPS FOR RETROFIT ON HIGH WATTAGE METAL HALIDE BALLASTS**
[54] **LAMPES A DEL POUR MONTAGE EN RATRAPAGE SUR DES BALLASTS POUR LAMPES A HALOGENURES METALLIQUES DE FORTE PUISSANCE**

[72] RAMAIAH, RAGHU, US
[72] KNAPP, THOMAS ALEXANDER, US
[72] CLYNNE, THOMAS, US
[72] PAX, BENJAMIN MICHAEL, US
[71] GE LIGHTING SOLUTIONS, LLC, US
[85] 2017-05-18
[86] 2015-12-03 (PCT/US2015/063583)
[87] (WO2016/090069)
[30] US (62/087,099) 2014-12-03
[30] US (14/956,430) 2015-12-02

[21] **2,968,468**
[13] A1

[51] **Int.Cl. A61C 19/05 (2006.01) A61C 9/00 (2006.01) A61C 13/34 (2006.01)**

[25] EN
[54] **BITE REGISTRATION TOOL, BITE REGISTRATION TOOL SET, AND SUITABLE BITE REGISTRATION METHOD**
[54] **OUTIL DE PRISE OCCLUSALE, ENSEMBLE D'OUTIL DE PRISE OCCLUSALE ET PROCEDURE POUR L'ENREGISTREMENT OCCLUSAL**

[72] BOHMERT, PETER, DE
[71] MERZ DENTAL GMBH, DE
[85] 2017-05-19
[86] 2015-11-23 (PCT/EP2015/077396)
[87] (WO2016/083324)
[30] DE (10 2014 117 252.3) 2014-11-25

[21] **2,968,477**
[13] A1

[51] **Int.Cl. A61B 17/80 (2006.01) A61B 17/86 (2006.01)**

[25] EN
[54] **BONE FIXATION PLATE**
[54] **PLAQUE DE FIXATION OSSEUSE**

[72] WOTTON, HARRY, US
[71] EVEROST UK LTD., GB
[85] 2017-05-19
[86] 2015-11-18 (PCT/GB2015/053495)
[87] (WO2016/079504)
[30] GB (1420739.3) 2014-11-21

[21] **2,968,489**
[13] A1

[51] **Int.Cl. E21B 43/12 (2006.01) E21B 47/009 (2012.01)**

[25] EN
[54] **METHOD AND SYSTEM FOR MAXIMIZING PRODUCTION OF A WELL WITH A GAS ASSISTED PLUNGER LIFT**
[54] **PROCEDE ET SYSTEME DE MAXIMISATION DE LA PRODUCTION D'UN Puits AVEC UN POMPAGE PNEUMATIQUE ASSISTE PAR GAZ**

[72] NANDOLA, NARESHKUMAR, IN
[72] KAISARE, NIKET, IN
[72] GUPTA, ARUN, IN
[71] ABB SCHWEIZ AG, CH
[85] 2017-05-19
[86] 2015-11-30 (PCT/IB2015/059197)
[87] (WO2016/084054)
[30] IN (5994/CHE/2014) 2014-11-30

[21] **2,968,526**
[13] A1

[51] **Int.Cl. A61G 7/057 (2006.01)**

[25] EN
[54] **MOISTURE CONTROL COVERLET**
[54] **COUVRE-LIT DE REGULATION D'HUMIDITE**

[72] VRZALIK, JOHN, US
[72] PICKERING, MATTHEW, US
[72] HONG, KZ, US
[72] CAVANAUGH, MATTHEW, US
[71] HUNTLEIGH TECHNOLOGY LIMITED, GB
[71] VRZALIK, JOHN, US
[71] PICKERING, MATTHEW, US
[71] HONG, KZ, US
[71] CAVANAUGH, MATTHEW, US
[85] 2017-05-19
[86] 2015-11-24 (PCT/US2015/062549)
[87] (WO2016/086073)
[30] US (62/083,433) 2014-11-24

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<p style="text-align: center;">[21] 2,968,701 [13] A1</p> <p>[51] Int.Cl. F02D 19/12 (2006.01) C10L 1/23 (2006.01) F02B 47/04 (2006.01) F02D 41/00 (2006.01) F02D 41/30 (2006.01) F02M 25/00 (2006.01)</p> <p>[25] EN</p> <p>[54] COMBUSTION SYSTEM AND METHOD</p> <p>[54] SYSTEME ET PROCEDE DE COMBUSTION</p> <p>[72] JENNINGS, JAMES ROBERT, GB [72] SHORT, GLYN DAVID, US [71] AVOCET INFINITE PLC., GB [85] 2017-05-24 [86] 2015-07-03 (PCT/EP2015/025043) [87] (WO2016/000834) [30] GB (1411859.0) 2014-07-03 [30] GB (1411862.4) 2014-07-03</p>	<p style="text-align: center;">[21] 2,968,762 [13] A1</p> <p>[51] Int.Cl. A61M 25/00 (2006.01)</p> <p>[25] EN</p> <p>[54] URINARY CATHETER HAVING A SOFT TIP</p> <p>[54] CATHETER URINAIRE AYANT UNE POINTE SOUPLE</p> <p>[72] NYMAN, MARTIN, SE [72] DAHLBERG, NIKLAS, SE [71] DENTSPLY IH AB, SE [85] 2017-05-24 [86] 2015-12-07 (PCT/EP2015/078863) [87] (WO2016/107719) [30] EP (14200366.4) 2014-12-29</p>	<p style="text-align: center;">[21] 2,968,790 [13] A1</p> <p>[51] Int.Cl. A61K 31/661 (2006.01)</p> <p>[25] EN</p> <p>[54] OXIDIZED LIPIDS AND TREATMENT OR PREVENTION OF FIBROSIS</p> <p>[54] LIPIDES OXYDES ET TRAITEMENT OU PREVENTION DE LA FIBROSE</p> <p>[72] MENDEL, ITZHAK, IL [72] SALEM, YANIV, IL [72] YACOV, NIVA, IL [72] BREITBART, EYAL, IL [71] VASCULAR BIOGENICS LTD., IL [85] 2017-05-24 [86] 2015-11-26 (PCT/IB2015/059133) [87] (WO2016/084023) [30] US (62/085,051) 2014-11-26</p>

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[21] **2,968,795**
[13] A1

[51] **Int.Cl. C04B 18/20 (2006.01) B09B 3/00 (2006.01) B29B 9/06 (2006.01) B29B 17/00 (2006.01) B29C 47/00 (2006.01) C04B 20/00 (2006.01) C04B 20/02 (2006.01)**

[25] EN

[54] **EXTRUDED PLASTIC AGGREGATE FOR CONCRETE**

[54] **AGREGAT DE MATIERE PLASTIQUE EXTRUDEE POUR BETON**

[72] BARROW, PETER, NZ

[72] FERRIER, ANDREW (DECEASED), ZZ

[72] HUTCHINSON, PETER, NZ

[71] ENVIROPLAZ INTERNATIONAL HOLDINGS LIMITED, CN

[85] 2017-05-24

[86] 2015-11-24 (PCT/IB2015/059106)

[87] (WO2016/084007)

[30] NZ (702277) 2014-11-24

[21] **2,968,799**
[13] A1

[51] **Int.Cl. A61F 6/00 (2006.01) A61F 6/14 (2006.01)**

[25] EN

[54] **DEVICE POSITIONABLE IN THE UTERINE CAVITY**

[54] **DISPOSITIF POUVANT ETRE POSITIONNE DANS LA CAVITE UTERINE**

[72] BAR-AM, ILAN, IL

[72] WEINSTEIN, ARIEL, IL

[71] OCON MEDICAL LTD., IL

[85] 2017-05-24

[86] 2014-12-11 (PCT/IL2014/051086)

[87] (WO2016/092531)

[21] **2,968,800**
[13] A1

[51] **Int.Cl. E05F 15/40 (2015.01) E05F 15/659 (2015.01) E05F 15/695 (2015.01)**

[25] EN

[54] **CONTROL DEVICE AND CONTROL METHOD OF OPENING AND CLOSING MEMBER FOR VEHICLE**

[54] **DISPOSITIF ET PROCEDE POUR COMMANDER UN ELEMENT D'OUVERTURE/DE FERMETURE DE VEHICULE**

[72] KIKUTA, TAKASHI, JP

[71] AISIN SEIKI KABUSHIKI KAISHA, JP

[85] 2017-05-24

[86] 2015-09-25 (PCT/JP2015/004879)

[87] (WO2016/084291)

[30] JP (2014-238899) 2014-11-26

[21] **2,968,802**
[13] A1

[51] **Int.Cl. B21D 26/021 (2011.01)**

[25] EN

[54] **HOT BLOW FORMING METHOD FOR ALUMINUM ALLOY SHEET**

[54] **PROCEDE DE MOULAGE PAR SOUFFLAGE A CHAUD POUR UNE FEUILLE D'ALLIAGE D'ALUMINIUM**

[72] ASANO, MINEO, JP

[71] UACJ CORPORATION, JP

[85] 2017-05-24

[86] 2015-04-21 (PCT/JP2015/062104)

[87] (WO2016/084402)

[30] US (62/083,627) 2014-11-24

[21] **2,968,803**
[13] A1

[51] **Int.Cl. F42B 5/145 (2006.01) F42B 30/04 (2006.01)**

[25] EN

[54] **WARHEAD FOR GENERATING A BLAST ON AN EXTENDED REGION OF A TARGET SURFACE**

[54] **OGIVE POUR GENERER UNE EXPLOSION SUR UNE ZONE ETENDUE D'UNE SURFACE CIBLE**

[72] TEPER, YOSEF, IL

[72] NADAV, TAL, IL

[72] LAOS, VITALI, IL

[71] RAFAEL ADVANCED DEFENSE SYSTEMS LTD., IL

[85] 2017-05-24

[86] 2015-11-15 (PCT/IL2015/051097)

[87] (WO2016/098096)

[30] IL (236306) 2014-12-16

[21] **2,968,808**
[13] A1

[51] **Int.Cl. C12N 15/83 (2006.01) A01H 5/00 (2006.01) C12N 5/04 (2006.01)**

[25] EN

[54] **NUCLEIC ACID CONSTRUCTS FOR GENOME EDITING**

[54] **CONSTRUCTION D'ACIDE NUCLEIQUE POUR L'EDITION DE GENOME**

[72] VAINSTEIN, ALEXANDER, IL

[72] MARTON, IRA, IL

[72] HONIG, ARIK, IL

[72] MARHEVKA, ELENA, IL

[71] DANZIGER INNOVATIONS LTD., IL

[85] 2017-05-24

[86] 2015-11-26 (PCT/IL2015/051150)

[87] (WO2016/084084)

[30] US (62/085,292) 2014-11-27

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[21] **2,968,810**
[13] A1

[51] **Int.Cl. B07C 5/342 (2006.01) B07C 5/36 (2006.01)**
[25] EN
[54] **SENSOR SEPARATION APPARATUS AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE SEPARATION A CAPTEUR**
[72] REM, PETER CARLO, NL
[72] BAKKER, MARTINUS CORNELIS MARIA, NL
[72] BERKHOUT, SIMON PETRUS MARIA, NL
[71] URBAN MINING CORP B.V., NL
[85] 2017-05-24
[86] 2015-12-04 (PCT/NL2015/050841)
[87] (WO2016/089209)
[30] NL (2013925) 2014-12-05

[21] **2,968,812**
[13] A1

[51] **Int.Cl. A63F 9/24 (2006.01) G06T 19/00 (2011.01) G06T 19/20 (2011.01) G06Q 10/02 (2012.01) A63F 3/06 (2006.01) G06F 17/30 (2006.01)**
[25] EN
[54] **3D LOTTERY CARD**
[54] **CARTE DE LOTERIE 3D**
[72] ROSENHEIMER, AMIR, IL
[72] KOREN PINTO, SHAHAR, US
[71] PAYMAXS LTD., IL
[85] 2017-05-24
[86] 2016-01-03 (PCT/IL2016/050001)
[87] (WO2016/108243)
[30] US (14/588,953) 2015-01-04

[21] **2,968,815**
[13] A1

[51] **Int.Cl. G06F 19/00 (2011.01) G06F 19/28 (2011.01)**
[25] EN
[54] **METHODS FOR DETERMINING HEALTH RISKS**
[54] **PROCEDES DE DETERMINATION DE RISQUES POUR LA SANTE**
[72] HOLMES, HEATHER, US
[72] CHANG, EMILY RAINS, US
[71] TAPGENES, INC., US
[85] 2017-05-24
[86] 2015-10-28 (PCT/US2015/057857)
[87] (WO2016/069771)
[30] US (62/069,573) 2014-10-28
[30] US (62/195,072) 2015-07-21

[21] **2,968,817**
[13] A1

[51] **Int.Cl. A63H 33/08 (2006.01) A63H 33/06 (2006.01) A44C 5/02 (2006.01)**
[25] EN
[54] **CONNECTABLE ELEMENT FOR CREATING CHAINS AND SPATIAL STRUCTURES**
[54] **ELEMENT RACCORDABLE DESTINE A LA CREATION DE STRUCTURES SPATIALES ET DE CHAINES**
[72] AARSTAD, ANNE MARIT, NO
[71] LUNA LOOP AS, NO
[85] 2017-05-24
[86] 2014-11-27 (PCT/NO2014/050221)
[87] (WO2015/080594)
[30] NO (20131572) 2013-11-28

[21] **2,968,818**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/385 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **TUMOR THERAPY BY BISPECIFIC ANTIBODY PRETARGETING**
[54] **TRAITEMENT ANTITUMORAL PAR PRECIBLAGE AVEC DES ANTICORPS BISPECIFIQUES**
[72] BOERMAN, OTTO C., US
[72] HESKAMP, SANDRA, US
[72] CHANG, CHIEN-HSING, US
[72] MCBRIDE, WILLIAM J., US
[72] GOLDENBERG, DAVID M., US
[71] IMMUNOMEDICS, INC., US
[85] 2017-05-24
[86] 2015-11-16 (PCT/US2015/060890)
[87] (WO2016/111751)
[30] US (62/101,601) 2015-01-09
[30] US (62/185,978) 2015-06-29

[21] **2,968,819**
[13] A1

[51] **Int.Cl. G02B 21/24 (2006.01) G02B 21/02 (2006.01) G02B 21/20 (2006.01)**
[25] EN
[54] **MICROSCOPE HEAD WITH MULTIPLE COAXIAL MECHANICAL CONTROLS**
[54] **TETE DE MICROSCOPE COMPORTANT PLUSIEURS COMMANDES MECANIQUES COAXIALES**
[72] STIEFFERMAN, TIM, US
[72] TOAL, NICHOLAS, US
[71] GLOBAL SURGICAL CORPORATION, US
[85] 2017-05-24
[86] 2015-11-04 (PCT/US2015/058948)
[87] (WO2016/089525)
[30] US (14/558,982) 2014-12-03

[21] **2,968,820**
[13] A1

[51] **Int.Cl. A01N 63/00 (2006.01)**
[25] EN
[54] **SYNERGISTIC BACTERIAL CONSORTIA FOR MOBILIZING SOIL PHOSPHORUS**
[54] **CONSORTIUMS BACTERIENS SYNERGIQUES PERMETTANT DE MOBILISER LE PHOSPHORE DU SOL**
[72] WALLENSTEIN, MATTHEW D., US
[72] BELL, COLIN W., US
[71] COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, US
[85] 2017-05-24
[86] 2015-11-06 (PCT/US2015/059565)
[87] (WO2016/085637)
[30] US (62/084,303) 2014-11-25
[30] US (62/171,643) 2015-06-05

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[21] **2,968,824**
[13] A1

[51] **Int.Cl. A61K 9/127 (2006.01) C07F 9/10 (2006.01) C12P 7/64 (2006.01)**
[25] EN
[54] **FORMULATIONS HAVING ANTI-INFLAMMATORY ACTIVITY AND ANTIMICROBIAL ACTIVITY AGAINST GRAM-POSITIVE BACTERIA**
[54] **FORMULATIONS AYANT UNE ACTIVITE ANTI-INFLAMMATOIRE ET UNE ACTIVITE ANTIMICROBIENNE CONTRE LES BACTERIES GRAM POSITIF**
[72] JAMES-MEYER, LYNN S., US
[72] COLES, GERALD C., GB
[71] NATUREZA, INC., US
[85] 2017-05-24
[86] 2015-10-16 (PCT/US2015/056111)
[87] (WO2016/061561)
[30] US (62/064,574) 2014-10-16

[21] **2,968,825**
[13] A1

[51] **Int.Cl. A01N 43/38 (2006.01)**
[25] EN
[54] **4-FLUORO-THIO-CONTAINING INHIBITORS OF APP2, COMPOSITIONS THEREOF AND METHOD OF USE**
[54] **INHIBITEURS D'APP2 A TENEUR EN 4-FLUORO-THIO, LEURS COMPOSITIONS ET PROCEDE D'UTILISATION**
[72] SIMMONS, WILLIAM H., US
[71] SIMMONS, WILLIAM H., US
[85] 2017-05-24
[86] 2015-10-30 (PCT/US2015/000122)
[87] (WO2016/085530)
[30] US (14/544,096) 2014-11-24

[21] **2,968,831**
[13] A1

[51] **Int.Cl. A61K 31/197 (2006.01) A61K 31/198 (2006.01) A61K 31/405 (2006.01) A61P 1/00 (2006.01)**
[25] EN
[54] **AMINO ACID COMPOSITIONS FOR THE TREATMENT OF SYMPTOMS OF DISEASE**
[54] **COMPOSITIONS D'ACIDE AMINE POUR LE TRAITEMENT DE SYMPTOMES DE MALADIE**
[72] VIDYASAGAR, SADASIVAN, US
[72] GATTO, STEPHEN J., US
[72] DENNISON, DANIEL B., US
[71] ENTRINSIC HEALTH SOLUTIONS, LLC, US
[85] 2017-05-24
[86] 2015-11-19 (PCT/US2015/061462)
[87] (WO2016/085735)
[30] US (62/083,698) 2014-11-24
[30] US (62/138,051) 2015-03-25

[21] **2,968,833**
[13] A1

[51] **Int.Cl. A61B 17/86 (2006.01) A61B 17/04 (2006.01) A61B 17/56 (2006.01) A61F 2/08 (2006.01) A61L 27/56 (2006.01) A61L 31/14 (2006.01)**
[25] EN
[54] **SURGICAL IMPLANT WITH POROUS REGION**
[54] **IMPLANT CHIRURGICAL AVEC REGION POREUSE**
[72] PAPANGELOU, CHRIS, US
[72] KARNES, G. JOSHUA, US
[71] ARTHREX, INC., US
[85] 2017-05-24
[86] 2015-09-25 (PCT/US2015/052121)
[87] (WO2016/099620)
[30] US (14/571,677) 2014-12-16

[21] **2,968,834**
[13] A1

[51] **Int.Cl. A61M 39/10 (2006.01) A61J 15/00 (2006.01) A61M 39/08 (2006.01)**
[25] EN
[54] **DUAL MATERIAL Y-CONNECTOR**
[54] **RACCORD EN Y A DEUX MATERIAUX**
[72] KOELPER, CRYSTAL E., US
[72] NORDQUIST, JEFFREY S., US
[72] SHAUGHNESSY, MICHAEL C., US
[72] MORICI, JOHN L., US
[71] CORPAK MEDSYSTEMS, INC., US
[85] 2017-05-24
[86] 2015-11-20 (PCT/US2015/061751)
[87] (WO2016/085789)
[30] US (14/553,337) 2014-11-25

[21] **2,968,835**
[13] A1

[51] **Int.Cl. H04W 4/22 (2009.01)**
[25] EN
[54] **RAPID RESPONSE WITH DIRECT CONNECT FOR EMERGENCY RESPONDERS**
[54] **REACTION RAPIDE AVEC CONNEXION DIRECTE POUR AGENTS D'INTERVENTION D'URGENCE**
[72] BARNES, JOHN PRESTON, US
[72] BARNES, JOHN WAYNE, US
[71] BARNES, JOHN PRESTON, US
[71] BARNES, KEVIN WAYNE, US
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[87] (WO2016/085859)
[30] US (62/123,653) 2014-11-24
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[54] **NON-SLIP CABLE TIE**
[54] **ATTACHE DE CABLE ANTI-GLISSEMENT**
[72] FREEMAN, BENJAMIN, US
[71] THOMAS & BETTS INTERNATIONAL LLC, US
[85] 2017-05-24
[86] 2015-11-23 (PCT/US2015/062180)
[87] (WO2016/085872)
[30] US (62/083,395) 2014-11-24

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[25] EN
[54] **SYSTEMS AND METHODS TO CONTROL DEPTH OF TREATMENT IN DENTAL LASER SYSTEMS**
[54] **SYSTEMES ET PROCEDES DE COMMANDE DE PROFONDEUR DE TRAITEMENT DANS DES SYSTEMES DENTAIRE A LASER**
[72] MONTY, NATHAN P., US
[72] DRESSER, CHARLES H., US
[71] CONVERGENT DENTAL, INC., US
[85] 2017-05-24
[86] 2015-11-25 (PCT/US2015/062737)
[87] (WO2016/086164)
[30] US (62/084,783) 2014-11-26

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[54] **A RADIATION IMAGING SYSTEM**
[54] **SYSTEME D'IMAGERIE PAR RAYONNEMENT**
[72] IMMEL, DAVID M., US
[72] BOBBITT, JOHN T., III, US
[72] PLUMMER, JEAN R., US
[72] FOLSOM, MATTHEW D., US
[72] SERRATO, MICHAEL G., US
[71] SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC, US
[85] 2017-05-24
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[30] US (14/559,419) 2014-12-03

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[51] **Int.Cl. E21B 10/32 (2006.01) E21B 29/00 (2006.01) E21B 29/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR INNER CASING STRING WINDOW MILLING AND OUTER CASING CEMENT SHEATH REMOVAL**
[54] **APPAREIL ET PROCEDE DE FRAISAGE DE FENETRE DE COLONNE DE TUBAGE INTERIEUR ET ENLEVEMENT DE FOURREAU EN CIMENT DE GAINE EXTERIEURE**
[72] RUTTLEY, DAVID J., US
[71] ABRADO, INC., US
[85] 2017-05-24
[86] 2015-11-24 (PCT/US2015/062264)
[87] (WO2016/085899)
[30] US (62/084,651) 2014-11-26
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[25] EN
[54] **CIRCUMFERENTIAL WOUND RETRACTION WITH SUPPORT AND GUIDANCE STRUCTURES**
[54] **ECARTEMENT CIRCONFERENCEL DE PLAIES AVEC STRUCTURES DE SUPPORT ET DE GUIDAGE**
[72] HART, CHARLES C., US
[72] PRAVONG, BOUN, US
[72] PRAVONGVIENKHAM, KENNI, US
[72] BOLANOS, EDUARDO, US
[72] TALWAR, TINA, US
[72] BRESLIN, TRACY, US
[71] APPLIED MEDICAL RESOURCES CORPORATION, US
[85] 2017-05-24
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[30] US (62/084,435) 2014-11-25

[21] **2,968,851**
[13] A1

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[54] **AMPLIFICATION AND DETECTION OF NUCLEIC ACIDS IN A BIOLOGICAL SAMPLE**
[54] **AMPLIFICATION ET DETECTION D'ACIDES NUCLEIQUES DANS UN ECHANTILLON BIOLOGIQUE**
[72] JACKY, LUCIEN, US
[72] CASTRO, ALBERT, US
[72] LEE, PETER, US
[72] MATUD, JOSE, US
[72] TABB, MICHELLE, US
[71] QUEST DIAGNOSTICS INVESTMENTS INCORPORATED, US
[85] 2017-05-24
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[30] US (62/084,257) 2014-11-25

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[54] **HAPTEN-ENHANCED CHEMOIMMUNOTHERAPY BY ULTRA-MINIMUM INCISION PERSONALIZED INTRATUMORAL CHEMOIMMUNOTHERAPY**
[54] **CHIMIO-IMMUNOTHERAPIE HAPTENE-AMELIOREE PAR CHIMIO-IMMUNOTHERAPIE INTRATUMORALE PERSONNALISEE PAR INCISION ULTRA-MINIMALE**
[72] YU, BAOFA, US
[71] YU, BAOFA, US
[85] 2017-05-24
[86] 2015-11-24 (PCT/US2015/062538)
[87] (WO2016/086070)
[30] US (62/085,235) 2014-11-26

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[54] **FRONT ACCESS BATTERY COMPARTMENT**
[54] **COMPARTIMENT POUR BATTERIE A ACCES FRONTAL**
[72] BRUNELLI, ANTHONY LOUIS, US
[72] PAPSTEIN, ROBERT RICHARD, US
[71] HUBBELL INCORPORATED, US
[85] 2017-05-24
[86] 2015-12-01 (PCT/US2015/063166)
[87] (WO2016/089856)
[30] US (62/088,247) 2014-12-05

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[13] A1

[51] **Int.Cl. G01T 1/02 (2006.01) G06Q 50/10 (2012.01)**
[25] EN
[54] **INTELLIGENT SECURITY MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE SECURITE INTELLIGENT**
[72] TYKKYLAINEN, JARNO, FI
[72] MORTON, EDWARD JAMES, GB
[72] JARVI, ARI, FI
[71] RAPISCAN SYSTEMS, INC., US
[85] 2017-05-24
[86] 2015-11-25 (PCT/US2015/062683)
[87] (WO2016/086135)
[30] US (62/084,193) 2014-11-25

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[13] A1

[51] **Int.Cl. C12P 19/30 (2006.01)**
[25] EN
[54] **EXTRACTS OF WHOLE STILLAGE AND OTHER BIOMASS AND METHODS THEREOF**
[54] **EXTRAITS DE DRECHES DE DISTILLERIE COMPLETES ET AUTRE BIOMASSE ET PROCEDES ASSOCIES**
[72] HUANG, DEJIAN, US
[72] GALVIN, JIM, US
[72] BYRNE, EAMONN, US
[71] LAKEVIEW NUTRITION LLC, US
[85] 2017-05-24
[86] 2015-12-01 (PCT/US2015/063098)
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[30] US (62/086,570) 2014-12-02

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[13] A1

[51] **Int.Cl. G06F 21/53 (2013.01) G06F 9/455 (2006.01) G06F 9/50 (2006.01)**
[25] EN
[54] **MULTI-TENANCY VIA CODE ENCAPSULATED IN SERVER REQUESTS**
[54] **DISPOSITIF MULTI-LOCATAIRES PAR L'INTERMEDIAIRE D'UN CODE ENCAPSULE DANS DES REQUETES DE SERVEUR**
[72] JANCZUK, TOMASZ, US
[72] WOLOSKI, MATIAS, US
[71] AUTH0, INC., US
[85] 2017-05-24
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[30] US (62/084,511) 2014-11-25
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[13] A1

[51] **Int.Cl. A61K 31/445 (2006.01) C07D 487/04 (2006.01) C09B 31/147 (2006.01)**
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[54] **METHODS OF TREATING FIBROSIS**
[54] **PROCEDES DE TRAITEMENT DE LA FIBROSE**
[72] GONZALEZ, TONI JAuset, ES
[72] MASSO-VALLES, DANIEL, ES
[72] SOUCEK, LAURA, ES
[71] PHARMACYCLICS LLC, US
[85] 2017-05-24
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[13] A1

[51] **Int.Cl. F04D 29/06 (2006.01) F04D 1/04 (2006.01) F04D 29/42 (2006.01) F04D 29/44 (2006.01)**
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[54] **HIGH-CAPACITY FLUID PUMP**
[54] **POMPE A FLUIDE A HAUTE CAPACITE**
[72] HANDWERK, GARY, US
[71] US FIRE PUMP COMPANY, L.L.C., US
[85] 2017-05-24
[86] 2015-12-02 (PCT/US2015/063494)
[87] (WO2016/090032)
[30] US (62/086,590) 2014-12-02

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[13] A1

[51] **Int.Cl. G06Q 50/10 (2012.01) G06Q 10/06 (2012.01) G06Q 10/00 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PROVIDING REFERENCE CHECKS**
[54] **PROCEDE ET SYSTEME PERMETTANT DE FOURNIR DES VERIFICATIONS DE REFERENCE**
[72] ANHALT, KEVIN, US
[72] MATTHEWS, SHAWN, CA
[72] MATTHEWS, KAREN, CA
[72] BROWN, TRAVIS, US
[71] AREFCHEX INC., US
[85] 2017-05-24
[86] 2015-11-25 (PCT/US2015/062678)
[87] (WO2016/086133)
[30] US (62/084,320) 2014-11-25

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[13] A1

[51] **Int.Cl. A61N 1/30 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR IMPROVED WOUND HEALING**
[54] **PROCEDE ET APPAREIL POUR CICATRISATION AMELIOREE**
[72] MOWER, MORTON M., US
[71] MOWER, MORTON M., US
[85] 2017-05-24
[86] 2015-12-15 (PCT/US2015/065765)
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[13] A1

[51] **Int.Cl. H01R 13/66 (2006.01)**
[25] EN
[54] **ELECTRICAL DEVICES WITH LONGITUDINAL ELECTRICAL CONDUCTOR ENTRIES**
[54] **DISPOSITIFS ELECTRIQUES AVEC ENTrees DE CONDUCTEUR ELECTRIQUE LONGITUDINALES**
[72] MORTUN, SORIN IOAN, US
[72] PUTORITI, JOHN JOSEPH, US
[71] HUBBELL INCORPORATED, US
[85] 2017-05-24
[86] 2015-11-24 (PCT/US2015/062450)
[87] (WO2016/085996)
[30] US (62/084,798) 2014-11-26

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[13] A1

[51] **Int.Cl. A01N 57/00 (2006.01)**
[25] EN
[54] **SMALL MOLECULE INHIBITORS OF FIBROSIS**
[54] **INHIBITEURS DE FIBROSE A PETITES MOLECULES**
[72] LAIRSON, LUKE, US
[72] CHATTERJEE, ARNAB K., US
[72] BOLLONG, MICHAEL, US
[72] YANG, BAIYUAN, US
[72] SCHULTZ, PETER G., US
[71] THE CALIFORNIA INSTITUTE FOR BIOMEDICAL RESEARCH, US
[71] THE SCRIPPS RESEARCH INSTITUTE, US
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[30] US (62/090,267) 2014-12-10
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[13] A1

[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **PROVIDING MENTOR ASSISTANCE IN AN EMBEDDED MARKETPLACE**
[54] **FOURNITURE D'ASSISTANCE DE MENTOR DANS UN MARCHÉ INTEGRE**
[72] ROMAN, EDWARD, US
[72] GOOD, FOREST, US
[72] RAMOS, GERALDO, US
[72] ANTUNES, ASSIS, US
[71] PLURALSIGHT, LLC, US
[85] 2017-05-24
[86] 2015-11-25 (PCT/US2015/062770)
[87] (WO2016/086187)
[30] US (62/084,238) 2014-11-25

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[13] A1

[51] **Int.Cl. A61F 13/15 (2006.01)**
[25] EN
[54] **WOUND DRESSING**
[54] **PANSEMENT POUR PLAIES**
[72] MOUTON, JACOBUS FREDERICK, ZA
[71] MOUTON, JACOBUS FREDERICK, ZA
[85] 2017-05-24
[86] 2015-11-24 (PCT/ZA2015/050026)
[87] (WO2016/086243)
[30] GB (1420862.3) 2014-11-24

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[13] A1

[51] **Int.Cl. B01D 33/056 (2006.01) B01D 33/044 (2006.01) B65G 15/08 (2006.01) B65G 15/40 (2006.01) F16G 3/07 (2006.01) F16G 3/14 (2006.01)**
[25] EN
[54] **ELONGATE STRUCTURE**
[54] **STRUCTURE ALLONGEE**
[72] COLE, BRADLEY JAMES, AU
[72] GRAHAM, NEIL DERYCK BRAY, AU
[71] Z-FILTER PTY LTD, AU
[85] 2017-05-25
[86] 2015-11-16 (PCT/AU2015/000694)
[87] (WO2016/074026)
[30] AU (2014904590) 2014-11-14

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[54] **ENDOPROTHESE EXPANSIBLE A BALLONNET**
[72] BOHN, JANE K., US
[72] HARTMAN, CODY L., US
[72] KANJICKAL, DEENU G., US
[72] KILGROW, BRET J., US
[72] KOENIG, JOSEPH B., US
[72] NICKERSON, JAMES J., US
[72] TRIEBES, THOMAS G., US
[71] W. L. GORE & ASSOCIATES, INC., US
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[86] 2015-11-25 (PCT/US2015/062799)
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[30] US (62/085,066) 2014-11-26
[30] US (14/950,165) 2015-11-24

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[13] A1

[51] **Int.Cl. A62D 1/00 (2006.01)**
[25] EN
[54] **WATER-ENHANCING, FIRE-SUPPRESSING HYDROGELS**
[54] **HYDROGELS D'EXTINCTION D'INCENDIE AMELIORANT L'EAU**
[72] MARIAMPILLAI, BRIAN, CA
[72] YANG, YUN, CA
[71] FIREREIN INC., CA
[85] 2017-05-25
[86] 2015-11-26 (PCT/CA2015/051235)
[87] (WO2016/082041)
[30] US (62/084,965) 2014-11-26

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[13] A1

[51] **Int.Cl. G01N 23/08 (2006.01) G01N 23/22 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR MATERIAL CHARACTERISATION**
[54] **DISPOSITIF ET PROCEDE DE CARACTERISATION DE MATIERES**
[72] SCOULLAR, PAUL, AU
[72] MCLEAN, CHRISTOPHER, AU
[72] TONISSEN, SHANE, AU
[72] SALEEM, SYED KHUSRO, AU
[72] ALLMAN, BRENDAN, AU
[71] SOUTHERN INNOVATION INTERNATIONAL PTY LTD, AU
[85] 2017-05-25
[86] 2015-11-28 (PCT/AU2015/050752)
[87] (WO2016/082006)
[30] AU (2014268284) 2014-11-30

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[13] A1

[51] **Int.Cl. H01H 31/32 (2006.01) H01H 1/02 (2006.01) H02G 5/00 (2006.01)**
[25] EN
[54] **HIGH VOLTAGE DISCONNECTION TELESCOPIC SWITCHES ISOLATED BY AIR FOR ISOLATED-PHASE BUS**
[54] **INTERRUPTEURS-SECTIONNEURS TELESCOPIQUES A HAUTE TENSION ISOLEES PAR AIR POUR BUS A PHASE ISOLEE**
[72] SOTNIKOV, MIKHAIL, CA
[71] SOTNIKOV, MIKHAIL, CA
[85] 2017-05-25
[86] 2015-11-26 (PCT/CA2015/051236)
[87] (WO2016/082042)
[30] MX (MX/a/2014/014430) 2014-11-26

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[13] A1

[51] **Int.Cl. H01L 21/26 (2006.01) B32B 3/00 (2006.01)**
[25] EN
[54] **LASER INDUCED GRAPHENE HYBRID MATERIALS FOR ELECTRONIC DEVICES**
[54] **MATERIAUX HYBRIDES DE GRAPHENE INDUIT PAR LASER POUR DISPOSITIFS ELECTRONIQUES**
[72] TOUR, JAMES M., US
[72] LI, LEI, US
[72] PENG, ZHIWEI, US
[72] ZHANG, JIBO, US
[71] WILLIAM MARSH RICE UNIVERSITY, US
[85] 2017-05-24
[86] 2015-11-27 (PCT/US2015/062832)
[87] (WO2016/133571)
[30] US (62/085,125) 2014-11-26
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[13] A1

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[25] EN
[54] **HIGH VOLTAGE DISCONNECTION TELESCOPIC SWITCH INSULATED BY AIR WITH A MOVING CONTACT WITH PRESSURE SUPPLY**
[54] **INTERRUPTEUR SECTIONNEUR TELESCOPIQUE HAUTE TENSION ISOLE A L'AIR AVEC UN CONTACT MOBILE A ALIMENTATION EN PRESSION**
[72] SOTNIKOV, MIKHAIL, CA
[71] SOTNIKOV, MIKHAIL, CA
[85] 2017-05-25
[86] 2015-11-26 (PCT/CA2015/051237)
[87] (WO2016/082043)
[30] MX (MX/a/2014/014431) 2014-11-26

[21] **2,968,889**
[13] A1

[51] **Int.Cl. A63B 69/00 (2006.01) A63B 69/12 (2006.01) A63H 33/00 (2006.01)**
[25] EN
[54] **POOL GAME DEVICE, SYSTEM, AND METHOD**
[54] **DISPOSITIF, SYSTEME ET PROCEDE DE JEU DE PISCINE**
[72] PORTNOFF, DARIN, CA
[72] PORTNOFF, RANDALL, CA
[71] PORTNOFF, DARIN, CA
[85] 2017-05-25
[86] 2015-12-09 (PCT/CA2015/051295)
[87] (WO2016/090484)
[30] US (62/090,076) 2014-12-10

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[13] A1

[51] **Int.Cl. H04N 19/00 (2014.01)**
[25] EN
[54] **POLAR CODE RATE MATCHING METHOD AND APPARATUS, AND WIRELESS COMMUNICATIONS DEVICE**
[54] **PROCEDE ET APPAREIL D'ADAPTATION DE DEBIT POUR CODE POLAIRE, ET DISPOSITIF DE COMMUNICATION SANS FIL**
[72] SHEN, HUI, CN
[72] LI, BIN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-05-25
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[87] (WO2016/082142)

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[13] A1

[51] **Int.Cl. G01R 33/381 (2006.01) G01R 33/3875 (2006.01) H01F 41/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ELECTROMAGNET COIL CONSTRUCTION**
[54] **SYSTEME ET PROCEDE POUR LA FABRICATION D'UNE BOBINE D'ELECTRO-AIMANT**
[72] BINDSEIL, GERON, CA
[72] HARRIS, CHAD TYLER, CA
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[85] 2017-05-25
[86] 2014-12-09 (PCT/CA2014/000873)
[87] (WO2016/090453)

[21] **2,968,913**
[13] A1

[51] **Int.Cl. H04B 1/52 (2015.01) H04W 88/02 (2009.01) H04B 1/525 (2015.01)**
[25] EN
[54] **DUPLEXER WITH SIGNAL CANCELLATION**
[54] **DUPLEXEUR AVEC ANNULATION DE SIGNAL**
[72] LAKHANI, ABDUL-KARIM, CA
[72] DAVIS, HARRY, CA
[71] LAKHANI, ABDUL-KARIM, CA
[71] DAVIS, HARRY, CA
[85] 2017-05-25
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[87] (WO2015/077876)
[30] CA (2,834,725) 2013-11-26

[21] **2,968,916**
[13] A1

[51] **Int.Cl. F23M 20/00 (2014.01)**
[25] EN
[54] **RADIANT HEAT CHAMBER FOR BOILERS**
[54] **CHAMBRE A CHALEUR RAYONNANTE POUR CHAUDIERES**
[72] BLANCO GOMEZ, HILARIO, ES
[71] BLANCO GOMEZ, HILARIO, ES
[85] 2017-05-25
[86] 2015-11-25 (PCT/ES2015/000172)
[87] (WO2016/083632)
[30] ES (P201400980) 2014-11-26

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[13] A1

[51] **Int.Cl. A61B 34/20 (2016.01) A61B 5/05 (2006.01) B81B 7/02 (2006.01) G01B 11/00 (2006.01) G01C 19/00 (2013.01) G01P 15/00 (2006.01)**

[25] EN

[54] **SENSOR BASED TRACKING TOOL FOR MEDICAL COMPONENTS**

[54] **OUTIL DE SUIVI BASE SUR UN CAPTEUR POUR ELEMENTS MEDICAUX**

[72] BAI, YANHUI, CA
[72] PIRON, CAMERON, CA
[72] WOOD, MICHAEL, CA
[72] VUONG, THANH, CA
[72] DYER, KELLY, CA
[72] SELA, GAL, CA
[72] PANTHER, ALEXANDER GYLES, CA

[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB

[85] 2017-05-25
[86] 2014-11-25 (PCT/CA2014/051122)
[87] (WO2016/082018)

[21] **2,968,924**
[13] A1

[51] **Int.Cl. F16M 11/42 (2006.01) G03B 15/00 (2006.01) G06K 7/10 (2006.01)**

[25] FR

[54] **ASSEMBLY AND METHOD FOR ASSISTING IN OBTAINING IMAGES OF OBJECTS DISPLAYED ON A MOBILE AND REMOVEABLE SUPPORT**

[54] **ENSEMBLE ET PROCEDURE D'AIDE A LA PRISE DE VUES D'OBJETS PRESENTES SUR UN SUPPORT MOBILE ET AMOVIBLE**

[72] ZYLBERBERG, RAPHAEL, FR
[72] SENTILHES CHOU, GABRIELLE, FR
[71] ALLURE SYSTEMS, FR

[85] 2017-05-25
[86] 2014-12-18 (PCT/FR2014/053424)
[87] (WO2015/092296)
[30] FR (1363292) 2013-12-20

[21] **2,968,926**
[13] A1

[51] **Int.Cl. A61K 9/02 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR DELIVERING A BIO-ACTIVE AGENT OR BIO-ACTIVE AGENTS**

[54] **COMPOSITIONS ET PROCEDES D'ADMINISTRATION D'UN AGENT BIO-ACTIF OU D'AGENTS BIO-ACTIFS**

[72] HALAHMI, IZHAR, IL
[72] ATTAR, ISHAY, IL
[72] SHEETRIT, EYAL, IL
[71] EXIMORE LTD., IL

[85] 2017-05-25
[86] 2015-11-25 (PCT/IB2015/002345)
[87] (WO2016/083891)
[30] US (62/084,387) 2014-11-25

[21] **2,968,929**
[13] A1

[51] **Int.Cl. A61K 31/05 (2006.01) A61K 9/20 (2006.01) A61K 9/22 (2006.01) A61K 31/352 (2006.01) A61K 33/00 (2006.01) A61K 45/06 (2006.01) A61P 35/02 (2006.01)**

[25] EN

[54] **SYNERGISTIC USE OF CANNABIS FOR TREATING MULTIPLE MYELOMA**

[54] **UTILISATION SYNERGIQUE DE CANNABIS POUR LE TRAITEMENT D'UN MYELOME MULTIPLE**

[72] SINAI, ALON, IL
[72] TURNER, ZIV, IL
[71] ONE WORLD CANNABIS LTD, IL

[85] 2017-05-25
[86] 2015-11-24 (PCT/IL2015/051138)
[87] (WO2016/084075)
[30] US (62/084,568) 2014-11-26

[21] **2,968,932**
[13] A1

[51] **Int.Cl. B23K 9/23 (2006.01) B23K 9/02 (2006.01) C22C 18/04 (2006.01) C23C 2/06 (2006.01)**

[25] EN

[54] **ARC WELDING METHOD FOR ZN PLATED STEEL SHEET AND ARC WELDED JOINT**

[54] **PROCEDE DE SOUDAGE A L'ARC POUR TOLE D'ACIER PLAQUEE DE ZN ET RACCORD SOUDE A L'ARC**

[72] NOBUTOKI, TOMOKAZU, JP
[72] HOSOMI, KAZUAKI, JP
[71] NISSHIN STEEL CO., LTD., JP

[85] 2017-05-25
[86] 2015-07-31 (PCT/JP2015/071744)
[87] (WO2016/084423)
[30] JP (2014-240402) 2014-11-27

[21] **2,968,935**
[13] A1

[51] **Int.Cl. C07D 231/56 (2006.01) A61K 31/343 (2006.01) A61K 31/381 (2006.01) A61K 31/416 (2006.01) A61K 31/423 (2006.01) A61K 31/428 (2006.01) A61K 31/437 (2006.01) A61K 31/443 (2006.01) A61K 31/4439 (2006.01) A61K 31/497 (2006.01) A61K 31/501 (2006.01) A61K 31/517 (2006.01) A61K 31/5377 (2006.01) A61P 1/02 (2006.01) A61P 1/04 (2006.01) A61P 1/12 (2006.01) A61P 1/16 (2006.01) A61P 1/18 (2006.01) A61P 3/00 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) A61P 5/50 (2006.01) A61P 7/00 (2006.01) A61P 9/00 (2006.01) A61P 9/04 (2006.01) A61P 9/10 (2006.01) A61P 9/12 (2006.01) A61P 11/00 (2006.01) A61P 13/10 (2006.01) A61P 13/12 (2006.01) A61P 15/08 (2006.01) A61P 19/02 (2006.01) A61P 19/06 (2006.01) A61P 19/10 (2006.01) A61P 21/00 (2006.01) A61P 21/04 (2006.01) A61P 25/00 (2006.01) A61P 25/16 (2006.01) A61P 25/22 (2006.01) A61P 25/28 (2006.01) A61P 27/02 (2006.01) A61P 27/16 (2006.01) A61P 29/00 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) A61P 43/00 (2006.01) C07D 263/54 (2006.01) C07D 307/81 (2006.01) C07D 333/56 (2006.01) C07D 401/04 (2006.01) C07D 403/04 (2006.01) C07D 405/04 (2006.01) C07D 413/04 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 417/04 (2006.01) C07D 471/04 (2006.01) C07D 498/04 (2006.01) C12N 15/09 (2006.01)**

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[25] EN [54] BICYCLIC COMPOUND [54] COMPOSE BICYCLIQUE [72] MIZOJIRI, RYO, JP [72] BANNO, HIROSHI, JP [72] ASANO, MORITERU, JP [72] TOMITA, DAISUKE, JP [72] NII, NORIYUKI, JP [72] MAEZAKI, HIRONOBU, JP [72] TAWADA, MICHIKO, JP [71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP [85] 2017-05-25 [86] 2015-11-25 (PCT/JP2015/082974) [87] (WO2016/084816) [30] JP (2014-239376) 2014-11-26	[21] 2,968,940 [13] A1 [51] Int.Cl. E21B 10/46 (2006.01) [25] EN [54] DRILL BIT BUTTON INSERT AND DRILL BIT [54] POINTE DE FORET ET FORET [72] AKHMADI EKO, WARDOYO, JP [72] MATSUO, TOSHIHIKO, JP [72] SAKURAZAWA, CHIHIRO, JP [71] MITSUBISHI MATERIALS CORPORATION, JP [85] 2017-05-25 [86] 2015-11-26 (PCT/JP2015/083276) [87] (WO2016/084914) [30] JP (2014-240087) 2014-11-27 [30] JP (2015-230103) 2015-11-25	[21] 2,968,950 [13] A1 [51] Int.Cl. C05F 11/08 (2006.01) [25] EN [54] PROBIOTIC INFUSED LIGNOCELLULOSIC SOIL AMENDMENT AND GROWTH MEDIUM [54] AMENDEMENT DE SOL LIGNOCELLULOSIQUE IMPREGNE DE PROBIOTIQUE D'UN PRODUIT D'AMENDEMENT DU SOL LIGNOCELLULOSIQUE ET MILIEU DE CROISSANCE [72] WARD, PAULA MARIE L., US [71] WARD, PAULA MARIE L., US [85] 2017-05-25 [86] 2014-12-19 (PCT/US2014/071534) [87] (WO2015/095722) [30] US (61/918,074) 2013-12-19 [30] US (62/055,304) 2014-09-25
[21] 2,968,939 [13] A1 [51] Int.Cl. A61K 48/00 (2006.01) C12N 15/85 (2006.01) [25] EN [54] SYSTEMS AND METHODS FOR GENOME MODIFICATION AND REGULATION [54] SYSTEMES ET PROCEDES DE MODIFICATION ET DE REGULATION DU GENOME [72] NOVINA, CARL, US [72] MEISTER, GLENNA, US [72] OSTERMEIER, MARC, US [72] XIONG, TINA, US [71] THE JOHNS HOPKINS UNIVERSITY, US [71] DANA-FARBER CANCER INSTITUTE, INC., US [85] 2017-05-25 [86] 2015-12-24 (PCT/IB2015/059984) [87] (WO2016/103233) [30] US (62/096,766) 2014-12-24 [30] US (62/143,080) 2015-04-04 [30] US (62/186,862) 2015-06-30	[21] 2,968,941 [13] A1 [51] Int.Cl. E21B 43/12 (2006.01) E21B 21/08 (2006.01) F04D 13/10 (2006.01) [25] EN [54] ISOLATED THRUST CHAMBER FOR ESP SEAL SECTION [54] CHAMBRE DE POUSSEE ISOLEE POUR SECTION DE JOINT ESP [72] COLLINS, CHARLES, US [72] SAKAMOTO, STEPHEN, US [72] GARCIA, RENE, US [71] GE OIL & GAS ESP, INC., US [85] 2017-05-25 [86] 2014-12-03 (PCT/US2014/068432) [87] (WO2016/089399)	[21] 2,968,952 [13] A1 [51] Int.Cl. E21B 7/06 (2006.01) E21B 7/08 (2006.01) E21B 47/02 (2006.01) [25] EN [54] MITIGATING STICK-SLIP EFFECTS IN ROTARY STEERABLE TOOLS [54] ATTENUATION D'EFFETS DE BROUTAGE DANS DES OUTILS ROTATIFS ORIENTABLES [72] NANAYAKKARA, RAVI P., US [72] DEOLALIKAR, NEELESH, US [72] WINSLOW, DANIEL MARTIN, US [71] HALLIBURTON ENERGY SERVICES, INC., US [85] 2017-05-25 [86] 2014-12-29 (PCT/US2014/072572) [87] (WO2016/108824)
[21] 2,968,942 [13] A1 [51] Int.Cl. F04D 13/10 (2006.01) F04D 29/10 (2006.01) [25] EN [54] MECHANICAL SEAL PROTECTOR FOR ESP SEAL SECTIONS [54] PROTECTEUR DE JOINT D'ETANCHEITE MECANIQUE POUR SECTIONS DE JOINT D'ETANCHEITE DE POMPE SUBMERSIBLE ELECTRIQUE [72] COLLINS, CHARLES, US [72] LE, JAMES, US [71] GE OIL & GAS ESP, INC., US [85] 2017-05-25 [86] 2014-12-05 (PCT/US2014/068905) [87] (WO2016/089426)		

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[21] **2,968,953**
[13] A1

[51] **Int.Cl. E21B 47/00 (2012.01) G01V 3/18 (2006.01) G01V 3/38 (2006.01)**

[25] EN

[54] **SUBTERRANEAN FORMATION CHARACTERIZATION USING MICROELECTROMECHANICAL SYSTEM (MEMS) DEVICES**

[54] **CARACTERISATION DE FORMATION SOUTERRAINE UTILISANT DES DISPOSITIFS A SYSTEMES MICRO-ELECTROMECHANIQUES (MEMS)**

[72] GALLIANO, CLINTON CHERAMIE, US

[72] ROWE, MATHEW DENNIS, US

[72] GRAVES, WALTER VARNEY ANDREW, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-05-25

[86] 2014-12-30 (PCT/US2014/072774)

[87] (WO2016/108850)

[21] **2,968,954**
[13] A1

[51] **Int.Cl. A61K 47/26 (2006.01) A61K 47/30 (2006.01) A61K 47/38 (2006.01)**

[25] EN

[54] **COMPOSITIONS CONTAINING AMBIENT-TEMPERATURE STABLE, INACTIVATED BUT THERAPEUTICALLY ACTIVE BIOPHARMACEUTICALS & METHODS FOR FORMULATION THEREOF**

[54] **COMPOSITIONS CONTENANT DES PRODUITS BIOPHARMACEUTIQUES INACTIVES MAIS THERAPEUTIQUEMENT ACTIFS, STABLES A TEMPERATURE AMBIANTE ET PROCEDES DE FORMULATION ASSOCIES**

[72] BRONSHTEIN, VICTOR, US

[71] UNIVERSAL STABILIZATION TECHNOLOGIES, INC., US

[85] 2017-05-25

[86] 2015-09-28 (PCT/US2015/052710)

[87] (WO2016/049651)

[30] US (62/056,415) 2014-09-26

[30] US (14/665,107) 2015-03-23

[21] **2,968,961**
[13] A1

[51] **Int.Cl. A61K 51/04 (2006.01) A61K 51/08 (2006.01) C07B 59/00 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR 18F-RADIOLABELING OF BIOLOGICS**

[54] **METHODES ET COMPOSITIONS POUR RADIOMARQUAGE AU 18F DE PRODUITS BIOLOGIQUES**

[72] DONNELLY, DAVID, US

[71] BRISTOL-MYERS SQUIBB COMPANY, US

[85] 2017-05-25

[86] 2015-11-24 (PCT/US2015/062502)

[87] (WO2016/086036)

[30] US (62/084,366) 2014-11-25

[21] **2,968,967**
[13] A1

[51] **Int.Cl. B05D 3/14 (2006.01) B32B 27/18 (2006.01) C08J 5/18 (2006.01)**

[25] EN

[54] **ELECTRIC FIELD ALIGNMENT IN POLYMER SOLUTIONS**

[54] **ALIGNEMENT SELON UN CHAMP ELECTRIQUE DANS DES SOLUTIONS POLYMERES**

[72] BATRA, SAURABH, US

[72] CAKMAK, MUKERREM, US

[72] GUO, YUANHAO, US

[71] THE UNIVERSITY OF AKRON, US

[85] 2017-05-25

[86] 2015-11-25 (PCT/US2015/062589)

[87] (WO2016/086089)

[30] US (62/084,956) 2014-11-26

[21] **2,968,970**
[13] A1

[51] **Int.Cl. E01H 4/02 (2006.01)**

[25] EN

[54] **PULL BEHIND ICE RESURFACING MACHINE AND METHOD FOR USE**

[54] **MACHINE DE RESURFACAGE DE GLACE REMORQUEE ET PROCEDE D'UTILISATION**

[72] VAN EIJL, PAUL J., US

[72] CHRIST, KEVIN G., US

[72] VAN EIJL, DAVE, US

[71] VAN EIJL, PAUL J., US

[71] CHRIST, KEVIN G., US

[71] VAN EIJL, DAVE, US

[85] 2017-05-25

[86] 2015-11-25 (PCT/US2015/062600)

[87] (WO2016/086094)

[30] US (62/085,186) 2014-11-26

[21] **2,968,971**
[13] A1

[51] **Int.Cl. D06F 49/00 (2006.01)**

[25] EN

[54] **CENTRIFUGAL SEPARATOR**

[54] **SEPARATEUR CENTRIFUGE**

[72] HOFFMAN, LINDSAY A., US

[72] HOFFMAN, HUGH J., US

[72] NOWAK, AMBER D., US

[72] SLOWIK, STEVEN C., US

[72] SCOLA, MICHAEL J., US

[72] MILLER, BENJAMIN D., US

[71] EXTRACTOR CORPORATION, US

[85] 2017-05-25

[86] 2015-11-25 (PCT/US2015/062789)

[87] (WO2016/086198)

[30] US (14/555,081) 2014-11-26

[21] **2,968,973**
[13] A1

[51] **Int.Cl. A01N 25/00 (2006.01)**

[25] EN

[54] **NOVEL DITERPENE GLYCOSIDES, COMPOSITIONS AND PURIFICATION METHODS**

[54] **NOUVEAUX DITERPENE GLYCOSIDES, COMPOSITIONS ET PROCEDES DE PURIFICATION**

[72] PRAKASH, INDRA, US

[72] BUNDERS, CYNTHIA, US

[71] THE COCA-COLA COMPANY, US

[85] 2017-05-25

[86] 2015-11-30 (PCT/US2015/062963)

[87] (WO2016/086233)

[30] US (62/085,513) 2014-11-29

[30] US (62/138,103) 2015-03-25

[21] **2,968,974**
[13] A1

[51] **Int.Cl. G06F 15/16 (2006.01)**

[25] EN

[54] **NAVIGATION CONTROL FOR NETWORK CLIENTS**

[54] **COMMANDE DE NAVIGATION POUR CLIENTS DE RESEAU**

[72] MEALEY, JUSTIN, US

[71] PLEENQ, LLC, US

[85] 2017-05-25

[86] 2015-11-30 (PCT/US2015/063024)

[87] (WO2016/089780)

[30] US (14/557,064) 2014-12-01

[30] US (14/816,841) 2015-08-03

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[21] 2,968,980
[13] A1

[51] **Int.Cl. A61K 31/557 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING 15-HEPE AND METHODS OF TREATING OR PREVENTING FIBROSIS USING SAME**

[54] **COMPOSITIONS COMPRENANT LE 15-HEPE ET METHODES DE TRAITEMENT OU DE PREVENTION DE LA FIBROSE A L'AIDE DE CELLES-CI**

[72] ROWE, JONATHAN, US
[72] DUFFY, KEVIN, IE
[72] CLIMAX, JOHN, IE
[71] AFIMMUNE LIMITED, IE
[85] 2017-05-25
[86] 2015-12-02 (PCT/US2015/063488)
[87] (WO2016/090030)
[30] US (62/086,535) 2014-12-02

[21] 2,968,981
[13] A1

[51] **Int.Cl. C07D 307/12 (2006.01) C07B 31/00 (2006.01) C07C 29/132 (2006.01) C07C 29/60 (2006.01) C07C 31/20 (2006.01) C07C 31/22 (2006.01) C07D 307/28 (2006.01) C07D 307/42 (2006.01)**

[25] EN
[54] **PROCESS FOR PRODUCTION OF HEXANETRIOL FROM 5-HYDROXYMETHYLFURFURAL**

[54] **PROCEDE POUR LA PRODUCTION D'HEXANETRIOL A PARTIR DE 5-HYDROXYMETHYLFURFURAL**

[72] SOKOLOVSKII, VALERY, US
[72] LAVRENKO, MAYYA, US
[72] HAGEMEYER, ALFRED, US
[72] DIAS, ERIC L., US
[72] MURPHY, VINCENT J., US
[72] SHOEMAKER, JAMES A.W., US
[71] RENNOVIA INC., US
[85] 2017-05-25
[86] 2015-12-02 (PCT/US2015/063544)
[87] (WO2016/090054)
[30] US (62/086,651) 2014-12-02

[21] 2,968,982
[13] A1

[51] **Int.Cl. A61M 16/06 (2006.01) A61M 11/06 (2006.01) A61M 16/08 (2006.01) A61M 16/14 (2006.01) A61M 16/20 (2006.01)**

[25] EN
[54] **MODULAR PULMONARY TREATMENT SYSTEM**

[54] **SYSTEME DE TRAITEMENT PULMONAIRE MODULAIRE**

[72] DHUPER, SUNIL KUMAR, US
[72] MARLER, GREG, US
[71] AEON RESEARCH AND TECHNOLOGY, LLC, US
[85] 2017-05-25
[86] 2015-12-03 (PCT/US2015/063800)
[87] (WO2016/090171)
[30] US (62/088,139) 2014-12-05
[30] US (62/143,506) 2015-04-06

[21] 2,968,983
[13] A1

[51] **Int.Cl. A61L 2/08 (2006.01)**
[25] EN
[54] **PASTEURIZED PAINTS AND METHOD FOR PASTEURIZING PAINTS**

[54] **PASTEURISATION DE PEINTURES, ET PROCEDE DE PASTEURISATION DE PEINTURES**

[72] SHEERIN, ROBERT, US
[72] SIEGFRIED, DAVID L., US
[72] MARDIS, WILBUR, US
[72] RITZE, JOHN, US
[72] TILARA, NAVIN, US
[71] BENJAMIN MOORE & CO., US
[85] 2017-05-25
[86] 2015-11-25 (PCT/US2015/062664)
[87] (WO2016/089696)
[30] US (62/087,595) 2014-12-04
[30] US (62/219,800) 2015-09-17

[21] 2,968,985
[13] A1

[51] **Int.Cl. G06F 17/30 (2006.01)**
[25] EN
[54] **DETAILED ASSAY PROTOCOL SPECIFICATION**

[54] **SPECIFICATION DETAILLEE DE PROTOCOLE DE DOSAGE**

[72] TORGERSON, DAVID R., US
[72] FISHER, MATTHEW S., US
[71] LUMINEX CORPORATION, US
[85] 2017-05-25
[86] 2015-12-09 (PCT/US2015/064810)
[87] (WO2016/100046)
[30] US (62/092,121) 2014-12-15

[21] 2,968,987
[13] A1

[51] **Int.Cl. C07K 14/735 (2006.01) C07K 16/46 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **SOLUBLE UNIVERSAL ADCC-ENHANCING SYNTHETIC FUSION GENE AND PEPTIDE TECHNOLOGY AND ITS USE THEREOF**

[54] **GENE DE FUSION SYNTHETIQUE UNIVERSEL SOLUBLE AMELIORANT L'ADCC ET SON UTILISATION**

[72] LI, CHIANG J., US
[72] UNNIRAMAN, SHYAM, US
[71] I GLOBE BIOMEDICAL CO., LTD., CN
[85] 2017-05-25
[86] 2015-12-08 (PCT/US2015/064572)
[87] (WO2016/094456)
[30] US (62/089,097) 2014-12-08
[30] US (62/200,557) 2015-08-03

[21] 2,968,990
[13] A1

[51] **Int.Cl. A61K 51/00 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **RADIOSENSITIVITY OF FLUOROPHORES AND USE OF RADIOPROTECTIVE AGENTS FOR DUAL-MODALITY IMAGING**

[54] **RADIOSENSIBILITE DE FLUOROPHORES ET UTILISATION D'AGENTS RADIOPROTECTEURS POUR IMAGERIE A DOUBLE MODALITE**

[72] HERNANDEZ, REINIER, US
[72] RIJPKEMA, MARK, US
[72] BOERMAN, OTTO C., US
[72] MCBRIDE, WILLIAM J., US
[72] GOLDENBERG, DAVID M., US
[71] IMMUNOMEDICS, INC., US
[85] 2017-05-25
[86] 2015-12-09 (PCT/US2015/064680)
[87] (WO2016/111797)
[30] US (62/101,508) 2015-01-09

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[21] **2,968,991**
[13] A1

[51] **Int.Cl. G01F 1/66 (2006.01) G01P 5/24 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR FLUID FLOW RATE MEASUREMENT**
[54] **PROCEDE ET SYSTEME DE MESURE DE DEBIT DE FLUIDE**
[72] GESTNER, BRIAN, US
[71] SONETER, INC., US
[85] 2017-05-25
[86] 2016-05-13 (PCT/US2016/032401)
[87] (WO2016/187020)
[30] US (62/162,568) 2015-05-15
[30] US (14/741,124) 2015-06-16

[21] **2,968,993**
[13] A1

[51] **Int.Cl. E04F 15/02 (2006.01) E04B 1/24 (2006.01) E04D 13/12 (2006.01) E04G 3/22 (2006.01) E04H 3/24 (2006.01) F16M 5/00 (2006.01) F24F 13/32 (2006.01)**
[25] EN
[54] **A MODULAR PLATFORM ASSEMBLY AND A METHOD OF ASSEMBLING A MODULAR PLATFORM**
[54] **ENSEMBLE PLATE-FORME MODULAIRE ET PROCEDE D'ASSEMBLAGE DE PLATE-FORME MODULAIRE**
[72] PRIDHAM, ANDREW, AU
[71] PRIDHAM, ANDREW, AU
[85] 2017-05-26
[86] 2015-11-23 (PCT/AU2015/000705)
[87] (WO2016/081974)
[30] AU (2014101401) 2014-11-26

[21] **2,968,995**
[13] A1

[51] **Int.Cl. C07H 15/203 (2006.01) A61K 39/385 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C07H 15/10 (2006.01) C07K 16/44 (2006.01) C12P 19/44 (2006.01)**
[25] EN
[54] **ANTI-GANGLIOSIDE COMPOUND FOR TARGETING CANCER AND GENERATING ANTIBODIES**
[54] **COMPOSE ANTIGANGLIOSIDE POUR LE CIBLER LE CANCER ET GENERER DES ANTICORPS**
[72] SARAGOVI, URI H., CA
[72] TONG, WENYONG, US
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY, CA
[85] 2017-05-26
[86] 2014-12-04 (PCT/CA2014/051165)
[87] (WO2015/081438)
[30] US (61/912,684) 2013-12-06

[21] **2,968,996**
[13] A1

[51] **Int.Cl. G01B 9/02 (2006.01) G01B 11/16 (2006.01) G01D 5/32 (2006.01)**
[25] EN
[54] **OPTICAL INTERROGATOR FOR PERFORMING INTERFEROMETRY USING FIBER BRAGG GRATINGS**
[54] **INTERROGATEUR OPTIQUE PERMETTANT DE REALISER UNE INTERFEROMETRIE AU MOYEN DE RESEAUX DE BRAGG SUR FIBRE**
[72] MOORE, BRIAN H., CA
[72] SHAKESPEARE, WALTER JEFFREY, US
[72] WALLACE, PHILLIP WILLIAM, US
[72] HOANG, VIET, CA
[72] CLEMENT, TOM, CA
[71] HIFI ENGINEERING INC., CA
[85] 2017-05-26
[86] 2015-12-04 (PCT/CA2015/051269)
[87] (WO2016/086310)
[30] US (62/087,669) 2014-12-04
[30] US (62/207,251) 2015-08-19

[21] **2,968,997**
[13] A1

[51] **Int.Cl. G01S 5/00 (2006.01) G01S 1/00 (2006.01) G01S 1/02 (2010.01) G01S 5/14 (2006.01) G01S 7/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SENSING INTERIOR SPACES TO AUTO-GENERATE A NAVIGATIONAL MAP**
[54] **PROCEDE ET SYSTEME DE DETECTION D'ESPACES INTERIEURS POUR GENERER AUTOMATIQUEMENT UNE CARTE DE NAVIGATION**
[72] WU, JAMES, CA
[72] GAMBLER, JASON, CA
[72] MACGILLIVRAY, MATT, CA
[71] INnersPACE TECHNOLOGY INC., CA
[85] 2017-05-26
[86] 2015-12-17 (PCT/CA2015/051343)
[87] (WO2016/095050)
[30] US (62/093,837) 2014-12-18

[21] **2,969,000**
[13] A1

[51] **Int.Cl. B64D 11/06 (2006.01)**
[25] EN
[54] **CONVERTIBLE SEATING UNIT**
[54] **UNITE DE SIEGE CONVERTIBLE**
[72] LEE, JAMES SHING HIN, CN
[71] BUTTERFLY FLEXIBLE SEATING SOLUTIONS LIMITED, CN
[85] 2017-05-26
[86] 2013-12-03 (PCT/CN2013/088432)
[87] (WO2015/081496)

[21] **2,969,001**
[13] A1

[51] **Int.Cl. H01Q 1/48 (2006.01)**
[25] EN
[54] **ANTENNA COMPONENT, ANTENNA, AND SMALL CELL DEVICE**
[54] **ENSEMBLE ANTENNE, ANTENNE, ET STATION DE BASE DE PETITE CELLULE**
[72] ZHAO, SHUCHEN, CN
[72] SHI, RONGTAO, CN
[72] DENG, CHANGSHUN, CN
[72] LONG, KE, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-05-26
[86] 2014-11-27 (PCT/CN2014/092336)
[87] (WO2016/082137)

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[21] **2,969,002**
[13] A1

[51] **Int.Cl. C08L 23/06 (2006.01) C08J 9/00 (2006.01) H01B 3/30 (2006.01)**

[25] EN

[54] **PROCESS FOR FOAMING POLYOLEFIN COMPOSITIONS USING A FLUORORESIN AS A NUCLEATING AGENT**

[54] **PROCEDE POUR LE MOUSSAGE DE COMPOSITIONS DE POLYOLEFINE AU MOYEN D'UNE FLUORORESINE EN TANT QU'AGENT DE NUCLEATION**

[72] SUN, GANGWEI, CN
[72] ESSEGHIR, MOHAMED, US
[72] KMIEC, CHESTER J., US
[72] YING, LEI, CN
[72] SUN, YABIN, CN
[72] XU, XIAN MIN, CN
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2017-05-26
[86] 2014-11-28 (PCT/CN2014/092555)
[87] (WO2016/082210)

[21] **2,969,004**
[13] A1

[51] **Int.Cl. C08K 5/16 (2006.01) C08J 9/00 (2006.01) C08L 23/06 (2006.01) C08L 27/18 (2006.01)**

[25] EN

[54] **PROCESS FOR FOAMING POLYOLEFIN COMPOSITIONS USING A FLUORORESIN/AZODICARBONAMIDE MIXTURE AS A NUCLEATING AGENT**

[54] **PROCEDE D'EXPANSION DE COMPOSITIONS DE POLYOLEFINE A L'AIDE D'UN MELANGE DE RESINE FLUOREE/AZODICARBONAMIDE A TITRE D'AGENT DE NUCLEATION**

[72] SUN, GANGWEI, CN
[72] ESSEGHIR, MOHAMED, US
[72] KMIEC, CHESTER J., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2017-05-26
[86] 2014-11-28 (PCT/CN2014/092557)
[87] (WO2016/082211)

[21] **2,969,005**
[13] A1

[51] **Int.Cl. H01B 3/44 (2006.01) C08L 23/06 (2006.01) C08L 27/18 (2006.01)**

[25] EN

[54] **PROCESS FOR FOAMING POLYOLEFIN COMPOSITIONS USING FLUORORESIN/CITRATE MIXTURE AS NUCLEATING AGENT**

[54] **PROCEDE DE MOUSSAGE DE COMPOSITIONS POLYOLEFINIQUES FAISANT INTERVENIR UN MELANGE DE RESINE FLUOREE ET DE CITRATE COMME AGENT DE NUCLEATION**

[72] SUN, GANGWEI, CN
[72] ESSEGHIR, MOHAMED, US
[72] XU, XIAN MIN, CN
[72] KMIEC, CHESTER J., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2017-05-26
[86] 2014-11-28 (PCT/CN2014/092558)
[87] (WO2016/082212)

[21] **2,969,010**
[13] A1

[51] **Int.Cl. A61K 33/26 (2006.01) A61K 9/08 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 31/198 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01)**

[25] EN

[54] **USE OF COMPOSITION CONTAINING IRON (II) AMINO ACID CHELATE IN PREPARING DRUG FOR REGULATING AND CONTROLLING FAT METABOLISM**

[54] **UTILISATION D'UNE COMPOSITION CONTENANT DU CHELATE D'ACIDE AMINE DE FER (II) DANS LA PREPARATION D'UN MEDICAMENT DESTINE A REGULER ET A CONTROLER LE METABOLISME DES GRAISSES**

[72] LIN, TSUN-YUAN, CN
[72] JAN, HSUN-JIN, CN
[72] FU, CHAI-HUI, CN
[72] CHEN, TSANG-TSE, CN
[72] CHEN, MU-KUEI, CN
[72] LEE, HORNG-MO, CN
[71] PROFEAT BIOTECHNOLOGY CO., LTD., CN
[85] 2017-05-26
[86] 2014-12-01 (PCT/CN2014/092688)
[87] (WO2016/086338)

[21] **2,969,011**
[13] A1

[51] **Int.Cl. H02H 7/18 (2006.01)**

[25] EN

[54] **CHARGING PROTECTION METHOD AND APPARATUS**

[54] **PROCEDE ET APPAREIL DE PROTECTION DE CHARGE**

[72] WEN, CHONG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-05-26
[86] 2014-12-31 (PCT/CN2014/095733)
[87] (WO2016/106616)

[21] **2,969,012**
[13] A1

[51] **Int.Cl. F26B 7/00 (2006.01) F26B 11/00 (2006.01)**

[25] EN

[54] **BIOMASS FUEL DRYING METHOD AND DEVICE THEREOF USING MOBILE VEHICLE PLATFORM**

[54] **PROCEDE ET DISPOSITIF DE SECHAGE DE COMBUSTIBLE DE BIOMASSE UTILISANT UNE PLATE-FORME DE VEHICULE MOBILE**

[72] CHEN, YILONG, CN
[72] HU, SHUCHUAN, CN
[72] ZHANG, YANFENG, CN
[71] ZHONGYING CHANGJIANG INTERNATIONAL NEW ENERGY INVESTMENT CO., LTD., CN
[85] 2017-05-26
[86] 2015-10-22 (PCT/CN2015/092502)
[87] (WO2016/082638)
[30] CN (201410712312.5) 2014-11-28

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[13] A1
[51] **Int.Cl. A61K 9/14 (2006.01) A61K 9/20 (2006.01) A61K 31/135 (2006.01) A61K 31/485 (2006.01) A61K 47/14 (2017.01) A61K 47/32 (2006.01) A61K 47/34 (2017.01) A61K 47/36 (2006.01) A61K 47/38 (2006.01) A61P 25/00 (2006.01) A61P 25/04 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION HAVING ABUSE DETERRENT PROPERTIES**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT UNE FONCTION DE PREVENTION D'ABUS**
[72] YADA, SHUICHI, JP
[72] HAYAKAWA, RYOICHI, JP
[72] ITO, ATSUTOSHI, JP
[72] YANO, HIDEKI, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
[85] 2017-05-25
[86] 2016-06-29 (PCT/JP2016/069190)
[87] (WO2017/002829)
[30] JP (2015-130840) 2015-06-30

[21] **2,969,014**
[13] A1
[51] **Int.Cl. H05B 1/02 (2006.01) A41D 13/005 (2006.01)**
[25] EN
[54] **ADAPTIVE ELECTROTHERMAL SYSTEM AND ELECTROTHERMAL APPAREL**
[54] **SYSTEME ELECTROTHERMIQUE ADAPTATIF ET VETEMENT ELECTROTHERMIQUE**
[72] HUNG, YUEN, CN
[72] SUM, HO MAN, CN
[71] HUNG, YUEN, CN
[71] SUM, HO MAN, CN
[85] 2017-05-26
[86] 2015-10-22 (PCT/CN2015/092517)
[87] (WO2016/066049)
[30] US (14/526,758) 2014-10-29

[21] **2,969,016**
[13] A1
[51] **Int.Cl. B29C 49/22 (2006.01) B29B 11/14 (2006.01) B29C 49/24 (2006.01)**
[25] EN
[54] **COMPOSITE PREFORM, COMPOSITE CONTAINER, COMPOSITE PREFORM, PLASTIC MEMBER, AND METHOD FOR PRODUCING COMPOSITE CONTAINER**
[54] **PREFORME COMPOSITE, RECIPIENT COMPOSITE, PREFORME COMPOSITE, ELEMENT EN PLASTIQUE ET PROCEDE DE PRODUCTION D'UN RECIPIENT COMPOSITE**
[72] MIYAWAKI, TAKUMA, JP
[72] SUGA, YUSUKE, JP
[71] DAI NIPPON PRINTING CO., LTD., JP
[85] 2017-05-25
[86] 2015-12-04 (PCT/JP2015/084194)
[87] (WO2016/093177)
[30] JP (2014-248153) 2014-12-08
[30] JP (2014-255419) 2014-12-17
[30] JP (2014-256524) 2014-12-18
[30] JP (2014-257737) 2014-12-19
[30] JP (2014-261339) 2014-12-24
[30] JP (2014-262682) 2014-12-25
[30] JP (2014-262913) 2014-12-25
[30] JP (2014-262799) 2014-12-25
[30] JP (2014-262738) 2014-12-25
[30] JP (2014-264979) 2014-12-26

[21] **2,969,024**
[13] A1
[51] **Int.Cl. A61K 39/39 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **ADJUVANT COMPOSITION**
[54] **COMPOSITION D'ADJUVANT**
[72] SEYA, TSUKASA, JP
[72] MATSUMOTO, MISAKO, JP
[71] NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY, JP
[85] 2017-05-25
[86] 2015-12-01 (PCT/JP2015/083825)
[87] (WO2016/088784)
[30] JP (2014-244421) 2014-12-02

[21] **2,969,037**
[13] A1
[51] **Int.Cl. B64G 1/44 (2006.01)**
[25] FR
[54] **RADIATOR DEPLOYABLE FOR A SATELLITE STABILIZED ON THREE AXES**
[54] **RADIATEUR DEPLOYABLE POUR SATELLITE STABILISE TROIS AXES**
[72] LEMAIRE, JEROME, FR
[72] MIEGEVILLE, YANN, FR
[71] CENTRE NATIONAL D'ETUDES SPATIALES CNES, FR
[71] AIRBUS DEFENCE AND SPACE SAS, FR
[71] THALES, FR
[85] 2017-05-26
[86] 2014-12-15 (PCT/EP2014/077746)
[87] (WO2015/086851)
[30] FR (1362606) 2013-12-13

[21] **2,969,065**
[13] A1
[51] **Int.Cl. G06F 15/173 (2006.01)**
[25] EN
[54] **LOCAL AND TEMPORAL METHOD AND SYSTEM OF BROADCASTING VIA PEER-TO-PEER NETWORK**
[54] **PROCEDE ET SYSTEME TEMPORELS ET LOCAUX DE DIFFUSION PAR L'INTERMEDIAIRE D'UN RESEAU POSTE-A-POSTE**
[72] CHEN, JACK, US
[72] BUTLER, CIMON, US
[72] COZZA, LUCA, US
[72] KUMAR, SUMIT, IN
[72] UPADHYAY, ALOK, IN
[72] CHAND, SUBHASH, IN
[71] LOUD-HAILER, INC., US
[85] 2017-05-25
[86] 2015-11-24 (PCT/US2015/062304)
[87] (WO2016/085917)
[30] US (62/084,342) 2014-11-25
[30] US (62/193,461) 2015-07-16
[30] US (62/243,972) 2015-10-20

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[21] **2,969,070**
[13] A1

[51] **Int.Cl. B09B 3/00 (2006.01) B30B 11/24 (2006.01) C08J 11/00 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR UTILIZATION OF PLASTIC AND OTHER WASTE MATERIALS**

[54] **METHODE ET APPAREIL D'UTILISATION DE PLASTIQUE ET D'AUTRES MATERIAUX DECHETS**

[72] GELENCSEER, GABOR, HU
[71] GELENCSEER, GABOR, HU
[85] 2017-05-26
[86] 2014-03-25 (PCT/IB2014/000422)
[87] (WO2015/145189)

[21] **2,969,075**
[13] A1

[51] **Int.Cl. H01B 1/20 (2006.01) B82Y 30/00 (2011.01) C08J 3/20 (2006.01) C08K 3/08 (2006.01) C08L 101/12 (2006.01) H01B 1/22 (2006.01)**

[25] EN

[54] **METHOD OF PROVIDING ELECTRICAL CONDUCTIVITY PROPERTIES IN BIOCOMPOSITE MATERIALS**

[54] **PROCEDE PERMETTANT DE CONFERER DES PROPRIETES DE CONDUCTIVITE ELECTRIQUE A DES MATERIAUX BIOCOMPOSITES**

[72] HENRY, JAMES, CA
[72] PANIGRAHI, SATYANARAYAN, CA
[72] LAL KUSHWAHA, RADHEY, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[85] 2017-05-26
[86] 2015-04-29 (PCT/IB2015/000725)
[87] (WO2016/156907)
[30] US (14/677,638) 2015-04-02

[21] **2,969,078**
[13] A1

[51] **Int.Cl. G01N 13/00 (2006.01) G01N 21/77 (2006.01)**

[25] EN

[54] **MULTIPLEX BEAD ARRAY ASSAY**

[54] **ESSAI A RESEAU DE BILLES MULTIPLEX**

[72] DOU, JAMES JIAHUA, CA
[72] CHEN, LU, CA
[72] FRASER, JAMES ANDREW, CA
[72] NAYYAR, RAKESH KUMAR, CA
[71] CHIPCARE CORPORATION, CA
[85] 2017-05-26
[86] 2015-11-25 (PCT/IB2015/002460)
[87] (WO2016/083898)
[30] US (62/085,441) 2014-11-28

[21] **2,969,079**
[13] A1

[51] **Int.Cl. B62B 7/04 (2006.01) B62B 9/00 (2006.01)**

[25] EN

[54] **PASSENGER TRANSPORT CARRIERS**

[54] **SUPPORTS DE TRANSPORT DE PASSAGERS**

[72] BRITTON, DANIEL WILLIAM, CA
[72] SINGH, PARAMJIT, CA
[72] STENGLER, MATTHEW, CA
[71] THULE CANADA INC., CA
[85] 2017-05-26
[86] 2015-11-19 (PCT/IB2015/058986)
[87] (WO2016/083962)
[30] US (62/084,992) 2014-11-26

[21] **2,969,082**
[13] A1

[51] **Int.Cl. B62B 9/00 (2006.01) B62B 5/00 (2006.01) B62B 7/04 (2006.01)**

[25] EN

[54] **TRANSPORT VEHICLE ACCESSORY LOCKING MECHANISMS**

[54] **MECANISMES DE VERROUILLAGE D'ACCESSOIRE DE VEHICULE DE TRANSPORT**

[72] FLEMING, WESLEY JUSTIN, CA
[72] STENGLER, MATTHEW, CA
[71] THULE CANADA INC., CA
[85] 2017-05-26
[86] 2015-11-19 (PCT/IB2015/058988)
[87] (WO2016/083963)
[30] US (62/085,102) 2014-11-26

[21] **2,969,083**
[13] A1

[51] **Int.Cl. E04D 1/22 (2006.01) E04D 1/12 (2006.01) E04F 13/18 (2006.01)**

[25] EN

[54] **A ROOFING, CLADDING OR SIDING PRODUCT**

[54] **PRODUIT DE COUVERTURE, DE BARDAGE OU DE PAREMENT**

[72] BUCKINGHAM, SAMUEL GWYNN, NZ
[72] MCKEE, JOHN WASON, NZ
[72] HAYNES, ANDREW LEO, NZ
[72] WINTON, JAMES ROBERT, NZ
[71] ZINNIA TEK LIMITED, NZ
[85] 2017-05-26
[86] 2015-12-01 (PCT/IB2015/059230)
[87] (WO2016/088026)
[30] US (62/085,733) 2014-12-01

[21] **2,969,088**
[13] A1

[51] **Int.Cl. G03G 21/16 (2006.01)**

[25] EN

[54] **CARTRIDGE, MEMBER CONSTITUTING CARTRIDGE, AND IMAGE FORMING APPARATUS**

[54] **CARTOUCHE, ELEMENT DE CONFIGURATION DE CARTOUCHE, ET DISPOSITIF DE FORMATION D'IMAGE**

[72] SATO, MASAOKI, JP
[72] KUBO, YUKIO, JP
[72] MUNETSUGU, HIROYUKI, JP
[72] WADA, KOJI, JP
[71] CANON KABUSHIKI KAISHA, JP
[85] 2017-05-25
[86] 2015-11-27 (PCT/JP2015/083463)
[87] (WO2016/084951)
[30] JP (2014-242577) 2014-11-28
[30] JP (2014-242602) 2014-11-28
[30] JP (2014-242578) 2014-11-28
[30] JP (2014-242601) 2014-11-28
[30] JP (2015-231356) 2015-11-27

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[21] **2,969,091**
[13] A1

[51] **Int.Cl. C01B 13/11 (2006.01)**
[25] EN
[54] **OZONE GENERATOR**
[54] **OZONISEUR**
[72] NAKATANI, HAJIME, JP
[72] TAKAUCHI, DAISUKE, JP
[72] HIRANABE, NAOKI, JP
[72] ODAI, YOSHIKI, JP
[72] YOSHIDA, TOSHIHIRO, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2017-05-26
[86] 2014-11-27 (PCT/JP2014/081316)
[87] (WO2016/084181)

[21] **2,969,092**
[13] A1

[51] **Int.Cl. C10J 3/32 (2006.01) F23G 5/027 (2006.01) F23G 5/26 (2006.01) F23G 5/28 (2006.01) F27D 3/00 (2006.01)**
[25] EN
[54] **ROTATING AND MOVABLE BED GASIFIER PRODUCING HIGH CARBON CHAR**
[54] **GAZEIFIEUR A LIT MOBILE ET ROTATIF POUR LA PRODUCTION DE CHARBON A HAUTE TENEUR EN CARBONE**
[72] THEISSEN, RANDALL J., US
[72] THEISSEN, LA VOY M., JR., US
[71] AG BIO-POWER L.C., US
[85] 2017-05-26
[86] 2014-10-23 (PCT/US2014/062024)
[87] (WO2016/064407)

[21] **2,969,093**
[13] A1

[51] **Int.Cl. A61B 17/34 (2006.01)**
[25] EN
[54] **INSERTION GUIDE**
[54] **GUIDE D'INSERTION**
[72] GALILI, BEN, IL
[72] ARNOLD, OFER, IL
[72] SHARON, SIMON, IL
[72] GLOZMAN, DANIEL, IL
[71] XACT ROBOTICS LTD., IL
[85] 2017-05-26
[86] 2015-11-28 (PCT/IL2015/051158)
[87] (WO2016/084092)
[30] US (62/085,518) 2014-11-29

[21] **2,969,094**
[13] A1

[51] **Int.Cl. G06Q 50/30 (2012.01) G06Q 50/10 (2012.01)**
[25] EN
[54] **CUSTOMIZING THIRD-PARTY CONTENT USING BEACONS ON ONLINE SOCIAL NETWORKS**
[54] **PERSONNALISATION D'UN CONTENU TIERS A L'AIDE DE BALISES SUR DES RESEAUX SOCIAUX EN LIGNE**
[72] LEBEAU, MICHAEL JAMES, US
[72] LESSIN, SAMUEL WHARTON, US
[72] SHIMONI, AMIR, US
[72] BARILLARI, JOSEPH DAVID, US
[72] MODI, MANISH, US
[72] MURILLO, ARLENE GABRIANA, US
[72] NIEWCZAS, MATEUSZ MAREK, US
[72] KALINOWSKI, CAITLIN E., US
[71] FACEBOOK, INC., US
[85] 2017-05-26
[86] 2014-12-10 (PCT/US2014/069563)
[87] (WO2016/093825)
[30] US (14/565,359) 2014-12-09

[21] **2,969,095**
[13] A1

[51] **Int.Cl. G06Q 50/30 (2012.01) H04W 40/02 (2009.01)**
[25] EN
[54] **GENERATING USER NOTIFICATIONS USING BEACONS ON ONLINE SOCIAL NETWORKS**
[54] **GENERATION DE NOTIFICATIONS D'UTILISATEUR A L'AIDE DE BALISES SUR DES RESEAUX SOCIAUX EN LIGNE**
[72] LEBEAU, MICHAEL JAMES, US
[72] LESSIN, SAMUEL WHARTON, US
[72] BARILLARI, JOSEPH DAVID, US
[72] SHIMONI, AMIR, US
[72] MURILLO, ARLENE GABRIANA, US
[72] NIEWCZAS, MATEUSZ MAREK, US
[72] MODI, MANISH, US
[72] KALINOWSKI, CAITLIN E., US
[71] FACEBOOK, INC., US
[85] 2017-05-26
[86] 2014-12-11 (PCT/US2014/069702)
[87] (WO2016/093831)
[30] US (14/565,371) 2014-12-09

[21] **2,969,096**
[13] A1

[51] **Int.Cl. A61B 1/00 (2006.01) A61B 90/00 (2016.01) A61B 5/055 (2006.01)**
[25] EN
[54] **MODEL REGISTRATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ENREGISTREMENT DE MODELE**
[72] BEN-YISHAI, RANI, IL
[72] BARAK, LIOR, IL
[71] ELBIT SYSTEMS LTD., IL
[85] 2017-05-26
[86] 2015-11-29 (PCT/IL2015/051160)
[87] (WO2016/084093)
[30] IL (236003) 2014-11-30

[21] **2,969,097**
[13] A1

[51] **Int.Cl. G01V 1/18 (2006.01) E21B 47/00 (2012.01) G01V 1/40 (2006.01) H04R 9/02 (2006.01)**
[25] EN
[54] **DUAL CORE LOCKING GEOPHONE**
[54] **GEOPHONE A VERROUILLAGE A DOUBLE NOYAU**
[72] NIEMAR, R., CN
[72] HUANG, WEI HSUAN, SG
[72] TEH, YEE SIANG, SG
[72] YAN, YONGAN, CN
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-05-26
[86] 2014-12-29 (PCT/US2014/072578)
[87] (WO2016/108826)

[21] **2,969,098**
[13] A1

[51] **Int.Cl. E21B 44/00 (2006.01) G05B 19/02 (2006.01) G06F 19/00 (2011.01) G06G 7/48 (2006.01)**
[25] EN
[54] **REAL-TIME PERFORMANCE ANALYZER FOR DRILLING OPERATIONS**
[54] **ANALYSEUR DE PERFORMANCES EN TEMPS REEL PENDANT DES OPERATIONS DE FORAGE**
[72] TOTI, GIULIA, US
[72] YU, PETER C., US
[72] WESLEY, AVINASH, US
[71] LANDMARK GRAPHICS CORPORATION, US
[85] 2017-05-26
[86] 2014-12-29 (PCT/US2014/072582)
[87] (WO2016/108827)

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[21] **2,969,099**
[13] A1

[51] **Int.Cl. B07B 4/02 (2006.01)**
[25] EN
[54] **AERODYNAMIC RECIRCULATING SEPARATOR OF BULK MATERIALS**
[54] **SEPARATEUR AERODYNAMIQUE A RECYCLAGE DE PRODUITS EN VRAC**
[72] KOSTRUBIAK, OLENA, UA
[71] KOSTRUBIAK, OLENA, UA
[85] 2017-05-26
[86] 2016-05-24 (PCT/UA2016/000062)
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[54] **COEXPRESSION PLASMID**
[54] **PLASMIDE DE COEXPRESSION**
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[72] SHIOYA, KOICHIRO, JP
[72] KOBAYASHI, SATOSHI, JP
[72] SHIMATANI, YUKO, JP
[72] MASAKI, TAKESHI, JP
[72] SHIMIZU, HITOMI, JP
[72] MATSUMURA, TOMIO, JP
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[54] **SEISMIC ELASTIC WAVE SIMULATION FOR TILTED TRANSVERSELY ISOTROPIC MEDIA USING ADAPTIVE LEBEDEV STAGGERED GRID**
[54] **SIMULATION D'ONDE ELASTIQUE SISMIQUE POUR MILIEU TRANSVERSALEMENT ISOTROPE INCLINE A L'AIDE DE GRILLE DECALEE DE LEBEDEV ADAPTATIVE**
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[72] JIN, SHENGWEN, US
[71] LANDMARK GRAPHICS CORPORATION, US
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[54] **CURRENT SPLITTER FOR LED LIGHTING SYSTEM**
[54] **DIVISEUR DE COURANT POUR SYSTEME D'ECLAIRAGE A LED**
[72] YADAV, PRITAM, US
[72] WEEKS, T. WARREN, JR., US
[72] RECTOR, DAVID JOHN, US
[72] WERR, MARTIN C., US
[72] MACKAY, ANTHONY MICHAEL, US
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[71] HUBBELL INCORPORATED, US
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[54] **POROUS COMPOSITE, BONE REGENERATION MATERIAL, AND METHOD FOR PRODUCING POROUS COMPOSITE**
[54] **CORPS COMPOSITE POREUX, MATERIAU DE REGENERATION OSSEUSE ET PROCEDE DE PRODUCTION DE CORPS COMPOSITE POREUX**
[72] IWAI, ATSUSHI, JP
[72] KAJII, FUMIHIKO, JP
[72] TANAKA, HIDENORI, JP
[71] TOYOBO CO., LTD., JP
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[54] **A RUBBER COMPOSITION**
[54] **COMPOSITION DE CAOUTCHOUC**
[72] FUKASAWA, HIROKO, JP
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[71] MICHELIN RECHERCHE ET TECHNIQUE S.A., CH
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[54] **VEHICULE UTILITAIRE**
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[72] SCHLANGEN, ADAM J., US
[72] NUGTEREN, DANIEL J., US
[72] BJERKETVEDT, ERIC D., US
[72] RIPLEY, ANTHONY J., US
[72] JENNI, HANS-RUDOLF, CH
[72] LAFATA, JOHN, US
[72] HURD, CHRISTOPHER J., US
[72] JAEGER, RICKY G., US
[72] DECKARD, AARON D., US
[72] WENGER, URS, CH
[72] SCHLEIF, ANDREW C., US
[72] NELSON, STEPHEN L., US
[71] POLARIS INDUSTRIES INC., US
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[25] EN
[54] **METHOD OF PRODUCING LIGNIN WITH REDUCED AMOUNT OF ODOROUS SUBSTANCES**
[54] **PROCEDE DE PRODUCTION DE LIGNINE PRESENTANT UNE QUANTITE REDUITE DE SUBSTANCES ODORANTES**
[72] ALVARADO, FERNANDO, SE
[72] TOMANI, PER, SE
[71] INNVENTIA AB, SE
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[25] EN
[54] **BEARING APPARATUS INCLUDING A BEARING ASSEMBLY HAVING A CONTINUOUS BEARING ELEMENT AND A TILTING PAD BEARING ASSEMBLY**
[54] **DISPOSITIF DE PALIER COMPRENANT UN ENSEMBLE PALIER POSSEDANT UN ELEMENT DE PALIER CONTINU ET UN ENSEMBLE PALIER A PATINS OSCILLANTS**
[72] GONZALEZ, JAIR J., US
[72] LEITE, LEONIDAS C., US
[72] VENKATESAN, SRIRAM, US
[71] US SYNTHETIC CORPORATION, US
[71] WAUKESHA BEARINGS CORPORATION, US
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[25] EN
[54] **SACRIFICIAL ANODE CONSTRUCTION INCLUDING A WIRE FOR CONNECTION TO A STEEL MEMBER IN CONCRETE FOR CATHODIC PROTECTION**
[54] **CONSTRUCTION D'ANODE SACRIFICIELLE COMPRENANT UN FIL PERMETTANT LA CONNEXION A UN ELEMENT EN ACIER DANS DU BETON SERVANT A LA PROTECTION CATHODIQUE**
[72] WHITMORE, DAVID, CA
[71] WHITMORE, DAVID, CA
[85] 2017-05-24
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[72] SCARLESKI, WILLIAM J., US
[71] LEVITATION SCIENCES LLC, US
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[54] **SYSTEME DE STOCKAGE DE CAMION**
[72] SMITH, TIMOTHY RAYMOND, US
[72] PETERS, JAKE, US
[72] MELLER, LANCE, US
[72] HATTRUP, MIKE, US
[72] ROTHWELL, DYLAN, US
[72] MUSTON, SHAUN CHRISTOPHER, US
[72] HOPKINS, JEFFREY SAMUEL, US
[71] DECKED LLC, US
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[54] **APPAREIL DE VERIFICATION DE NIVEAU DE FLUIDE**
[72] WECH, MICHAEL J., US
[71] OIL-RITE CORPORATION, US
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[54] **TIRE UNIFORMITY TESTING SYSTEM**
[54] **SYSTEME DE CONTROLE DE L'UNIFORMITE DE PNEUS**
[72] MATUSZNY, RICHARD, US
[72] FEMEC, ALEX ANTON, US
[72] KRIEGER, RICH, US
[72] RYDER, JOHN C., US
[71] MICRO-POISE MEASUREMENT SYSTEMS, LLC, US
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[54] **BARBECUE GRILL ACCESSORY AND METHOD FOR PREPARING FOOD**
[54] **ACCESSOIRE DE BARBECUE ET PROCEDE POUR LA PREPARATION D'ALIMENTS**
[72] PARRISH, MICHAEL DAVID, US
[72] LYONS, AARON MICHAEL, US
[71] ADRENALINE BARBECUE COMPANY, LLC, US
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[54] **SYSTEMS AND METHODS FOR MODULATING NERVES OR OTHER TISSUE**
[54] **SYSTEMES ET METHODES DE MODULATION DE NERFS OU D'AUTRES TISSUS**
[72] VRBA, ANTHONY CIRO, US
[72] SMITH, SCOTT RAYMOND, US
[72] AZAMIAN, BOBAK ROBERT, US
[72] VAFAI, SCOTT BRADLEY, US
[72] COE, JONATHAN ALLEN, US
[72] HANSEN, JAMES G., US
[72] HYKES, KEVIN ROBERT, US
[72] MCCRYSTLE, KELLY JUSTIN, US
[72] MOTTA, ROSSANA, US
[72] PERRY, MICHAEL DAVID, US
[72] SUN, VICTOR KELVIN, US
[72] WEBSTER, MARK WILSON IAN, NZ
[71] REULAND, ERIC ROBERT, US
[71] METAVENTION, INC., US
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[51] **Int.Cl. G06F 11/08 (2006.01) G06F 11/26 (2006.01)**
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[54] **DATA STREAM PROCESSING LANGUAGE FOR ANALYZING INSTRUMENTED SOFTWARE**
[54] **LANGAGE DE TRAITEMENT DE FLUX DE DONNEES POUR L'ANALYSE DE LOGICIEL INSTRUMENTE**
[72] RAMAN, RAJESH, US
[72] MUKHERJI, ARIJIT, US
[72] GRANDY, KRIS, US
[72] LIU, PHILLIP, US
[71] SIGNALFX, INC., US
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[86] 2015-12-16 (PCT/US2015/066132)
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[30] US (62/094,935) 2014-12-19
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[25] EN
[54] **METHOD AND SYSTEM FOR IMPROVING A PHYSIOLOGICAL RESPONSE**
[54] **PROCEDE ET SYSTEME POUR AMELIORER UNE REPONSE PHYSIOLOGIQUE**
[72] ASHDOWN, LUKE, AU
[72] TRENTON, DANIEL, AU
[71] LIFECYCLE TECHNOLOGIES PTY LTD, AU
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[54] **SINGLE POUCH BATTERY CELLS AND METHODS OF MANUFACTURE**
[54] **CELLULES DE BATTERIE A POCHE UNIQUE ET PROCEDES DE FABRICATION**
[72] OTA, NAOKI, US
[72] BAZZARELLA, RICARDO, US
[72] TAN, TAISON, US
[72] FUKUSHIMA, TAKAAKI, JP
[71] 24M TECHNOLOGIES, INC., US
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[54] **SYSTEMS AND METHODS FOR PROVIDING CUSTOMIZED VIRTUAL WIRELESS NETWORKS BASED ON SERVICE ORIENTED NETWORK AUTO-CREATION**
[54] **SYSTEMES ET PROCEDES POUR FOURNIR DES RESEAUX SANS FIL VIRTUELS PERSONNALISES SUR LA BASE D'UNE CREATION AUTOMATIQUE DE RESEAU ORIENTE SERVICES**
[72] SENARATH, NIMAL GAMINI, CA
[72] DAO, NGOC-DUNG, CA
[72] FARMANBAR, HAMIDREZA, CA
[72] LI, XU, CA
[72] VRZIC, SOPHIE, CA
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[30] US (62/085,405) 2014-11-28
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[54] **DECISION SUPPORT TOOL FOR STROKE PATIENTS**
[54] **OUTIL D'AIDE A LA DECISION POUR PATIENTS ATTEINTS D'ACCIDENT VASCULAIRE CEREBRAL**
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[72] GOYAL, MAYANK, CA
[72] LEE, TING-YIM, CA
[72] AHN, SEONG HWAN, KR
[72] DEMCHUK, ANDREW MICHAEL, CA
[72] HILL, MICHAEL DOUGLAS, CA
[71] QUIKFLO TECHNOLOGIES INC., CA
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[54] **SYSTEMS AND METHODS FOR INFORMATION RECOVERY FROM REDUNDANCY VERSION PACKETS**
[54] **SYSTEMES ET PROCEDES PERMETTANT UNE RECUPERATION D'INFORMATIONS A PARTIR DE PAQUETS DE VERSION DE REDONDANCE**
[72] GUO, JIMING, US
[72] LIU, XIAOHUI, US
[72] PARK, CHEOL HEE, US
[72] SHAH, CHINTAN SHIRISH, US
[72] SHAHIDI, REZA, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-05-29
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[25] EN
[54] **THERAPEUTIC COMPOSITIONS COMPRISING TRANSCRIPTION FACTORS AND METHODS OF MAKING AND USING THE SAME**
[54] **COMPOSITIONS THERAPEUTIQUES COMPRENANT DES FACTEURS DE TRANSCRIPTION ET LEURS PROCEDES DE PREPARATION ET D'UTILISATION**
[72] WILLENBRING, HOLGER, US
[72] DUMONT, LAURE, US
[72] MALATO, YANN, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[54] **TELECOMMUNICATIONS SATELLITE ARCHITECTURE**
[54] **ARCHITECTURE DE SATELLITE DE TELECOMMUNICATIONS**
[72] HACHE, RAPHAEL, FR
[72] TRANCART, BRUNO, FR
[72] WALKER, ANDREW, FR
[71] AIRBUS DEFENCE AND SPACE SAS, FR
[71] THALES, FR
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[25] EN
[54] **METHOD OF COLORING BIOCOMPOSITE MATERIALS**
[54] **PROCEDE DE COLORATION DE MATERIAUX BIOCOMPOSITES**
[72] HENRY, JAMES, CA
[72] PANIGRAHI, SATYANARAYAN, CA
[72] LAL KUSHWAHA, RADHEY, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
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[25] EN
[54] **METHOD FOR INCREASING ADHESION BETWEEN A CHROMIUM SURFACE AND A LACQUER**
[54] **PROCEDE PERMETTANT D'AUGMENTER L'ADHERENCE ENTRE UNE SURFACE DE CHROME ET UN VERNIS-LAQUE**
[72] PFIRRMANN, CHRISTINA, DE
[72] WACHTER, PHILIPP, DE
[72] HARTMANN, PHILIP, DE
[72] BORN, NANCY, DE
[72] UMARAN, JUAN-CARLOS, DE
[71] ATOTECH DEUTSCHLAND GMBH, DE
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[25] EN
[54] **MULTIPOINT DOOR LOCKING SYSTEM**
[54] **SYSTEME DE VERROUILLAGE DE PORTE MULTIPPOINTS**
[72] GUILLEMETTE, CHRISTIAN, CA
[71] GUILLEMETTE, CHRISTIAN, CA
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[25] EN
[54] **COMPOSITIONS WITH IMPROVED UREASE-INHIBITING EFFECT COMPRISING (THIO)PHOSPHORIC ACID TRIAMIDE AND FURTHER COMPOUNDS SUCH AS AMINES AND COLORANTS**
[54] **COMPOSITIONS PRESENTANT UN EFFET D'INHIBITION DE L'UREASE AMELIORE COMPRENANT DU TRIAMIDE D'ACIDE (THIO)PHOSPHORIQUE ET AUTRES COMPOSES TELS QUE AMINES ET COLORANTS**
[72] SCHMID, MARKUS, DE
[72] ZERULLA, WOLFRAM, DE
[72] PASDA, GREGOR, DE
[72] WISSEMEIER, ALEXANDER, DE
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[72] SCHNEIDER, KARL-HEINRICH, DE
[72] BAAN, ZOLTAN, DE
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[51] **Int.Cl. A61K 36/9066 (2006.01) A61K 36/53 (2006.01) A61K 36/67 (2006.01)**
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[54] **A MOUTH FRESHENER**
[54] **RAFRAICHISSEUR D'HALEINE**
[72] NIPANIKAR, SANJAY, IN
[72] KANJILAL, ANISHA, IN
[72] KANJILAL, SANJEEVAN, IN
[71] ARI HEALTHCARE PVT. LTD., IN
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[54] **FLUE GAS TREATMENT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE GAZ EFFLUENT**
[72] HIRATA, TAKUYA, JP
[72] NAGAYASU, HIROMITSU, JP
[72] UEDA, YASUTOSHI, JP
[72] NOBORISATO, TOMOKI, JP
[72] TANAKA, TAKAO, JP
[72] KATO, MASAYA, JP
[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[71] MITSUBISHI HITACHI POWER SYSTEMS ENVIRONMENTAL SOLUTIONS, LTD., JP
[85] 2017-05-29
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[87] (WO2016/117172)
[30] JP (2015-010715) 2015-01-22

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[51] **Int.Cl. E04F 15/02 (2006.01)**
[25] EN
[54] **MECHANICAL LOCKING SYSTEM FOR FLOOR PANELS**
[54] **SYSTEME DE VERROUILLAGE MECANIQUE POUR PANNEAUX DE PLANCHER**
[72] PERVAN, DARKO, SE
[71] CERALOC INNOVATION AB, SE
[85] 2017-05-29
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[30] SE (1451632-2) 2014-12-22

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[54] **PRODUCTION PROCESS OF CRYSTALS OF DIAZABICYCLOOCTANE DERIVATIVE AND STABLE LYOPHILIZED PREPARATION**

[54] **PROCEDE POUR LA PRODUCTION DE CRISTAUX ET D'UNE PREPARATION LYOPHILISEE STABLE D'UN DERIVE DU DIAZABICYCLOOCTANE**

[72] OGAWA, TAKAYA, JP
[72] YOKOYAMA, TAKUYA, JP
[72] FURUYAMA, SHUSUKE, JP
[72] ICHIKI, MASATO, JP
[72] FUSHIHARA, KENICHI, JP
[71] MEIJI SEIKA PHARMA CO., LTD., JP
[85] 2017-05-29
[86] 2015-12-04 (PCT/JP2015/084094)
[87] (WO2016/088863)
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[54] **IONIC CONDUCTOR AND METHOD FOR PRODUCING THE SAME**

[54] **CONDUCTEUR D'IONS ET SON PROCEDE DE PRODUCTION**

[72] NOGAMI, GENKI, JP
[72] TANIGUCHI, MITSUGU, JP
[72] UNEMOTO, ATSUSHI, JP
[72] MATSUO, MOTOAKI, JP
[72] ORIMO, SHINICHI, JP
[71] MITSUBISHI GAS CHEMICAL COMPANY, INC., JP
[71] TOHOKU TECO ARCH CO., LTD., JP
[85] 2017-05-29
[86] 2015-10-26 (PCT/JP2015/080128)
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[30] JP (2014-258212) 2014-12-22

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[51] **Int.Cl. C12N 5/074 (2010.01) C12N 5/10 (2006.01)**

[25] EN

[54] **PRIMITIVE GUT ENDODERM CELLS AND METHOD FOR PRODUCING SAME**

[54] **CELLULES PRIMITIVES D'ENDODERME D'INTESTIN ET LEUR PROCEDE DE PRODUCTION**

[72] TAKEBE, TAKANORI, JP
[72] TANIGUCHI, HIDEKI, JP
[72] ZHANG, RAN RAN, JP
[71] PUBLIC UNIVERSITY CORPORATION YOKOHAMA CITY UNIVERSITY, JP
[85] 2017-05-29
[86] 2015-12-08 (PCT/JP2015/084379)
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[54] **DEVICE FOR HEATING WASHER FLUID**

[54] **DISPOSITIF DE CHAUFFAGE DE LIQUIDE LAVE-GLACE**

[72] SATO, HIDENORI, JP
[71] MURAKAMI CORPORATION, JP
[85] 2017-05-29
[86] 2015-11-19 (PCT/JP2015/082602)
[87] (WO2016/088572)
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[54] **PHARMACEUTICAL PREPARATION OF CAMPTOTHECIN-CONTAINING POLYMER DERIVATIVE**

[54] **PREPARATION PHARMACEUTIQUE A BASE D'UN DERIVE DE POLYMERE CONTENANT DE LA CAMPTOTHECINE**

[72] FUJITA, SHINYA, JP
[72] AOKI, SHIN, JP
[71] NIPPON KAYAKU KABUSHIKI KAISHA, JP
[85] 2017-05-29
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[54] **METHOD, DEVICE AND KIT FOR MASS CULTIVATION OF CELLS USING POLYIMIDE POROUS MEMBRANE**

[54] **PROCEDE, DISPOSITIF ET KIT DE CULTURE CELLULAIRE INTENSIVE UTILISANT UNE MEMBRANE POREUSE DE POLYIMIDE**

[72] HAGIHARA, MASAHIKO, JP
[72] SHIMIZU, MOTOHISA, JP
[72] WADA, YUKINORI, JP
[71] UBE INDUSTRIES, LTD., JP
[85] 2017-05-29
[86] 2016-01-26 (PCT/JP2016/052217)
[87] (WO2016/121773)
[30] JP (2015-012470) 2015-01-26
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[25] EN
[54] **A SLIDE METAL FRAME-DRIVE UNIT COUPLING POSITION SWITCHING MECHANISM FORA SLIDING NOZZLE APPARATUS**
[54] **STRUCTURE DE COMMUTATION POUR CONNEXION ENTRE CADRE COULISSANT EN METAL POUR DISPOSITIF DE BUSE COULISSANTE ET DISPOSITIF D'ENTRAINEMENT**
[72] IMAHASE, TOSHIHIRO, JP
[72] FUNATO, JUNICHI, JP
[71] KROSAKIHARIMA CORPORATION, JP
[85] 2017-05-29
[86] 2015-12-10 (PCT/JP2015/084671)
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[30] JP (2015-038868) 2015-02-27

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[54] **METHOD FOR PRODUCING A CARBON HOLLOW FIBER MEMBRANE**
[54] **PROCEDE DE PRODUCTION DE MEMBRANE DE FIBRES CREUSES DE CARBONE**
[72] WATANABE, KENSUKE, JP
[72] YAMAMOTO, HIROKAZU, JP
[71] NOK CORPORATION, JP
[85] 2017-05-29
[86] 2015-12-11 (PCT/JP2015/084851)
[87] (WO2016/093357)
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[25] EN
[54] **THICK-WALLED HIGH-TOUGHNESS HIGH-STRENGTH STEEL PLATE AND METHOD FOR MANUFACTURING THE SAME**
[54] **TOLE D'ACIER EPAISSE DE HAUTE TENACITE ET DE HAUTE RESISTANCE, ET PROCEDE DE FABRICATION DE CELLE-CI**
[72] KITSUYA, SHIGEKI, JP
[72] ICHIMIYA, KATSUYUKI, JP
[72] HASE, KAZUKUNI, JP
[71] JFE STEEL CORPORATION, JP
[85] 2017-05-29
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[30] JP (2015-006670) 2015-01-16

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[51] **Int.Cl. A47L 9/28 (2006.01) G05D 1/02 (2006.01)**
[25] EN
[54] **VACUUM CLEANER**
[54] **ASPIRATEUR ELECTRIQUE**
[72] IZAWA, HIROKAZU, JP
[72] MARUTANI, YUUKI, JP
[72] WATANABE, KOTA, JP
[72] FURUTA, KAZUHIRO, JP
[71] TOSHIBA LIFESTYLE PRODUCTS & SERVICES CORPORATION, JP
[85] 2017-05-29
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[13] A1

[51] **Int.Cl. G08B 23/00 (2006.01)**
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[54] **DIAPER MONITOR**
[54] **MOYEN DE SURVEILLANCE DE COUCHE-CULOTTE**
[72] SOLAZZO, ANTHONY, US
[72] HEFLICH, HEBERT, US
[72] VAILLANCOURT, MICHAEL, US
[71] PATIENT WELLNESS MONITOR LLC, US
[85] 2017-05-29
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[13] A1

[51] **Int.Cl. B65B 51/10 (2006.01) B65B 9/08 (2012.01)**
[25] EN
[54] **HORIZONTAL PILLOW PACKING APPARATUS AND HORIZONTAL PILLOW PACKING METHOD**
[54] **APPAREIL D'EMBALLAGE D'OREILLERS A AGENCEMENT HORIZONTAL ET PROCEDE D'EMBALLAGE D'OREILLERS A AGENCEMENT HORIZONTAL**
[72] NOMURA, MITSUO, JP
[71] NISSHIN SEIFUN GROUP INC., JP
[85] 2017-05-29
[86] 2015-11-12 (PCT/JP2015/081836)
[87] (WO2016/088527)
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[13] A1

[51] **Int.Cl. A61B 5/06 (2006.01) A61B 10/02 (2006.01)**
[25] EN
[54] **MEDICAL INSTRUMENT WITH SENSOR FOR USE IN A SYSTEM AND METHOD FOR ELECTROMAGNETIC NAVIGATION**
[54] **INSTRUMENT MEDICAL COMPRENANT UN CAPTEUR DESTINE A ETRE UTILISE DANS UN SYSTEME ET PROCEDE DE NAVIGATION ELECTROMAGNETIQUE**
[72] GREENBURG, BENJAMIN, IL
[72] PETERSON, ALEX A., US
[72] SERDAR, DAVID J., US
[72] COSTELLO, DAVID M., US
[71] COVDIEN LP, US
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[30] US (62/095,563) 2014-12-22
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[51] **Int.Cl. B65G 1/04 (2006.01) B65G 1/14 (2006.01) B65G 63/00 (2006.01)**
[25] EN
[54] **RAISING/LOWERING CONVEYANCE APPARATUS FOR ARTICLE CONVEYING CONTAINER**
[54] **APPAREIL DE TRANSPORT A ELEVATION/ABAISSMENT POUR RECIPIENT DE TRANSFERT D'ARTICLES**
[72] MIYOSHI, KAZUHIKO, JP
[72] HAMAGUCHI, JUN, JP
[72] INABA, MASATO, JP
[71] DAIFUKU CO., LTD., JP
[85] 2017-05-29
[86] 2015-11-18 (PCT/JP2015/082379)
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[13] A1

[51] **Int.Cl. A61K 31/357 (2006.01) A61K 9/08 (2006.01) A61K 9/19 (2006.01) A61K 47/40 (2006.01) A61P 1/16 (2006.01)**
[25] EN
[54] **SILYBIN INJECTION AND PREPARATION METHOD THEREFOR**
[54] **INJECTION DE SILIBININE ET SON PROCEDE DE FABRICATION**
[72] CHEN, JIANMING, CN
[72] GAO, BAOAN, CN
[72] ZHOU, QINQIN, CN
[72] ZHOU, SHUIPING, CN
[72] CAI, NAN, CN
[72] ZHANG, YUANSHENG, CN
[72] WU, CHAN, CN
[72] YU, NONG, CN
[72] CHEN, LINA, CN
[72] LIU, WENLI, CN
[71] TASLY PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2017-05-29
[86] 2015-12-24 (PCT/CN2015/098713)
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[51] **Int.Cl. G06F 17/30 (2006.01)**
[25] EN
[54] **MESSAGE BROKER SYSTEM WITH PARALLEL PERSISTENCE**
[54] **SYSTEME DE COURTIER DE MESSAGES AVEC PERSISTANCE PARALLELE**
[72] FUGITT, JESSE A., US
[72] CANLI, TURKMEN, US
[72] HODA, SAHIR, US
[71] INFORMATICA LLC, US
[85] 2017-05-29
[86] 2015-11-30 (PCT/US2015/063034)
[87] (WO2016/089787)
[30] US (62/086,111) 2014-12-01
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[51] **Int.Cl. E21B 17/00 (2006.01) E21B 19/16 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **DRILL STRING APPARATUS WITH INTEGRATED ANNULAR BARRIER AND PORT COLLAR, METHODS, AND SYSTEMS**
[54] **APPAREIL DE TRAIN DE TIGES FORAGE COMPORTANT UNE BARRIERE ANNULAIRE INTEGREE ET UN COLLIER D'ORIFICE, PROCEDES, ET SYSTEMES**
[72] JEREZ, HERNANDO, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[86] 2014-12-31 (PCT/US2014/072998)
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[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **DNA ANTIBODY CONSTRUCTS AND METHOD OF USING SAME**
[54] **CONSTRUCTIONS D'ANTICORPS D'ADN ET LEUR PROCEDE D'UTILISATION**
[72] WEINER, DAVID B., US
[72] MUTHUMANI, KARUPPIAH, US
[72] FLINGAI, SELEEKE, US
[72] SARDESAI, NIRANJAN, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[71] INOVIO PHARMACEUTICALS, INC., US
[85] 2017-05-29
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[87] (WO2016/089862)
[30] US (62/086,157) 2014-12-01
[30] US (62/213,166) 2015-09-02

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[51] **Int.Cl. B65G 1/00 (2006.01) B65G 1/02 (2006.01)**
[25] EN
[54] **STRUCTURE FOR AUTOMATED PALLET STORAGE AND RETRIEVAL**
[54] **STRUCTURE DE STOCKAGE ET DE RECUPERATION DE PALETTE AUTOMATISES**
[72] BRUMM, CHRISTOPHER, US
[72] TIPTON, RODNEY, US
[72] RAMANKUTTY, MOHAN, US
[72] MITCHELL, PAT, US
[71] SWISSLOG LOGISTICS, INC., US
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[86] 2015-11-16 (PCT/US2015/060905)
[87] (WO2016/094039)
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[51] **Int.Cl. A43B 7/00 (2006.01) A43B 7/02 (2006.01) A43B 7/04 (2006.01)**

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[54] **HEATED INSOLE WITH REMOVABLE HEATING ASSEMBLY**

[54] **PREMIERE DE PROPRIETE CHAUFFEE PAR UN ENSEMBLE CHAUFFANT AMOVIBLE**

[72] ZSOLCSAK, VERONICA M., US

[72] EIZEN, MICHA, US

[72] WHITEHEAD, IAN NICHOLSON, US

[72] BAYES, THOMAS JOHN WILLIAM, GB

[72] PUCCIO, DAN, US

[71] SCHAWBEL TECHNOLOGIES LLC, US

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[86] 2015-11-24 (PCT/US2015/062458)

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[13] A1

[51] **Int.Cl. C40B 40/10 (2006.01) C07K 19/00 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS RELATED TO FUNCTIONAL POLYPEPTIDES EMBEDDED IN HETEROLOGOUS PROTEIN SCAFFOLDS**

[54] **PROCEDES ET COMPOSITIONS ASSOCIES A DES POLYPEPTIDES FONCTIONNELS INTEGRES DANS DES SQUELETTES PROTEIQUES HETEROLOGUES**

[72] PENG, YINGJIE, US

[72] LERNER, RICHARD A., US

[72] LINDSAY, RONALD M., US

[71] THE SCRIPPS RESEARCH INSTITUTE, US

[85] 2017-05-29

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[13] A1

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[25] EN

[54] **SYSTEMS AND METHODS FOR ESTIMATING FORCES ON A DRILL BIT**

[54] **SYSTEMES ET PROCEDES D'ESTIMATION DE FORCES SUR UN TREPAN**

[72] DYKSTRA, JASON D., US

[72] XUE, YUZHEN, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-05-29

[86] 2014-12-30 (PCT/US2014/072783)

[87] (WO2016/108855)

[21] **2,969,224**
[13] A1

[51] **Int.Cl. H04B 5/02 (2006.01) H04W 12/06 (2009.01) G06F 17/30 (2006.01)**

[25] EN

[54] **PURCHASING, SHARING AND TRANSFERRING OWNERSHIP OF DIGITAL MUSIC USING AUTHENTICATED DATA FILES FROM NEAR FIELD COMMUNICATION CHIPS**

[54] **ACHAT, PARTAGE ET TRANSFERT DE PROPRIETE DE MUSIQUE NUMERIQUE A L'AIDE DE FICHIERS DE DONNEES AUTHENTIFIES COMMUNIQUEES PAR PUCES DE COMMUNICATION EN CHAMP PROCHE**

[72] HUYNH, CHI, US

[72] QUARTO, BRUCE, US

[71] HUYNH, CHI, US

[71] QUARTO, BRUCE, US

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[87] (WO2016/089965)

[30] US (62/086,384) 2014-12-02

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[13] A1

[51] **Int.Cl. A63J 25/00 (2009.01) E04H 3/22 (2006.01) G03B 21/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR AN IMMERSION THEATER ENVIRONMENT WITH DYNAMIC SCREENS**

[54] **SYSTEMES ET PROCEDES POUR UN ENVIRONNEMENT DE CINEMA D'IMMERSION AVEC ECRANS DYNAMIQUES**

[72] GOCKE, ALEXANDER WILLIAM, US

[71] BARCO, INC., US

[85] 2017-05-29

[86] 2015-12-02 (PCT/US2015/063502)

[87] (WO2016/090036)

[30] US (62/087,191) 2014-12-03

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[13] A1

[51] **Int.Cl. C02F 9/00 (2006.01)**

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[54] **ENERGY EFFICIENT WATER PURIFICATION AND DESALINATION**

[54] **PURIFICATION ET DESALEMENT D'EAU A FAIBLE CONSOMMATION D'ENERGIE**

[72] THIERS, EUGENE, US

[72] BAYLEY, BRIAN, US

[72] LUM, GARY, US

[71] SYLVAN SOURCE, INC., US

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[30] US (62/087,122) 2014-12-03

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[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61B 34/10 (2016.01) A61B 5/055 (2006.01)**
[25] EN
[54] **ELECTRODE PLACEMENT AND TREATMENT SYSTEM AND METHOD OF USE THEREOF**
[54] **PLACEMENT D'ELECTRODE ET SYSTEME DE TRAITEMENT ET PROCEDE POUR LES UTILISER**
[72] ROSSI, MARVIN A., US
[72] CENDEJAS ZARAGOZA, LEOPOLDO, MX
[71] RUSH UNIVERSITY MEDICAL CENTER, US
[85] 2017-05-29
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[13] A1

[51] **Int.Cl. H04L 12/58 (2006.01) G06Q 50/30 (2012.01)**
[25] EN
[54] **USER-AWARE NOTIFICATION DELIVERY**
[54] **REMISE DE NOTIFICATIONS AVEC PRISE EN COMPTE DE L'UTILISATEUR**
[72] BIRCHALL, ANDREW ALEXANDER, US
[72] ILIC, ALEKSANDAR, US
[72] RATIU, FLORIN, US
[72] REHWALD, MARTIN, US
[72] LI, YIYU, US
[72] SHARMA, PRADEEP KUMAR, US
[72] RAJENDRAN, VASANTH KUMAR, US
[71] FACEBOOK, INC., US
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[30] US (14/567,218) 2014-12-11

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[13] A1

[51] **Int.Cl. E21B 10/42 (2006.01) E21B 10/43 (2006.01) E21B 10/62 (2006.01)**
[25] EN
[54] **DOWNHOLE TOOL SURFACES CONFIGURED TO REDUCE DRAG FORCES AND EROSION DURING EXPOSURE TO FLUID FLOW**
[54] **SURFACES D'OUTIL DE FOND DE TROU CONFIGUREES DE MANIERE A REDUIRE LES FORCES DE TRAINEE ET L'EROSION PENDANT L'EXPOSITION A L'ECOULEMENT DE FLUIDE**
[72] CHEN, HAU-JIUN, SG
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-05-29
[86] 2014-12-30 (PCT/US2014/072754)
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[13] A1

[51] **Int.Cl. E21B 47/00 (2012.01) G01V 3/18 (2006.01) G01V 3/38 (2006.01)**
[25] EN
[54] **SUBTERRANEAN FORMATION CHARACTERIZATION USING MICROELECTROMECHANICAL SYSTEM (MEMS) DEVICES**
[54] **CARACTERISATION D'UNE FORMATION SOUTERRAINE A L'AIDE DE DISPOSITIFS A SYSTEME MICROELECTROMECHANIQUE (MEMS)**
[72] GALLIANO, CLINTON CHERAMIE, US
[72] ROWE, MATHEW DENNIS, US
[72] GRAVES, WALTER VARNEY ANDREW, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-05-29
[86] 2014-12-30 (PCT/US2014/072768)
[87] (WO2016/108849)

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[51] **Int.Cl. H04L 9/32 (2006.01)**
[25] EN
[54] **SHORT-DURATION DIGITAL CERTIFICATE ISSUANCE BASED ON LONG-DURATION DIGITAL CERTIFICATE VALIDATION**
[54] **EMISSION D'UN CERTIFICAT NUMERIQUE DE COURTE DUREE BASEE SUR UNE VALIDATION DE CERTIFICAT NUMERIQUE DE LONGUE DUREE**
[72] BOWEN, PETER ZACHARY, US
[71] AMAZON TECHNOLOGIES, INC., US
[85] 2017-05-29
[86] 2015-12-14 (PCT/US2015/065634)
[87] (WO2016/140724)
[30] US (14/570,867) 2014-12-15

[21] **2,969,239**
[13] A1

[51] **Int.Cl. D06M 13/322 (2006.01) C07C 211/10 (2006.01) C08K 5/51 (2006.01) C08K 5/53 (2006.01)**
[25] EN
[54] **FLAME RETARDANT AND FLAME RETARDANT USES**
[54] **AGENT RETARDATEUR DE FLAMMES, ET UTILISATIONS DE L'AGENT RETARDATEUR DE FLAMMES**
[72] KASOWSKI, ROBERT VALENTINE, US
[71] KASOWSKI, ROBERT VALENTINE, US
[85] 2017-05-29
[86] 2015-12-12 (PCT/US2015/065415)
[87] (WO2016/094887)
[30] US (62/091,457) 2014-12-12
[30] US (62/110,560) 2015-02-01
[30] US (62/120,465) 2015-02-25
[30] US (62/202,090) 2015-08-06
[30] US (62/246,037) 2015-10-24

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[13] A1

[51] **Int.Cl. A23L 2/39 (2006.01) A23L 2/62 (2006.01)**
[25] EN
[54] **STARCH-BASED CLOUDING AGENT FOR POWDERED BEVERAGES**
[54] **AGENT OPACIFIANT A BASE D'AMIDON POUR BOISSONS EN POUVRE**
[72] HIRT, STACEY ANN, US
[72] MCPHERSON, ANDREW E., US
[72] TOPINKA, JOHN B., US
[72] COBOS, MARIA DEL PILAR, US
[71] KRAFT FOODS GROUP BRANDS LLC, US
[85] 2017-05-29
[86] 2015-12-15 (PCT/US2015/065753)
[87] (WO2016/106018)
[30] US (14/579,005) 2014-12-22

[21] **2,969,245**
[13] A1

[51] **Int.Cl. C12Q 1/04 (2006.01) C12Q 1/02 (2006.01) C12Q 1/06 (2006.01) C12Q 1/24 (2006.01)**
[25] EN
[54] **SCREENING FOR L-FORM BACTERIA**
[54] **CRIBLAGE DE BACTERIES DE FORME L**
[72] HUNT, JOHN BRENT, US
[71] SOFTCELL BIOLOGICAL RESEARCH, LLC, US
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[87] (WO2016/100518)
[30] US (62/092,463) 2014-12-16
[30] US (62/155,081) 2015-04-30
[30] US (62/165,368) 2015-05-22
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[30] US (14/969,936) 2015-12-15

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[13] A1

[51] **Int.Cl. A01N 1/02 (2006.01) C12N 5/071 (2010.01) C12M 3/00 (2006.01)**
[25] EN
[54] **A CLOSED SYSTEM CRYOPRESERVATION DEVICE**
[54] **DISPOSITIF DE CRYOCONSERVATION EN SYSTEME FERME**
[72] PARRA, JORGE E., US
[72] BARNAL, DIANA P., US
[71] BIOTECH, INC., US
[85] 2017-05-29
[86] 2015-12-21 (PCT/US2015/066996)
[87] (WO2016/100962)
[30] US (14/577,578) 2014-12-19

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[13] A1

[51] **Int.Cl. B65H 5/12 (2006.01) B65G 47/244 (2006.01) B65H 29/44 (2006.01)**
[25] EN
[54] **PRODUCT TURNER AND PLACER**
[54] **APPAREIL POUR TOURNER ET PLACER DES PRODUITS**
[72] DAVIDSON, BENJAMIN T., US
[72] INGOLE, SUDEEP, US
[71] CURT G. JOA, INC., US
[85] 2017-05-29
[86] 2016-01-25 (PCT/US2016/014717)
[87] (WO2016/123016)
[30] US (62/107,833) 2015-01-26

[21] **2,969,249**
[13] A1

[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/0735 (2010.01)**
[25] EN
[54] **DIFFERENTIATION OF PLURIPOTENT STEM CELLS TO FORM RENAL ORGANIDS**
[54] **DIFFERENCIATION DE CELLULES SOUCHES PLURIPOTENTES AFIN DE FORMER DES ORGANOIDES RENAUX**
[72] TAKASATO, MINORU, AU
[72] LITTLE, MELISSA, AU
[71] THE UNIVERSITY OF QUEENSLAND, AU
[85] 2017-05-30
[86] 2015-12-15 (PCT/AU2015/050798)
[87] (WO2016/094948)
[30] AU (2014277667) 2014-12-15

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[13] A1

[51] **Int.Cl. G01N 27/00 (2006.01) A61K 49/00 (2006.01) A61K 51/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ENHANCED MASS SPECTROMETRY IMAGING**
[54] **SYSTEME ET PROCEDE POUR L'IMAGERIE PAR SPECTROMETRIE DE MASSE AMELIOREE**
[72] ZARRINE-AFSAR, ARASH, CA
[72] JAFFRAY, DAVID A., CA
[71] UNIVERSITY HEALTH NETWORK, CA
[85] 2017-05-30
[86] 2015-12-08 (PCT/CA2015/051282)
[87] (WO2016/090471)
[30] US (62/088,964) 2014-12-08

[21] **2,969,253**
[13] A1

[51] **Int.Cl. A61B 8/00 (2006.01) A61B 8/13 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SUPER-RESOLUTION COMPACT ULTRASOUND IMAGING**
[54] **SYSTEMES ET PROCEDES POUR IMAGERIE ECHOGRAPHIQUE COMPACTE A TRES HAUTE RESOLUTION**
[72] FOROOZAN, FOROOHAR, CA
[71] INNOMIND TECHNOLOGY CORPORATION, CA
[85] 2017-05-30
[86] 2016-01-05 (PCT/CA2016/050006)
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[30] US (62/099,680) 2015-01-05

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[13] A1

[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **INFORMATION TRANSMISSION METHOD, WIRELESS ACCESS DEVICE, AND TERMINAL DEVICE**
[54] **PROCEDE, DISPOSITIF D'ACCES SANS FIL, ET EQUIPEMENT UTILISATEUR DE TRANSMISSION D'INFORMATIONS**
[72] ZENG, KUN, CN
[71] HUAWEI TECHNOLOGIES, CO., LTD., CN
[85] 2017-05-30
[86] 2014-12-01 (PCT/CN2014/092690)
[87] (WO2016/086340)

[21] **2,969,261**
[13] A1

[51] **Int.Cl. A47C 20/04 (2006.01) A61G 7/015 (2006.01)**
[25] EN
[54] **ELECTRIC MATTRESS**
[54] **MATELAS ELECTRIQUE**
[72] XIE, LEI, CN
[71] SHANGHAI SINCOL FURNITURE PRODUCTS CO., LTD., CN
[85] 2017-05-30
[86] 2015-11-06 (PCT/CN2015/000764)
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[21] **2,969,306**
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[51] **Int.Cl. H01M 4/485 (2010.01) H01G 11/46 (2013.01) H01G 11/84 (2013.01) C01G 23/00 (2006.01) H01M 4/36 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING COMPOSITE BODY OF LITHIUM TITANATE PARTICLES AND CARBONACEOUS MATERIAL, AND COMPOSITE BODY OF LITHIUM TITANATE PARTICLES AND CARBONACEOUS MATERIAL**
[54] **PROCEDE DE PRODUCTION DE CORPS COMPOSITE DE PARTICULES DE TITANATE DE LITHIUM ET D'UN MATERIAU CARBONE, ET CORPS COMPOSITE DE PARTICULES DE TITANATE DE LITHIUM ET D'UN MATERIAU CARBONE**
[72] IUCHI, HIROTOSHI, JP
[72] NAKAGAWA, TAJI, JP
[71] OTSUKA CHEMICAL CO., LTD., JP
[85] 2017-05-30
[86] 2015-12-03 (PCT/JP2015/084015)
[87] (WO2016/098608)
[30] JP (2014-253676) 2014-12-16

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[51] **Int.Cl. B01D 19/00 (2006.01) B01D 61/00 (2006.01) B01D 63/02 (2006.01) B01D 71/26 (2006.01) B41J 2/19 (2006.01)**
[25] EN
[54] **HOLLOW-FIBER DEGASSING MODULE AND INKJET PRINTER**
[54] **MODULE DE DEGAZAGE A FIBRES CREUSES ET IMPRIMANTE A JET D'ENCRE**
[72] SUGANUMA, YOUHEI, JP
[72] OI, KAZUMI, JP
[71] DIC CORPORATION, JP
[85] 2017-05-30
[86] 2015-12-22 (PCT/JP2015/085846)
[87] (WO2016/104509)
[30] JP (2014-260804) 2014-12-24

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[13] A1

[51] **Int.Cl. G01V 3/18 (2006.01) G01V 3/26 (2006.01)**
[25] EN
[54] **MODIFYING MAGNETIC TILT ANGLE USING A MAGNETICALLY ANISOTROPIC MATERIAL**
[54] **MODIFICATION D'ANGLE D'INCLINAISON MAGNETIQUE A L'AIDE D'UN MATERIAU MAGNETIQUEMENT ANISOTROPE**
[72] PAN, LI, US
[72] WANG, CHAO-FU, US
[72] HUANG, WEI HSUAN, US
[72] SONG, RENCHENG, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[86] 2014-12-31 (PCT/US2014/073024)
[87] (WO2016/108900)

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[13] A1

[51] **Int.Cl. F16B 37/04 (2006.01) F16B 33/06 (2006.01) F16B 37/00 (2006.01)**
[25] EN
[54] **ENCASED NUT**
[54] **ECROU ENFERME**
[72] HARA, MOTOTSUGU, JP
[72] MURASE, YOSHIHIRO, JP
[72] FUJIMOTO, YUKINORI, JP
[72] ICHIKAWA, HIROYASU, JP
[72] KATOH, KATSUHISA, JP
[72] UTSUNO, RYUJI, JP
[72] SEKO, TAKAHIRO, JP
[71] AOYAMA SEISAKUSHO CO., LTD., JP
[85] 2017-05-30
[86] 2016-03-11 (PCT/JP2016/057760)
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[30] JP (2015-101601) 2015-05-19

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[51] **Int.Cl. F17D 1/20 (2006.01) E21B 43/12 (2006.01) F15D 1/02 (2006.01) F16L 55/24 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR SCALING REDUCTION IN A DEAD WATER ZONE OF A FLUID CONDUIT**

[54] **DISPOSITIF ET PROCEDURE POUR LA REDUCTION DU TARTRE DANS UNE ZONE D'EAU STAGNANTE D'UN CONDUIT DE FLUIDE**

[72] DRONEN, OLE MAGNAR, NO

[71] SCALE PROTECTION AS, NO

[85] 2017-05-30

[86] 2014-06-03 (PCT/NO2014/050090)

[87] (WO2015/187026)

[21] **2,969,314**
[13] A1

[51] **Int.Cl. C07K 14/715 (2006.01) A61K 38/17 (2006.01)**

[25] EN

[54] **SELECTIVE IL-6-TRANS-SIGNALLING INHIBITOR COMPOSITIONS**

[54] **COMPOSITIONS D'INHIBITEUR DE TRANS-SIGNALISATION PAR L'IL-6 SELECTIF**

[72] COTTINGHAM, IAN, CH

[72] PLAKSIN, DANIEL, CH

[72] DUBOEUF, JEREMY, NL

[71] FERRING B.V., NL

[85] 2017-05-30

[86] 2015-12-01 (PCT/NL2015/050837)

[87] (WO2016/089206)

[30] EP (14195726.6) 2014-12-01

[21] **2,969,315**
[13] A1

[51] **Int.Cl. G01F 23/18 (2006.01)**

[25] EN

[54] **GAS SUPPLY WARNING AND COMMUNICATION SYSTEM**

[54] **SYSTEME D'AVERTISSEMENT ET DE COMMUNICATION DE FOURNITURE DE GAZ**

[72] OBENCHAIN, VALERIE A., US

[71] OBENCHAIN, VALERIE A., US

[85] 2017-05-30

[86] 2014-12-01 (PCT/US2014/067900)

[87] (WO2015/084714)

[30] US (14/093,851) 2013-12-02

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[13] A1

[51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/56 (2006.01) A61B 17/72 (2006.01) A61B 17/88 (2006.01)**

[25] EN

[54] **TISSUE DISPLACEMENT TOOLS AND METHODS**

[54] **OUTILS ET METHODES DE DEPLACEMENT DE TISSU**

[72] WLODARSKI, GRACE, US

[72] PETERSON, ALEX A., US

[72] KRINKE, TODD A., US

[72] BRENZEL, MICHAEL P., US

[72] KRUSE, STEVE D., US

[72] SIEMERS, TROY MICHAEL, US

[72] ARCAND, BENJAMIN, US

[72] MULLINS, BRIAN JOHN, US

[72] TRADEWELL, MICHAEL BENNETT, US

[72] NELSON, ERIK JULIAN, US

[72] RUST, MATTHEW HOWARD, US

[72] KRAMER, CAMERON THOMAS, US

[72] KRAMER, RACHEL MARIE, US

[72] TAYLOR, KYLE, US

[71] CONVENTUS ORTHOPAEDICS, INC., US

[85] 2017-05-30

[86] 2014-12-12 (PCT/US2014/069907)

[87] (WO2015/089357)

[30] US (61/915,428) 2013-12-12

[30] US (61/978,239) 2014-04-11

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[13] A1

[51] **Int.Cl. B41J 2/19 (2006.01) B01D 19/00 (2006.01) B01D 61/00 (2006.01) B01D 63/02 (2006.01)**

[25] EN

[54] **HOLLOW-FIBER DEGASSING MODULE AND INKJET PRINTER**

[54] **MODULE DE DEGAZAGE A FIBRES CREUSES ET IMPRIMANTE A JET D'ENCRE**

[72] SUGANUMA, YOUHEI, JP

[72] OI, KAZUMI, JP

[71] DIC CORPORATION, JP

[85] 2017-05-30

[86] 2015-12-09 (PCT/JP2015/084572)

[87] (WO2016/104155)

[30] JP (2014-260807) 2014-12-24

[21] **2,969,319**
[13] A1

[51] **Int.Cl. G01V 8/02 (2006.01) G01V 8/24 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS EMPLOYING FIBER OPTIC SENSORS FOR ELECTROMAGNETIC CROSSWELL TELEMETRY**

[54] **PROCEDES ET SYSTEMES UTILISANT DES CAPTEURS A FIBRE OPTIQUE POUR UNE TELEMETRIE DE PUITS CROISE ELECTROMAGNETIQUE**

[72] WILSON, GLENN A., US

[72] DONDERICI, BURKAY, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-05-30

[86] 2014-12-31 (PCT/US2014/072993)

[87] (WO2016/108887)

[21] **2,969,321**
[13] A1

[51] **Int.Cl. E21B 47/09 (2012.01) E21B 47/02 (2006.01) G01V 3/18 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS EMPLOYING FIBER OPTIC SENSORS FOR RANGING**

[54] **PROCEDES ET SYSTEMES EMPLOYANT DES CAPTEURS A FIBRES OPTIQUES POUR TELEMETRIE**

[72] WILSON, GLENN A., US

[72] DONDERICI, BURKAY, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-05-30

[86] 2014-12-31 (PCT/US2014/073042)

[87] (WO2016/108905)

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[13] A1

[51] **Int.Cl. E21B 47/00 (2012.01) E21B 47/26 (2012.01) G01V 3/18 (2006.01) G01V 3/38 (2006.01)**

[25] EN

[54] **FORMATION LOGGING USING MULTICOMPONENT SIGNAL-BASED MEASUREMENT OF ANISOTROPIC PERMITTIVITY AND RESISTIVITY**

[54] **DIAGRAPHIE DE FORMATION UTILISANT LA MESURE A BASE DE SIGNAUX A PLUSIEURS COMPOSANTES DE PERMITTIVITE ET DE RESISTIVITE ANISOTROPES**

[72] EWE, WEI-BIN, US
[72] WU, HSU-HSIANG, US
[72] DONDERICI, BURKAY, US
[72] CHEMALI, ROLAND E., US
[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-05-30
[86] 2014-12-31 (PCT/US2014/073052)
[87] (WO2016/108909)

[21] **2,969,324**
[13] A1

[51] **Int.Cl. E21B 47/12 (2012.01) E21B 47/18 (2012.01) G01V 1/40 (2006.01)**

[25] EN

[54] **MUD PULSE TELEMETRY DEMODULATION USING A PUMP NOISE ESTIMATE OBTAINED FROM ACOUSTIC OR VIBRATION DATA**

[54] **DEMODULATION DE TELEMETRIE PAR IMPULSIONS DANS LA BOUE A L'AIDE D'UNE ESTIMATION DE BRUIT DE POMPE OBTENUE A PARTIR DE DONNEES ACOUSTIQUES OU DE VIBRATIONS**

[72] MARSH, LABAN M., US
[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-05-30
[86] 2014-12-31 (PCT/US2014/073063)
[87] (WO2016/108912)

[21] **2,969,328**
[13] A1

[51] **Int.Cl. C09K 8/42 (2006.01) E21B 33/13 (2006.01)**

[25] EN

[54] **HYDRAZIDE-BASED CURING AGENTS FOR USE IN SUBTERRANEAN OPERATIONS**

[54] **AGENTS DURCISSEURS A BASE D'HYDRAZIDE DESTINES A ETRE UTILISES DANS DES OPERATIONS SOUTERRAINES**

[72] KELLUM, MATTHEW GRADY, US
[72] HUNDT, GREGORY ROBERT, US
[72] JONES, PAUL JOSEPH, US
[72] KARCHER, JEFFREY DWANE, US
[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-05-30
[86] 2015-01-16 (PCT/US2015/011674)
[87] (WO2016/114786)

[21] **2,969,329**
[13] A1

[51] **Int.Cl. F25B 49/00 (2006.01)**

[25] EN

[54] **INTELLIGENT SEA WATER COOLING SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE INTELLIGENTS DE REFROIDISSEMENT DE L'EAU DE MER**

[72] YIN, DAN, US
[72] WERNER, STEFAN, DE
[72] MARTIN, CHRISTIAN, DE
[72] HOFFMAN, MARTIN, DE
[72] MCKINSTRY, DAVID, US
[71] IMO INDUSTRIES, INC., US

[85] 2017-05-30
[86] 2015-02-13 (PCT/US2015/015881)
[87] (WO2016/130149)

[21] **2,969,331**
[13] A1

[51] **Int.Cl. G06F 21/32 (2013.01) G02B 5/122 (2006.01) H04M 1/11 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR MOBILE DEVICE BIOMETRIC ADD-ON**

[54] **SYSTEME ET PROCEDE POUR ADJONCTION BIOMETRIQUE DE DISPOSITIF MOBILE**

[72] PERNA, STEVEN N., US
[72] MAPEN, BARRY E., US
[72] ACKERMAN, DAVID ALAN, US
[71] PRINCETON IDENTITY, INC., US

[85] 2017-05-30
[86] 2015-11-17 (PCT/US2015/061024)
[87] (WO2016/089592)
[30] US (62/086,867) 2014-12-03

[21] **2,969,333**
[13] A1

[51] **Int.Cl. F17D 5/02 (2006.01) F17C 13/00 (2006.01)**

[25] EN

[54] **EQUIPMENT SAFETY MANAGEMENT DEVICE, EQUIPMENT SAFETY MANAGEMENT METHOD, AND NATURAL GAS LIQUEFACTION DEVICE**

[54] **DISPOSITIF ET PROCEDE DE GESTION DE SECURITE D'EQUIPEMENT ET DISPOSITIF DE LIQUEFACTION DE GAZ NATUREL**

[72] SHIMIZU, YASUNORI, JP
[72] WATANABE, TSUNEO, JP
[71] CHIYODA CORPORATION, JP

[85] 2017-05-30
[86] 2014-12-01 (PCT/JP2014/081688)
[87] (WO2016/088159)

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[21] **2,969,334**
[13] A1

[51] **Int.Cl. A61K 31/593 (2006.01)**
[25] EN
[54] **USE OF 2-METHYLENE-19-NOR-(20S)-1A,25-DIHYDROXYVITAMIN D3 TO TREAT SECONDARY HYPERTHYROIDISM**

[54] **UTILISATION DE 2-METHYLENE-19-NOR-(20S)-1?,25-DIHYDROXYVITAMINE D3 POUR TRAITER L'HYPERTHYROIDIE SECONDAIRE**

[72] DELUCA, HECTOR F., US
[72] PLUM, LORI A., US
[72] CLAGETT-DAME, MARGARET, US
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
[85] 2017-05-30
[86] 2015-12-11 (PCT/US2015/065175)
[87] (WO2016/109156)
[30] US (62/098,112) 2014-12-30
[30] US (14/710,746) 2015-05-13

[21] **2,969,336**
[13] A1

[51] **Int.Cl. A61K 31/708 (2006.01) A61K 31/7105 (2006.01) A61P 35/00 (2006.01)**

[25] EN
[54] **MIR-122* AS AN ACTIVE MICRO-RNA, COMPOSITIONS COMPRISING THE SAME AND USES THEREOF**

[54] **MICRO-ARN ACTIF MIR 122*, COMPOSITIONS LE COMPORTEMENT ET UTILISATIONS CORRESPONDANTES**

[72] GILADI, HILLA, IL
[72] SIMERZIN, ALINA, IL
[72] HANTZ, YAEL, IL
[72] ARBEL ALON, SAGIT, IL
[72] GALUN, EITHAN, IL
[71] HADASIT MEDICAL RESEARCH SERVICES AND DEVELOPMENT LTD., IL
[85] 2017-05-30
[86] 2015-01-06 (PCT/IL2015/050024)
[87] (WO2015/104706)
[30] US (61/924,719) 2014-01-08

[21] **2,969,338**
[13] A1

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

[25] EN
[54] **USE OF IMMUNE CHECKPOINT INHIBITORS IN CENTRAL NERVOUS SYSTEMS NEOPLASMS**

[54] **UTILISATION D'INHIBITEURS DE POINTS DE CONTROLE IMMUNITAIRES DANS DES NEOPLASMES DU SYSTEME NERVEUX CENTRAL**

[72] CORIC, VLADIMIR, US
[72] CHENG, SHINTA, US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2017-05-30
[86] 2015-12-16 (PCT/US2015/066177)
[87] (WO2016/100561)
[30] US (62/092,783) 2014-12-16
[30] US (62/261,130) 2015-11-30

[21] **2,969,342**
[13] A1

[51] **Int.Cl. H04N 21/435 (2011.01) H04H 60/16 (2009.01) H04H 60/72 (2009.01)**

[25] EN
[54] **CONTENT ADVISORY RATINGS INFORMATION**

[54] **INFORMATIONS D'EVALUATIONS POUR LE CONSEIL DE CONTENU**

[72] DESHPANDE, SACHIN G., US
[71] SHARP KABUSHIKI KAISHA, JP
[85] 2017-05-30
[86] 2015-12-22 (PCT/JP2015/006397)
[87] (WO2016/103683)
[30] US (62/095,441) 2014-12-22
[30] US (62/101,822) 2015-01-09
[30] US (62/107,949) 2015-01-26
[30] US (62/117,142) 2015-02-17
[30] US (62/255,444) 2015-11-14

[21] **2,969,343**
[13] A1

[51] **Int.Cl. G01F 25/00 (2006.01)**

[25] EN
[54] **FLOW METER CONFIGURATION AND CALIBRATION**

[54] **ETALONNAGE ET CONFIGURATION DE DEBITMETRE**

[72] GESTNER, BRIAN, US
[72] MESS, FRANCIS M., US
[72] LEADERS, JEFFREY L., US
[71] SONETER, INC., US
[85] 2017-05-30
[86] 2016-08-26 (PCT/US2016/048944)
[87] (WO2017/040267)
[30] US (62/211,607) 2015-08-28

[21] **2,969,344**
[13] A1

[51] **Int.Cl. H04W 72/04 (2009.01)**

[25] EN
[54] **MULTICARRIER COMMUNICATIONS SYSTEM**

[54] **SYSTEME DE COMMUNICATION MULTIPORTEUSE**

[72] HALEY, DAVID VICTOR LAWRIE, AU
[72] COWLEY, WILLIAM GEORGE, AU
[72] BUETEFUER, JOHN LAWRENCE, AU
[72] GRANT, ALEXANDER JAMES, AU
[72] LECHNER, GOTTFRIED, AU
[72] POLLOK, ANDRE, AU
[72] MCKILLIAM, ROBERT GEORGE, AU
[72] LAND, INGMAR RUDIGER, AU
[72] LAVENANT, MARC PIERRE DENIS, AU
[72] CHENG, YING, AU
[71] UNIVERSITY OF SOUTH AUSTRALIA, AU
[85] 2017-05-31
[86] 2015-12-09 (PCT/AU2015/000743)
[87] (WO2016/090411)
[30] AU (2014904976) 2014-12-09

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[21] **2,969,346**
[13] A1

[51] **Int.Cl. G02C 7/10 (2006.01) G02B 1/115 (2015.01) G02B 5/26 (2006.01) G02B 5/28 (2006.01)**

[25] EN

[54] **SPECTACLE LENS AND SPECTACLES**

[54] **VERRE DE LUNETTES ET LUNETTES**

[72] OGO, YOICHI, JP

[72] NISHIMOTO, KEIJI, JP

[72] OGAWA, NAOMI, JP

[71] HOYA LENS THAILAND LTD., TH

[85] 2017-05-30

[86] 2015-12-01 (PCT/JP2015/083783)

[87] (WO2016/088763)

[30] JP (2014-243559) 2014-12-01

[21] **2,969,347**
[13] A1

[51] **Int.Cl. G01N 27/26 (2006.01)**

[25] EN

[54] **ELECTROCHEMICAL TESTING SYSTEM**

[54] **SYSTEME D'ESSAI ELECTROCHIMIQUE**

[72] BREEDON, MICHAEL, AU

[72] COLE, IVAN STUART, AU

[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU

[85] 2017-05-31

[86] 2015-12-23 (PCT/AU2015/050834)

[87] (WO2016/101033)

[30] AU (2014905253) 2014-12-23

[21] **2,969,348**
[13] A1

[51] **Int.Cl. E04B 1/24 (2006.01) F16B 7/00 (2006.01) F16F 7/12 (2006.01) F16S 5/00 (2006.01)**

[25] EN

[54] **YIELDING LINK, PARTICULARLY FOR ECCENTRICALLY BRACED FRAMES**

[54] **LIAISON COULISSANTE, EN PARTICULIER POUR CHARPENTES CONTREVENTEES DE FACON EXCENTRIQUE**

[72] GRAY, MICHAEL, CA

[72] DE OLIVEIRA, JUAN-CARLOS, CA

[72] CHRISTOPOULOS, CONSTANTIN, CA

[72] HAQUE, TARANA, CA

[72] TAN, KYLA, CA

[71] CAST CONNEX CORPORATION, CA

[85] 2017-05-31

[86] 2014-12-01 (PCT/CA2014/051147)

[87] (WO2016/086283)

[21] **2,969,350**
[13] A1

[51] **Int.Cl. H04W 88/16 (2009.01) H04W 40/02 (2009.01) H04W 92/06 (2009.01) H04L 12/701 (2013.01) H04L 12/953 (2013.01) H02J 7/02 (2016.01) H04L 12/42 (2006.01) H04M 11/06 (2006.01)**

[25] EN

[54] **SMALL CELL BACKHAUL**

[54] **LIAISON RETOUR DE PETITE CELLULE**

[72] COOKE, STEPHEN, CA

[72] BROWN, KEITH, GB

[71] GENESIS TECHNICAL SYSTEMS CORP., CA

[85] 2017-05-31

[86] 2015-06-04 (PCT/CA2015/050517)

[87] (WO2016/086294)

[30] US (62/085,765) 2014-12-01

[21] **2,969,351**
[13] A1

[51] **Int.Cl. F16D 65/853 (2006.01) F16D 55/36 (2006.01)**

[25] EN

[54] **IMPROVED COOLING SYSTEM FOR MULTI-DISC BRAKE ASSEMBLY**

[54] **SYSTEME DE REFROIDISSEMENT AMELIORE POUR ENSEMBLE FREIN A DISQUES**

[72] SCHEPER, RON, CA

[72] ZIMMERMAN, JONATHON, CA

[72] CALDARELLA, FRANCO, US

[72] BACHMANN, SIMON, CA

[72] DYCK, GERALD, CA

[71] KINETICS DRIVE SOLUTIONS INC., CA

[85] 2017-05-31

[86] 2015-12-22 (PCT/CA2015/051361)

[87] (WO2016/101072)

[30] US (62/097,068) 2014-12-27

[21] **2,969,353**
[13] A1

[51] **Int.Cl. G06Q 50/30 (2012.01)**

[25] EN

[54] **ASSOCIATING USER INTERACTIONS ACROSS MULTIPLE APPLICATIONS ON A CLIENT DEVICE**

[54] **ASSOCIATION D'INTERACTIONS UTILISATEUR DANS DE MULTIPLES APPLICATIONS SUR UN DISPOSITIF CLIENT**

[72] ORMSETH, HOLLY MARIE, US

[72] KIM, DANIEL, US

[72] WILLIS, MATTHEW MICHAEL, US

[72] UAVECHANICHKUL, JAED, US

[72] CHEN, CHEN, US

[72] DY, SEAN ELLIOTT, US

[72] SWEENEY, SHAYNE MIKEL, US

[71] FACEBOOK, INC., US

[85] 2017-06-02

[86] 2014-08-28 (PCT/US2014/053278)

[87] (WO2015/171174)

[30] US (61/990,338) 2014-05-08

[30] US (14/470,871) 2014-08-27

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[21] **2,969,354**
[13] A1

[51] **Int.Cl. C02F 1/00 (2006.01) B01D 24/10 (2006.01)**
[25] EN
[54] **WATER PURIFICATION DEVICE**
[54] **DISPOSITIF DE PURIFICATION D'EAU**
[72] SU, PEIXIN, CN
[71] SHENZHEN BORU ENVIRONMENTAL TECHNOLOGY CO., LTD., CN
[85] 2017-05-31
[86] 2015-07-31 (PCT/CN2015/085724)
[87] (WO2016/086680)
[30] CN (201410723244.2) 2014-12-02

[21] **2,969,355**
[13] A1

[51] **Int.Cl. C02F 1/44 (2006.01) B01D 61/20 (2006.01)**
[25] EN
[54] **WATER PURIFICATION DEVICE, AND METHOD USING WATER PURIFICATION DEVICE TO FILTER WATER**
[54] **DISPOSITIF D'EPURATION DE L'EAU, ET PROCEDE D'UTILISATION DE DISPOSITIF D'EPURATION DE L'EAU POUR FILTRER L'EAU**
[72] SU, PEIXIN, CN
[71] SHENZHEN BORU ENVIRONMENTAL TECHNOLOGY CO., LTD., CN
[85] 2017-05-31
[86] 2015-07-31 (PCT/CN2015/085756)
[87] (WO2016/086681)
[30] CN (201410720130.2) 2014-12-02
[30] CN (201510349244.5) 2015-06-23

[21] **2,969,356**
[13] A1

[51] **Int.Cl. C02F 1/44 (2006.01) B01D 61/10 (2006.01)**
[25] EN
[54] **WATER PURIFICATION DEVICE, AND METHOD USING WATER PURIFICATION DEVICE TO FILTER WATER**
[54] **DISPOSITIF DE PURIFICATION D'EAU, ET PROCEDE UTILISANT LE DISPOSITIF DE PURIFICATION D'EAU POUR FILTRER L'EAU**
[72] SU, PEIXIN, CN
[71] SHENZHEN BORU ENVIRONMENTAL TECHNOLOGY CO., LTD., CN
[85] 2017-05-31
[86] 2015-07-31 (PCT/CN2015/085716)
[87] (WO2016/086679)
[30] CN (201410721129.1) 2014-12-02
[30] CN (201510349979.8) 2015-06-23

[21] **2,969,357**
[13] A1

[51] **Int.Cl. G01N 27/00 (2006.01) G01N 31/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR REMOVING INORGANIC CARBON AND APPARATUS AND METHOD FOR MEASURING TOTAL ORGANIC CARBON**
[54] **DISPOSITIF ET PROCEDE SERVANT A L'ELIMINATION DE CARBONE INORGANIQUE, AINSI QU'APPAREIL ET PROCEDE SERVANT A LA DETECTION DE CARBONE ORGANIQUE TOTAL**
[72] DENG, SHOUQUAN, CN
[71] GENERAL ELECTRIC COMPANY, US
[85] 2017-05-31
[86] 2015-12-03 (PCT/CN2015/000844)
[87] (WO2016/086507)
[30] CN (201410724329.2) 2014-12-03

[21] **2,969,359**
[13] A1

[51] **Int.Cl. B01J 21/12 (2006.01) B01J 35/00 (2006.01) B01J 37/02 (2006.01) C07C 1/20 (2006.01) C07C 1/24 (2006.01) C07C 11/09 (2006.01)**
[25] EN
[54] **CATALYST AND PREPARATION METHOD THEREOF, AND METHOD FOR PREPARING ISOBUTYLENE BY APPLYING THE SAME**
[54] **CATALYSEUR ET SON PROCEDE DE PREPARATION ET PROCEDE DE PREPARATION DE L'ISOBUTYLENE PAR APPLICATION DE CELUI-CI**
[72] ZHANG, SHUMEI, CN
[72] ZHOU, FENG, CN
[72] QIAO, KAI, CN
[72] ZHAI, QINGTONG, CN
[72] WANG, CHUNMEI, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] FUSHUN RESEARCH INSTITUTE OF PETROLEUM AND PETROCHEMICALS, SINOPEC CORP., CN
[85] 2017-05-31
[86] 2015-11-25 (PCT/CN2015/095547)
[87] (WO2016/086781)
[30] CN (201410717045.0) 2014-12-03
[30] CN (201410717041.2) 2014-12-03

[21] **2,969,362**
[13] A1

[51] **Int.Cl. B01J 37/02 (2006.01) B01D 53/86 (2006.01) B01D 53/94 (2006.01) B01J 23/89 (2006.01) C01B 21/26 (2006.01)**
[25] EN
[54] **CATALYST FOR AMMONIA OXIDATION**
[54] **CATALYSEUR D'OXYDATION D'AMMONIAC**
[72] CONRADSEN, CHRISTIAN NAGSTRUP, DK
[72] OLESEN, SINE ELLEMANN, DK
[72] CHAKRABORTY, DEBASISH, DK
[72] CHORKENDORFF, IB, DK
[71] DANMARKS TEKNISKE UNIVERSITET, DK
[85] 2017-05-31
[86] 2014-10-30 (PCT/EP2014/073293)
[87] (WO2015/082141)
[30] EP (13196039.5) 2013-12-06

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[21] **2,969,372**
[13] A1

[51] **Int.Cl. A61K 31/7068 (2006.01) A61K 31/675 (2006.01) A61K 31/7052 (2006.01)**

[25] EN

[54] **PHOSPHORAMIDATES FOR THE TREATMENT OF HEPATITIS B VIRUS**

[54] **PHOSPHORAMIDATES POUR LE TRAITEMENT DU VIRUS DE L'HEPATITE B**

[72] DE LA ROSA, ABEL, US
[72] PAINTER, GEORGE, US
[72] BLUEMLING, GREGORY R., US
[71] EMORY UNIVERSITY, US
[85] 2017-05-30
[86] 2015-12-07 (PCT/US2015/064338)
[87] (WO2016/099982)
[30] US (62/091,686) 2014-12-15
[30] US (62/094,117) 2014-12-19
[30] US (62/201,974) 2015-08-06

[21] **2,969,381**
[13] A1

[51] **Int.Cl. F24F 3/00 (2006.01) F24F 3/16 (2006.01) F24F 11/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR PREDICTING HVAC FILTER CHANGE**

[54] **SYSTEMES ET PROCEDES DE PREDICTION DE CHANGEMENT DE FILTRE HVAC**

[72] FOX, ANDREW R., US
[72] LOBNER, ERIC C., US
[72] MEYER, THERESA M., US
[72] STANKIEWICZ, BRIAN J., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2017-05-30
[86] 2015-11-25 (PCT/US2015/062591)
[87] (WO2016/089688)
[30] US (62/085,939) 2014-12-01

[21] **2,969,386**
[13] A1

[51] **Int.Cl. G06Q 30/02 (2012.01) G06F 17/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR EVALUATING AND INCREASING CUSTOMER ENGAGEMENT**

[54] **SYSTEMES ET PROCEDES POUR EVALUER ET AUGMENTER LA PARTICIPATION DES CLIENTS**

[72] SINGH, SUMAN KUMAR, IN
[72] KHANDEKAR, ADITYA, IN
[72] KRISHNAN, DINESH, CA
[72] CHAKRAVARTY, SAGNIK, IN
[71] ZAFIN LABS TECHNOLOGIES, LTD., AE
[85] 2017-05-31
[86] 2015-12-05 (PCT/IB2015/059386)
[87] (WO2016/088109)
[30] US (62/088,134) 2014-12-05

[21] **2,969,374**
[13] A1

[51] **Int.Cl. C08F 2/18 (2006.01) C08F 10/08 (2006.01) C08F 212/08 (2006.01) C09K 8/62 (2006.01) C09K 8/80 (2006.01)**

[25] EN

[54] **SYNTHETIC NANOCOMPOSITES IN MICROPARTICLE FORM, PROCESS FOR PRODUCTION THEREOF, PROPPANTS AND FRACTURE FLUIDS FOR OIL AND GAS EXTRACTION PROCESSES**

[54] **NANOCOMPOSES SYNTHETIQUES SOUS FORME DE MICROPARTICULES, LEUR PROCEDE DE PRODUCTION, AGENTS DE SOUTÈNEMENT ET FLUIDES DE FRACTURATION POUR PROCEDES D'EXTRACTION DE GAZ ET DE PETROLE**

[72] CARELLA, JOSE M., AR
[72] PIACENTINI, CARLOS A. L., AR
[72] PEREZ, CLAUDIO J., AR
[72] TOMBA, JUAN P., AR
[71] HACKLANDER, GUIDO M., ES
[71] SOTRO FINANCIAL INC., PA
[71] SEPP, S.R.L., AR
[85] 2017-05-12
[86] 2015-07-06 (PCT/ES2015/070526)
[87] (WO2016/005637)
[30] AR (P20140102521) 2014-07-07

[21] **2,969,384**
[13] A1

[51] **Int.Cl. A61K 35/17 (2015.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **INHIBITORY CHIMERIC ANTIGEN RECEPTOR (ICAR OR N-CAR) EXPRESSING NON-T CELL TRANSDUCTION DOMAIN**

[54] **RECEPTEUR D'ANTIGÈNE CHIMÉRIQUE INHIBITEUR (ICAR OU N-CAR) EXPRIMANT UN DOMAINE DE TRANSDUCTION NON LYMPHOCYTAIRE T**

[72] JULLERAT, ALEXANDRE, US
[72] DUCHATEAU, PHILIPPE, FR
[72] POIROT, LAURENT, FR
[71] COLLECTIS, FR
[85] 2017-05-31
[86] 2015-12-17 (PCT/EP2015/080376)
[87] (WO2016/097231)
[30] DK (PA201470797) 2014-12-17
[30] DK (PA201570518) 2015-08-11

[21] **2,969,390**
[13] A1

[51] **Int.Cl. B60W 10/107 (2012.01) F02D 41/08 (2006.01) F02D 41/16 (2006.01)**

[25] EN

[54] **METHOD FOR ENGINE BRAKING A VEHICLE HAVING A CONTINUOUSLY VARIABLE TRANSMISSION**

[54] **PROCEDE DE FREINAGE MOTEUR D'UN VEHICULE COMPRENANT UNE TRANSMISSION A VARIATION CONTINUE**

[72] HOULE, JEAN-PHILIPPE, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[85] 2017-05-31
[86] 2016-04-29 (PCT/IB2016/052458)
[87] (WO2016/174636)
[30] US (62/155,039) 2015-04-30

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[21] **2,969,391**
[13] A1

[51] **Int.Cl. A61C 17/02 (2006.01) F04B 39/04 (2006.01)**
[25] EN
[54] **ORAL IRRIGATOR**
[54] **IRRIGATEUR BUCCAL**
[72] LUETTGEN, HAROLD A., US
[72] SENFF, OSCAR, US
[72] WOODARD, BRIAN, US
[72] HANSON, BLAINE, US
[72] HUBER, JONATHAN, US
[71] WATER PIK, INC., US
[85] 2017-05-30
[86] 2015-12-01 (PCT/US2015/063262)
[87] (WO2016/089913)
[30] US (62/086,051) 2014-12-01
[30] US (62/132,319) 2015-03-12

[21] **2,969,393**
[13] A1

[51] **Int.Cl. B05B 12/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR RELEASING FLAVOR**
[54] **SYSTEME ET PROCEDE DE LIBERATION D'AROMES**
[72] AVIDOR, YOAV, IL
[71] AGAN AROMA & FINE CHEMICALS LTD., IL
[85] 2017-05-31
[86] 2015-12-17 (PCT/IL2015/051224)
[87] (WO2016/098114)
[30] US (62/092,875) 2014-12-17

[21] **2,969,397**
[13] A1

[51] **Int.Cl. B05B 12/00 (2006.01) A61L 9/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR RELEASING EDIBLE MATERIAL**
[54] **SYSTEME ET PROCEDE DE LIBERATION D'UNE SUBSTANCE COMESTIBLE**
[72] AVIDOR, YOAV, IL
[71] AGAN AROMA & FINE CHEMICALS LTD., IL
[85] 2017-05-31
[86] 2015-12-17 (PCT/IL2015/051225)
[87] (WO2016/098115)
[30] US (62/092,875) 2014-12-17

[21] **2,969,398**
[13] A1

[51] **Int.Cl. C09D 167/08 (2006.01) B05D 1/02 (2006.01) B05D 7/16 (2006.01) B05D 7/24 (2006.01) C09D 7/12 (2006.01) C09D 151/08 (2006.01)**
[25] EN
[54] **AEROSOL COATING**
COMPOSITION AND METALLIC MECHANICAL PART COATED WITH SAME
[54] **COMPOSITION DE PEINTURE EN AEROSOL ET PIECE MECANIQUE METALLIQUE REVETUE DE CETTE DERNIERE**
[72] MINAMI, KENJI, JP
[72] FURUTA, YASUTAKA, JP
[72] OGAMI, YUKI, JP
[71] NHK SPRING CO., LTD., JP
[71] NHK SPRING PRODUCTION COMPANY, JP
[85] 2017-05-31
[86] 2015-12-02 (PCT/JP2015/083850)
[87] (WO2016/088789)
[30] JP (2014-244517) 2014-12-02

[21] **2,969,401**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/337 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY FOR TREATMENT OF CANCER**
[54] **POLYTHERAPIE POUR LE TRAITEMENT DU CANCER**
[72] GURNEY, AUSTIN, US
[72] YEN, WAN-CHING, US
[72] HOEY, TIMOTHY CHARLES, US
[71] ONCOMED PHARMACEUTICALS, INC., US
[85] 2017-05-30
[86] 2015-12-02 (PCT/US2015/063480)
[87] (WO2016/090024)
[30] US (62/086,435) 2014-12-02
[30] US (62/210,545) 2015-08-27

[21] **2,969,404**
[13] A1

[51] **Int.Cl. B24D 5/00 (2006.01) B23C 5/28 (2006.01) B23D 77/00 (2006.01)**
[25] EN
[54] **GRINDING TOOL AND MANUFACTURING METHOD THEREFOR**
[54] **OUTIL DE FRAISAGE ET PROCEDE DE FABRICATION POUR CE DERNIER**
[72] ARISAWA, HIDEAKI, JP
[71] MITSUBISHI HEAVY INDUSTRIES MACHINE TOOL CO., LTD., JP
[85] 2017-05-31
[86] 2015-12-07 (PCT/JP2015/084233)
[87] (WO2016/093186)
[30] JP (2014-251631) 2014-12-12

[21] **2,969,405**
[13] A1

[51] **Int.Cl. A61K 31/135 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS OF USING MODIFIED RELEASE SOLABEGRON FOR LOWER URINARY TRACT SYMPTOMS**
[54] **COMPOSITIONS ET PROCEDES D'UTILISATION DU SOLABEGRON A LIBERATION MODIFIEE POUR TRAITER DES SYMPTOMES DU BAS APPAREIL URINAIRE**
[72] OHLSTEIN, ELIOT, US
[72] STEVENS, RAYMOND E., US
[72] WILKINS, H. JEFFREY, US
[71] VELICEPT THERAPEUTICS, INC., US
[85] 2017-05-30
[86] 2015-12-03 (PCT/US2015/063795)
[87] (WO2016/090168)
[30] US (62/087,021) 2014-12-03

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[21] **2,969,407**
[13] A1

[51] **Int.Cl. A62B 1/08 (2006.01) B66D 5/18 (2006.01) F16D 59/00 (2006.01) H02K 49/04 (2006.01)**

[25] EN

[54] **LATCH ACTIVATION BETWEEN ELEMENTS**

[54] **ACTIVATION DE VERROUILLAGE ENTRE ORGANES**

[72] ALLINGTON, CHRISTOPHER JAMES, NZ

[72] DIEHL, ANDREW KARL, NZ

[72] WRIGHT, KEVIN A., NZ

[72] HILL, WESTON, NZ

[72] WALTERS, DAVE, NZ

[71] EDDY CURRENT LIMITED PARTNERSHIP, NZ

[85] 2017-05-31

[86] 2015-12-04 (PCT/NZ2015/050205)

[87] (WO2016/089225)

[30] NZ (701545) 2014-12-04

[21] **2,969,409**
[13] A1

[51] **Int.Cl. C07C 43/295 (2006.01) C08K 5/13 (2006.01) C08L 23/00 (2006.01) C08L 101/00 (2006.01) C09K 15/08 (2006.01)**

[25] EN

[54] **STABILIZER FOR ORGANIC MATERIALS**

[54] **STABILISATEUR POUR MATIERES ORGANIQUES**

[72] OZTURK, ORHAN, JP

[72] KIMURA, NATSUKO, JP

[72] MATSUMOTO, SHUHEI, JP

[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP

[85] 2017-05-31

[86] 2016-08-23 (PCT/JP2016/074437)

[87] (WO2017/043303)

[30] JP (2015-175839) 2015-09-07

[21] **2,969,413**
[13] A1

[51] **Int.Cl. A61K 38/18 (2006.01) A61K 39/395 (2006.01) A61P 7/06 (2006.01)**

[25] EN

[54] **METHODS FOR TREATING MYELOYDYSPLASTIC SYNDROMES AND SIDEROBLASTIC ANEMIAS**

[54] **METHODES DE TRAITEMENT DE SYNDROMES MYELOYDYSPLASTIQUES ET D'ANEMIE SIDEROBLASTIQUE**

[72] ATTIE, KENNETH M., US

[72] ROVALDI, CHRISTOPHER ROBERT, US

[71] ACCELERON PHARMA INC., US

[85] 2017-05-30

[86] 2015-12-03 (PCT/US2015/063835)

[87] (WO2016/090188)

[30] US (62/086,977) 2014-12-03

[30] US (62/088,087) 2014-12-05

[30] US (62/155,395) 2015-04-30

[21] **2,969,416**
[13] A1

[51] **Int.Cl. E21B 47/12 (2012.01) E21B 47/09 (2012.01)**

[25] EN

[54] **SYNCHRONIZING DOWNHOLE SUBS**

[54] **SYNCHRONISATION DE RACCORDS DOUBLES FEMELLES DE FOND DE TROU**

[72] GRIFFING, MATTHEW C., US

[72] SHAH, FAISAL F., US

[72] ROBERSON, BRIAN A., US

[72] BESTE, RANDAL T., US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-05-31

[86] 2014-12-31 (PCT/US2014/072991)

[87] (WO2016/108885)

[21] **2,969,417**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/33 (2006.01)**

[25] EN

[54] **BROMODOMAIN INHIBITOR AS ADJUVANT IN CANCER IMMUNOTHERAPY**

[54] **INHIBITEUR DE BROMODOMAINES COMME ADJUVANT EN IMMUNOTHERAPIE ANTICANCEREUSE**

[72] SOTOMAYOR, EDUARDO M., US

[72] BRADNER, JAMES, US

[72] TAO, JIANGUO, US

[71] H. LEE MOFFITT CANCER CENTER AND RESEARCH INSTITUTE, INC., US

[71] DANA-FARBER CANCER INSTITUTE, US

[85] 2017-05-30

[86] 2015-12-04 (PCT/US2015/063928)

[87] (WO2016/090219)

[30] US (62/088,327) 2014-12-05

[30] US (62/106,885) 2015-01-23

[21] **2,969,418**
[13] A1

[51] **Int.Cl. E21B 44/00 (2006.01) E21B 47/09 (2012.01) G05B 19/02 (2006.01)**

[25] EN

[54] **CONTINUOUS LOCATING WHILE DRILLING**

[54] **LOCALISATION CONTINUE PENDANT UN FORAGE**

[72] DYKSTRA, JASON D., US

[72] XUE, YUZHEN, US

[72] BU, FANPING, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-05-31

[86] 2014-12-31 (PCT/US2014/073025)

[87] (WO2016/108901)

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[21] **2,969,422**
[13] A1

[51] **Int.Cl. G06F 9/455 (2006.01) G06F 9/50 (2006.01) H04L 29/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS INVOLVING FEATURES OF HARDWARE VIRTUALIZATION, HYPERVISOR, APIS OF INTEREST, AND/OR OTHER FEATURES**

[54] **SYSTEMES ET PROCEDES IMPLIQUANT DES CARACTERISTIQUES DE VIRTUALISATION DE MATERIEL, D'HYPERVISEUR, D'API D'INTERET, ET/OU D'AUTRES CARACTERISTIQUES**

[72] MOORING, EDWARD T., US
[72] HOWARD, CRAIG, US
[72] YANKOVSKY, PHILLIP, US
[71] LYNX SOFTWARE TECHNOLOGIES INC., US

[85] 2017-05-31
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[87] (WO2015/176046)
[30] US (61/993,291) 2014-05-15

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[13] A1

[51] **Int.Cl. A62B 1/10 (2006.01) A62B 35/04 (2006.01) B66D 5/18 (2006.01)**

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[54] **ENERGY ABSORBING APPARATUS**

[54] **APPAREIL A ABSORPTION D'ENERGIE**

[72] DIEHL, ANDREW KARL, NZ
[72] WALTERS, DAVE, NZ
[71] EDDY CURRENT LIMITED PARTNERSHIP, NZ

[85] 2017-05-31
[86] 2015-12-04 (PCT/NZ2015/050209)
[87] (WO2016/089229)
[30] NZ (701551) 2014-12-04

[21] **2,969,425**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/055 (2006.01)**

[25] EN

[54] **USE OF STRIATAL CONNECTIVITY PATTERNS FOR EVALUATING ANTIPSYCHOTIC AGENTS**

[54] **UTILISATION DE MOTIFS DE CONNECTIVITE STRIATALE POUR EVALUER DES AGENTS ANTIPSYCHOTIQUES**

[72] LENCZ, TODD, US
[72] MALHOTRA, ANIL K., US
[72] SARPAL, DEEPAK K., US
[72] ARGYELAN, MIKLOS, US
[72] ROBINSON, DELBERT, US
[71] THE FEINSTEIN INSTITUTE FOR MEDICAL RESEARCH, US

[85] 2017-05-31
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[87] (WO2016/089737)
[30] US (62/085,707) 2014-12-01

[21] **2,969,427**
[13] A1

[51] **Int.Cl. A61B 18/12 (2006.01) A61B 34/20 (2016.01) A61B 6/03 (2006.01) A61B 10/00 (2006.01) A61B 18/14 (2006.01)**

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[54] **NANOELECTROABLATION CONTROL AND VACCINATION**

[54] **REGULATION DE LA NANO-ELECTRO-ABLATION ET VACCINATION**

[72] NUCCITELLI, RICHARD LEE, US
[72] BERRIDGE, JON CASEY, US
[72] MALLON, ZACHARY, US
[72] KREIS, MARK, US
[72] ATHOS, BRIAN, US
[72] NUCCITELLI, PAMELA, US
[71] PULSE BIOSCIENCES, INC., US

[85] 2017-05-31
[86] 2015-11-30 (PCT/US2015/063025)
[87] (WO2016/089781)
[30] US (62/086,025) 2014-12-01
[30] US (14/954,630) 2015-11-30

[21] **2,969,435**
[13] A1

[51] **Int.Cl. H02K 49/04 (2006.01) B60L 7/28 (2006.01) H02K 7/10 (2006.01)**

[25] EN

[54] **EDDY CURRENT BRAKE CONFIGURATIONS**

[54] **CONFIGURATIONS DE FREINS A COURANT DE FOUCAULT**

[72] ALLINGTON, CHRISTOPHER JAMES, NZ
[72] DIEHL, ANDREW KARL, NZ
[72] WRIGHT, KEVIN A., NZ
[72] HILL, WESTON, NZ
[72] WALTERS, DAVE, NZ
[71] EDDY CURRENT LIMITED PARTNERSHIP, NZ

[85] 2017-05-31
[86] 2015-12-04 (PCT/NZ2015/050208)
[87] (WO2016/089228)
[30] NZ (701550) 2014-12-04

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[13] A1

[51] **Int.Cl. A61B 17/72 (2006.01) A61F 2/40 (2006.01)**

[25] EN

[54] **CONVERTIBLE STEM / FRACTURE STEM**

[54] **TIGE CONVERTIBLE/TIGE POUR FRACTURE**

[72] DERANSART, PIERRIC, FR
[72] FLEURY, CYRILLE AROUN KOUMAR, FR
[72] GABORIT, VINCENT, FR
[72] BOILEAU, PASCAL, FR
[72] CHUINARD, CHRISTOPHER R., US
[72] CLAVERT, PHILIPPE, FR
[72] FAVART, LUC, FR
[72] KELLY, JAMES, US
[72] KRISHNAN, SUMANT, US
[72] SIRVEAUX, FRANCOIS, FR
[71] TORNIER, FR

[85] 2017-05-30
[86] 2015-12-10 (PCT/US2015/065126)
[87] (WO2016/094739)
[30] FR (1462206) 2014-12-10

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[21] **2,969,440**
[13] A1

[51] **Int.Cl. A61B 17/132 (2006.01)**
[25] EN
[54] **SURFBOARD ACCESSORY FOR SURFBOARD RETENTION AND MEDICAL EMERGENCIES**
[54] **ACCESSOIRE DE PLANCHE DE SURF POUR RETENTION DE PLANCHE DE SURF ET DES URGENCES MEDICALES**
[72] HENDERSON, CARSON THOMAS, US
[71] HENDERSON, CARSON THOMAS, US
[85] 2017-05-31
[86] 2015-05-31 (PCT/US2015/033445)
[87] (WO2016/089446)
[30] US (PCT/US2014/068675) 2014-12-05

[21] **2,969,448**
[13] A1

[51] **Int.Cl. A61M 25/04 (2006.01) A61M 25/01 (2006.01) A61M 25/06 (2006.01)**
[25] EN
[54] **SELF-ANCHORING CATHETERS AND METHODS OF USE**
[54] **CATHETERS A AUTO-ANCRAGE ET PROCEDES D'UTILISATION**
[72] AKLOG, LISHAN, US
[72] DEGUZMAN, BRIAN J., US
[71] PAVMED INC., US
[85] 2017-05-31
[86] 2015-12-01 (PCT/US2015/063221)
[87] (WO2016/089894)
[30] US (62/085,838) 2014-12-01

[21] **2,969,450**
[13] A1

[51] **Int.Cl. F21L 4/00 (2006.01) H04W 4/00 (2009.01) F21V 29/74 (2015.01) F21K 9/00 (2016.01) F21L 4/08 (2006.01) F21V 23/04 (2006.01) H02J 7/00 (2006.01) H05B 37/02 (2006.01) F21V 31/00 (2006.01)**
[25] EN
[54] **LIGHT DEVICES AND CONTROL SOFTWARE**
[54] **DISPOSITIFS DE LUMIERE ET LOGICIEL DE COMMANDE**
[72] WATERS, MICHAEL, US
[72] WATERS, CHARLES, US
[71] WATERS, MICHAEL, US
[71] WATERS, CHARLES, US
[85] 2017-05-31
[86] 2015-12-02 (PCT/US2015/063536)
[87] (WO2016/090049)
[30] US (62/086,586) 2014-12-02
[30] US (62/118,308) 2015-02-19

[21] **2,969,453**
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) C12N 15/866 (2006.01)**
[25] EN
[54] **DOPAMINE RECEPTOR TYPE 2 SPECIFIC PROMOTER AND METHODS OF USE THEREOF**
[54] **PROMOTEUR SPECIFIQUE DU RECEPTEUR DE LA DOPAMINE DE TYPE 2 ET PROCEDES POUR L'UTILISER**
[72] DEISSEROTH, KARL A., US
[72] RAMAKRISHNAN, CHARU, US
[72] ZALOCUSKY, KELLY, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2017-05-31
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[87] (WO2016/090172)
[30] US (62/087,603) 2014-12-04

[21] **2,969,454**
[13] A1

[51] **Int.Cl. A41D 13/11 (2006.01)**
[25] EN
[54] **FITTED FACE MASK**
[54] **MASQUE FACIAL AJUSTE**
[72] REESE, GEORGE D., US
[71] PRESTIGE AMERITECH, LTD., US
[85] 2017-05-31
[86] 2015-11-30 (PCT/US2015/063049)
[87] (WO2016/089793)
[30] US (62/086,401) 2014-12-02

[21] **2,969,463**
[13] A1

[51] **Int.Cl. C12N 15/63 (2006.01) C12N 15/70 (2006.01)**
[25] EN
[54] **CLOSTRIDIAL NEUROTOXIN FUSION PROTEINS, PROPEPTIDE FUSIONS, THEIR EXPRESSION, AND USE**
[54] **PROTEINES DE FUSION DE NEUROTOXINE CLOSTRIDIENNE, FUSIONS DE PROPEPTIDES, LEUR EXPRESSION ET LEUR UTILISATION**
[72] ICHTCHENKO, KONSTANTIN, US
[72] VAZQUEZ-CINTRON, EDWIN, US
[72] BANK, PHILIP A., US
[72] CARDOZO, TIMOTHY, US
[71] NEW YORK UNIVERSITY, US
[85] 2017-05-31
[86] 2015-12-09 (PCT/US2015/064787)
[87] (WO2016/094555)
[30] US (62/089,646) 2014-12-09
[30] US (62/118,970) 2015-02-20

[21] **2,969,464**
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR EDITING NUCLEIC ACIDS IN CELLS UTILIZING OLIGONUCLEOTIDES**
[54] **COMPOSITIONS ET PROCEDES D'EDITION D'ACIDES NUCLEIQUES DANS DES CELLULES A L'AIDE D'OLIGONUCLEOTIDES**
[72] WOOLF, TOD M., US
[72] LEBEDEV, ALEXANDRE, US
[72] HOGREFE, RICHARD I., US
[71] WOOLF, TOD M., US
[71] LEBEDEV, ALEXANDRE, US
[71] HOGREFE, RICHARD I., US
[85] 2017-05-31
[86] 2015-12-11 (PCT/US2015/065348)
[87] (WO2016/094845)
[30] US (62/091,027) 2014-12-12
[30] US (62/141,077) 2015-03-31
[30] US (62/180,175) 2015-06-16
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[21] **2,969,468**
[13] A1

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[25] EN
[54] **APPARATUS FOR SLICING ROLLED UP CREPES**
[54] **APPAREIL TRANCHEUR DE CREPES ENROULEES**
[72] SZILAGYI, IMRE IVAN, GB
[71] SZILAGYI, IMRE IVAN, GB
[85] 2017-06-02
[86] 2014-09-12 (PCT/IB2014/064475)
[87] (WO2015/189665)
[30] GB (1411457.3) 2014-06-11

[21] **2,969,472**
[13] A1

[51] **Int.Cl. A61M 1/00 (2006.01) A61F 13/02 (2006.01)**
[25] EN
[54] **UNBACKED AND MODIFIABLE TAPES AND SKIN DRESSINGS**
[54] **BANDES MODIFIABLES ET SANS SUPPORT ET PANSEMENTS POUR LA PEAU**
[72] ZUROVCIK, DANIELLE R., US
[71] WORLDWIDE INNOVATIVE HEALTHCARE, INC., US
[85] 2017-05-31
[86] 2015-12-10 (PCT/US2015/065132)
[87] (WO2016/094742)
[30] US (62/090,350) 2014-12-10
[30] US (62/090,437) 2014-12-11
[30] US (62/182,417) 2015-06-19

[21] **2,969,476**
[13] A1

[51] **Int.Cl. H04L 29/02 (2006.01) H04L 29/10 (2006.01) H04Q 9/00 (2006.01)**
[25] EN
[54] **MOBILE APPLICATION FOR CONTROLLING OUTDOOR GRILL**
[54] **APPLICATION MOBILE POUR COMMANDER UN GRIL EXTERIEUR**
[72] COLSTON, MICHAEL, US
[71] TRAEGER PELLET GRILLS, LLC, US
[85] 2017-03-30
[86] 2016-03-29 (PCT/US2016/024737)
[87] (WO2017/069799)
[30] US (62/245,535) 2015-10-23

[21] **2,969,477**
[13] A1

[51] **Int.Cl. F16L 55/18 (2006.01) F16L 15/02 (2006.01) F16L 21/04 (2006.01) F16L 23/12 (2006.01) F16L 23/18 (2006.01) F16L 25/12 (2006.01) F16L 27/00 (2006.01) F16L 27/12 (2006.01)**
[25] EN
[54] **DISMANTLING JOINT**
[54] **JONCTION DE DEMONTAGE**
[72] DUDUROVIC, MILE, AU
[72] DEANS, ALLAN BUSHHELL, AU
[71] DUDUROVIC, MILE, AU
[71] DEANS, ALLAN BUSHHELL, AU
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[86] 2014-12-18 (PCT/AU2014/001145)
[87] (WO2015/089562)
[30] AU (2013904974) 2013-12-19

[21] **2,969,479**
[13] A1

[51] **Int.Cl. F24F 1/02 (2011.01) F24F 11/02 (2006.01) F24F 13/28 (2006.01)**
[25] EN
[54] **DISC-TYPE AIR ECOSYSTEM BOX AND CLIMATIC ECOLOGIZED AIR-CONDITIONING METHOD THEREFOR**
[54] **BOITE ECOSYSTEME D'AIR DE TYPE CIRCULAIRE ET PROCEDE DE CONDITIONNEMENT D'AIR ECOLOGIQUE CLIMATIQUE ASSOCIE**
[72] LU, HUI, CN
[72] DING, HUANQING, CN
[72] WEL, PENGFENG, CN
[71] JIANGSU FENGSHEN AIR CONDITIONING GROUP CO.,LTD, CN
[85] 2017-06-01
[86] 2015-04-03 (PCT/CN2015/075929)
[87] (WO2016/086562)
[30] CN (201410718817.2) 2014-12-03

[21] **2,969,481**
[13] A1

[51] **Int.Cl. E01B 9/68 (2006.01)**
[25] EN
[54] **BASE PLATE AND RAIL FASTENING POINT**
[54] **PLAQUE DE SUPPORT LEGERE POUR UN PROFILE DE RAIL**
[72] BECKER, DIETMAR, DE
[72] HARRASS, MICHAEL, DE
[72] JONCA, MICHAEL, DE
[72] WROBLEWSKI, ARTUR, DE
[72] BEDNARCZYK, ADRIAN, DE
[71] VOSSLOH-WERKE GMBH, DE
[85] 2017-06-01
[86] 2014-12-02 (PCT/EP2014/076290)
[87] (WO2016/086979)

[21] **2,969,488**
[13] A1

[51] **Int.Cl. H02K 49/04 (2006.01)**
[25] EN
[54] **TRANSMISSIONS INCORPORATING EDDY CURRENT BRAKING**
[54] **TRANSMISSIONS INCORPORANT UN FREINAGE PAR COURANTS DE FOUCAULT**
[72] DIEHL, ANDREW KARL, NZ
[72] HILL, WESTON, NZ
[72] WALTERS, DAVE, NZ
[71] EDDY CURRENT LIMITED PARTNERSHIP, NZ
[85] 2017-05-31
[86] 2015-12-04 (PCT/NZ2015/050207)
[87] (WO2016/089227)
[30] NZ (701549) 2014-12-04

[21] **2,969,497**
[13] A1

[51] **Int.Cl. F24J 2/06 (2006.01) F24J 2/08 (2006.01) F24J 2/34 (2006.01) F24J 2/51 (2006.01) F24J 2/54 (2006.01)**
[25] EN
[54] **SOLAR COLLECTOR**
[54] **CAPTEUR SOLAIRE**
[72] SCHILDER, JOHANNES JACOBUS MARIA, NL
[71] SCHILDER, JOHANNES JACOBUS MARIA, NL
[85] 2017-06-01
[86] 2014-12-19 (PCT/IB2014/067159)
[87] (WO2015/097629)

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[21] **2,969,504**

[13] A1

[51] **Int.Cl. G02F 1/025 (2006.01)**
 [25] EN
 [54] **OPTICAL MODULATOR**
 [54] **MODULATEUR OPTIQUE**
 [72] TSUZUKI, KEN, JP
 [72] KAMEI, SHIN, JP
 [72] JIZODO, MAKOTO, JP
 [71] NIPPON TELEGRAPH AND
 TELEPHONE CORPORATION, JP
 [85] 2017-06-01
 [86] 2015-12-08 (PCT/JP2015/006112)
 [87] (WO2016/092829)
 [30] JP (2014-249405) 2014-12-09

[21] **2,969,509**

[13] A1

[51] **Int.Cl. H01L 31/107 (2006.01)**
 [25] EN
 [54] **AVALANCHE PHOTODIODE**
 [54] **PHOTODIODE A AVALANCHE**
 [72] NADA, MASAHIRO, JP
 [72] MURAMOTO, YOSHIFUMI, JP
 [72] NAKAJIMA, FUMITO, JP
 [72] MATSUZAKI, HIDEAKI, JP
 [71] NIPPON TELEGRAPH AND
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 [85] 2017-06-01
 [86] 2015-11-27 (PCT/JP2015/083358)
 [87] (WO2016/088668)
 [30] JP (2014-246574) 2014-12-05

[21] **2,969,510**

[13] A1

[51] **Int.Cl. B63B 35/73 (2006.01) B62K
 13/00 (2006.01) B62M 9/00 (2006.01)
 B63H 1/14 (2006.01) B63H 5/07
 (2006.01) B63H 5/08 (2006.01) B63H
 16/20 (2006.01) B63H 23/06 (2006.01)**
 [25] EN
 [54] **WATER BIKE**
 [54] **VELO AQUATIQUE**
 [72] SCHILLER, JUDAH, US
 [72] FRICK, ROBERT, US
 [72] WINDMILL, MARTIN, US
 [71] SCHILLER SPORTS, INC., US
 [85] 2017-06-01
 [86] 2015-12-23 (PCT/US2015/000472)
 [87] (WO2016/105569)
 [30] US (62/096,205) 2014-12-23

[21] **2,969,511**

[13] A1

[51] **Int.Cl. B22F 1/00 (2006.01) B22F 3/17
 (2006.01) C22C 33/02 (2006.01) C22C
 38/00 (2006.01) C22C 38/16 (2006.01)**
 [25] EN
 [54] **IRON-BASED ALLOY POWDER
 FOR POWDER METALLURGY,
 AND SINTER-FORGED MEMBER**
 [54] **POUDRE D'ALLIAGE A BASE DE
 FER POUR LA METALLURGIE
 DES POUDRES, ET ELEMENT
 FORGE A CHAUD**
 [72] NAKAMURA, NAOMICHI, JP
 [72] SONOBE, AKIO, JP
 [72] KOBAYASHI, AKIO, JP
 [71] JFE STEEL CORPORATION, JP
 [85] 2017-06-01
 [86] 2015-12-08 (PCT/JP2015/006109)
 [87] (WO2016/092827)
 [30] JP (2014-252313) 2014-12-12
 [30] JP (2015-120565) 2015-06-15

[21] **2,969,512**

[13] A1

[51] **Int.Cl. C09K 8/02 (2006.01) E21B
 21/06 (2006.01)**
 [25] EN
 [54] **DRY DRILLING FLUID
 ADDITIVES AND METHODS
 RELATING THERETO**
 [54] **ADDITIFS FLUIDES POUR
 FORAGE A SEC ET PROCEDES
 S'Y RAPPORANT**
 [72] CORTNER, THOMAS SCOTT, US
 [72] MAY, PRESTON ANDREW, US
 [72] COLLINS, RYAN PATRICK, US
 [71] HALLIBURTON ENERGY
 SERVICES, INC., US
 [85] 2017-06-01
 [86] 2015-01-05 (PCT/US2015/010176)
 [87] (WO2016/111676)

[21] **2,969,513**

[13] A1

[51] **Int.Cl. A61B 3/00 (2006.01) A61F
 9/008 (2006.01) G09B 23/34 (2006.01)**
 [25] EN
 [54] **MODEL EYE PRODUCING A
 SPECKLE PATTERN HAVING A
 REDUCED BRIGHT-TO-DARK
 RATIO FOR USE WITH OPTICAL
 MEASUREMENT SYSTEM FOR
 CATARACT DIAGNOSTICS**
 [54] **MODELE OCULAIRE
 PRODUISANT UNE FIGURE DE
 SPECKLE AYANT UN RAPPORT
 LUMIERE/OBSCURITE REDUIT
 POUR SONT UTILISATION AVEC
 UN SYSTEME DE MESURE
 OPTIQUE POUR LE DIAGNOSTIC
 DE LA CATARACTE**
 [72] COPLAND, RICHARD J., US
 [72] NEAL, DANIEL R., US
 [72] RAYMOND, THOMAS D., US
 [72] XIONG, WEI, US
 [72] PULASKI, PAUL D., US
 [72] FARRER, STEPHEN W., US
 [72] VIDAL, CARMEN CANOVAS, NL
 [71] AMO WAVEFRONT SCIENCES,
 LLC., US
 [85] 2017-06-01
 [86] 2014-12-03 (PCT/US2014/068412)
 [87] (WO2016/089395)

[21] **2,969,516**

[13] A1

[51] **Int.Cl. C09D 5/14 (2006.01)**
 [25] EN
 [54] **CABLES HAVING AN
 ANTIMICROBIAL COATING**
 [54] **CABLES A REVETEMENT
 ANTIMICROBIEN**
 [72] RANGANATHAN, SATHISH
 KUMAR, US
 [72] MALINOSKI, JON MICHAEL, US
 [72] ROLAND, ALBEN D., US
 [72] SIRIPURAPU, SRINIVAS, US
 [71] GENERAL CABLE TECHNOLOGIES
 CORPORATION, US
 [85] 2017-06-01
 [86] 2014-12-08 (PCT/US2014/069090)
 [87] (WO2016/093792)

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[21] **2,969,517**
[13] A1

[51] **Int.Cl. G06Q 20/40 (2012.01) G06Q 20/12 (2012.01)**

[25] EN

[54] **FACILITATING SENDING AND RECEIVING OF PEER-TO-BUSINESS PAYMENTS**

[54] **FACILITATION DE L'ENVOI ET DE LA RECEPTION DE PAIEMENTS ENTRE UN PARTICULIER ET UNE ENTREPRISE**

[72] DAVIS, STEPHEN MOORE, US

[72] NALLA, VIPAN REDDY RAJA, US

[71] FACEBOOK, INC., US

[85] 2017-06-01

[86] 2014-12-20 (PCT/US2014/071758)

[87] (WO2016/099573)

[30] US (14/577,410) 2014-12-19

[21] **2,969,519**
[13] A1

[51] **Int.Cl. B64C 1/00 (2006.01)**

[25] EN

[54] **A THIN GEL GASKET AND A METHOD OF MAKING AND USING THE SAME**

[54] **JOINT D'ETANCHEITE DE GEL MINCE ET SON PROCEDE DE FABRICATION ET D'UTILISATION**

[72] BUSBY, JEFF, US

[72] SCHMIDT, DAVID, US

[72] BOOMER, KENT, US

[72] BOYD, MATT, US

[71] THE PATENT WELL LLC, US

[85] 2017-06-01

[86] 2015-05-05 (PCT/US2015/029232)

[87] (WO2015/171605)

[30] US (61/988,949) 2014-05-06

[21] **2,969,522**
[13] A1

[51] **Int.Cl. C09K 8/60 (2006.01) C09K 8/035 (2006.01)**

[25] EN

[54] **ACTIVATORS FOR INORGANIC OXIDE BREAKERS**

[54] **ACTIVATEURS DE RUPTURE D'OXYDES INORGANIQUES**

[72] SALLA, RAJENDER, IN

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-06-01

[86] 2015-01-08 (PCT/US2015/010657)

[87] (WO2016/111692)

[21] **2,969,534**
[13] A1

[51] **Int.Cl. G06F 19/00 (2011.01) H04N 19/10 (2014.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR GENERATING RANDOM NUMBERS USING PHYSICAL VARIATIONS PRESENT IN MATERIAL SAMPLES**

[54] **SYSTEMES ET PROCEDES DE GENERATION DE NOMBRES ALEATOIRES A L'AIDE DE VARIATIONS PHYSIQUES EXISTANT DANS DES ECHANTILLONS DE MATERIAU**

[72] SCHUMACHER, JENNIFER F., US

[72] CASNER, GLENN E., US

[72] SHKEL, YANINA, US

[72] BONIFAS, ANDREW P., US

[72] SABELLI, ANTHONY J., US

[72] STANKIEWICZ, BRIAN J., US

[72] WHEATLEY, JOHN A., US

[72] SIVALINGAM, RAVISHANKAR, US

[72] SHANNON, ROBERT W., US

[71] 3M INNOVATIVE PROPERTIES COMPANY, US

[85] 2017-06-01

[86] 2015-12-01 (PCT/US2015/063184)

[87] (WO2016/133573)

[30] US (62/086,961) 2014-12-03

[21] **2,969,535**
[13] A1

[51] **Int.Cl. A61M 31/00 (2006.01) A61M 37/00 (2006.01)**

[25] EN

[54] **SERRATION BALLOON**

[54] **BALLONNET A DENTELURES**

[72] SCHNEIDER, PETER, US

[72] GIASOLLI, ROBERT, US

[71] CAGENT VASCULAR, LLC, US

[85] 2017-06-01

[86] 2015-11-03 (PCT/US2015/058847)

[87] (WO2016/073490)

[30] US (62/074,586) 2014-11-03

[21] **2,969,538**
[13] A1

[51] **Int.Cl. A61M 25/10 (2013.01) A61B 17/22 (2006.01)**

[25] EN

[54] **MEDICAL BALLOON**

[54] **BALLONNET MEDICAL**

[72] SCHNEIDER, PETER, US

[72] GIASOLLI, ROBERT M., US

[71] CAGENT VASCULAR, LLC, US

[85] 2017-06-01

[86] 2015-11-03 (PCT/US2015/058874)

[87] (WO2016/073511)

[30] US (62/074,548) 2014-11-03

[21] **2,969,540**
[13] A1

[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/496 (2006.01) C07D 231/56 (2006.01)**

[25] EN

[54] **COMBINATIONS FOR THE TREATMENT OF NEUROBLASTOMA**

[54] **COMBINAISONS POUR LE TRAITEMENT DU NEUROBLASTOME**

[72] HORNBY, ZACHARY DOLPH, US

[72] LI, GANG, US

[72] ANDERSON, DAVID WESLEY, US

[72] BRODEUR, GARRETT M., US

[72] IYER, RADHIKA, US

[71] IGNYTA, INC., US

[85] 2017-06-01

[86] 2015-11-30 (PCT/US2015/062975)

[87] (WO2016/089760)

[30] US (62/086,366) 2014-12-02

[21] **2,969,544**
[13] A1

[51] **Int.Cl. B65G 47/20 (2006.01) B65G 41/00 (2006.01)**

[25] EN

[54] **MATERIAL TRANSFER VEHICLE HAVING AN EXPANDABLE TRUCK-RECEIVING HOPPER**

[54] **VEHICULE DE TRANSFERT DE MATERIAU PRESENTANT UNE TRÉMIE DE RECEPTION DE CAMION EXTENSIBLE**

[72] BROWN, IRINA, US

[71] ROADTEC, INC., US

[85] 2017-06-01

[86] 2015-12-18 (PCT/US2015/066811)

[87] (WO2016/106147)

[30] US (62/095,167) 2014-12-22

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[21] **2,969,546**
[13] A1

[51] **Int.Cl. G01R 31/08 (2006.01) H02H 3/00 (2006.01) H02J 3/18 (2006.01)**

[25] EN

[54] **FAULT DETECTION AND DIRECTION DETERMINATION**

[54] **DETECTION DE DEFAUT ET DETERMINATION DE DIRECTION**

[72] ENNIS, MICHAEL, US

[72] GARDNER, ADAM, US

[72] MONTENEGRO, ALEJANDRO, US

[72] SHARON, YOAV, US

[71] S&C ELECTRIC COMPANY, US

[85] 2017-06-01

[86] 2015-12-01 (PCT/US2015/063258)

[87] (WO2016/089910)

[30] US (62/085,961) 2014-12-01

[30] US (14/956,125) 2015-12-01

[21] **2,969,552**
[13] A1

[51] **Int.Cl. G05D 1/00 (2006.01) G01C 21/34 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR DEVELOPING A FLIGHT PATH**

[54] **PROCEDE ET APPAREIL D'ELABORATION DE TRAJET DE VOL**

[72] BRUGGEMANN, TROY, AU

[72] FORD, JASON, AU

[71] SPATIAL INFORMATION SYSTEMS RESEARCH LIMITED, AU

[85] 2017-06-02

[86] 2014-11-20 (PCT/AU2014/050360)

[87] (WO2015/081383)

[30] AU (2013904709) 2013-12-04

[30] AU (2014902240) 2014-06-12

[21] **2,969,558**
[13] A1

[51] **Int.Cl. C25C 3/22 (2006.01) B01D 53/06 (2006.01) C25C 3/08 (2006.01)**

[25] FR

[54] **ELECTROLYSIS PLANT AND METHOD FOR TREATING CELL GASES**

[54] **USINE D'ELECTROLYSE ET PROCEDE DE TRAITEMENT DES GAZ DE CUVE**

[72] GIRAULT, GUILLAUME, FR

[72] PETIT, STEPHANE, FR

[71] RIO TINTO ALCAN INTERNATIONAL LIMITED, CA

[85] 2017-06-01

[86] 2015-12-02 (PCT/IB2015/002283)

[87] (WO2016/092357)

[30] FR (14 02805) 2014-12-08

[21] **2,969,563**
[13] A1

[51] **Int.Cl. A61K 8/64 (2006.01) A61K 8/67 (2006.01) A61K 8/73 (2006.01)**

[25] EN

[54] **SILK PERFORMANCE APPAREL AND PRODUCTS AND METHODS OF PREPARING THE SAME**

[54] **VETEMENT DE PERFORMANCE DE SOIE, ET PRODUITS ET PROCEDES DE PREPARATION DE CELUI-CI**

[72] ALTMAN, GREGORY H., US

[72] MORTARINO, ENRICO, US

[71] SILK THERAPEUTICS, INC., US

[85] 2017-06-01

[86] 2015-12-02 (PCT/US2015/063545)

[87] (WO2016/090055)

[30] US (62/086,297) 2014-12-02

[30] US (62/192,477) 2015-07-14

[30] US (62/245,221) 2015-10-22

[21] **2,969,571**
[13] A1

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

[25] EN

[54] **NATIVE APPLICATION SINGLE SIGN-ON**

[54] **SIGNATURE UNIQUE D'APPLICATION D'ORIGINE**

[72] WALTERS, RICHARD JOHN, GB

[72] KNOTT, SIMON DAVID, GB

[71] INTERMEDIA.NET, INC., US

[85] 2017-06-01

[86] 2015-11-05 (PCT/US2015/059155)

[87] (WO2016/089536)

[30] US (14/556,391) 2014-12-01

[21] **2,969,572**
[13] A1

[51] **Int.Cl. G01N 33/00 (2006.01) A61K 38/00 (2006.01)**

[25] EN

[54] **ACTIVIN-ACTRII ANTAGONISTS AND USES FOR TREATING ANEMIA**

[54] **ANTAGONISTES DE L'ACTIVINE-ACTRII ET LEURS UTILISATIONS POUR LE TRAITEMENT DE L'ANEMIE**

[72] ATTIE, KENNETH, M., US

[72] ROVALDI, CHRISTOPHER, US

[72] LAADEM, ABDERRAHMANE, US

[71] CELGENE CORPORATION, US

[71] ACCELERON PHARMA INC., US

[85] 2017-06-01

[86] 2015-12-03 (PCT/US2015/063595)

[87] (WO2016/090077)

[30] US (62/086,977) 2014-12-03

[30] US (62/088,478) 2014-12-05

[30] US (62/153,872) 2015-04-28

[30] US (62/173,782) 2015-06-10

[30] US (62/218,728) 2015-09-15

[21] **2,969,574**
[13] A1

[51] **Int.Cl. C07K 14/54 (2006.01) C07K 1/113 (2006.01)**

[25] EN

[54] **METHODS OF IMPROVING YIELD IN RECOMBINANT PROTEIN PRODUCTION**

[54] **PROCEDES D'AMELIORATION DU RENDEMENT DANS LA PRODUCTION DE PROTEINES RECOMBINEES**

[72] CHAN, JACKIE SHEK KEI, US

[72] JORGENSEN, BRETT HAROLD, US

[72] MUMM, JOHN BRIAN, US

[71] ARMO BIOSCIENCES, INC., US

[85] 2017-06-01

[86] 2015-12-21 (PCT/US2015/067135)

[87] (WO2016/106229)

[30] US (62/096,359) 2014-12-23

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[21] **2,969,579**
[13] A1

[51] **Int.Cl. A61B 17/32 (2006.01) A61B 90/30 (2016.01) A61B 5/04 (2006.01) A61B 18/14 (2006.01) A61M 25/10 (2013.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR PERCUTANEOUS DIVISION OF FIBROUS STRUCTURES**

[54] **SYSTEMES ET PROCEDES DE DIVISION PERCUTANEE DE STRUCTURES FIBREUSES**

[72] AKLOG, LISHAN, US

[72] DEGUZMAN, BRIAN J., US

[71] PAVMED INC., US

[85] 2017-06-01

[86] 2015-12-03 (PCT/US2015/063703)

[87] (WO2016/090122)

[30] US (62/086,950) 2014-12-03

[21] **2,969,583**
[13] A1

[51] **Int.Cl. B01F 3/12 (2006.01)**

[25] EN

[54] **MIXING CHAMBER**

[54] **CHAMBRE DE MELANGE**

[72] HATCH, BRIGHAM, US

[72] STRATTON, BRYAN, US

[71] BAKERY CONCEPTS INTERNATIONAL, LLC, US

[85] 2017-06-01

[86] 2015-12-03 (PCT/US2015/063704)

[87] (WO2016/090123)

[30] US (62/086,815) 2014-12-03

[21] **2,969,586**
[13] A1

[51] **Int.Cl. A61K 31/00 (2006.01) A61K 31/382 (2006.01) A61K 31/40 (2006.01) A61P 35/00 (2006.01) C12N 1/21 (2006.01) C12Q 1/68 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS RELATING TO PROLIFERATIVE DISORDERS**

[54] **COMPOSITIONS ET METHODES ASSOCIEES A DES TROUBLES PROLIFERATIFS**

[72] CARLOCK, LEON, US

[72] CYPHER, MARIA, US

[71] WAYNE STATE UNIVERSITY, US

[85] 2017-06-01

[86] 2015-12-03 (PCT/US2015/063777)

[87] (WO2016/090159)

[30] US (62/087,023) 2014-12-03

[21] **2,969,590**
[13] A1

[51] **Int.Cl. A61K 31/12 (2006.01) A61K 8/35 (2006.01) A61P 17/14 (2006.01) A61Q 7/00 (2006.01)**

[25] EN

[54] **METHODS FOR THE TREATMENT OF ALOPECIA AREATA UTILIZING GENE MODULATION APPROACHES**

[54] **METHODES DE TRAITEMENT DE L'ALOPECIE EN AIRES A L'AIDE D'APPROCHES DE MODULATION GENIQUE**

[72] CAUWENBERGH, GERARD, US

[72] JOHNSON, KEITH, US

[71] RXI PHARMACEUTICALS CORPORATION, US

[85] 2017-06-01

[86] 2015-12-03 (PCT/US2015/063805)

[87] (WO2016/090173)

[30] US (62/087,138) 2014-12-03

[30] US (62/095,309) 2014-12-22

[21] **2,969,594**
[13] A1

[51] **Int.Cl. A61K 31/519 (2006.01) A61P 25/28 (2006.01) C07D 487/04 (2006.01)**

[25] EN

[54] **ORGANIC COMPOUNDS**

[54] **COMPOSES ORGANIQUES**

[72] LI, PENG, US

[72] ZHENG, HAILIN, US

[72] SNYDER, GRETCHEN, US

[72] WENNOGLE, LAWRENCE P., US

[72] HENDRICK, JOSEPH, US

[71] INTRA-CELLULAR THERAPIES, INC., US

[85] 2017-06-01

[86] 2015-12-07 (PCT/US2015/064324)

[87] (WO2016/090380)

[30] US (62/088,541) 2014-12-06

[21] **2,969,597**
[13] A1

[51] **Int.Cl. A61K 31/4375 (2006.01) C07D 471/14 (2006.01)**

[25] EN

[54] **ORGANIC COMPOUNDS**

[54] **COMPOSES ORGANIQUES**

[72] LI, PENG, US

[72] ZHENG, HAILIN, US

[72] SNYDER, GRETCHEN, US

[72] WENNOGLE, LAWRENCE P., US

[72] HENDRICK, JOSEPH, US

[71] INTRA-CELLULAR THERAPIES, INC., US

[85] 2017-06-01

[86] 2015-12-07 (PCT/US2015/064331)

[87] (WO2016/090382)

[30] US (62/088,540) 2014-12-06

[21] **2,969,606**
[13] A1

[51] **Int.Cl. B01F 15/00 (2006.01) A47G 19/22 (2006.01) B65D 37/00 (2006.01)**

[25] EN

[54] **MUG**

[54] **TASSE**

[72] LAARMANN, ELMAR, EE

[72] DENISOFF, ALEKSANDER, EE

[72] INNO, MARKO, EE

[72] KALDOJA, KAUR, EE

[72] USIN, JALVAR, EE

[72] USIN, RAIDO, EE

[72] KALEV, ARDO, EE

[71] LAARMANN, ELMAR, EE

[71] DENISOFF, ALEKSANDER, EE

[71] INNO, MARKO, EE

[71] KALDOJA, KAUR, EE

[71] USIN, JALVAR, EE

[71] USIN, RAIDO, EE

[71] KALEV, ARDO, EE

[85] 2017-06-02

[86] 2015-12-02 (PCT/FI2015/050843)

[87] (WO2016/087715)

[30] FI (20140336) 2014-12-02

Demandes PCT entrant en phase nationale

[21] **2,969,609**
[13] A1

[51] **Int.Cl. G01N 33/537 (2006.01) G01N 33/58 (2006.01) G01N 33/94 (2006.01)**

[25] EN

[54] **INDIRECT HOMOGENEOUS MOBILITY SHIFT ASSAYS FOR THE DETECTION OF BIOLOGICS IN PATIENT SAMPLES**

[54] **DOSAGES HMSA (HOMOGENEOUS MOBILITY SHIFT ASSAY) INDIRECTS POUR LA DETECTION DE SUBSTANCES BIOLOGIQUES DANS DES ECHANTILLONS PRELEVES CHEZ DES PATIENTS**

[72] SALBATO, JARED, US
[72] WESTIN, STEFAN, US
[72] CHI-KWAN LING, NICHOLAS, US
[72] JAIN, ANJALI, US
[72] SINGH, SHARAT, US
[71] NESTEC S.A., CH
[85] 2017-06-02
[86] 2015-12-04 (PCT/IB2015/059381)
[87] (WO2016/088104)
[30] US (62/088,465) 2014-12-05
[30] US (62/113,317) 2015-02-06
[30] US (62/158,791) 2015-05-08

[21] **2,969,617**
[13] A1

[51] **Int.Cl. A01H 5/00 (2006.01) C12N 15/53 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **GENERATION OF TRANSGENIC CANOLA WITH LOW OR NO SATURATED FATTY ACIDS**

[54] **GENERATION DE COLZA TRANSGENIQUE AYANT PEU OU PAS D'ACIDES GRAS SATURES**

[72] GACHOTTE, DANIEL J., US
[72] MERLO, P. ANN OWENS, US
[72] THOMPSON, MARK A., US
[72] WALSH, TERENCE A., US
[72] WILSON, BETH RUBIN, US
[72] WELTER, MARY, US
[71] DOW AGROSCIENCES LLC, US
[85] 2017-06-02
[86] 2014-12-19 (PCT/US2014/071705)
[87] (WO2016/099568)

[21] **2,969,621**
[13] A1

[51] **Int.Cl. E21B 44/00 (2006.01) G05B 19/02 (2006.01) G06F 19/00 (2011.01)**

[25] EN

[54] **SELECTION OF DIVERSION TECHNIQUES BASED UPON WEIGHTED WELL CHARACTERISTICS**

[54] **SELECTION DE TECHNIQUES DE DERIVATION SUR LA BASE DE CARACTERISTIQUES DE Puits PONDEREES**

[72] POYYARA, RAGI LOHIDAKSHAN, IN
[72] PATNANA, VIJAYA KUMAR, IN
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-06-02
[86] 2015-01-06 (PCT/US2015/010319)
[87] (WO2016/111680)

[21] **2,969,625**
[13] A1

[51] **Int.Cl. C12P 19/04 (2006.01) C09K 8/514 (2006.01) C09K 8/90 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING RADIOBACTERIA FOR THERAPY OF CANCER**

[54] **PROCEDE DE PRODUCTION DE RADIOBACTERIES DANS LA THERAPIE DU CANCER**

[72] GRAVEKAMP, CLAUDIA, US
[72] DADACHOVA, EKATERINA, US
[72] CHANDRA, DINESH, US
[71] ALBERT EINSTEIN COLLEGE OF MEDICINE, INC., US
[85] 2017-06-02
[86] 2015-10-19 (PCT/US2015/056190)
[87] (WO2016/073176)
[30] US (62/074,702) 2014-11-04

[21] **2,969,628**
[13] A1

[51] **Int.Cl. A21D 2/32 (2006.01) A23G 1/02 (2006.01) A23J 7/00 (2006.01)**

[25] EN

[54] **METHODS OF IMPROVING LECITHIN FUNCTIONALITY AND APPLICATIONS THEREOF**

[54] **PROCEDES D'AMELIORATION DE LA FONCTIONNALITE DE LA LECITHINE ET LEURS APPLICATIONS**

[72] BASEETH, SHIREEN, US
[72] SEBREE, BRUCE, US
[72] JADHAV, SWAPNIL, US
[71] ARCHER DANIELS MIDLAND COMPANY, US
[85] 2017-06-01
[86] 2015-12-02 (PCT/US2015/063474)
[87] (WO2016/090020)
[30] US (62/086,556) 2014-12-02

[21] **2,969,633**
[13] A1

[51] **Int.Cl. B23K 35/26 (2006.01) C22C 13/02 (2006.01)**

[25] EN

[54] **SOLDER ALLOY, SOLDER PASTE, AND ELECTRONIC CIRCUIT BOARD**

[54] **ALLIAGE DE SOUDURE, PATE DE SOUDURE, ET CARTE DE CIRCUITS IMPRIMES**

[72] IKEDA, KAZUKI, JP
[72] INOUE, KOSUKE, JP
[72] ICHIKAWA, KAZUYA, JP
[72] TAKEMOTO, TADASHI, JP
[71] HARIMA CHEMICALS, INCORPORATED, JP
[85] 2017-06-02
[86] 2015-02-24 (PCT/JP2015/055203)
[87] (WO2016/098358)
[30] JP (2014-253280) 2014-12-15

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[21] **2,969,634**

[13] A1

[51] **Int.Cl. C10L 3/10 (2006.01) B01D
53/14 (2006.01) B01D 53/18 (2006.01)
B01D 53/22 (2006.01) B01D 71/02
(2006.01)**

[25] EN

[54] **NATURAL GAS REFINING
APPARATUS AND SYSTEM**

[54] **DISPOSITIF ET SYSTEME DE
RAFFINAGE DE GAZ NATUREL**

[72] TANAKA, YUKIO, JP

[72] YOSHIYAMA, RYUJI, JP

[72] EDA, MASAYUKI, JP

[72] AKIYAMA, TOMOH, JP

[71] MITSUBISHI HEAVY INDUSTRIES,
LTD., JP

[85] 2017-06-02

[86] 2015-11-16 (PCT/JP2015/082072)

[87] (WO2016/088538)

[30] JP (2014-245975) 2014-12-04

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[21] 2,913,574 [13] A1	[21] 2,947,088 [13] A1	[21] 2,947,703 [13] A1
<p>[51] Int.Cl. C02F 3/12 (2006.01) C02F 3/02 (2006.01) C02F 9/14 (2006.01)</p> <p>[25] EN</p> <p>[54] LOW-PRESSURE AERATION TREATMENT OF BIOLOGICAL WASTEWATER</p> <p>[54] TRAITEMENT D'AERATION BASSE PRESSION D'EAUX USEES BIOLOGIQUES</p> <p>[72] CLOETE, TEUNIS, CA</p> <p>[72] ROXBURGH, RUTH, CA</p> <p>[72] LI, LISHENG, CA</p> <p>[71] CLEARBAKK ENERGY SERVICES LTD., CA</p> <p>[22] 2015-12-01</p> <p>[41] 2017-06-01</p>	<p>[51] Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/10 (2016.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2006.01) A01H 5/10 (2006.01) A23D 9/00 (2006.01) A23J 1/12 (2006.01) C08B 30/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)</p> <p>[25] EN</p> <p>[54] VARIETY CORN LINE GAB2009</p> <p>[54] VARITE DE MAIS GAB2009</p> <p>[72] DE DREU, ADRIAN JAN, CA</p> <p>[71] SYNGENTA PARTICIPATIONS AG, CH</p> <p>[22] 2016-11-01</p> <p>[41] 2017-05-16</p> <p>[30] US (14/941,824) 2015-11-16</p>	<p>[51] Int.Cl. C08L 9/06 (2006.01) B29D 30/06 (2006.01) C08K 3/36 (2006.01) C08L 9/00 (2006.01) C08L 25/16 (2006.01) C08L 45/02 (2006.01) C08L 91/00 (2006.01)</p> <p>[25] EN</p> <p>[54] PNEUMATIC TIRE</p> <p>[54] PNEUMATIQUE</p> <p>[72] ISITMAN, NIHAT ALI, LU</p> <p>[72] POMPEI, MANUELA, LU</p> <p>[72] ENGELDINGER, ERIC, LU</p> <p>[71] THE GOODYEAR TIRE & RUBBER COMPANY, US</p> <p>[22] 2016-11-07</p> <p>[41] 2017-05-20</p> <p>[30] US (62/257,772) 2015-11-20</p> <p>[30] US (15/341,061) 2016-11-02</p>
[21] 2,945,777 [13] A1	[21] 2,947,203 [13] A1	[21] 2,948,318 [13] A1
<p>[51] Int.Cl. B01D 46/02 (2006.01) B01D 35/02 (2006.01)</p> <p>[25] EN</p> <p>[54] FUEL TANK INERTING PREFILTER ASSEMBLIES, DEVICES, AND METHODS OF USE</p> <p>[54] DISPOSITIFS DE PREFILTRE D'INERTAGE DE RESERVOIR DE CARBURANT, DISPOSITIFS ET METHODES D'UTILISATION</p> <p>[72] CARRION, ALEXANDER, US</p> <p>[72] PATEL, RAJESH D., US</p> <p>[72] STEIN, DAVID JONATHAN, US</p> <p>[71] PALL CORPORATION, US</p> <p>[22] 2016-10-19</p> <p>[41] 2017-05-23</p> <p>[30] US (14/948,894) 2015-11-23</p>	<p>[51] Int.Cl. B32B 43/00 (2006.01) B32B 5/18 (2006.01) B32B 7/02 (2006.01) B32B 7/08 (2006.01) B32B 38/04 (2006.01) C08J 9/36 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND NEEDLE FOR REINFORCING CELLULAR MATERIALS</p> <p>[54] METHODE ET AIGUILLE DE RENFORT DE MATERIAUX CELLULAIRES</p> <p>[72] JORN, PAUL, DE</p> <p>[72] MULLER, MARKUS, DE</p> <p>[71] AIRBUS OPERATIONS GMBH, DE</p> <p>[22] 2016-10-31</p> <p>[41] 2017-05-26</p> <p>[30] EP (15196589.4) 2015-11-26</p>	<p>[51] Int.Cl. B29D 11/00 (2006.01) G02B 1/10 (2015.01) C09K 3/10 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR PRODUCING AND COATING A LENS</p> <p>[54] METHODE DE PRODUCTION ET DE REVETEMENT D'UNE LENTILLE</p> <p>[72] PIOTROWSKI, DANIEL, CH</p> <p>[72] ULRICH, RENE JOSEF, CH</p> <p>[71] INTERGLASS TECHNOLOGY AG, CH</p> <p>[22] 2016-11-14</p> <p>[41] 2017-05-19</p> <p>[30] CH (1688/15) 2015-11-19</p>

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[21] **2,948,632**
[13] A1

[51] **Int.Cl. A21D 10/02 (2006.01) A21D 13/41 (2017.01) A21D 8/02 (2006.01) A21D 8/04 (2006.01) A21D 10/00 (2006.01) A21D 15/00 (2006.01)**

[25] EN

[54] **A FROZEN DOUGH PRODUCT AND METHOD FOR MAKING THE SAME**

[54] **UN PRODUIT DE PATE CONGEELEE ET UNE METHODE DE FABRICATION ASSOCIEE**

[72] CAI, RONGXUAN, US

[72] MEITTUNEN, STACEY FOWLER, US

[71] SFC GLOBAL SUPPLY CHAIN, INC., US

[22] 2016-11-15

[41] 2017-05-19

[30] US (62/257,516) 2015-11-19

[21] **2,948,723**
[13] A1

[51] **Int.Cl. C05F 1/00 (2006.01) C05G 5/00 (2006.01)**

[25] EN

[54] **FERTILIZER COMPOSITIONS INCLUDING WOOL PELLETS AND ANIMAL PRODUCTS, WOOL PELLETS INCLUDING ANIMAL PRODUCTS, AND RELATED METHODS**

[54] **COMPOSITIONS DE FERTILISANT INCLUANT DES GRANULES DE BOIS ET DES PRODUITS ANIMAUX, GRANULES DE BOIS INCLUANT DES PRODUITS ANIMAUX, ET METHODES ASSOCIEES**

[72] GOLD, BRIAN D., US

[72] GOLD, MARK S., US

[72] WILDE, ALBERT R., US

[71] GOLD, BRIAN D., US

[71] GOLD, MARK S., US

[71] WILDE, ALBERT R., US

[22] 2016-11-17

[41] 2017-05-25

[30] US (14/952,475) 2015-11-25

[21] **2,948,906**
[13] A1

[51] **Int.Cl. A61F 5/05 (2006.01) A61F 5/02 (2006.01)**

[25] EN

[54] **WRIST BRACE WITH ENHANCED LACING**

[54] **SUPPORT DE POIGNET DOTE DE LACAGE AMELIORE**

[72] GAYLORD, ERIC LEE, US

[71] MEDICAL SPECIALTIES, INC., US

[22] 2016-11-18

[41] 2017-05-20

[30] US (62/257,933) 2015-11-20

[30] US (62/400,343) 2016-09-27

[21] **2,949,033**
[13] A1

[51] **Int.Cl. C07K 16/00 (2006.01) A61K 47/64 (2017.01) A61K 47/68 (2017.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **ANTIBODIES AND ANTIBODY FRAGMENTS FOR SITE-SPECIFIC CONJUGATION**

[54] **ANTICORPS ET FRAGMENTS D'ANTICORPS DESTINES A LA CONJUGAISON SPECIFIQUE AU SITE**

[72] MA, DANGSHE, US

[72] MARQUETTE, KIMBERLEY ANN, US

[72] GRAZIANI, EDMUND IDRIS, US

[72] SAPRA, PUJA, US

[72] TUMEY, LAWRENCE NATHAN, US

[72] PRASHAD, NADIRA ANARKALI, US

[72] KHANDKE, KIRAN MANOHAR, US

[72] BENNETT, ERIC M., US

[72] TCHISTIAKOVA, LIUDMILA, US

[71] PFIZER INC., US

[22] 2016-11-21

[41] 2017-05-30

[30] US (62/260,854) 2015-11-30

[30] US (62/289,744) 2016-02-01

[30] US (62/409,323) 2016-10-17

[21] **2,949,166**
[13] A1

[51] **Int.Cl. B65D 51/16 (2006.01) B65D 43/02 (2006.01)**

[25] EN

[54] **LID FOR CONTAINER**

[54] **COUVERCLE DE CONTENANT**

[72] BRANNOCK, SAMUEL LINCOLN, US

[71] HARL-BELLA HOLDINGS, LLC, US

[22] 2016-11-18

[41] 2017-05-20

[30] US (14/948,031) 2015-11-20

[21] **2,949,168**
[13] A1

[51] **Int.Cl. B65D 51/16 (2006.01) B65D 43/02 (2006.01)**

[25] EN

[54] **LID FOR CONTAINER**

[54] **COUVERCLE DE CONTENANT**

[72] BRANNOCK, SAMUEL LINCOLN, US

[71] HARL-BELLA HOLDINGS, LLC, US

[22] 2016-11-18

[41] 2017-05-20

[30] US (14/948,085) 2015-11-20

[21] **2,949,318**
[13] A1

[51] **Int.Cl. B65D 21/08 (2006.01)**

[25] EN

[54] **COLLAPSIBLE DAIRY CRATE**

[54] **CAISSE PLIABLE DESTINEE AUX PRODUITS LAITIERS**

[72] CLARK, SUZANNE WHITFIELD, US

[72] GUERRY, BRIAN ROBERT, US

[72] ENGLERT, TRAVIS JAMES, US

[71] REHRIG PACIFIC COMPANY, US

[22] 2016-11-23

[41] 2017-05-24

[30] US (62/259,600) 2015-11-24

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demandes mises à la disponibilité du public non disponibles auparavant**

[21] **2,949,410**
[13] A1

[51] **Int.Cl. C12P 7/62 (2006.01) C12N 1/13 (2006.01) C12N 1/21 (2006.01) C12N 9/02 (2006.01) C12N 9/10 (2006.01) C12N 15/52 (2006.01) C12N 15/53 (2006.01) C12N 15/54 (2006.01) C12N 15/63 (2006.01) C12N 15/67 (2006.01)**

[25] EN

[54] **BIOTECHNOLOGICAL PRODUCTION OF .OMEGA.-FUNCTIONALISED CARBOXYLIC ACIDS AND ESTERS THEREOF**

[54] **PRODUCTION BIOTECHNOLOGIQUE D'ACIDES CARBOXYLIQUES FONCTIONNALISES EN OMEGA ET ESTERS ASSOCIES**

[72] SCHAFFER, STEFFEN, DE
[72] HAAS, THOMAS, DE
[72] BRUGGING, WILHELM, DE
[72] MEIER, RALF, DE
[71] EVONIK DEGUSSA GMBH, DE
[22] 2016-11-22
[41] 2017-05-25
[30] EP (15 196 180.2) 2015-11-25

[21] **2,949,475**
[13] A1

[51] **Int.Cl. B29C 45/18 (2006.01) B29C 45/20 (2006.01)**

[25] EN

[54] **INJECTION UNIT AND DIRECTION CHANGEOVER VALVE**

[54] **MODULE D'INJECTION ET SOUPEPE DE CHANGEMENT DE DIRECTION**

[72] NOSAKA, HIROMICHI, JP
[71] SUMITOMO HEAVY INDUSTRIES, LTD., JP
[22] 2016-11-24
[41] 2017-05-25
[30] JP (2015-229728) 2015-11-25

[21] **2,949,499**
[13] A1

[51] **Int.Cl. B01D 53/047 (2006.01) C01B 3/02 (2006.01) C01B 3/32 (2006.01)**

[25] EN

[54] **PROCESS FOR PRODUCING HYDROGEN WITH REDUCED CORROSION**

[54] **PROCEDE DE PRODUCTION D'HYDROGENE A CORROSION REDUITE**

[72] SICINSKI, MICHAEL ANDREW, US
[72] GRAHAM, DAVID ROSS, US
[72] FORESTER, KELLY ANN, US
[72] SILVESTRE, CANDICE DAIBES, US
[72] LOUGHNEY, GERALD MICHAEL, US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2016-11-24
[41] 2017-05-24
[30] US (14/950,044) 2015-11-24

[21] **2,949,659**
[13] A1

[51] **Int.Cl. C08L 75/06 (2006.01)**

[25] EN

[54] **RENEWABLY DERIVED THERMOPLASTIC POLYESTER-BASED URETHANES AND METHODS OF MAKING AND USING THE SAME**

[54] **URETHANES A BASE DE POLYESTER THERMOPLASTIQUE DERIVE RENOUVELABLE ET METHODES DE FABRICATION ET UTILISATION ASSOCIEES**

[72] SARINE, SURESH, CA
[72] SHETRANJIWALLA, SHEGUFTA, CA
[72] LI, SHAOJUN, CA
[72] BOUZIDI, LAZIZ, CA
[71] TRENT UNIVERSITY, CA
[22] 2016-11-25
[41] 2017-05-25
[30] US (62/259754) 2015-11-25

[21] **2,949,806**
[13] A1

[51] **Int.Cl. B27L 7/06 (2006.01)**

[25] EN

[54] **WOOD SPLITTING AID**

[54] **ASSISTANT DE FENDAGE DU BOIS**

[72] SEED, NICHOLAS H., CA
[71] SEED, NICHOLAS H., CA
[22] 2016-11-28
[41] 2017-05-26
[30] GB (GB-1520875.4) 2015-11-26

[21] **2,950,088**
[13] A1

[51] **Int.Cl. C07H 15/26 (2006.01) A61K 31/7052 (2006.01)**

[25] EN

[54] **HETEROBIFUNCTIONAL COMPOUNDS HAVING A TRIAZOLE LINKER AND E AND/OR P SELECTIN BINDING AFFINITY**

[54] **COMPOSES HETEROBIFONCTIONNELS COMPORTANT UN LIEN TRIAZOLE ET UNE AFFINITE DE LIAISON DE SELECTINE E OU P**

[72] ERNST, BEAT, CH
[72] WAGNER, BEATRICE, CH
[71] GLYCOMIMETICS, INC., US
[22] 2016-11-30
[41] 2017-06-02
[30] US (62/262,155) 2015-12-02

[21] **2,962,017**
[13] A1

[51] **Int.Cl. A01N 43/40 (2006.01) A01N 37/38 (2006.01) A01P 3/00 (2006.01)**

[25] EN

[54] **PLANT DISEASE CONTROLLING COMPOSITION CONTAINING MANDESTROBIN AND FLUOPYRAM AND METHOD FOR CONTROLLING PLANT DISEASES**

[54] **METHODE ET COMPOSITION POUR LUTTER CONTRE LES MALADIES DES PLANTES**

[72] KIGUCHI, SO, JP
[72] TANAKA, SOICHI, JP
[72] OZAWA, MAYUKO, JP
[72] IWATA, ATSUSHI, JP
[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
[22] 2011-03-02
[41] 2011-09-09
[62] 2,790,279
[30] JP (2010-046370) 2010-03-03

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[21] **2,963,707**
[13] A1

[51] **Int.Cl. C07H 21/04 (2006.01) C07H 21/00 (2006.01) C12N 15/31 (2006.01) C12Q 1/68 (2006.01) C40B 30/04 (2006.01) C40B 40/06 (2006.01)**

[25] EN

[54] **SEQUENCES FOR DETECTION AND IDENTIFICATION OF METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS (MRSA) OF MREJ TYPE XI**

[54] **SEQUENCES UTILISEES POUR LA DETECTION ET L'IDENTIFICATION DE STAPHYLOCOCCUS AUREUS RESISTANT A LA METHICILINE (SARM) DES TYPES MREJ XI A XX**

[72] GIROUX, RICHARD, CA
[72] HULETSKY, ANN, CA
[71] BECTON DICKINSON INFUSION THERAPY SYSTEMS INC., US

[22] 2006-10-10
[41] 2007-04-19
[62] 2,625,072
[30] US (11/248,438) 2005-10-11

[21] **2,964,106**
[13] A1

[51] **Int.Cl. B01D 61/42 (2006.01) C01D 15/00 (2006.01) C01D 15/06 (2006.01) C22B 3/06 (2006.01) C22B 3/20 (2006.01) C22B 26/12 (2006.01)**

[25] EN

[54] **PROCESSES FOR PREPARING LITHIUM HYDROXIDE**

[54] **PROCEDES DE PREPARATION D'HYDROXYDE DE LITHIUM**

[72] BOURASSA, GUY, CA
[72] PEARSE, GARY, CA
[72] MACKIE, STEPHEN CHARLES, CA
[72] GLADKOVAS, MYKOLAS, CA
[72] GENDERS, J. DAVID, US
[72] SYMONS, PETER, US
[72] MAGNAN, JEAN-FRANCOIS, CA
[71] NEMASKA LITHIUM INC., CA

[22] 2013-04-23
[41] 2013-10-31
[62] 2,871,092
[30] US (61/636,869) 2012-04-23
[30] US (61/755,151) 2013-01-22

[21] **2,964,148**
[13] A1

[51] **Int.Cl. C22B 3/08 (2006.01) B01D 61/42 (2006.01) C01D 15/00 (2006.01) C01D 15/06 (2006.01) C22B 1/02 (2006.01) C22B 26/12 (2006.01)**

[25] EN

[54] **METHODS FOR TREATING LITHIUM-CONTAINING MATERIALS**

[54] **PROCEDES POUR LE TRAITEMENT DE MATERIAUX CONTENANT DU LITHIUM**

[72] MAGNAN, JEAN-FRANCOIS, CA
[72] BOURASSA, GUY, CA
[72] LAROCHE, NICOLAS, CA
[72] PEARSE, GARY, CA
[72] MACKIE, STEPHEN CHARLES, CA
[72] GLADKOVAS, MYKOLAS, CA
[72] CLAYTON, GENEVIEVE, CA
[72] BOUCHARD, PIERRE, CA
[72] SYMONS, PETER, US
[72] GENDERS, J. DAVID, US
[71] NEMASKA LITHIUM INC., CA

[22] 2015-02-24
[41] 2015-08-27
[62] 2,940,027
[30] US (61/943,700) 2014-02-24

[21] **2,964,533**
[13] A1

[51] **Int.Cl. A61B 5/0215 (2006.01) A61B 5/00 (2006.01) A61B 5/02 (2006.01)**

[25] EN

[54] **EAVESDROPPING DEVICE**

[54] **DISPOSITIF D'AUSCULTATION**

[72] HUBINETTE, ULRIC, SE
[72] SAMUELSSON, MAGNUS, SE
[71] ST. JUDE MEDICAL COORDINATION CENTER BVBA, BE

[22] 2010-09-16
[41] 2011-03-24
[62] 2,772,966
[30] EP (09170637.4) 2009-09-18
[30] US (12/562,364) 2009-09-18

[21] **2,965,038**
[13] A1

[51] **Int.Cl. C25B 1/04 (2006.01) B01J 7/00 (2006.01) C01B 3/50 (2006.01) C25B 15/08 (2006.01)**

[25] EN

[54] **A GAS GENERATOR**

[54] **UN GENERATEUR A GAZ**

[72] LIN, HSIN-YUNG, CN
[71] LIN, HSIN-YUNG, CN

[22] 2015-10-15
[41] 2016-04-16
[62] 2,908,872
[30] TW (103135890) 2014-10-16
[30] TW (103135889) 2014-10-16
[30] TW (103135891) 2014-10-16
[30] TW (103135892) 2014-10-16
[30] TW (103218377) 2014-10-16

[21] **2,965,211**
[13] A1

[51] **Int.Cl. A61K 38/39 (2006.01) A61P 11/00 (2006.01)**

[25] EN

[54] **TYPE V COLLAGEN-RELATED MOLECULES FOR THE TREATMENT OF LUNG DISEASE INVOLVING AUTOIMMUNITY TO TYPE V COLLAGEN**

[54] **MOLECULES APPARENTEES AU COLLAGENE DE TYPE V POUR LE TRAITEMENT D'UNE MALADIE PULMONAIRE METTANT EN JEU L'AUTO-IMMUNITE AU COLLAGENE DE TYPE V**

[72] WILKES, DAVID S., US
[72] KLEMSZ, MICHAEL J., US
[71] INDIANA UNIVERSITY RESEARCH & TECHNOLOGY CORPORATION, US

[22] 2007-01-13
[41] 2007-10-25
[62] 2,641,318
[30] US (60/759,195) 2006-01-13

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demandes mises à la disponibilité du public non disponibles auparavant**

[21] **2,965,409**
[13] A1

[51] **Int.Cl. B01D 53/62 (2006.01) C05D 9/00 (2006.01)**
[25] EN
[54] **PROCESS AND METHOD FOR THE ENHANCEMENT OF SEQUESTERING ATMOSPHERIC CARBON THROUGH OCEAN IRON FERTILIZATION, AND METHOD FOR CALCULATING NET CARBON CAPTURE FROM SAID PROCESS AND METHOD**
[54] **PROCEDE ET METHODE D'AMELIORATION DE LA SEQUESTRATION DU CARBONE ATMOSPHERIQUE A L'AIDE DE LA FERTILISATION DU FER OCEANIQUE, ET METHODE DE CALCUL DE LA CAPTURE DE CARBONE NETTE AL'AIDE DESDITS PROCEDE ET METHODE**
[72] GROSS, PETER, CA
[71] BLUE CARBON SOLUTIONS INC, CA
[22] 2015-07-31
[41] 2015-12-01
[62] 2,899,051

[21] **2,966,011**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61K 31/7125 (2006.01) C07H 21/04 (2006.01) C12N 9/64 (2006.01) C12N 15/57 (2006.01)**
[25] EN
[54] **MODULATION OF FACTOR 11 EXPRESSION**
[54] **MODULATION DE L'EXPRESSION DU FACTEUR 11**
[72] FREIER, SUSAN M., CA
[72] MONIA, BRETT P., CA
[72] ZHANG, HONG, CA
[72] ZHAO, CHENGUANG, CA
[72] CROSBY, JEFFREY R., CA
[72] SIWKOWSKI, ANDREW M., CA
[71] IONIS PHARMACEUTICALS, INC., US
[22] 2009-10-15
[41] 2010-04-22
[62] 2,740,785
[30] US (61/105,772) 2008-10-15
[30] US (61/174,461) 2009-04-30

[21] **2,966,155**
[13] A1

[51] **Int.Cl. A61K 38/46 (2006.01) A61P 3/00 (2006.01)**
[25] EN
[54] **INTRAVENTRICULAR ENZYME DELIVERY FOR LYSOSOMAL STORAGE DISEASES**
[54] **ADMINISTRATION D'ENZYME INTRAVENTRICULAIRE POUR DES MALADIES DE STOCKAGE DES LYSOSOMES**
[72] DODGE, JAMES, US
[72] PASSINI, MARCO, US
[72] SHIHABUDDIN, LAMYA, US
[72] CHENG, SENG, US
[71] GENZYME CORPORATION, US
[22] 2007-01-22
[41] 2007-07-26
[62] 2,636,991
[30] US (60/760,378) 2006-01-20

[21] **2,966,273**
[13] A1

[51] **Int.Cl. A61K 31/167 (2006.01) A61P 3/00 (2006.01)**
[25] EN
[54] **GLUCAGON ANTAGONISTS**
[54] **ANTAGONISTES DE GLUCAGON**
[72] GOMEZ-GALENO, JORGE E., US
[72] HECKER, SCOTT J., US
[72] DANG, QUN, US
[72] REDDY, MALI VENKAT, US
[72] SUN, ZHILI, US
[72] GROTE, MATTHEW P., US
[72] NGUYEN, THANH HUU, US
[72] LEMUS, ROBERT HUERTA, US
[72] LI, HAIQING, US
[71] METABASIS THERAPEUTICS, INC., US
[22] 2009-08-13
[41] 2010-02-18
[62] 2,770,298
[30] US (61/088,697) 2008-08-13

[21] **2,966,647**
[13] A1

[51] **Int.Cl. C07H 19/14 (2006.01) A61K 31/7064 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **NOVEL 7-DEAZAPURINE NUCLEOSIDES FOR THERAPEUTIC USES**
[54] **NOUVEAUX NUCLEOSIDES 7-DEAZAPURINE A DES FINS THERAPEUTIQUES**
[72] HOCEK, MICHAL, CZ
[72] NAUS, PETR, CZ
[72] BOURDERIOUX, AURELIE, CZ
[71] INSTITUTE OF ORGANIC CHEMISTRY AND BIOCHEMISTRY ASCR, V.V.I., CZ
[22] 2010-04-19
[41] 2010-10-28
[62] 2,759,131
[30] US (61/171,656) 2009-04-22

[21] **2,966,703**
[13] A1

[51] **Int.Cl. A61K 31/42 (2006.01) A61K 9/68 (2006.01) A61P 33/00 (2006.01)**
[25] EN
[54] **PARASITICIDAL ORAL VETERINARY COMPOSITIONS COMPRISING SYSTEMICALLY-ACTING ACTIVE AGENTS, METHODS AND USES THEREOF**
[54] **COMPOSITIONS VETERINAIRES ORALES PARASITICIDES COMPRENANT DES AGENTS ACTIFS A ACTION SYSTEMIQUE, PROCEDES ET UTILISATION ASSOCIES**
[72] SOLL, MARK DAVID, US
[72] LARSEN, DIANE, US
[72] CADY, SUSAN MANCINI, US
[72] CHEIFETZ, PETER, US
[72] GALESKA, IZABELA, US
[72] GONG, SAIJUN, US
[71] Merial, INC., US
[22] 2013-01-31
[41] 2013-08-15
[62] 2,863,498
[30] US (61/595,463) 2012-02-06

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[21] **2,966,916**
[13] A1

[51] **Int.Cl. B01D 33/06 (2006.01)**
[25] EN
[54] **ROTARY VACUUM AND SCREEN SYSTEM AND METHODS FOR SEPARATING SOLIDS AND LIQUIDS**
[54] **SYSTEME ROTATIF A VIDE ET TAMIS ET PROCEDES DE SEPARATION DE SOLIDES ET LIQUIDES**
[72] WANLIN, HUGUES, CA
[72] HICKS, ANDREW, CA
[71] WANLIN, HUGUES, CA
[71] HICKS, ANDREW, CA
[22] 2014-10-20
[41] 2015-05-14
[62] 2,927,961
[30] US (61/901,671) 2013-11-08
[30] US (61/940,097) 2014-02-14

[21] **2,967,156**
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) A61F 9/00 (2006.01) A61K 31/7088 (2006.01) A61M 5/46 (2006.01) A61M 37/00 (2006.01) A61P 27/02 (2006.01) C12N 15/87 (2006.01) C12M 1/42 (2006.01)**
[25] EN
[54] **IMPROVED METHODS AND DEVICES FOR DELIVERING A THERAPEUTIC PRODUCT TO THE OCULAR SPHERE OF A SUBJECT**
[54] **AMELIORATIONS APORTEES A DES METHODES ET A DES DISPOSITIFS DESTINES A L'ADMINISTRATION DE PRODUITS THERAPEUTIQUES A LA SPHERE OCULAIRE D'UN PATIENT**
[72] BEHARD-COHEN, FRANCINE, FR
[72] BIGEY, PASCAL, FR
[72] BLOQUEL, CAROLE, FR
[72] SCHERMAN, DANIEL, FR
[72] BENEZRA, DAVID, IL
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[22] 2006-04-18
[41] 2006-11-23
[62] 2,604,452
[30] EP (05290855.5) 2005-04-18

[21] **2,967,294**
[13] A1

[51] **Int.Cl. A61K 51/10 (2006.01) A61K 49/16 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS INCLUDING A RECOMBINANT HUMAN MAB THAT PROMOTES CNS REMYELINATION**
[54] **COMPOSITIONS ET PROCEDES COMPRENANT UN ANTICORPS MONOCLONAL RECOMBINANT QUI PROMEUT LA REMYELINISATION DU SYSTEME NERVEUX CENTRAL**
[72] GRUSKIN, ELLIOT A., US
[72] CHOJNICKI, ERIC, US
[72] WARRINGTON, ARTHUR E., US
[72] BIEBER, ALLAN J., US
[72] RODRIGUEZ, MOSES, US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH, US
[71] ACORDA THERAPEUTICS, INC., US
[22] 2004-05-17
[41] 2004-12-23
[62] 2,525,917
[30] US (60/471,235) 2003-05-16

[21] **2,967,453**
[13] A1

[51] **Int.Cl. A61K 31/5365 (2006.01) A61K 31/513 (2006.01) A61K 31/52 (2006.01) A61P 31/18 (2006.01)**
[25] EN
[54] **COMBINATIONS FOR USE IN THE INHIBITION OF HIV-1**
[54] **COMBINAISONS A UTILISER POUR L'INHIBITION DE VIH-1**
[72] UNDERWOOD, MARK RICHARD, US
[71] VIIV HEALTHCARE COMPANY, US
[22] 2011-01-24
[41] 2011-08-04
[62] 2,787,691
[30] US (61/298,589) 2010-01-27

[21] **2,967,508**
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01) G01N 33/76 (2006.01)**
[25] EN
[54] **METHODS FOR DETERMINING THE RISK OF PRENATAL COMPLICATIONS**
[54] **PROCEDES DE DETERMINATION DU RISQUE DE COMPLICATIONS PRENATALES**
[72] CUCKLE, HOWARD, GB
[72] NICOLAIDES, KYPROS, GB
[72] AHOLA, TARJA, FI
[72] POON, LEONA, GB
[71] THE FETAL MEDICINE FOUNDATION, GB
[71] WALLAC OY, FI
[22] 2009-01-26
[41] 2009-07-30
[62] 2,713,229
[30] US (61/023,776) 2008-01-25
[30] US (61/025,890) 2008-02-04
[30] US (61/060,048) 2008-06-09
[30] US (61/060,732) 2008-06-11

[21] **2,967,567**
[13] A1

[51] **Int.Cl. A61K 31/737 (2006.01) A61P 9/00 (2006.01) A61P 17/00 (2006.01) A61P 19/10 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **SULPHATED HYALURONIC ACIDS AS REGULATOR AGENTS OF THE CYTOKINE ACTIVITY**
[54] **ACIDES HYALURONIQUES SULFATES COMME AGENTS DE REGULATION DE L'ACTIVITE CYTOKINIQUE**
[72] GALESSO, DEVIS, IT
[72] ZANELATO, ANNA MARIA, IT
[71] FIDIA FARMACEUTICI S.P.A., IT
[22] 2010-05-11
[41] 2010-11-18
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[13] A1

[51] **Int.Cl. A61K 31/198 (2006.01) A61P 3/00 (2006.01) A61P 9/00 (2006.01)**
[25] EN
[54] **RAPID-ACTING, BLOOD-ARGININE-LEVEL-INCREASABLE ORAL PREPARATION COMPRISING CITRULLINE AND ARGININE**
[54] **PREPARATION ORALE A ACTION RAPIDE POUVANT AUGMENTER LE TAUX D'ARGININE DANS LE SANG CONTENANT DE LA CITRULLINE ET DE L'ARGININE**
[72] OCHIAI, MASAYUKI, JP
[72] MORISHITA, KOJI, JP
[72] HAYASHI, TOSHIO, JP
[71] KYOWA HAKKO BIO CO., LTD., JP
[71] NATIONAL UNIVERSITY CORPORATION NAGOYA UNIVERSITY, JP
[22] 2008-10-10
[41] 2009-04-16
[62] 2,702,045
[30] JP (2007-264090) 2007-10-10

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[13] A1

[51] **Int.Cl. A61K 38/22 (2006.01) A61P 15/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS OF MODULATING APOPTOSIS BY ADMINISTRATION OF RELAXIN AGONISTS OR ANTAGONISTS**
[54] **METHODES DE MODULATION DE L'APOPTOSE PAR L'ADMINISTRATION D'AGONISTES OU D'ANTAGONISTES DE RELAXINE**
[72] AMENTO, EDWARD P., US
[72] SAMUEL, CHRISHAN S., AU
[71] MOLECULAR MEDICINE RESEARCH INSTITUTE, US
[22] 2001-10-04
[41] 2002-04-11
[62] 2,425,712
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[13] A1

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[25] EN
[54] **METHOD OF STORING AND MOVING A PROPPANT**
[54] **METHODE DE STOCKAGE ET DEPLACEMENT D'UN AGENT DE SOUTÈNEMENT**
[72] OREN, JOHN, US
[71] OREN TECHNOLOGIES, LLC, US
[22] 2013-03-18
[41] 2013-09-26
[62] 2,916,184
[30] US (13/427,140) 2012-03-22

[21] **2,968,031**
[13] A1

[51] **Int.Cl. H04W 76/04 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD OF FREQUENCY OFFSET COMPENSATION FOR RADIO SYSTEM WITH FAST DOPPLER SHIFT**
[54] **SYSTEME ET PROCEDE DE COMPENSATION DE DEPHASAGE DE FREQUENCE POUR UN SYSTEME RADIO AVEC DECALAGE DOPPLER RAPIDE**
[72] LI, JIA-RU, US
[72] DOONG, MENG-CHANG, US
[71] LILEE SYSTEMS, LTD, US
[22] 2011-10-28
[41] 2012-05-03
[62] 2,814,203
[30] US (61/408,084) 2010-10-29

[21] **2,968,054**
[13] A1

[51] **Int.Cl. A61K 38/38 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) C07K 1/16 (2006.01) C07K 14/76 (2006.01)**
[25] EN
[54] **A CXC CHEMOKINE RECEPTOR 4 (CXCR4) ANTAGONISTIC POLYPEPTIDE**
[54] **POLYPEPTIDE ANTAGONISTE DU SOUS-TYPE 4 DU RECEPTEUR DES CHIMIOKINES CXC (CXCR4)**
[72] FORSSMANN, WOLF-GEORG, DE
[72] KIRCHHOFF, FRANK, DE
[72] MUNCH, JAN, DE
[72] STANDKER, LUDGER, DE
[71] PHARIS BIOTEC GMBH, DE
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[62] 2,691,061
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[21] **2,968,113**
[13] A1

[51] **Int.Cl. A61K 31/426 (2006.01) A61P 31/16 (2006.01)**
[25] EN
[54] **COMPOUNDS AND METHODS FOR TREATING INFLUENZA**
[54] **COMPOSES ET PROCEDES POUR TRAITER LA GRIPPE**
[72] ROSSIGNOL, JEAN-FRANCOIS, US
[72] SEMPLE, J. EDWARD, US
[71] ROMARK LABORATORIES L.C., US
[22] 2010-06-23
[41] 2010-12-29
[62] 2,766,642
[30] US (61/220,891) 2009-06-26

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[21] **2,968,138**
[13] A1

[51] **Int.Cl. B64C 1/10 (2006.01)**
[25] EN
[54] **NATURAL-PATH TEARSTRAPS AND STIFFENERS FOR SPHERICAL OR NEAR-SPHERICAL COMPOSITE PRESSURE BULKHEADS**
[54] **ATTACHES A DECHIRER DE FORME NATURELLE ET RAIDISSEURS POUR CLOISONS DE COMPRESSION FAITE D'UN MATERIAU COMPOSE SPHERIQUES OU QUASI SPHERIQUES**
[72] ROSMAN, RICHARD R., US
[72] CAMPANA, JOSEPH H., US
[71] THE BOEING COMPANY, US
[22] 2014-05-12
[41] 2015-01-30
[62] 2,851,420
[30] US (13/954145) 2013-07-30

[21] **2,968,157**
[13] A1

[51] **Int.Cl. B64D 13/00 (2006.01) B64D 11/00 (2006.01) F24F 13/078 (2006.01) F24F 13/10 (2006.01)**
[25] EN
[54] **DIRECTION CONTROLLED SERVICE APPARATUS**
[54] **APPAREIL DE SERVICE A COMMANDE DIRECTIONNELLE**
[72] BROWN, DOUGLAS A., US
[72] CHEUNG, KWUN-WING W., US
[71] THE BOEING COMPANY, US
[22] 2014-02-24
[41] 2014-10-15
[62] 2,843,869
[30] US (13/863360) 2013-04-15

[21] **2,968,176**
[13] A1

[51] **Int.Cl. C07F 7/18 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **CGRP RECEPTOR ANTAGONISTS**
[54] **ANTAGONISTES DE RECEPTEUR CGRP**
[72] LUO, GUANGLIN, US
[72] DUBOWCHIK, GENE M., US
[72] MACOR, JOHN E., US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[22] 2010-10-13
[41] 2011-04-21
[62] 2,777,518
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[21] **2,968,561**
[13] A1

[51] **Int.Cl. G01C 7/00 (2006.01)**
[25] EN
[54] **ADAPTIVE MAPPING WITH SPATIAL SUMMARIES OF SENSOR DATA**
[54] **CARTOGRAPHIE ADAPTATIVE AVEC RESUMES SPATIAUX DE DONNEES DE CAPTEUR**
[72] FONG, PHILIP, US
[72] EADE, ETHAN, US
[72] MUNICH, MARIO E., US
[71] IROBOT CORPORATION, US
[22] 2013-09-23
[41] 2014-04-10
[62] 2,952,355
[30] US (13/632,997) 2012-10-01

[21] **2,968,577**
[13] A1

[51] **Int.Cl. H04W 92/02 (2009.01) H04W 4/10 (2009.01) H04W 76/02 (2009.01) H04W 80/00 (2009.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MAINTAINING PRIORITY AND QUALITY OF SERVICE ACROSS MULTI-USER DEVICES**
[54] **PROCEDE ET APPAREIL POUR MAINTENIR LA PRIORITE ET LA QUALITE DE SERVICE A TRAVERS DES DISPOSITIFS MULTIUTILISATEUR**
[72] MAO, WEI, US
[72] MILLER, TRENT J., US
[72] SCHULER, FRANCESCA, US
[71] MOTOROLA SOLUTIONS, INC., US
[22] 2014-06-19
[41] 2014-12-31
[62] 2,917,033
[30] US (13/930665) 2013-06-28

[21] **2,968,598**
[13] A1

[51] **Int.Cl. H04N 19/44 (2014.01) H04N 19/176 (2014.01) H04N 19/543 (2014.01)**
[25] EN
[54] **METHOD FOR DERIVING A MERGE CANDIDATE BLOCK AND DEVICE USING SAME**
[54] **PROCEDE DE DERIVATION D'UN BLOC CANDIDAT INTERCALAIRE ET DISPOSITIF EMPLOYANT LEDIT PROCEDE**
[72] LEE, BAE KEUN, KR
[72] KWON, JAE CHEOL, KR
[72] KIM, JOO YOUNG, KR
[71] KT CORPORATION, KR
[22] 2012-09-06
[41] 2013-03-28
[62] 2,824,755
[30] KR (10-2011-0096138) 2011-09-23
[30] KR (10-2012-0039500) 2012-04-17

[21] **2,968,646**
[13] A1

[51] **Int.Cl. G10L 19/008 (2013.01)**
[25] EN
[54] **METHOD AND SIGNAL PROCESSING UNIT FOR MAPPING A PLURALITY OF INPUT CHANNELS OF AN INPUT CHANNEL CONFIGURATION TO OUTPUT CHANNELS OF AN OUTPUT CHANNEL CONFIGURATION**
[54] **PROCEDE ET UNITE DE TRAITEMENT DE SIGNAUX PERMETTANT DE REALISER UNE MISE EN CORRESPONDANCE ENTRE UNE PLURALITE DE CANAUX D'ENTREE D'UNE CONFIGURATION DE CANAUX D'ENTREE ET DES CANAUX DE SORTIE D'UNE CONFIGURATION DE CANAUX DE SORTIE**
[72] HERRE, JURGEN, DE
[72] KUCH, FABIAN, DE
[72] KRATSCHMER, MICHAEL, DE
[72] KUNTZ, ACHIM, DE
[72] FALLER, CHRISTOPH, CH
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[22] 2014-07-15
[41] 2015-01-29
[62] 2,918,811
[30] EP (13177360.8) 2013-07-22
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[21] **2,968,687**
[13] A1

[51] **Int.Cl. A61B 3/10 (2006.01) A61B 3/103 (2006.01) A61B 3/107 (2006.01)**
[25] EN
[54] **ASSESSMENT OF TOPOGRAPHIC SEMI-MERIDIAN PARAMETERS FOR CORNEAL ASTIGMATISM ANALYSIS AND VECTOR PLANNING TREATMENT**
[54] **EVALUATION DE PARAMETRES SEMI-MERIDIENS TOPOGRAPHIQUES POUR L'ANALYSE D'ASTIGMATISME DE LA CORNEE ET TRAITEMENT DE PLANIFICATION DE VECTEUR**

[72] ALPINS, NOEL AMI, AU
[71] ALPINS, NOEL AMI, AU
[22] 2012-05-18
[41] 2013-08-29
[62] 2,865,322
[30] US (61/602,792) 2012-02-24

[21] **2,968,699**
[13] A1

[51] **Int.Cl. G10L 19/012 (2013.01)**
[25] EN
[54] **NOISE GENERATION IN AUDIO CODECS**
[54] **GENERATION DE BRUIT DANS DES CODECS AUDIO**

[72] SETIAWAN, PANJI, DE
[72] WILDE, STEPHAN, DE
[72] LOMBARD, ANTHONY, DE
[72] DIETZ, MARTIN, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE

[22] 2012-02-14
[41] 2012-08-23
[62] 2,827,305
[30] US (61/442,632) 2011-02-14

[21] **2,968,744**
[13] A1

[51] **Int.Cl. F16B 5/06 (2006.01) F16B 2/06 (2006.01) H02B 13/025 (2006.01)**
[25] EN
[54] **ENCLOSURE CLAMPS AND CLAMP SYSTEMS**
[54] **PINCES POUR CAISSONS ET SYSTEMES DE PINCES**

[72] MANAHAN, JOSEPH MICHAEL, US
[71] COOPER TECHNOLOGIES COMPANY, US

[22] 2010-01-05
[41] 2011-07-14
[62] 2,786,356

[21] **2,968,765**
[13] A1

[51] **Int.Cl. H04N 19/593 (2014.01)**
[25] EN
[54] **INTRA-PREDICTION METHOD, AND ENCODER AND DECODER USING SAME**
[54] **PROCEDE DE PREDICTION INTRA, ET CODEUR ET DECODEUR L'UTILISANT**

[72] PARK, JOONYOUNG, KR
[72] PARK, SEUNGWOOK, KR
[72] LIM, JAEHYUN, KR
[72] KIM, JUNGSUN, KR
[72] CHOI, YOUNGHEE, KR
[72] JEON, BYEONGMOON, KR
[72] JEON, YONGJOON, KR
[71] LG ELECTRONICS INC., KR

[22] 2012-04-20
[41] 2012-11-01
[62] 2,834,249
[30] US (61/478,912) 2011-04-25

[21] **2,968,779**
[13] A1

[51] **Int.Cl. A61B 5/1468 (2006.01) A61B 5/145 (2006.01) H05K 5/02 (2006.01)**
[25] EN
[54] **ANALYTE SENSOR SUBASSEMBLY AND METHODS AND APPARATUSES FOR INSERTING AN ANALYTE SENSOR ASSOCIATED WITH SAME**
[54] **SOUS-ENSEMBLE DE DETECTION D'ANALYTES ET PROCEDES ET APPAREILS POUR INSERER UN DETECTEUR D'ANALYTES LUI ETANT ASSOCIES**

[72] SLOMSKI, DENNIS, US
[72] BRUCE, ROBERT, US
[72] FORTUNA, JON, US
[72] KREITLOW, DAVID B., US
[71] WAVEFORM TECHNOLOGIES, INC., US

[22] 2009-03-17
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[21] **2,968,787**
[13] A1

[51] **Int.Cl. E02F 9/28 (2006.01)**
[25] EN
[54] **WEAR ASSEMBLY**
[54] **ENSEMBLE D'ASURE**

[72] CARPENTER, CHRISTOPHER M., US
[72] CONKLIN, DONALD M., US
[72] MORRIS, RAY J., US
[72] BEARDEN, JAMES E., US
[72] DURAND, SEVERN D., US
[71] ESCO CORPORATION, US

[22] 2007-03-28
[41] 2007-11-01
[62] 2,868,579
[30] US (60/787,268) 2006-03-30

[21] **2,968,870**
[13] A1

[51] **Int.Cl. F16C 27/02 (2006.01) F16C 27/08 (2006.01)**
[25] EN
[54] **THRUST BEARING**
[54] **PALIER DE BUTEE**

[72] ORMORI, NAOMICHI, JP
[71] IHI CORPORATION, JP

[22] 2014-01-24
[41] 2014-07-31
[62] 2,899,407
[30] JP (2013-013170) 2013-01-28

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[21] **2,969,022**

[13] A1

[51] **Int.Cl. E01H 5/09 (2006.01)**

[25] EN

[54] **SNOWBLOWER AUGER
CENTRAL SHOVEL**

[54] **TARIERE DE SOUFFLEUSE A
NEIGE**

[72] HOULE, PASCAL, CA

[72] HOULE, GASTON, CA

[71] IMMEUBLES MFP 1006 INC., CA

[22] 2015-03-05

[41] 2015-09-06

[62] 2,883,940

[30] US (14/639,586) 2015-03-05

[30] US (61/988,959) 2014-05-06

[30] US (61/948,911) 2014-03-06

[21] **2,969,147**

[13] A1

[51] **Int.Cl. G07F 17/32 (2006.01) A63F
13/80 (2014.01) A63F 1/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR
GAMING BASED UPON
INTERMEDIATE POINTS IN A
RACE EVENT**

[54] **SYSTEME ET TECHNIQUE DE
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INTERMEDIAIRES DANS UNE
COURSE**

[72] AMAITIS, LEE M., US

[72] ASHER, JOSEPH M., US

[71] CFPH, LLC, US

[22] 2005-12-22

[41] 2006-06-29

[62] 2,592,033

[30] US (11/021,848) 2004-12-22

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ESCOBAR, STEVEN SIMAS	2,686,901	FISCHER, BEATRICE	2,756,613	GARY, STEPHANIE	2,761,269
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ETHICON ENDO-SURGERY, INC.	2,751,370	FISHER, RAYMOND	2,736,971	GE AVIO S.R.L.	2,712,677
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ETHICON, INC.	2,701,435	FLEMING, GRAHAM	2,825,189	GENENTECH, INC.	2,668,347
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WUDU, MULUGETA ZERFU	2,718,518	ZODIAC POOL CARE EUROPE	2,784,818
XEROX CORPORATION	2,888,036	ZOSIMADIS, PETER	2,810,701
XIE, XUEJU	2,754,064	ZSIGA, PHILIP	2,720,709
XTRALIS TECHNOLOGIES		ZTE CORPORATION	2,773,027
LTD	2,883,638	ZTE PORTUGAL-PROJECTOS	
XU, ZHEN	2,770,706	DE	
YACCOBY, SHMUEL	2,734,446	TELECOMUNICACOES	
YADAV, SUDHANSU S.	2,849,888	UNIPessoal LDA	2,773,027
YAGI, HIROYUKI	2,862,910	ZUELCH, ARMIN	2,752,114
YAGI, HIROYUKI	2,924,424	ZUKOR, KENNETH STEPHEN	2,886,653
YALE UNIVERSITY	2,723,816	ZUO, XIANGLING	2,888,159
YAMAHA HATSUDOKI		ZURN INDUSTRIES, LLC	2,715,505
KABUSHIKI KAISHA	2,902,968		
YAMAMOTO, YUKO	2,874,819		
YAMASAKI, HISANORI	2,850,452		
YAMASHITA, KOUICHI	2,833,138		
YANAGIDA, YASUHIRO	2,833,138		
YANG, ANTHONY ANTAO	2,927,501		
YATES, DAVID C.	2,751,370		
YAU, WALLACE W.	2,768,705		
YAZDANIAN, MEHRAN	2,772,328		
YEA, SEHOON	2,878,160		
YI, YOUNGSUK	2,613,551		
YIN, HANG	2,774,008		
YING, WEIWEN	2,659,425		
YOKOZUTSUMI, RYO	2,850,452		
YONEDA, TETSUO	2,834,431		
YOO, HERB	2,770,114		
YOON, YOUNG C.	2,854,958		
YORK, LEMUEL T.	2,856,307		
YOSHIDA, TAKUYA	2,922,837		
YOSHIKAWA, KENJI	2,874,819		
YOUNG, TERRY	2,837,830		
YOUNIE, MARK LAWRENCE	2,887,207		
YOUNKER, KEVIN RALPH	2,946,840		
YOUSEF, FAISAL J.	2,856,307		
YOUSEFIANI, ALI	2,657,146		
YU, SHUI	2,927,896		
YU, ZHI-JIAN	2,764,329		
YUAN, HANSEN	2,753,439		

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1304338 ALBERTA LTD.	2,914,070	BARHORST, STEVEN		BUNDY, JOSEPH C.	2,943,252
1304342 ALBERTA LTD.	2,914,070	EDWARD	2,943,252	BUNKER, RONALD SCOTT	2,949,271
351471 ALBERTA LTD.	2,914,598	BARNES, MATT	2,950,052	BUNKER, RONALD SCOTT	2,949,297
764944 ALBERTA INC.		BARUA, ANANDA	2,949,275	BURGER, MANUEL	2,944,188
OPERATING AS AM JADE		BASU, SHUBHAYU	2,949,946	BUZYN, JOHN	2,950,034
CO.	2,950,930	BASU, SHUBHAYU	2,949,972	CAE INC.	2,963,112
ABL IP HOLDING LLC	2,950,838	BASU, SHUBHAYU	2,949,974	CAE INC.	2,963,116
ABL IP HOLDING LLC	2,951,297	BASU, SHUBHAYU	2,949,978	CAE INC.	2,963,120
ABL IP HOLDING LLC	2,951,300	BAZIUK HOLDINGS LTD.	2,914,324	CAE INC.	2,963,252
ABL IP HOLDING LLC	2,951,301	BEDEK, JOHN J.	2,950,930	CAE INC.	2,963,254
ACCENTURE GLOBAL		BEFUSS, JULIA	2,948,305	CAE INC.	2,963,256
SOLUTIONS LIMITED	2,950,987	BEHR PROCESS		CAE INC.	2,963,257
ADDIYA, ADIL	2,914,071	CORPORATION	2,950,034	CAE INC.	2,963,259
AEROVIRUS TECHNOLOGIES		BELLEHUMEUR, CELINE	2,914,166	CALTAGIRONE, G. THOMAS	2,914,337
INC.	2,914,337	BERGEK, MARTIN	2,948,674	CARGOTEC RESEARCH &	
AGARWAL, ASHISH KUMAR	2,944,104	BERSCHBACK, CASEY		DEVELOPMENT	
AGM AUTOMOTIVE, LLC	2,949,845	LAUREN	2,950,550	IRELAND LIMITED	2,963,007
AIR PRODUCTS AND		BETZ, ANDREAS	2,947,170	CARON, FRANCOIS	2,963,116
CHEMICALS, INC.	2,950,850	BHP BILLITON NICKEL WEST		CARON, FRANCOIS	2,963,120
ALAM, SOHAIB SYED	2,962,997	PTY LTD	2,949,580	CARRASCO, EDUARDO	2,945,971
ALBERT HANDTMANN		BIOSENSE WEBSTER		CASANOVA MONTPEYO,	
MASCHINENFABRIK		(ISRAEL) LTD.	2,949,946	ORIOLE	2,947,567
GMBH & CO. KG	2,947,170	BIOSENSE WEBSTER		CEBULA, SCOTT	2,962,997
ALBRECHT, BRUCE PATRICK	2,943,251	(ISRAEL) LTD.	2,949,972	CERNY, MATTHEW ROBERT	2,950,782
ALBUYEH, FARROKH	2,951,306	BIOSENSE WEBSTER		CGG SERVICES SAS	2,950,552
ALEXIS, DENNIS ARUN	2,950,810	(ISRAEL) LTD.	2,949,974	CHAMBARD, LAURENT	2,951,307
ALTMAN, BENJAMIN	2,948,377	BIOSENSE WEBSTER		CHANDARIA, KAPOOR	2,950,658
AMATA, MARIO ANTHONY	2,943,252	(ISRAEL) LTD.	2,949,978	CHAPMAN, CHRISTOPHER L.	2,944,104
ANDERSON, KAARE JOSEF	2,944,107	BIOSENSE WEBSTER		CHAU, BONNIE	2,914,071
ANDERSON, KAARE JOSEF	2,944,107	(ISRAEL) LTD.	2,949,991	CHEN, FENG	2,950,838
ANSTEAD, DUANE HOWARD	2,950,248	BIOSENSE WEBSTER		CHEN, FENG	2,951,301
ANSTEAD, DUANE HOWARD	2,950,792	(ISRAEL) LTD.	2,949,992	CHEVRON U.S.A. INC.	2,950,810
ANTILUS, JASON-KENOLD	2,957,341	BIOSENSE WEBSTER		CHIEN, YUAN-CHENG	2,943,969
ARCTICDX, INC.	2,914,722	(ISRAEL) LTD.	2,950,000	CHONGQING RATO	
ARNOLD, LARRY DEAN	2,947,188	BIOSENSE WEBSTER		TECHNOLOGY CO., LTD.	2,928,326
ASHTON, JOHN HARDY	2,949,972	(ISRAEL) LTD.	2,950,009	CHOWDHURY, TOWFIQ	2,950,838
ASHTON, JOHN HARDY	2,949,974	BIOSENSE WEBSTER		CHOWDHURY, TOWFIQ	2,951,301
ASHTON, JOHN HARDY	2,949,978	(ISRAEL) LTD.	2,950,608	CHUNG, UN HO	2,950,034
ASSOULINE, DANIEL	2,951,140	BLACKBERRY LIMITED	2,948,377	CIE EUROPE	2,948,857
ASSOULINE, DANIEL	2,951,256	BONDI, ROBERT D.	2,950,930	CLARK, JEFFREY L.	2,949,972
ATCHLEY, MICHAEL DEAN	2,950,624	BONDIOLI, EDI	2,951,076	CLARK, JEFFREY L.	2,949,974
ATCHLEY, MICHAEL DEAN	2,950,626	BOTZER, LIOR	2,949,991	CLARK, JEFFREY L.	2,949,978
ATELIER D'USINAGE JULES		BOWNESS, DAVID	2,963,252	CLAY VALLEY HOLDINGS	
ROBERGE INC.	2,957,773	BOWNESS, DAVID	2,963,257	INC.	2,922,042
AUFFRAY, CHRISTOPHE	2,950,841	BOYER, REJEAN	2,934,821	CLOUT, RICHARD	2,949,580
AUJLA, SUKHJIT	2,950,810	BRIGGS, STUART	2,951,307	COADY, YVONNE	2,951,533
AUJLA, VISHAV MANAK		BRINGE, NEAL ALLAN	2,941,481	COFFEY, GREGORY	2,950,640
SINGH	2,950,000	BROSNAN, KRISTEN HALL	2,950,548	COGENT TECHNOLOGY	
AUJLA, VISHAV MANAK		BRUSIUS, NATHAN	2,944,106	CORPORATION	2,950,252
SINGH	2,950,009	BRUSSET, ERIC PAUL	2,914,315	COLE, LAWRENCE G.	2,947,258
BACHTLE, MANFRED	2,947,170	BRYAN, LEE	2,950,603	COLLINS, KERRY	2,951,300
BAIOCCHI, RENZO	2,951,059	BUCHER HYDRAULICS SPA	2,963,007	COMCAST CABLE	
BAMA S.P.A.	2,951,059	BUGAS, PETER A.	2,917,677	COMMUNICATIONS, LLC	2,951,065
BAMBERG, SARAH	2,948,305	BUHLER, JARED PETER	2,949,271	COOK, CHARLES J.	2,962,997
BARHORST, STEVEN		BUHLER, JARED PETER	2,949,297		
EDWARD	2,943,251				

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CORREIA, VICTOR HUGO SILVA	2,949,297	FILKORN, GUNTHER SASCHA	2,963,112	GIBBONS, IAN ROBERT	2,914,315
CORSETTI, BRIAN KENNETH	2,949,271	FLAMAND, JEAN-SEBASTIEN	2,963,116	GIELNIEWSKI, MICHAEL Z.	2,951,301
CORSETTI, BRIAN KENNETH	2,949,297	FLEECE, DENNIS WILLIAM	2,950,115	GIGLIOTTI, MICHAEL	
CROGAN, JAMES	2,950,034	FLUID ENERGY GROUP LTD.	2,914,073	FRANCIS XAVIER, JR.	2,949,270
CROUCH, ROBIN TIMOTHY	2,914,588	FONG, KIN	2,949,845	GILBERT, FREDRICK R.	2,950,717
CSC WORKWEAR INC.	2,914,225	FOURNIER, FRANCES	2,950,810	GIROUX, ANN-KATHERINE	2,963,112
CSIBI, LAJOS	2,950,256	FOYE, DARWIN	2,950,034	GM GLOBAL TECHNOLOGY OPERATIONS LLC	2,947,258
DANAI, BEHNAM	2,951,306	FUCHS, JUERGEN	2,914,588	GOELLER, ROBERT EDWARD	2,950,555
DAON HOLDINGS LIMITED	2,949,642	GAGNON, GILLES	2,914,162	GOODRICH CORPORATION	2,944,104
DARANYI, TAMAS	2,950,256	GAGNON, STEPHANIE	2,934,821	GORDON, GLENN L.	2,951,082
DARTPOINT TECH. CO., LTD.	2,950,650	GALIBOIS, MICHEL	2,963,112	GOVARI, ASSAF	2,949,992
DARTPOINT TECH. CO., LTD.	2,950,657	GARBHAM, SREEDHAR	2,947,556	GRIFOLS ENGINEERING, S.A.	2,947,567
DARTPOINT TECH. CO., LTD.	2,950,661	GAUTHIER, DARREN	2,914,225	GUANG, YANG	2,950,649
DARTPOINT TECH. CO., LTD.	2,950,663	GAUTHIER, DWAYNE	2,914,225	GUERRIERI, STEFANO	2,963,007
DASSAULT AVIATION	2,949,423	GENERAL ELECTRIC COMPANY	2,949,270	HABEROTH, EDWARD A.	2,914,324
DAVIS, STEPHEN JAMES	2,948,004	GENERAL ELECTRIC COMPANY	2,949,271	HALIM, AMAR B.	2,962,997
DE BOCK, HENDRIK PIETER JACOBUS	2,949,688	GENERAL ELECTRIC COMPANY	2,949,275	HAMBERGER, PETER	2,949,019
DELISLE, JEAN-FRANCOIS	2,963,254	GENERAL ELECTRIC COMPANY	2,949,293	HAMBERGER, PETER	2,950,970
DELISLE, JEAN-FRANCOIS	2,963,256	GENERAL ELECTRIC COMPANY	2,949,297	HASSANZADEH, AMIN	2,950,987
DELTA FAUCET COMPANY	2,948,442	GENERAL ELECTRIC COMPANY	2,949,309	HASZ, WAYNE CHARLES	2,950,548
DEROCHER, JONATHAN P.	2,947,260	GENERAL ELECTRIC COMPANY	2,949,688	HAUSNER, HELMUT	2,950,496
DIAL, LAURA CERULLY	2,949,270	GENERAL ELECTRIC COMPANY	2,949,694	HAYSLETT, STEVEN L.	2,947,258
DIVAKARAN, SAJEEV ACHUTHAN	2,947,556	GENERAL ELECTRIC COMPANY	2,949,699	HEFLIN-KING, TRE' DORELL	2,943,252
DIWINSKY, DAVID SCOTT	2,950,459	GENERAL ELECTRIC COMPANY	2,949,700	HENDERSON, KEVIN J.	2,947,260
DIWINSKY, DAVID SCOTT	2,950,777	GENERAL ELECTRIC COMPANY	2,949,703	HENEAULT, YANNICK	2,963,112
DOELL, MICHAEL	2,914,298	GENERAL ELECTRIC COMPANY	2,950,248	HERAEUS MEDICAL GMBH	2,950,121
DOUGLAS, DAVID W.	2,950,252	GENERAL ELECTRIC COMPANY	2,950,256	HERAEUS MEDICAL GMBH	2,950,122
DOW GLOBAL TECHNOLOGIES LLC	2,947,260	GENERAL ELECTRIC COMPANY	2,950,459	HERAEUS MEDICAL GMBH	2,950,124
DOWNTON, JONATHAN	2,950,552	GENERAL ELECTRIC COMPANY	2,950,461	HETTEL, ROWAN OLUND	2,950,608
DRINAL, STEPHANE	2,949,423	GENERAL ELECTRIC COMPANY	2,950,548	HIGH, DONALD	2,950,624
DU, JING-HUA	2,928,326	GENERAL ELECTRIC COMPANY	2,950,549	HIGH, DONALD	2,950,626
DUGGAN, JOHN ANTHONY	2,949,642	GENERAL ELECTRIC COMPANY	2,950,550	HOBART BROTHERS COMPANY	2,943,252
DURKEE, ROBERT R., III	2,950,252	GENERAL ELECTRIC COMPANY	2,950,548	HOHMANN, RONALD P., JR.	2,947,580
DWARAKANATH, VARADARAJAN	2,950,810	GENERAL ELECTRIC COMPANY	2,950,551	HOHMANN, RONALD P., JR.	2,948,795
EATON CORPORATION	2,948,004	GENERAL ELECTRIC COMPANY	2,950,555	HOIAS, MARK	2,914,166
EDWARDS, PAUL	2,942,226	GENERAL ELECTRIC COMPANY	2,950,555	HOITINK, RYAN	2,949,972
EKLUND, PETER	2,948,673	GENERAL ELECTRIC COMPANY	2,950,777	HOITINK, RYAN	2,949,974
EKLUND, PETER	2,948,674	GENERAL ELECTRIC COMPANY	2,950,782	HOITINK, RYAN	2,949,978
EL KABBAJ, AIDA	2,914,071	GENERAL ELECTRIC COMPANY	2,950,787	HOLLAND, JOHN ROBERT	2,950,796
EPHESOFT INC.	2,950,500	GENERAL ELECTRIC COMPANY	2,950,792	HOLT, GAVIN JOSEPH	2,950,796
EPICUREO, GIULIO	2,948,857	GENERAL ELECTRIC COMPANY	2,950,792	HONEYWELL INTERNATIONAL INC.	2,947,556
ESPINOSA, DAVID	2,950,810	GENERAL ELECTRIC COMPANY	2,950,792	HONGERHOLT, DERRICK D.	2,944,107
EVONIK DEGUSSA GMBH	2,950,496	GENERAL ELECTRIC COMPANY	2,950,792	HOTCHKISS, JAY ROBERT	2,952,472
FAMILIE BURGER GBR VERTRETUNGSBERECHT IGTE GESELLSCHAFTER: MERCEDES BURGER, GEORG BURGER, BERNHARD BURGER, MANUEL BURGER, CHRISTINA BURGER, DIANA BURGER	2,944,188	GENERAL ELECTRIC COMPANY	2,950,792	HOUKOM, AUSTIN L.	2,928,849
FANG, NING	2,950,248	GENERAL ELECTRIC COMPANY	2,950,792	HOVOR, ELVIS	2,950,987
FANG, NING	2,950,792	GENERAL ELECTRIC COMPANY	2,950,792	HU, FENG-KANG	2,950,838
FARRELL, ALICE	2,950,542	GENERAL ELECTRIC COMPANY	2,950,792	HUANG, CHAO-YUAN	2,950,650
FENG, JIAJIA	2,950,640	GENERAL ELECTRIC COMPANY	2,950,792	HUANG, CHAO-YUAN	2,950,657
FHE USA LLC	2,950,732	GENERAL ELECTRIC COMPANY	2,950,792	HUANG, CHAO-YUAN	2,950,661
		GENERAL ELECTRIC COMPANY	2,950,792	HUANG, CHAO-YUAN	2,950,663
		GENERAL ELECTRIC COMPANY	2,950,792	HUBLEY, CHRISTOPHER KARL	2,949,700
		GENERAL ELECTRIC COMPANY	2,950,792	HURT, KEVIN	2,936,600
		GENERAL ELECTRIC COMPANY	2,950,792	ICOMERA AB	2,948,673
		GENERAL ELECTRIC COMPANY	2,950,792	ICOMERA AB	2,948,674
		GENERAL ELECTRIC COMPANY	2,950,792	IDUPUNUR, KRISHNA	2,947,556
		GENERAL ELECTRIC COMPANY	2,950,792	IENNA, CORINNA	2,914,298
		GENERAL ELECTRIC COMPANY	2,950,792	IGLEWSKI, TOMASZ	2,950,796
		GENERAL ELECTRIC COMPANY	2,950,792	ILLINOIS TOOL WORKS INC.	2,943,251

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INGENICO GROUP	2,950,841	LI, XIANMING JIMMY	2,950,850	NEGEM, WALID	2,950,987
INGENYEWITY INC.	2,914,298	LIAO, ALBERT	2,914,337	NETZEL, ROBERT J., SR.	2,950,655
INSALACO, MICHAEL GEORGE	2,947,173	LIBERTY, MATHIEU	2,914,071	NIERGARTH, DANIEL ALAN	2,950,551
INSUA, TANIA LADO	2,951,533	LIM, SER NAM	2,950,459	NIRO, RONNY	2,913,874
INTERSTATE CORRPACK LLC	2,917,677	LIM, SER NAM	2,950,777	NOOREN, PIET	2,950,684
IPAKCHI, ALI	2,951,306	LIN, WENDY WENLING	2,950,550	NOORDHEIMER, DAVID	2,916,982
IRELAND, ALEXANDER	2,963,252	LIU, LARA	2,950,550	NOVA CHEMICALS CORP.	2,914,315
IRELAND, ALEXANDER	2,963,257	LOPEZ, ALEJANDRO	2,951,301	NOVA CHEMICALS CORP.	2,914,353
JACK WALTERS & SONS, CORP.	2,950,717	LOURENCO, JOSE	2,914,070	NOVA CHEMICALS CORP.	2,914,354
JACKSON, LOGAN	2,950,810	LU, AI-CHIEH	2,950,657	NOVA CHEMICALS CORPORATION	2,914,166
JACOBS, DOUGLAS SCOTT	2,950,555	LU, WENFENG	2,949,275	OBERBAUER, GUNTHER	2,950,496
JAGER, JIRI	2,947,258	LUHUA (XIAMEN) TRADING CO., LTD.	2,951,865	OCEAN NETWORKS CANADA SOCIETY	2,951,533
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JIN, JU YOUNG	2,951,865	LYONS, GREG	2,950,655	OSSWALD, FLORIAN	2,947,170
JOHANSEN, KEITH C.	2,950,732	MACKENZIE, DAVID P.	2,914,156	PAJONAS, TODD R.	2,950,544
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JUNG, WOOSANG	2,950,034	MAGNUSON, CHRISTOPHER	2,951,184	PALMEIRA DE OLIVEIRA, RITA MANUELA	2,914,264
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KANG, CHI-LIN	2,950,650	MAMMOET USA SOUTH, INC.	2,950,684	PARK, SANG YENG	2,949,700
KANG, CHI-LIN	2,950,657	MANICKE, PAUL STEPHEN	2,950,787	PAUL, JACQUES	2,949,309
KANG, CHI-LIN	2,950,661	MARCHAND, NORMAN J.	2,914,337	PCTXS INC.	2,914,588
KANG, CHI-LIN	2,950,663	MARTIN-BALE, ALEXANDER	2,951,140	PEDERSON, DANIEL	2,950,717
KARLSSON, MATS	2,948,673	MARTIN-BALE, ALEXANDER	2,951,256	PELICAN INTERNATIONAL INC.	2,934,821
KARLSSON, MATS	2,948,674	MARTINEZ SOUTO DE OLIVEIRA, JOSE ANTONIO	2,914,264	PENTAIR WATER POOL AND SPA, INC.	2,950,655
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KERR CORPORATION	2,950,141	MCCELLEND, WILLIAM	2,949,845	PERRY, SCOTT	2,949,580
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KIM, JOO HAN	2,949,688	MEERKAT DESK LIMITED	2,950,542	PIGEON, MICHEL	2,963,259
KIPP, NEILL	2,951,065	MEILLEUR, DANIEL	2,927,683	PIKE, TRAVIS	2,947,556
KIRBY, GLEN HAROLD	2,950,787	MELOCHE-CHARLEBOIS, FRANCIS	2,963,112	PIONEER HI-BRED INTERNATIONAL, INC.	2,952,472
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KLUGE, THOMAS	2,950,122	MICRO APPS GROUP INVENTIONS, LLC	2,950,603	PORTOLA PHARMACEUTICALS, INC.	2,950,640
KLUGE, THOMAS	2,950,124	MILLAR, MACKENZIE	2,914,070	PRATT & WHITNEY CANADA CORP.	2,927,683
KNOBLOCH, AARON JAY	2,950,555	MILLER, BRANDON WAYNE	2,950,248	PRENZEL, ALEXANDER	2,948,305
KOGAN, VLADIMIR F.	2,950,603	MILLER, BRANDON WAYNE	2,950,551	PRITZL, ANDREW	2,950,717
KORECKEK, PAVEL	2,947,258	MILLER, BRANDON WAYNE	2,950,782	PUETZ, BENJAMIN	2,948,305
KOROLUK, DEVON C.	2,962,997	MILLER, BRANDON WAYNE	2,950,792	PURDY, CLAY	2,914,073
KRATOCHVIL, RHONDA MARIE	2,951,213	MITEK HOLDINGS, INC.	2,947,580	QADER, KHALIL	2,949,700
KROGER, CHRISTOPHER JAMES	2,950,551	MITEK HOLDINGS, INC.	2,948,795	RAHIMI, ABDOLHOSSEIN AKA FARROKH	2,951,306
KROGER, CHRISTOPHER JAMES	2,950,782	MODI, SHIMON	2,950,987	RAVUNA, ELIYAHU	2,949,991
KUNIK, WILLIAM	2,944,107	MOKHTARI, SASAN	2,951,306	REDDY, CHANA KESAVA	2,944,104
KUNZ, DALE	2,913,933	MOREY, DENNIS	2,950,647	REJMAN, MARK	2,914,315
KUSTRA, RAFAL	2,914,722	MOVASSAGHI, MEHRZAD	2,963,239	RENGGLI, BERNARD JAMES	2,950,549
KUZCO LIGHTING	2,932,625	MUHAMMAD, MUDASSAR, ALI	2,950,555		
LAMBOOIJ, THOMAS	2,950,684	MUKHERJEE, YU XIE	2,949,275		
LANNEN, RICHARD J.	2,947,258	MULCHANDANI, SHAAN	2,950,987		
LAUGHLIN, SCOTT	2,914,071	MULTI-SHOT, LLC	2,950,052		
LAVASOFT CANADA INC.	2,951,140	MURARU, ION	2,963,139		
LAVASOFT CANADA INC.	2,951,256	MURPHY, GORDON	2,950,658		
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		MUTCHNIK, ANDREY	2,950,928		

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RIHA, MAREK	2,947,258	SPENCER, CHARLES J.	2,950,838	ZHAO, YAN	2,950,850
ROBERGE, JULES	2,957,773	SRIVASTAV, AMIT	2,947,556	ZOU, WEN-BIN	2,928,326
ROBILLARD, BRUCE	2,922,042	STAUNER, JOSEPH	2,951,297		
ROBINSON, RONALD	2,950,810	STAUNER, JOSEPH	2,951,300		
ROHM AND HAAS COMPANY	2,947,260	STREIT, JOSEF ANTON	2,949,699		
ROJAS, DANIEL	2,916,982	SU, WEN-CHEN	2,948,004		
ROSEMOUNT AEROSPACE INC.	2,944,106	SUN, CHANGJIE	2,949,275		
ROSEMOUNT AEROSPACE INC.	2,944,107	SWALES, SHAWN H.	2,947,258		
RUBIO AGUILERA, JAVIER	2,947,567	TADDIA, LUCA	2,963,007		
RUSS, JACK	2,963,252	TAME, OMAR D.	2,951,080		
RUSS, JACK	2,963,257	TARIBAGIL, RAJIV R.	2,951,307		
SAEZ, JEAN-FRANCOIS	2,949,423	TAYLOR, ROBERT C.	2,950,624		
SAFRAN LANDING SYSTEMS UK LIMITED	2,950,646	TAYLOR, STUART A.	2,951,307		
SALOMONSSON, PETER	2,951,533	TEMP4 INC.	2,914,162		
SAN MIGUEL RIVERA, LIDARIS	2,947,260	TESA SE	2,948,305		
SC ASSET CORPORATION	2,916,982	THAKAR, PUNEET PIYUSH	2,950,034		
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SCHLIESSER, GERHARD	2,947,170	THE BOEING COMPANY	2,947,188		
SCHNEIDER ELECTRIC USA, INC.	2,950,115	THOMPSON, JOHN PAUL	2,950,624		
SCHNEIDER, MARK	2,950,603	TIEDE, LAWRENCE	2,948,302		
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SCHROEDER, ULRICH	2,945,971	TOBIAS, BRIAN	2,950,658		
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SCULLY, WENDY C.	2,950,603	VAN DYK, ANTONY K.	2,947,260		
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SENNOUN, MOHAMMED EL HACIN	2,949,694	VANDEVER, KEVIN	2,950,034		
SENNOUN, MOHAMMED EL HACIN	2,949,703	VIAM MANUFACTURING, INC.	2,936,600		
SENNOUN, MOHAMMED EL HACIN	2,950,248	VITALAIRE CANADA INC.	2,942,226		
SENNOUN, MOHAMMED EL HACIN	2,950,792	VOGT, SEBASTIAN	2,950,121		
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SIVARAMAKRISHNAN, SHANKAR	2,950,548	WANG, EDWARD	2,948,004		
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SKF MAGNETIC MECHATRONICS	2,945,971	WANG, XIAOCHUAN	2,914,315		
SLUTSKER, ILYA WILLIAM	2,951,306	WANG, XIAOCHUAN	2,914,353		
SMITH, ROCKY LEE	2,951,213	WANG, XIAOCHUAN	2,914,354		
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		WILLIAMS, CAMERON PHILIP	2,947,258		
		WILSON, BRIAN	2,912,737		
		WINKLE, DAVID	2,950,626		
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		WU, SHIH-JEN	2,951,213		
		YANG, HONG	2,950,810		
		YANG, QUAN	2,928,326		
		YANG, SHAOKUN	2,932,625		
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A. RAYMOND ET CIE	2,968,366	AKLOG, LISHAN	2,969,448	ANHALT, KEVIN	2,968,863
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ACCELERON PHARMA INC.	2,969,572	ALFANI, ROBERTA	2,965,225	APONTE, RAPHAEL	2,967,530
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ADRENALINE BARBECUE COMPANY, LLC	2,969,127	ALLISS, GEORGE E.	2,964,701	ARCHER DANIELS MIDLAND COMPANY	2,969,628
ADRIAN, KLAUS	2,966,764	ALLMAN, BRENDAN	2,968,883	AREFCHEX INC.	2,968,863
AELEN, PAUL	2,968,607	ALLURE SYSTEMS	2,968,924	AREVA WIND GMBH	2,967,520
AEON RESEARCH AND TECHNOLOGY, LLC	2,968,982	ALMQVIST, KLAS FREDRIK ALTENHOFF, ANSGAR GEREON	2,969,186	ARGYELAN, MIKLOS	2,969,425
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AG BIO-POWER L.C.	2,969,092	ALVARADO, FERNANDO	2,969,109	ARISAWA, HIDEAKI	2,969,404
AGAN AROMA & FINE CHEMICALS LTD.	2,969,393	AMA S.P.A.	2,965,094	ARKEMA FRANCE	2,965,371
AGAN AROMA & FINE CHEMICALS LTD.	2,969,397	AMAZON TECHNOLOGIES, INC.	2,962,649	ARLANXEO DEUTSCHLAND GMBH	2,966,051
AGCO CORPORATION	2,962,317	AMAZON TECHNOLOGIES, INC.	2,962,825	ARLIG, ULF	2,967,138
AGRAWAL, NEELAM SATISH	2,962,649	AMAZON TECHNOLOGIES, INC.	2,969,237	ARMBRECHT, GUNNAR	2,967,166
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AHN, SEONG HWAN	2,969,140	H.DREYER GMBH & CO. KG	2,964,224	ARNAUT, FILIP	2,966,814
AHTIAINEN, RIINA	2,965,586	AMEND, THOMAS ALOISIUS VALENTINUS	2,966,809	ARNDT, MICHAELA	2,950,489
AIBA, KAZUHIRO	2,968,347	AMESBURY GROUP, INC.	2,964,792	ARNOLD, OFER	2,969,093
AIERTZA OTXOTORENA, MIREN KARMELE	2,965,561	AMO WAVEFRONT SCIENCES, LLC.	2,969,513	ARNOLDI, ERIC	2,966,051
AIRBUS DEFENCE AND SPACE LIMITED	2,966,061	AMRONA AG	2,954,103	ARRIS ENTERPRISES LLC	2,963,240
AIRBUS DEFENCE AND SPACE SAS	2,969,037	AMVALOR	2,965,394	ARTHREX, INC.	2,968,833
AIRBUS DEFENCE AND SPACE SAS	2,969,146	ANAEROPHARMA SCIENCE, INC.	2,969,100	ARYA, JAYA	2,966,191
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				ASANO, MORITERU	2,968,935
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				ASHTON, DOMINIC	2,960,081
				ASTON UNIVERSITY	2,965,193
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				ATOTECH DEUTSCHLAND GMBH	2,969,182

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ATTIE, KENNETH M.	2,969,413	BASF PLANT SCIENCE COMPANY GMBH	2,967,131	BERGIN, NIAMH	2,965,439
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AUDRY, RICHARD	2,965,371	BASF PLANT SCIENCE COMPANY GMBH	2,967,136	BERGMANS, STEPHAN	
AUNG, LAWRENCE HUN-GI	2,962,649	BASF SE	2,959,700	CORNELIS GERARDUS	2,962,125
AUTH0, INC.	2,968,858	BASF SE	2,964,420	BERKHOUT, SIMON PETRUS MARIA	2,968,810
AVENT, INC.	2,966,197	BASF SE	2,965,228	BERNARD, AURELIEN	2,964,043
AVERSA, VINCENZO	2,966,801	BASF SE	2,965,440	BERNHARD, KAY	2,963,829
AVERY DENNISON RETAIL INFORMATION SERVICES, LLC	2,963,880	BASF SE	2,966,562	BERRIDGE, JON CASEY	2,969,427
AVIDOR, YOAV	2,969,393	BASF SE	2,966,678	BERTHERAT, MARC	2,965,738
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AZARIAN YAZDI, KAMBIZ	2,962,839	BASF SE	2,966,943	BESTE, RANDAL T.	2,969,416
BAAN, ZOLTAN	2,969,186	BASF SE	2,967,111	BETEK GMBH & CO. KG	2,964,224
BACHMANN, SIMON	2,969,351	BASF SE	2,967,158	BHUSHAN, NAGA	2,962,839
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BACKMANN, MARTIN	2,959,759	BASF SE	2,969,186	BIANCONI, LUDOVICA	2,964,699
BACKMANN, MARTIN	2,960,077	BATISTA, RUI NUNO	2,963,728	BIANCONI, LUDOVICA	2,965,444
BACKMANN, MARTIN	2,960,766	BATISTA, RUI NUNO	2,963,734	BIBETTE, JEROME	2,956,028
BACKVALL, JOHAN	2,967,138	BATISTA, RUI NUNO	2,965,567	BICHLER, MANFRED	2,967,111
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BAI, YANHUI	2,968,917	BAUER, SVEN	2,966,417	BIFFE, DENIS FERNANDO	2,966,985
BAIGET ORTS, AMPARO	2,964,501	BAUKLOH, DIETER	2,967,082	BINDSEIL, GERON	2,968,903
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BAKER HUGHES INCORPORATED	2,965,541	BAYLEY, BRIAN	2,969,227	BIRKETT, DAVID P.	2,965,439
BAKERY CONCEPTS INTERNATIONAL, LLC	2,969,583	BAZZARELLA, RICARDO	2,969,135	BISCHOF + KLEIN SE & CO. KG	2,961,326
BAKKER, MARTINUS CORNELIS MARIA	2,968,810	BD INVENT S.A.	2,960,637	BISCHOFF, SEBASTIAN	2,961,257
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BAMA S.P.A.	2,963,675	BECHER, JURGEN	2,958,385	BITZI, RAPHAEL	2,966,286
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BANNO, HIROSHI	2,968,935	BECKER, STEFAN	2,966,397	BLACKBOURN, ROBERT LAWRENCE	2,957,473
BAR-AM, ILAN	2,968,799	BECKETT, TREVOR	2,965,127	BLACKWELL, BRIAN ROBIN	2,961,835
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BARCO, INC.	2,969,226	BEDFORD SYSTEMS LLC	2,965,127	BLIBECH, RAGHEB	2,964,839
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BARILLARI, JOSEPH DAVID	2,969,095	BEDFORD SYSTEMS LLC	2,965,131	BLOIS, HELENE	2,966,944
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		BELL, JON	2,965,699	BOENITZ-DULAT, MARA	2,966,287
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RECREATIONAL		BROOKS, LAURA	2,967,523	CAKMAK, MUKERREM	2,968,967
PRODUCTS INC.	2,969,390	BROOKS, LAURA	2,967,524	CALDARELLA, FRANCO	2,969,351
BONIFAS, ANDREW P.	2,969,534	BROOKS, LAURA	2,967,527	CALDERON, JOSEPH	2,965,701
BOOMER, KENT	2,969,519	BROWN, ANDREW A.	2,965,578	CALIXTE, LAURENT	2,964,023
BOOTH, BRADLEY	2,962,878	BROWN, IRINA	2,969,544	CALL, DERICK	2,965,468
BORCH, KIM	2,966,292	BROWN, KEITH	2,969,350	CALLAN, JAMES	2,965,188
BORDE, XAVIER	2,959,655	BROWN, STANLEY C.	2,965,483	CALZIFICIO PINELLI S.R.L.	2,960,055
BOREL, CHRISTOPHE	2,965,585	BROWN, STEPHEN C.	2,963,096	CAMASCA RAMIREZ,	
BORISKI, DENNIS SHANE	2,957,473	BROWN, TRAVIS	2,968,863	CLAUDIO ARMANDO	2,963,153
BORLAND, CAROL	2,966,769	BROWNIE, JOHN	2,965,491	CAMEZ, CEDRIC	2,962,752
BORN, NANCY	2,969,182	BRUCKNER, JAN	2,966,811	CAMFIL AB	2,962,295
BORTOLUZZI SISTEMI S.P.A.	2,966,789	BRUGGEMANN, TROY	2,969,552	CAMFIL AB	2,962,495
BORTOLUZZI SISTEMI S.P.A.	2,966,946	BRULE, BENOIT	2,965,371	CAMPAGNARO, FERNANDO	
BORTOLUZZI, GUIDO	2,966,789	BRUMLEY, EDWARD W.	2,962,068	GABRIEL	2,964,071
BORTOLUZZI, GUIDO	2,966,946	BRUMM, CHRISTOPHER	2,969,216	CAMPBELL, JOHN	2,965,708
BOSMANS, GEERTRUI	2,966,814	BRUNELLI, ANTHONY LOUIS	2,968,857	CAMPI, ANDREA	2,964,583
BOSSUYT, FILIP GILBERT		BRUNET, JEAN-PHILIPPE	2,965,585	CANLI, TURKMEN	2,969,210
LUCIEN	2,967,163	BRUNI, COSTANTINO	2,967,087	CANON KABUSHIKI KAISHA	2,969,088
BOSTYN, FREDERIC	2,964,206	BRUTON, CONNOR	2,964,829	CAPPS, KENLEY	2,968,369
BOUDJEMA, FABIEN	2,965,086	BRUTON, CONNOR	2,964,844	CAPUTO, PETE JOSEPH II	2,963,243
BOUDSOCQ, BENJAMIN	2,965,396	BRYSCH, WOLFGANG	2,966,671	CARDOZO, TIMOTHY	2,969,463
BOUTELL, JONATHAN MARK	2,967,525	BU, FANPING	2,969,418	CARELLA, JOSE M.	2,969,374
BOUWHUIS, YURI	2,961,854	BUCKINGHAM, SAMUEL		CARL FREUDENBERG KG	2,956,867
BOVEROUX, BENOIT	2,960,637	GWYNN	2,969,083	CARL FREUDENBERG KG	2,957,992
BOWEN, PETER ZACHARY	2,969,237	BUDHIA, MICKEL BIPIN	2,963,153	CARL FREUDENBERG KG	2,959,214
BOYANOV, BOYAN	2,967,525	BUEKENHOUDT, ANITA	2,961,693	CARLOCK, LEON	2,969,586
BOYD, DAVID ANTHONY	2,961,835	BUETEFUER, JOHN		CARLSON, RYAN D.	2,968,368
BOYD, MATT	2,969,519	LAWRENCE	2,969,344	CARNALI, JOSEPH ORESTE	2,966,721
BOZOVICH, BRUCE E.	2,966,353	BUNDERS, CYNTHIA	2,968,973	CARNALI, JOSEPH ORESTE	2,966,790
BP CORPORATION NORTH		BURGER, GUNTER	2,964,827	CARPENTER, COLIN	
AMERICA INC.	2,918,558	BURGESS, KARL	2,967,514	MOREHOUSE	2,965,983
BRADNER, JAMES	2,969,417	BURGESS, KARL	2,967,516	CARTMILL, COLIN	2,966,248
BRANDENBURG, RONNY	2,963,457	BURGMANS, HIDDE HANS	2,956,339	CARVAJO LUCENA, IGNACIO	2,963,029
BRANETS, LARISA V.	2,963,092	BURGSTALLER, CHRISTIAN	2,968,789	CASALE SA	2,959,950
BREDBECK, TILL	2,967,166	BURI, MATTHIAS	2,966,055	CASALE SA	2,967,087
BREEDON, MICHAEL	2,969,347	BURNS, MICHAEL	2,968,369	CASNER, GLENN E.	2,969,534
BREITBART, EYAL	2,968,790	BURTON, DAVID	2,968,645	CAST CONNEX	
BREMOND, NICOLAS PIERRE	2,956,028	BUSBY, JEFF	2,969,519	CORPORATION	2,969,348
BRENNAN, MARK JOSEPH	2,961,109	BUSSIAHN, RENE	2,963,457	CASTELLINO, FRANCESCO	2,961,832
BRENNER, ROBIN	2,963,950	BUSSMANN, MARKUS	2,959,744	CASTRO FEO, BEGONA	2,964,501
BRENZEL, MICHAEL P.	2,969,316	BUSSMANN, MARKUS	2,959,759	CASTRO, ALBERT	2,968,851
BRERETON, CLIVE	2,961,835	BUSSMANN, MARKUS	2,960,077	CASTRO NETWORKS, INC.	2,963,232
BRESLIN, TRACY	2,968,846	BUSSMANN, MARKUS	2,960,766	CATHAUD, EDDY	2,963,191
BREU, JOSEF	2,966,671	BUTLER, CIMON	2,969,065	CAUTEREELS, VIC	2,966,088
BRIFCANI, NOORI MOYAD	2,963,617	BUTTER-JENTSCH, RALPH	2,967,113	CAUWENBERGH, GERARD	2,969,590
BRIGHTCHARGER EUROPE		BUTTERFLY FLEXIBLE		CAVANAUGH, MATTHEW	2,968,526
OY LTD	2,962,554	SEATING SOLUTIONS		CAVAZZIN, ANDREA	2,965,596
BRIJS, KRISTOF	2,966,814	LIMITED	2,969,000	CECCHETTO, MASSIMO	2,966,794
BRISTOL, INC., D/B/A		BWG BERGWERK- UND		CELGENE CORPORATION	2,969,572
REMOTE AUTOMATION		WALZWERK-		CELLECTIS	2,969,384
SOLUTIONS	2,962,952	MASCHINENBAU GMBH	2,967,082	CENDEJAS ZARAGOZA,	
BRISTOL-MYERS SQUIBB		BYO TOWERS, S.L.	2,964,327	LEOPOLDO	2,969,228
COMPANY	2,968,961	BYRNE, EAMONN	2,968,871	CENTOGENE AG	2,967,504
		CABANERO, GERMAN	2,965,561		

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CENTRE NATIONAL D'ETUDES SPATIALES CNES	2,969,146	CHUCHRO, PAULA J. CHUINARD, CHRISTOPHER R.	2,965,694 2,969,436	COSTA, RICARDO JORGE JOTA	2,965,733
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS-	2,962,864	CHUNG, JOON HYUNG CID-NUNEZ, JOSE MARIA CLAESSENS, ROGER PIERRE	2,962,779 2,967,226 2,964,342	COSTE, M. COSTELLO, DAVID M. COTTINGHAM, IAN	2,960,697 2,969,205 2,969,314
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	2,959,652	HUBERTUS MARIA CLAGETT-DAME, MARGARET CLARIANCE	2,969,334 2,966,590	COULTER, IVAN COURTIN, KARINE COVIDIEN LP	2,966,801 2,967,191 2,969,205
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	2,964,043	CLARIANT PLASTICS & COATINGS LTD CLARIANT PLASTICS & COATINGS LTD	2,966,427 2,966,781	COWLEY, WILLIAM GEORGE COZZA, LUCA CPPE CARBON PROCESS & PLANT ENGINEERING	2,969,344 2,969,065 2,958,732
CENTRE TECHNIQUE DES INDUSTRIES MECANIQUES	2,965,394	CLAVERT, PHILIPPE CLEMENT, TOM CLERIVET, PIERRE	2,969,436 2,968,996 2,963,162	S.A. CRAIN, STEVEN P. CRAMER, JACOB FLYVHOLM	2,965,506 2,966,718
CERALOC INNOVATION AB CEREDA, MASSIMILIANO CHAE, HYUKJIN	2,969,191 2,963,711 2,962,388	CLIMAX, JOHN CLYNNE, THOMAS CNH INDUSTRIAL CANADA, LTD.	2,968,980 2,968,408 2,969,075	CRONA, BJORN CROSSMAN, MARTIN CHARLES	2,967,138 2,967,514
CHAKRABORTY, DEBASISH CHAKRAVARTY, SAGNIK CHALMERS, HARVEY	2,969,362 2,969,386 2,962,398	CNH INDUSTRIAL CANADA, LTD. COBOS, MARIA DEL PILAR COE, JONATHAN ALLEN	2,969,170 2,969,243 2,969,129	CROSSMAN, MARTIN CHARLES CUMMINGS, PETER CUPP, TIMOTHY L.	2,967,516 2,968,532 2,965,534
CHAN, JACKIE SHEK KEI CHAN, JASON CHAND, SUBHASH	2,962,228 2,969,065 2,963,880	COE, JONATHAN ALLEN COGEN, JEFFREY M. COLE, BRADLEY JAMES	2,965,306 2,968,880 2,969,347	CURT G. JOA, INC. CUTLER, JOSHUA I. CYFUSE BIOMEDICAL K.K.	2,969,248 2,965,116 2,968,347
CHANDLER, DOUGLAS M. CHANDRA, DINESH CHANG, CHIEN-HSING	2,969,625 2,968,818 2,968,815	COLE, IVAN STUART COLES, GERALD C. COLLINS, CHARLES	2,969,347 2,968,824 2,968,941	CYPHER, MARIA CZWALUK, ANDREAS CZWALUK, ANDREAS	2,969,586 2,966,308 2,966,312
CHANG, EMILY RAINS CHATTERJEE, ARNAB K. CHAUDHARY, BHARAT I.	2,968,874 2,965,306 2,969,322	COLLINS, CHARLES COLLINS, RYAN PATRICK COLLURU, VISWA	2,968,942 2,969,512 2,965,530	CZWALUK, ANDREAS DADACHOVA, EKATERINA DAHLBERG, NIKLAS	2,966,373 2,969,625 2,968,762
CHEMALI, ROLAND E. CHEN, CHEN CHEN, HAO	2,969,322 2,969,353 2,967,126	COLLURU, VISWA COLOMBET, THIERRY COLORADO STATE UNIVERSITY RESEARCH	2,959,464 2,968,820	DAHLSTRAND, CHRISTIAN DAHMAH, EMAN DAI NIPPON PRINTING CO., LTD.	2,965,276 2,965,193 2,969,016
CHEN, HAU-JIUN CHEN, JACK CHEN, JIANMING	2,969,232 2,969,065 2,969,209	FOUNDATION COLSTON, MICHAEL COMBILIFT	2,969,476 2,966,245	DAIFUKU CO., LTD. DAIICHI SANKYO COMPANY, LIMITED	2,969,207 2,969,013
CHEN, MU-KUEI CHEN, TSANG-TSE CHEN, YILONG	2,969,010 2,969,010 2,969,012	COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION	2,969,347	DAILEY, SCOTT DAIMLER AG DAMIANO, ANNE-LISE	2,966,194 2,965,855 2,965,270
CHENG, LI CHENG, SHINTA CHENG, YING	2,967,118 2,969,338 2,969,344	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	2,969,106	DAMSCHRODER, MELISSA DANA-FARBER CANCER INSTITUTE	2,967,118 2,969,417
CHERIAN, GEORGE CHERUVATTA, REJISH PUTHIYEDATH	2,963,155 2,962,418	COMPUTER SCIENCES CORPORATION CONRADSEN, CHRISTIAN NAGSTRUP	2,962,814 2,969,362	DANA-FARBER CANCER INSTITUTE, INC. DANMARKS TEKNISKE UNIVERSITET	2,968,939 2,969,362
CHEVRON PHILLIPS CHEMICAL COMPANY LP CHI-KWAN LING, NICHOLAS	2,965,335 2,969,609 2,966,191	CONSTANTIN, JAMIL CONSTELLIUM VALAIS SA (LTD)	2,966,985 2,965,738	DANSET, GAETAN DANZIGER INNOVATIONS LTD.	2,966,543 2,968,808
CHINA PETROLEUM & CHEMICAL CORPORATION	2,969,359	CONVENTUS ORTHOPAEDICS, INC. CONVERGENT DENTAL, INC.	2,969,316 2,968,841	DAO, NGOC-DUNG DATHE, HENDRIK DAVE, RAJENDRA	2,969,138 2,966,244
CHIPCARE CORPORATION CHIYODA CORPORATION CHOPRA, PRANAV	2,969,078 2,969,333 2,965,123	COOKE, STEPHEN COOPER, JONATHAN COOYMANS, LUDWIG PAUL	2,969,350 2,967,124 2,954,751	MOHANLAL DAVIDI, RAN DAVIDSON, BENJAMIN T.	2,966,721 2,965,983 2,969,248
CHOPRA, PRANAV CHOPRA, PRANAV CHORKENDORFF, IB	2,965,128 2,965,133 2,969,362	COPLAND, RICHARD J. CORETEQ SYSTEMS LTD CORIC, VLADIMIR	2,969,513 2,967,502 2,969,338	DAVIS, MARTIN VINCENT DAVIS, COLLIN CHARLES DAVIS, HARRY	2,966,235 2,962,825 2,968,913
CHOW, JAMES R.	2,962,978	COROCHER, CARLO	2,963,164		

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DE BOER, MARTIN	2,966,078	DICHARRY, RICHARD		DUCHATEAU, PHILIPPE	2,969,384
DE CLERCQ, YVAN	2,963,169	DONALD	2,962,948	DUCKWORTH, DAVID G.	2,918,558
DE COOMAN, BART	2,967,119	DICKHAUT, JOACHIM	2,966,562	DUDUROVIC, MILE	2,969,477
DE DONCKER, LINDA	2,963,169	DICKSON, GEORGE	2,953,187	DUFAUX, FREDERIC	2,962,864
DE JONG, NICKY		DIEBOLD SELF-SERVICE		DUFFY, KEVIN	2,968,980
WILHELMUS JOHANNES		SYSTEMS DIVISION OF		DUMONT, LAURE	2,969,145
HENDRIKUS	2,964,342	DIEBOLD,		DUPONT NUTRITION	
DE LA ROSA, ABEL	2,969,372	INCORPORATED	2,966,194	BIOSCIENCES APS	2,966,471
DE LHONEUX, BENOIT	2,965,230	DIEDRICH, GUNDO	2,967,118	DUPONT NUTRITION	
DE NATIONALE GEOLOGISKE		DIEHL, ANDREW KARL	2,969,407	BIOSCIENCES APS	2,966,718
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DANMARK OG		DIEHL, ANDREW KARL	2,969,435	DUTREMBLE, THOMAS PAUL	2,965,127
GRONLAND	2,958,615	DIEHL, ANDREW KARL	2,969,488	DUTREMBLE, THOMAS PAUL	2,965,131
DE OLIVEIRA, JUAN-CARLOS	2,969,348	DIEZ CORNEJO, ALFONSO	2,964,327	DY, SEAN ELLIOTT	2,969,353
DE OLIVEIRA, RUBEM		DIGARD, HELEN	2,963,957	DYCK, GERALD	2,969,351
SILVERIO, JR.	2,966,985	DILLARD, WALTER SCOTT	2,965,531	DYER, KELLY	2,968,917
DE OLIVEIRA, SERGIO	2,966,194	DING, HUANQING	2,969,479	DYKSTRA, JASON D.	2,969,222
DE PIETRI TONELLI,		DINGWALL, ANNE-CECILE	2,965,578	DYKSTRA, JASON D.	2,969,418
ROBERTO	2,963,711	DM SYSTEMS INC.	2,966,221	EATON LIMITED	2,960,081
DE ROO, PETER ROBERT	2,959,195	DMYTROW, ERIN M.	2,966,364	EBERLEIN, ANSELM	2,954,103
DE WAAL MALEFIJT,		DOLBY INTERNATIONAL AB	2,962,806	EBERT, SOPHIA	2,969,186
BERNARD WILLEM	2,958,564	DOMINGUEZ, JESUS	2,958,107	ECOCHARD, CLAUDE	2,966,543
DE WAAL MALEFIJT,		DONDERICI, BURKAY	2,969,319	ECOLE SUPERIEURE DE	
BERNARD, WILLEM	2,966,264	DONDERICI, BURKAY	2,969,321	PHYSIQUE ET DE CHIMIE	
DEANS, ALLAN BUSHHELL	2,969,477	DONDERICI, BURKAY	2,969,322	INDUSTRIELLES DE LA	
DEBRAUWER, CHRISTELLE	2,965,270	DONNELLY, DAVID	2,968,961	VILLE DE PARIS	2,956,028
DECKARD, AARON D.	2,968,368	DORGE, VALERIE	2,966,814	ECONIQ LIMITED	2,965,188
DECKARD, AARON D.	2,969,107	DOSSO S.R.L.	2,964,583	EDA, MASAYUKI	2,969,634
DECKED LLC	2,969,118	DOU, JAMES JIAHUA	2,969,078	EDDY CURRENT LIMITED	
DEEBA, MICHEL	2,966,943	DOW AGROSCIENCES LLC	2,969,617	PARTNERSHIP	2,969,407
DEGIOVANNI, ALAIN	2,959,652	DOW GLOBAL		EDDY CURRENT LIMITED	
DEGUZMAN, BRIAN J.	2,969,448	TECHNOLOGIES LLC	2,964,920	PARTNERSHIP	2,969,423
DEGUZMAN, BRIAN J.	2,969,579	DOW GLOBAL		EDDY CURRENT LIMITED	
DEISSEROTH, KARL A.	2,969,453	TECHNOLOGIES LLC	2,965,306	PARTNERSHIP	2,969,435
DELAVAL HOLDING AB	2,964,356	DOW GLOBAL		EDDY CURRENT LIMITED	
DELAVAL HOLDING AB	2,964,460	TECHNOLOGIES LLC	2,965,497	PARTNERSHIP	2,969,488
DELCOUR, JAN	2,966,814	DOW GLOBAL		EDELMANN, BIANCA	2,966,764
DELFOS, RICCO JOHANNES	2,956,339	TECHNOLOGIES LLC	2,965,506	EDER, CLAUDIA	2,956,681
DELUCA, HECTOR F.	2,969,334	DOW GLOBAL		EDWARD CUCKNELL, ALAN	
DEMCHUK, ANDREW		TECHNOLOGIES LLC	2,969,002	JOHN	2,964,855
MICHAEL	2,969,140	DOW GLOBAL		EICHER, DOMINIC	2,962,482
DENG, CHANGSHUN	2,969,001	TECHNOLOGIES LLC	2,969,004	EISELE, THOMAS	2,966,718
DENG, SHOUQUAN	2,969,357	DOW GLOBAL		EISENER, RAFAEL	2,965,855
DENGLER, JOACHIM	2,967,111	TECHNOLOGIES LLC	2,969,005	EIZEN, MICHA	2,969,219
DENHAM, MARTIN S.	2,966,353	DRAEGER, OLIVER	2,966,722	EKSTRAND, PER	2,962,806
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DESLAURIERS, PAUL J.	2,965,335	DREXLER, HERMANN	2,966,417	EMM HOLDING BV	2,959,195
DEVINE, MARTIN JOHN	2,965,875	DROCCO, LUCA	2,965,592	EMORY UNIVERSITY	2,969,372
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DEVOS, PHILIPPE	2,965,037	DROCCO, MARIO	2,965,592	EMPTING, MARTIN	2,966,397
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ESSEGHIR, MOHAMED	2,969,002	FERRING B.V.	2,969,314	FUKUSHIMA, TAKAAKI	2,969,135
ESSEGHIR, MOHAMED	2,969,004	FIERENS, ELLEN	2,966,814	FUNATO, JUNICHI	2,969,198
ESSEGHIR, MOHAMED	2,969,005	FIRERREIN INC.	2,968,882	FUNDACION CIDETEC	2,965,561
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ETABLISSEMENTS J.		FISHER, ROBIN	2,967,522	INSTITUTE OF	
SOUFFLET	2,956,028	FISHER, ROBIN	2,967,523	PETROLEUM AND	
ETEX SERVICES NV	2,965,230	FISHER, ROBIN	2,967,524	PETROCHEMICALS,	
ETH ZURICH	2,967,162	FISHER, ROBIN	2,967,527	SINOPEC CORP.	2,969,359
ETXE-TAR, S.A.	2,958,107	FLACH, NICLAS	2,960,039	GABORIT, VINCENT	2,969,436
EUROPEAN MOLECULAR		FLEISCHEL, OLIVIER	2,969,186	GACHOTTE, DANIEL J.	2,969,617
BIOLOGY LABORATORY	2,962,482	FLEMING, WESLEY JUSTIN	2,969,082	GAIN, PHILIPPE	2,964,043
EVENS MO, MORTEN		FLEURY, CYRILLE AROUN		GALE, MARY J.	2,965,491
HVISTENDAHL	2,958,734	KOUMAR	2,969,436	GALILI, BEN	2,969,093
EVEROST UK LTD.	2,968,477	FLINGAI, SELEEKE	2,969,214	GALLE, PAUL	2,964,322
EVONIK DEGUSSA GMBH	2,958,523	FLOORING TECHNOLOGIES		GALLIANO, CLINTON	
EVONIK DEGUSSA GMBH	2,961,854	LTD.	2,966,674	CHERAMIE	2,968,953
EVONIK ROHM GMBH	2,963,829	FLORACK, DIONISIUS		GALLIANO, CLINTON	
EWE, WEI-BIN	2,969,322	ELISABETH ANTONIUS	2,963,617	CHERAMIE	2,969,234
EXIMORE LTD.	2,968,926	FLORIDI, GIOVANNI	2,966,794	GALLO, ERIK	2,966,794
EXTRACTOR CORPORATION	2,968,971	FOLSOM, MATTHEW D.	2,968,842	GALUN, EITHAN	2,969,336
EXXONMOBIL RESEARCH		FORCE, ERIC	2,962,756	GALVANI BIOELECTRONICS	
AND ENGINEERING		FORD, JASON	2,969,552	LIMITED	2,965,780
COMPANY	2,965,491	FORLINES, CLIFTON	2,965,733	GALVIN, JIM	2,968,871
EXXONMOBIL UPSTREAM		FOROOZAN, FOROOHAR	2,969,253	GAMBLIN, JASON	2,968,997
RESEARCH COMPANY	2,963,092	FORRESTER, RAYMOND		GANE, PATRICK A.C.	2,966,055
EXXONMOBIL UPSTREAM		ALVERO, JR.	2,964,150	GANTENBEIN, DANIEL	2,966,055
RESEARCH COMPANY	2,965,116	FORSCHUNGSZENTRUM		GAO, BAOAN	2,969,209
F. HOFFMANN-LA ROCHE AG	2,966,287	JULICH GMBH	2,965,576	GAO, QIAN	2,965,123
F. HOFFMANN-LA ROCHE AG	2,966,289	FOSTAG FORMENBAU AG	2,965,724	GAO, QIAN	2,965,133
F. HOLZER GMBH	2,965,191	FOSTAG FORMENBAU AG	2,965,725	GARCIA CASTRO, IVETTE	2,965,228
F. HOFFMANN-LA ROCHE AG	2,967,194	FOURNET, ARNAUD	2,965,086	GARCIA, RENE	2,968,941
F. HOFFMANN-LA ROCHE AG	2,967,201	FOWLER, TRACY A.	2,965,116	GARDNER, ADAM	2,969,546
FACEBOOK, INC.	2,969,094	FOX, ANDREW R.	2,969,381	GARDNER, STEPHEN PHILIP	2,960,551
FACEBOOK, INC.	2,969,095	FRASCELLA, COSIMO	2,964,580	GARDNER, STEPHEN PHILIP	2,960,564
FACEBOOK, INC.	2,969,230	FRASER, JAMES ANDREW	2,969,078	GARDSRUD, HANS OYVIND	2,964,164
FACEBOOK, INC.	2,969,353	FRAUNHOFER-		GARELLA, DOMINIK	2,966,798
FACEBOOK, INC.	2,969,517	GESELLSCHAFT ZUR		GARNICA RODRIGUEZ, JAIRO	
FACULDADE DE CIENCIAS		FORDERUNG DER		IVAN	2,956,028
MEDICAS DA		ANGEWANDTEN		GATTO, STEPHEN J.	2,968,831
UNIVERSIDADE NOVA		FORSCHUNG E.V.	2,964,028	GAUGER, DONALD	2,962,814
DE LISBOA	2,965,780	FRAZZINI, MICHAEL		GAUTHIER, GERARD	
FAIVELEY TRANSPORT		ANTHONY	2,962,825	PHILIPPE	2,965,396
ITALIA S.P.A.	2,965,596	FREDRICKSON, DONOVAN L.	2,968,368	GAUTIER, PHILIPPE	2,965,086
FALDT, ANDRE	2,953,284	FREEMAN, BENJAMIN	2,968,838	GE LIGHTING SOLUTIONS,	
FANGET, ALAIN	2,967,155	FRENZEL, ULRICH	2,966,051	LLC	2,968,408
FARMANBAR, HAMIDREZA	2,969,138	FREULON, ARNAUD THIERRY		GE OIL & GAS ESP, INC.	2,968,941
FARRER, STEPHEN W.	2,969,513	JEAN-MARIE	2,962,513	GE OIL & GAS ESP, INC.	2,968,942
FAUQUETTE, CHARLES	2,964,206	FRICK, ROBERT	2,969,510	GEHRIG, UWE	2,965,440
FAVART, LUC	2,969,436	FRIDRISCHAK, SIEGMUND	2,964,665	GELENCSEER, GABOR	2,969,070
FEDORKA, THOMAS	2,965,123	FRIEDLI, PAUL	2,965,746	GENERAL CABLE	
FEDORKA, THOMAS	2,965,128	FRIEDLI, PAUL	2,966,478	TECHNOLOGIES	
FEDORKA, THOMAS	2,965,131	FROCK, JEFFREY L.	2,965,534	CORPORATION	2,969,516

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GENESIS TECHNICAL SYSTEMS CORP.	2,969,350	GORDON, JEREMY B.	2,965,131	HAEHNLE, HANS-JOACHIM	2,964,420
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GEOGHEGAN, JAMES	2,967,118	GORDON, JEREMY B.	2,965,136	HAGEMEYER, ALFRED	2,968,981
GEORG MARTIN GMBH	2,965,410	GOUDON, JEAN-PHILIPPE	2,965,086	HAGEMEYER, BRUCE	2,964,792
GEORGE, WAYNE N.	2,965,578	GOUDY, ERIC SHAWN	2,964,270	HAGIHARA, MASAHIKO	2,969,197
GEORGIA TECH RESEARCH CORPORATION	2,966,191	GOYAL, MAYANK	2,969,140	HAHN, KLAUS	2,966,379
GEORIS, JACQUES	2,966,814	GRACIA ESPANA, RAQUEL	2,965,561	HALAHMI, IZHAR	2,968,926
GEREN, MICHAEL D.	2,962,068	GRAHAM PACKAGING COMPANY, L.P.	2,965,293	HALDOR TOPSOE A/S	2,960,919
GESTNER, BRIAN	2,968,991	GRAHAM WARD, DANIEL	2,964,855	HALDOR TOPSOE A/S	2,961,832
GESTNER, BRIAN	2,969,343	GRAHAM, NEIL DERYCK BRAY	2,968,880	HALEY, DAVID VICTOR LAWRIE	2,969,344
GHIGLIONE, HERNAN OSCAR	2,966,985	GRAHAM, PETER	2,967,514	HALFMAN, MARC JOHAN	2,964,342
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GIASOLLI, ROBERT	2,969,535	GRANDE, HANS-JURGEN	2,965,561	HALLIBURTON ENERGY SERVICES, INC.	2,968,953
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GIESECKE & DEVRIENT GMBH	2,966,417	GRANGE, DIDIER	2,960,697	HALLIBURTON ENERGY SERVICES, INC.	2,969,211
GIL, EREZ KIKIN	2,965,699	GRANT, ALEXANDER JAMES	2,969,344	HALLIBURTON ENERGY SERVICES, INC.	2,969,222
GILADI, HILLA	2,969,336	GRANT, DANIEL	2,965,491	HALLIBURTON ENERGY SERVICES, INC.	2,969,232
GILCHRIST, GARY	2,962,418	GRASSO, ANGELO	2,965,596	HALLIBURTON ENERGY SERVICES, INC.	2,969,234
GILLOT, JULIEN	2,959,655	GRAVEKAMP, CLAUDIA	2,969,625	HALLIBURTON ENERGY SERVICES, INC.	2,969,310
GILSON SAS	2,962,904	GRAVES, BRIAN	2,965,468	HALLIBURTON ENERGY SERVICES, INC.	2,969,319
GIRAULT, GUILLAUME	2,969,558	GRAVES, WALTER VARNEY ANDREW	2,968,953	HALLIBURTON ENERGY SERVICES, INC.	2,969,321
GIROD, PIERRE-ALAIN	2,959,464	GRAVES, WALTER VARNEY ANDREW	2,969,234	HALLIBURTON ENERGY SERVICES, INC.	2,969,322
GIROTTO, ADRIANO	2,966,789	GRAY, JULIAN	2,960,556	HALLIBURTON ENERGY SERVICES, INC.	2,969,324
GIROTTO, ADRIANO	2,966,946	GRAY, MICHAEL	2,969,348	HALLIBURTON ENERGY SERVICES, INC.	2,969,328
GKINETIC ENERGY LIMITED	2,966,071	GREAT PLAINS MANUFACTURING, INCORPORATED	2,964,322	HALLIBURTON ENERGY SERVICES, INC.	2,969,416
GLATFELTER GERNSBACH GMBH	2,955,566	GREENBURG, BENJAMIN	2,969,205	HALLIBURTON ENERGY SERVICES, INC.	2,969,418
GLAUM, ROBERT	2,966,943	GRIFFING, MATTHEW C.	2,969,416	HALLIBURTON ENERGY SERVICES, INC.	2,969,512
GLAXOSMITHKLINE CONSUMER HEALTHCARE LTD	2,960,562	GROSS, DANIEL ROBERT	2,964,904	HALLIBURTON ENERGY SERVICES, INC.	2,969,522
GLOBAL SURGICAL CORPORATION	2,968,819	GRUBB, SCOTT	2,965,123	HALLIBURTON ENERGY SERVICES, INC.	2,969,621
GLOSSNER, WILLIAM	2,962,814	GRUBB, SCOTT	2,965,128	HALLIBURTON ENERGY SERVICES, INC.	2,969,207
GLOZMAN, DANIEL	2,969,093	GRUBB, SCOTT	2,965,133	HAMAGUCHI, JUN	2,960,039
GOCKE, ALEXANDER WILLIAM	2,969,226	GRUBB, SCOTT	2,965,136	HAMERS, CHRISTOPH	2,964,420
GOEBEL, MICHAEL	2,966,943	GRUBB, SCOTT	2,965,133	HAMERTON, LANCE	2,964,460
GOLDENBERG, DAVID M.	2,968,818	GRUBB, SCOTT	2,965,136	HAMMOND, SCOTT A.	2,967,118
GOLDENBERG, DAVID M.	2,968,990	GUBRA APS	2,965,560	HANDWERK, GARY	2,968,872
GOLDMANN, FELIX	2,963,829	GUI GLOBAL PRODUCTS, LTD.	2,963,087	HANES OPERATIONS EUROPE SAS	2,964,839
GOLTA, KAREL	2,967,113	GUILLARD, SANDRINE	2,967,118	HANES OPERATIONS EUROPE SAS	2,964,855
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GONZALEZ, JAIR J.	2,969,112	GUO, JIMING	2,969,143		
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GOOD TECHNOLOGY HOLDINGS LIMITED	2,962,418	GUO, ZHUYAN	2,967,532		
GOOD, FOREST	2,968,875	GUPTA, ARUN	2,968,489		
GOOD, JAMES ARTHUR DUDLEY	2,966,960	GURA, TOBIAS	2,963,457		
GOODAL, KEVIN GEORGE	2,966,844	GURNEY, AUSTIN	2,969,401		
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GORANSSON, HANS-GORAN	2,966,552	GUYARD, AURELIEN	2,963,352		
GORANSSON, HANS-GORAN	2,966,554	GVBB HOLDINGS S.A.R.L.	2,966,078		
		H. LEE MOFFITT CANCER CENTER AND RESEARCH INSTITUTE, INC.	2,969,417		
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		HACHE, RAPHAEL	2,969,146		
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HANSEN, BERND	2,964,285	HERNANDEZ, REINIER	2,968,990	HUANG, WEI HSUAN	2,969,097
HANSEN, JAMES G.	2,969,129	HERRMANN, JOHN E.	2,962,068	HUANG, WEI HSUAN	2,969,310
HANSON, BLAINE	2,969,391	HESKAMP, SANDRA	2,968,818	HUAWEI TECHNOLOGIES CO., LTD.	2,968,892
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HAO, HAO	2,963,153	HEUKEN, MARIA	2,965,228	HUAWEI TECHNOLOGIES CO., LTD.	2,969,011
HAQUE, TARANA	2,969,348	HEULENS, JEROEN	2,967,119	HUAWEI TECHNOLOGIES CO., LTD.	2,969,138
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HARIMA CHEMICALS, INCORPORATED	2,969,633	HICX, DAVID	2,969,107	HUBBELL INCORPORATED	2,968,857
HARNENING, THOMAS	2,962,477	HIDDINK, WILBERT	2,964,342	HUBBELL INCORPORATED	2,968,873
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INNERSPACE TECHNOLOGY INC.	2,968,997	JANSSEN PHARMACEUTICA NV	2,967,226	KALWA, NORBERT	2,966,674
INNO, MARKO	2,969,606	JANSSEN SCIENCES IRELAND UC	2,954,751	KAMEI, SHIN	2,969,504
INNOMIND TECHNOLOGY CORPORATION	2,969,253	JARRE, GERALD	2,959,214	KANERVA, SAMI	2,965,407
INNOTEC MOTION GMBH	2,965,876	JARRET, MARTIN	2,965,738	KANG, KAI	2,967,531
INNVENTIA AB	2,969,109	JARVI, ARI	2,968,865	KANJICKAL, DEENU G.	2,968,881
INOUE, KENGO	2,969,100	JAUBERTY, LOIC	2,965,035	KANJILAL, ANISHA	2,969,188
INOUE, KOSUKE	2,969,633	JAUBERTY, LOIC	2,965,037	KANJILAL, SANJEEVAN	2,969,188
INOUE, SAYAKA	2,968,351	JBT B&BS B.V.	2,965,613	KAPSCH TRAFFICOM AB	2,967,138
INOVIO PHARMACEUTICALS, INC.	2,969,214	JELSING, JACOB	2,965,560	KARCHER, JEFFREY DWANE	2,969,328
INSTITUT DE RECERCA CONTRA LA LEUCEMIA JOSEP CARRERAS	2,953,272	JENNI, HANS-RUDOLF	2,969,107	KARDOK, DAVID A.	2,964,382
INSTITUT MINES TELECOM	2,962,864	JENNINGS, JAMES ROBERT	2,968,701	KARDOK, DAVID A.	2,964,383
INTERMEDIA.NET, INC.	2,969,571	JEONG, SEONG HEON	2,962,109	KARLSTROM, CHRISTIAN	2,967,138
INTERVET INTERNATIONAL B.V.	2,967,532	JEREZ, HERNANDO	2,969,211	KARNES, G. JOSHUA	2,968,833
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INTRA-CELLULAR THERAPIES, INC.	2,969,597	JESPERSEN, KLAUS	2,966,264	KAROS, MARVIN	2,965,228
INVENTIO AG	2,965,049	JEWETT, SCOTT E.	2,918,558	KARPOV, ANDREY	2,966,943
INVENTIO AG	2,965,050	JFE STEEL CORPORATION	2,969,200	KASOWSKI, ROBERT VALENTINE	2,969,239
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INVENTIO AG	2,966,478	JI, TINGFANG	2,962,839	KATHER, DANIEL	2,966,775
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IUCHI, HIROTOSHI	2,969,306	JIN, SHENGWEN	2,969,101	KAULFUSS, STEFAN	2,965,201
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IVANI, LLC	2,963,345	JOBST, FRAU ANNETTE	2,957,824	KBA-NOTASYS SA	2,962,878
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IWAI, ATSUSHI	2,969,103	JOHANNISON, ULF	2,960,039	KEENE BUILDING PRODUCTS CO., INC.	2,964,482
IYER, RADHIKA	2,969,540	JOHANSEN, FREDRIK	2,958,734	KEENE, JAMES R.	2,964,482
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JACKERING, HERMANN- JOSEF	2,960,077	JOHNSON, BRIAN B.	2,965,136	KELLY, JAMES	2,969,436
		JOHNSON, KEITH	2,969,590	KERANEN, OLLI	2,960,422
		JOHNSON, MARK THOMAS	2,963,163	KESTI, MATTI	2,967,162
		JOHNSON, STEVEN	2,965,483	KETOLA, KURT S.	2,962,978
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		JONES, PAUL JOSEPH	2,969,328	KIKUTA, TAKASHI	2,968,800
		JORGENSEN, BRETT HAROLD	2,969,574	KILDEGAARD, CASPER	2,966,266
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				KILIAN, DIETER	2,963,899
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				KIM, JAEHYUNG	2,963,063
				KIM, MITCHELL	2,968,369

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KLINT, KNUD ERIK	2,958,615	KRIZ, PAVEL	2,965,491	LECHERT, FRANK	2,966,062
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KMIEC, CHESTER J.	2,969,005	KRUSE, STEVE D.	2,969,316	LEE, SEUNGMIN	2,962,388
KNAPP, THOMAS ALEXANDER	2,968,408	KUBO, YUKIO	2,969,088	LEE, TING-YIM	2,969,140
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KOENIG, JOSEPH B.	2,968,881	L.I.F.E. CORPORATION S.A.	2,965,884	LEO PHARMA A/S	2,953,284
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KOLAK, LEWIS	2,961,128	LABARGE, JEREMY	2,966,718	LERCHL, JENS	2,967,530
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KOLLIN, THOMAS HOLTEN	2,961,832	LAFEVER, MARK	2,968,677	LEROY, JEAN YVES	2,966,590
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KONINKLIJKE PHILIPS N.V.	2,968,607	LAKOMSKI, DAVID M.	2,962,978	LEVITATION SCIENCES LLC	2,969,116
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KOREN PINTO, SHAHAR	2,968,812	LAMBERTI SPA	2,966,794	LG ELECTRONICS INC.	2,963,063
KOSEKI, KOICHI	2,969,100	LAMPO, PIERRE-YVES	2,965,998	LI BASSI, GIUSEPPE	2,966,794
KOSEL, DAVID	2,966,671	LANCON, ETIENNE	2,959,464	LI, BIN	2,968,892
KOSTRUBIAK, OLENA	2,969,099	LAND, INGMAR RUDIGER	2,969,344	LI, CHIANG J.	2,968,987
KRAFCHYK, STEPHAN	2,963,457	LANDMARK GRAPHICS CORPORATION	2,969,098	LI, GANG	2,969,540
KRAFT FOODS GROUP BRANDS LLC	2,969,243	LANDMARK GRAPHICS CORPORATION	2,969,101	LI, LEI	2,968,886
KRAKERS, BERNARDUS ANTONIUS JOHANNES	2,965,613	LANG, TOBIAS	2,969,186	LI, PENG	2,969,594
KRAMER, CAMERON THOMAS	2,969,316	LANGEVIN, REBECCA ANN	2,964,973	LI, PENG	2,969,597
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KRAMER, RACHEL MARIE	2,969,316	LAPERSONNE, PHILIPPE	2,967,157	LI, YIYU	2,969,230
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		LAURSEN, JENS ULRICH	2,966,266	LIESBROCK, BERND	2,959,744
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LITMER, LAVERN C.	2,963,880	LYONS, AARON MICHAEL	2,969,127	MASADA, GWYNN	2,965,131
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LIU, CHENGXUN	2,967,135	MACKERT, MICHAEL	2,965,876	MASCIANTONIO, UGO	2,965,394
LIU, HONGJIE	2,966,721	MACKEY, ANTHONY MICHAEL	2,969,102	MASSEY, ALAN ERNEST	2,960,081
LIU, HONGJIE	2,966,790	MACKEY, STEVEN	2,965,123	MASSO-VALLES, DANIEL	2,968,866
LIU, LI	2,968,347	MACKEY, STEVEN	2,965,128	MASSON, STEPHANE	2,958,108
LIU, PHILLIP	2,969,131	MACKEY, STEVEN	2,965,133	MASSON, STEPHANE	2,962,302
LIU, WENLI	2,969,209	MACKEY, STEVEN	2,965,136	MASSUEGER, LARS	2,965,506
LIU, XIAOHUI	2,969,143	MADAPPA, SHASHI	2,962,228	MATEI, VERONIKA	2,966,604
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LIUZZA, MARIO	2,965,136	MADLAND, STEVEN MICHAEL	2,968,677	MATSUMOTO, SHUHEI	2,969,409
LIVDAHL, CHRIS R.	2,965,700	MADLAND, STEVEN MICHAEL	2,968,935	MATSUMOTO, SHUHEI	2,969,409
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LM WP PATENT HOLDING A/S	2,966,239	MAHDAVI, JAFAR	2,957,790	MATSUMURA, TOMIO	2,969,100
LM WP PATENT HOLDING A/S	2,966,264	MAHE, ANTHONY BERTRAND PATRICK	2,962,513	MATSUO, MOTOAKI	2,969,193
LM WP PATENT HOLDING A/S	2,966,266	MAHLER, HANNS-CHRISTIAN	2,967,194	MATSUO, TOSHIHIKO	2,968,940
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LOHMEIJER, BASTIAAN	2,966,678	MAJEED, BIVRAGH	2,967,135	MATUD, JOSE	2,968,851
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LOHRMANN, MICHAEL	2,966,775	MALENTAQUE, CELIO	2,962,302	MAUCLAIR, CYRIL	2,964,043
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MEHTA, GAURANG PANKAJ	2,962,649	INDUSTRIES, LTD.	2,969,634	MUNETSUGU, HIROYUKI	2,969,088
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LTD.	2,969,192	SYSTEMS		MUNKSJO OYJ	2,956,766
MEISENHEIMER, RICHARD		ENVIRONMENTAL		MUNOZ RISUENO, RUTH	2,953,272
DANIEL MATTHIAS	2,959,963	SOLUTIONS, LTD.	2,969,190	MUNZENBERGER, HERBERT	2,962,764
MEISTER, GLENNA	2,968,939	MITSUBISHI MATERIALS		MURAKAMI CORPORATION	2,969,195
MELLER, LANCE	2,969,118	CORPORATION	2,968,940	MURAMOTO, YOSHIFUMI	2,969,509
MENDEL, ITZHAK	2,968,790	MIYAWAKI, TAKUMA	2,969,016	MURASE, YOSHIHIRO	2,969,312
MENG, XIONGFEI	2,962,779	MIYOSHI, KAZUHIKO	2,969,207	MURATA, AKIRA	2,958,489
MENON, BIJOY K.	2,969,140	MIZOJIRI, RYO	2,968,935	MURILLO Y PACIFICO,	
MERCK PATENT GMBH	2,966,397	MODI, MANISH	2,969,094	CANDIDO	2,966,799
MERCK PATENT GMBH	2,966,764	MODI, MANISH	2,969,095	MURILLO, ARLENE	
MERIAL, INC.	2,966,191	MODLICH, JESSICA DIANE	2,968,529	GABRIANA	2,969,094
MERLE, GREGORY	2,965,448	MOFFETT, ROBERT	2,966,245	MURILLO, ARLENE	
MERLI, LUIGI	2,966,794	MOHAMMED, AFZAL-UR-		GABRIANA	2,969,095
MERLO, P. ANN OWENS	2,969,617	RAHMAN	2,965,193	MURKUNDE, ROHAN	
MERMOD, NICOLAS	2,959,464	MOINICHEN, JORGEN	2,958,734	GOVIND	2,966,844
MERTEN, CHRISTOPH	2,962,482	MOLAWI, KIAN	2,969,186	MURPHY, MICHAEL	2,964,855
MERZ DENTAL GMBH	2,968,468	MOLINER, LUCIO	2,966,789	MURPHY, VINCENT J.	2,968,981
MESS, FRANCIS M.	2,969,343	MOLINER, LUCIO	2,966,946	MUSTON, SHAUN	
METAVENTION, INC.	2,969,129	MOLLES, GUILHEM	2,963,443	CHRISTOPHER	2,969,118
METRIOPHARM AG	2,966,671	MOLNLYCKE HEALTH CARE		MUTALIK, VENKATESH G.	2,963,240
METZLER, BJORN	2,953,284	AB	2,960,039	MUTHUMANI, KARUPPIAH	2,969,214
MEYER, THERESA M.	2,969,381	MONTEJO MENDEZ,		NA, SONGQING	2,959,551
MHT MOLD & HOTRUNNER		CRISTINA	2,963,029	NADA, MASAHIRO	2,969,509
TECHNOLOGY AG	2,954,824	MONTENEGRO, ALEJANDRO	2,969,546	NADAV, TAL	2,968,803
MICHAUT, ANTOINE		MONTY, NATHAN P.	2,968,841	NAGAYASU, HIROMITSU	2,969,190
BENJAMIN	2,954,751	MOOG UNNA GMBH	2,967,528	NAGRAVISION S.A.	2,962,833
MICHELIN RECHERCHE ET		MOORE, BRIAN H.	2,968,996	NAKAGAWA, TAJI	2,969,306
TECHNIQUE S.A.	2,969,106	MOORING, EDWARD T.	2,969,422	NAKAJIMA, FUMITO	2,969,509
MICHELMANN, FOLKE	2,965,419	MORA, ELIE GABRIEL	2,962,864	NAKAMURA, NAOMICHI	2,969,511
MICRO IMPACT MILL		MORAN, ADRIAN	2,960,422	NAKASHIMA, TOMONORI	2,968,351
LIMITED	2,963,764	MORARU, GEORGE	2,965,394	NAKATANI, HAJIME	2,969,091
MICRO-POISE		MORICI, JOHN L.	2,968,834	NALLA, VIPAN REDDY RAJA	2,969,517
MEASUREMENT		MORROW, MARK S.	2,963,880	NANAYAKKARA, RAVI P.	2,968,952
SYSTEMS, LLC	2,969,126	MORTARINO, ENRICO	2,969,563	NANDOLA, NARESHKUMAR	2,968,489
MICROSOFT TECHNOLOGY		MORTON, EDWARD JAMES	2,968,865	NATIONAL MACHINE	
LICENSING, LLC	2,965,694	MORTUN, SORIN IOAN	2,968,873	COMPANY	2,964,150
MICROSOFT TECHNOLOGY		MOTOMURA, ASAKO	2,968,347	NATIONAL OILWELL VARCO,	
LICENSING, LLC	2,965,699	MOTOROLA SOLUTIONS, INC.	2,962,068	L.P.	2,967,819
MICROSOFT TECHNOLOGY		MOTTA, ROSSANA	2,969,129	NATIONAL UNIVERSITY	
LICENSING, LLC	2,965,700	MOULLIER, PHILIPPE	2,953,187	CORPORATION	
MICROSOFT TECHNOLOGY		MOUSSAIF, NOUREDDIN	2,965,230	HOKKAIDO UNIVERSITY	2,969,024
LICENSING, LLC	2,965,706	MOUTON, JACOBUS		NATUREZA, INC.	2,968,824
MICROSOFT TECHNOLOGY		FREDERICK	2,968,877	NAVE, BARBARA	2,966,562
LICENSING, LLC	2,965,708	MOWER, MORTON M.	2,968,868	NAYLOR, ALAN ROBERT	2,965,875
MIEGEVILLE, YANN	2,969,037	MOYA, WILSON	2,966,764	NAYYAR, RAKESH KUMAR	2,969,078
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MITCHELL, PAT	2,969,216	MULLER, MALTE	2,965,557	NELSON, ERIK JULIAN	2,969,316
MITSUBISHI ELECTRIC		MULLER, MALTE	2,966,775	NELSON, PATRICK LEE	2,964,382
CORPORATION	2,969,091	MULLER, MICHAEL	2,967,162	NELSON, PATRICK LEE	2,964,383
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NESTEC S.A.	2,969,609	NUCCITELLI, RICHARD LEE	2,969,427	OZO INNOVATIONS LTD	2,960,564
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NEUMULLER, NORBERT	2,960,558	O'DONNELL, DAIRE	2,966,801	PALISSOT, VALERIE	2,959,703
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NEW YORK UNIVERSITY	2,969,463	O'MALLEY, EDWARD J.	2,965,510	PAN, YUANCHENG	
NGUYEN, CHAU	2,965,531	O'NEILL, CHARLES EVAN	2,965,127	CHRISTOPHER	2,962,779
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NICOVENTURES HOLDINGS LIMITED	2,964,844	OCAMPO, FABIEN	2,966,560	SATYANARAYAN	2,969,170
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NIESSEN, MARKUS	2,967,127	OCON MEDICAL LTD.	2,968,799	PAPSTEIN, ROBERT RICHARD	2,968,857
NIEWCZAS, MATEUSZ MAREK	2,969,094	ODAI, YOSHIAKI	2,969,091	PAREJA GOMEZ, JOSEP	2,959,954
NIEWCZAS, MATEUSZ MAREK	2,969,095	OETTER, GUNTER	2,967,158	PARISH, DAVID WARREN	2,964,904
NII, NORIYUKI	2,968,935	OGAMI, YUKI	2,969,398	PARK, CHEOL HEE	2,969,143
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NIPPON TELEGRAPH AND TELEPHONE CORPORATION	2,969,504	OGON, MICHAEL	2,956,681	PASCAL, JEROME	2,965,371
NIPPON TELEGRAPH AND TELEPHONE CORPORATION	2,969,509	OHLSSON, FREDRIK	2,967,160	PASDA, GREGOR	2,966,562
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NISSIN, FELIX	2,961,854	OHTAKE, NAOTAKA	2,966,560	PATEL, RAJEN	2,965,497
NISSHIN SEIFUN GROUP INC.	2,969,204	OI, KAZUMI	2,969,309	PATEL, SONAL	2,965,780
NISSHIN STEEL CO., LTD.	2,968,932	OI, KAZUMI	2,969,317	PATIENT WELLNESS MONITOR LLC	2,969,203
NISSMAN, CHRIS	2,963,342	OIL-RITE CORPORATION	2,969,119	PATIL, ABHISHEK PRAMOD	2,963,155
NISSMAN, CHRISTOPHER	2,963,345	OKABE, MASAMI	2,969,100	PATNANA, VIJAYA KUMAR	2,969,621
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NOGAMI, GENKI	2,969,193	OKUNO, TAKUYA	2,968,347	PAVLIK, PETER	2,967,118
NOK CORPORATION	2,969,199	OLESEN, SINE ELLEMANN	2,969,362	PAVMED INC.	2,969,448
NOMURA, MITSUO	2,969,204	OMYA INTERNATIONAL AG	2,966,055	PAVMED INC.	2,969,579
NOPCO PAPER TECHNOLOGY GMBH	2,964,665	ONCOMED PHARMACEUTICALS, INC.	2,969,401	PAX, BENJAMIN MICHAEL	2,968,408
NORDBERG, HENRIK	2,959,949	ONE WORLD CANNABIS LTD	2,968,929	PAYMAXS LTD.	2,968,812
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NOTZ, RALF	2,959,700	OREBOM, ALEXANDER	2,965,276	PE@RL	2,965,037
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NOVARTIS AG	2,963,020	ORMEROD, DOMINIC	2,961,693	PEDERSEN, SOREN	
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		OSATO, KEN	2,958,489	PEDERSEN, STEVEN HAUGE	2,966,239
		OSLER, JONATHAN	2,967,514	PEDRENO, JEAN-MARC	2,966,295
		OSLER, JONATHAN	2,967,516	PEETERS, ANNA-LOUISA	2,956,339
		OSTERMEIER, MARC	2,968,939	PEGEL, SVEN	2,965,855
		OTA, NAOKI	2,969,135	PEKMEZCI, MEHMET AKIF	2,965,440
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RICHTER, THOMAS	2,963,829	ROWE, JONATHAN	2,968,980	SCAGLIOLA, GIOVANNI	2,966,799
RIDA, AMAR	2,959,464	ROWE, MATHEW DENNIS	2,968,953	SCALE PROTECTION AS	2,969,313
RIDEOUT, JAN	2,967,522	ROWE, MATHEW DENNIS	2,969,234	SCARLESKI, WILLIAM J.	2,969,116
RIDEOUT, JAN	2,967,523	ROYAL HOLLOWAY AND BEDFORD NEW COLLEGE	2,953,187	SCHAFFER, AUGUST WILHELM	2,965,580
RIDEOUT, JAN	2,967,527	RUBINSTEIN, DAVID	2,961,670	SCHAFFER, DIRK	2,967,082
RIEDEL, PETER	2,963,020	RUBIO GIVERNAU, JOSE LUIS	2,964,288	SCHATTE, MARTIN	2,966,287
RIEGER, REINHOLD	2,966,807	RUSALI, RUDY HARYANTO	2,960,081	SCHAWBEL TECHNOLOGIES LLC	2,969,219
RIEKE, MALCOLM	2,963,232	RUSH UNIVERSITY MEDICAL CENTER	2,969,228	SCHEMMANN, MARCEL F.	2,963,240
RIELEY, HUGH	2,967,514	RUST, MATTHEW HOWARD	2,969,316	SCHENKER, ACHIM	2,964,665
RIELEY, HUGH	2,967,516	RUST, STEVEN	2,967,118	SCHENKER, MICHEL	2,966,055
RIGATTI, ROBERTO	2,967,525	RUTSTEIN, MARK D.	2,961,295	SCHEPER, RON	2,969,351
RIJPKEMA, MARK	2,968,990	RUTTLEY, DAVID J.	2,968,844	SCHEPIS, ERIC ANTHONY	2,966,197
RIO TINTO ALCAN INTERNATIONAL LIMITED	2,969,558	RXI PHARMACEUTICALS CORPORATION	2,969,590	SCHERF, SILVIO	2,964,224
RIOS-DORIA, JONATHAN	2,967,118	RYAN, STEPHEN	2,965,188	SCHERMANZ, KARL	2,959,221
RIPLEY, ANTHONY J.	2,969,107	RYDER, JOHN C.	2,969,126	SCHICHL, MARKUS	2,965,419
RISCUTIA, VLAD	2,965,699	S&C ELECTRIC COMPANY	2,969,546	SCHILDER, JOHANNES JACOBUS MARIA	2,969,497
RITZE, JOHN	2,968,983	S.I.P.A. SOCIETA INDUSTRIALIZZAZIONE PROGETTAZIONE E AUTOMAZIONE S.P.A.	2,963,164	SCHILDKNECHT, LAURENT	2,956,663
RIZZI, ENRICO	2,959,950	SAADI, SOUHEIL	2,960,919	SCHILDKNECHT, LAURENT	2,956,766
ROADTEC, INC.	2,969,544	SABELLI, ANTHONY J.	2,969,534	SCHILLER SPORTS, INC.	2,969,510
ROBERSON, BRIAN A.	2,969,416	SABERHWAL, AMIT	2,960,562	SCHILLER, JUDAH	2,969,510
ROBERT BOSCH GMBH	2,963,303	SACHSENMEIER, KRIS	2,967,118	SCHINABECK, MICHAEL	2,965,440
ROBERT BOSCH GMBH	2,966,676	SAFRAN AIRCRAFT ENGINES	2,965,396	SCHLANGEN, ADAM J.	2,969,107
ROBINSON, DELBERT	2,969,425	SAFRAN POWER UNITS	2,965,086	SCHLEIF, ANDREW C.	2,969,107
ROBUST SEED TECHNOLOGY A&F AKTIEBOLAG	2,965,402	SAGAR, AMOD	2,959,221	SCHMID, MARKUS	2,969,186
RODRIG, MAYA	2,965,699	SAINT-GOBAIN GLASS FRANCE	2,962,211	SCHMIDT, ALFRED	2,957,484
RODRIGUES DE ARAUJO, BRUNO	2,965,733	SAINT-GOBAIN PLACO	2,967,522	SCHMIDT, CHRISTIAN	2,962,671
ROGERS, ARPI	2,967,140	SAINT-GOBAIN PLACO	2,967,523	SCHMIDT, DAVID	2,969,519
ROBERT BACIGALUPO, MARIA CANDELARIA	2,967,525	SAINT-GOBAIN PLACO	2,967,524	SCHMIDT, ULRICH	2,963,829
ROHATI, VIVEK	2,965,335	SAINT-GOBAIN PLACO	2,967,527	SCHMITZ, ANDREAS	2,966,943
ROLAND, ALBEN D.	2,969,516	SAKAMOTO, STEPHEN	2,968,941	SCHNEIDER, KARL-HEINRICH	2,969,186
ROLFS, ARNDT	2,967,504	SAKSENA, ATUL	2,965,534	SCHNEIDER, MARK D.	2,965,293
ROMAN, EDWARD	2,968,875	SAKURAZAWA, CHIHIRO	2,968,940	SCHNEIDER, PETER	2,969,535
ROOS, ANDREAS	2,966,051	SALBATO, JARED	2,969,609	SCHNEIDER, PETER	2,969,538
ROOVERS, WILLIAM ADRIANUS CORNELIS	2,961,128	SALEEM, SYED KHUSRO	2,968,883	SCHNEIDER, ULRICH	2,959,214
ROSA, MONICA	2,966,801	SALEM, YANIV	2,968,790	SCHOLL, FRANK	2,963,303
ROSENBERGER HOCHFREQUENZTECHNI K GMBH & CO. KG	2,962,671	SALLA, RAJENDER	2,969,522	SCHONBAUER, NORBERT	2,963,950
ROSENBERGER HOCHFREQUENZTECHNI K GMBH & CO. KG	2,963,290	SALOMAN, CHRISTOPHER	2,964,028	SCHONEBORN, MARCOS	2,962,477
ROSENBERGER HOCHFREQUENZTECHNI K GMBH & CO. KG	2,965,419	SAMEC, JOSEPH	2,965,276	SCHONY, GERHARD	2,966,244
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ROSENHEIMER, AMIR	2,968,812	SANCHEZ, JAMES S.	2,965,510	SCHOTT, SEVERINE	2,956,766
ROSENTHAL, KIM	2,967,118	SANCHO, PAULA	2,958,107	SCHROEDER, ERIC	2,960,315
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ROTH, MATHIAS	2,965,006	SANKARARAMAN, SANDEEP	2,963,290	SCHULTZ, PETER G.	2,968,874
		SARAGOVI, URI H.	2,968,995	SCHULZ-HANKE, WOLFGANG	2,962,764
		SARDESAI, NIRANJAN	2,969,214	SCHUMACHER, JENNIFER F.	2,969,534
		SARGENT, CAROLYN YEAGO	2,966,197	SCHUNK, STEPHAN A.	2,966,943
		SARPAL, DEEPAK K.	2,969,425	SCHUSTER, ALEXANDER	2,965,419
		SASOL GERMANY GMBH	2,962,477	SCHUSTER, MATTHIAS	2,959,214
		SATO, HIDENORI	2,969,195	SCHWARTZ, JONATHAN D.	2,961,295
		SATO, MASAOKI	2,969,088	SCOLA, MICHAEL J.	2,968,971
				SCOTT, PAUL M.	2,962,317
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				SEBODE, HANNA	2,959,963
				SEBREE, BRUCE	2,969,628

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SEIFERT, SUSAN	2,964,420	SHENZHEN BORU ENVIRONMENTAL TECHNOLOGY CO., LTD.	2,969,356	SJOSTEDT, OSKAR	2,967,160
SEIFRIED, FABIAN	2,964,224	SHI, RONGTAO	2,969,001	SKUBICH, ALEXIS	2,965,738
SEKO, TAKAHIRO	2,969,312	SHIMATANI, YUKO	2,969,100	SKUDAS, ROMAS	2,966,764
SELA, GAL	2,968,917	SHIMIZU, HITOMI	2,969,100	SLIM GEVONDEN B.V.	2,965,471
SELEXIS S.A.	2,959,464	SHIMIZU, MOTOHISA	2,969,197	SLOWIK, STEVEN C.	2,968,971
SELLA, JAMES MICHAEL	2,963,243	SHIMIZU, YASUNORI	2,969,333	SMEE, JOHN EDWARD	2,962,839
SELLA, WILLIAM THOMAS	2,963,243	SHIMONI, AMIR	2,969,094	SMITH, IAIN	2,959,214
SENARATH, NIMAL GAMINI	2,969,138	SHIMONI, AMIR	2,969,095	SMITH, SCOTT RAYMOND	2,969,129
SENNF, OSCAR	2,969,391	SHIOYA, KOICHIRO	2,969,100	SMITH, THOMAS M.	2,965,116
SENGER, TORALF	2,967,128	SHISHATSKIY, SERGEY	2,950,829	SMITH, TIMOTHY RAYMOND	2,969,118
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SENGER, TORALF	2,967,136	SHKEL, YANINA	2,969,534	SNOOK, DEREK	2,965,699
SENTILHES CHOU, GABRIELLE	2,968,924	SHOEMAKER, JAMES A.W.	2,968,981	SNOOK, DEREK V.	2,965,700
SEO, HANBYUL	2,962,388	SHORT, GLYN DAVID	2,968,701	SNYDER, GRETCHEN	2,969,594
SEO, NEUNGSEON	2,959,551	SHRIVASTAVA, DHAIRYA	2,963,096	SNYDER, GRETCHEN	2,969,597
SEPP, S.R.L.	2,969,374	SHUKLA, ASHUTOSH	2,960,562	SOCIETE BIC	2,965,270
SERAFIN, DANIEL JOHN	2,964,904	SHULLER, SEBASTIEN	2,966,590	SODD, VINCENT JOSEPH	2,964,465
SERDAR, DAVID J.	2,969,205	SHUMWAY, CHRISTOPHER	2,965,483	SODERSTROM, BENGT	2,960,039
SERNA GUERRERO, RODRIGO IVAN	2,966,807	SHURTLEFF, DAVID J.	2,964,382	SOFTCELL BIOLOGICAL RESEARCH, LLC	2,969,245
SERRATO, MICHAEL G.	2,968,842	SHURTLEFF, DAVID J.	2,964,383	SOHANPAL, TIRATH SINGH	2,968,685
SETO, JULIE	2,965,699	SIBUET, JEAN-PHILIPPE	2,965,090	SOKOLOVSKII, VALERY	2,968,981
SEYA, TSUKASA	2,969,024	SIEDE, DANIEL	2,961,257	SOLAZZO, ANTHONY	2,969,203
SHAEVITZ, GEOFF	2,968,369	SIEDE, DANIEL	2,961,334	SOLVAY ACETOW GMBH	2,957,812
SHAH, CHINTAN SHIRISH	2,969,143	SIEDER, GEORG	2,959,700	SOLVAY ACETOW GMBH	2,967,157
SHAH, FAISAL F.	2,969,416	SIEGFRIED, DAVID L.	2,968,983	SON, SEBASTIEN	2,959,652
SHAH, PRAVIN	2,966,721	SIEMENS		SONETER, INC.	2,968,991
SHAH, PRAVIN	2,966,790	AKTIENGESELLSCHAFT SIEMENS	2,963,950	SONETER, INC.	2,969,343
SHAHIDI, REZA	2,969,143	AKTIENGESELLSCHAFT SIEMENS	2,964,833	SONG, RENCHENG	2,969,310
SHAKESPEARE, WALTER JEFFREY	2,968,996	AKTIENGESELLSCHAFT SIEMENS	2,965,556	SONMEZ, BARIS	2,966,235
SHANGHAI SINCOL FURNITURE PRODUCTS CO., LTD.	2,969,261	AKTIENGESELLSCHAFT SIEMENS	2,966,811	SONOBE, AKIO	2,969,511
SHANNON, GARY MARTIN	2,965,875	AKTIENGESELLSCHAFT SIEMENS SCHWEIZ AG	2,963,162	SORIAGA, JOSEPH BINAMIRA	2,962,839
SHANNON, ROBERT W.	2,969,534	SIEMERS, TROY MICHAEL	2,969,316	SOTNIKOV, MIKHAIL	2,968,885
SHARMA, PRADEEP KUMAR	2,969,230	SIEMS, JENS	2,966,674	SOTNIKOV, MIKHAIL	2,968,887
SHARON, SIMON	2,969,093	SIGMOID PHARMA LIMITED	2,966,801	SOTOMAYOR, EDUARDO M.	2,969,417
SHARON, YOAV	2,969,546	SIGNALFX, INC.	2,969,131	SOTRO FINANCIAL INC.	2,969,374
SHARP KABUSHIKI KAISHA	2,969,342	SILK THERAPEUTICS, INC.	2,969,563	SOUBIRANE, ALAIN	2,964,295
SHAUGHNESSY, MICHAEL C.	2,968,834	SILKWOOD, DOUGLAS S.	2,963,096	SOUCEK, LAURA	2,968,866
SHAW, HAN-YI	2,965,699	SILVESTRINI, PATRICK CHARLES	2,963,722	SOULIE, LAURENT	2,965,086
SHAW, HAN-YI	2,965,700	SIMERZIN, ALINA	2,969,336	SOULTANAS, PANOS	2,957,790
SHEERIN, ROBERT	2,968,983	SIMMONS, WILLIAM H.	2,968,825	SOURCE PRODUCTION & EQUIPMENT CO., INC.	2,962,948
SHEETRIT, EYAL	2,968,926	SIMON, SEBASTIAN	2,962,764	SOUTHERN INNOVATION INTERNATIONAL PTY LTD	2,968,883
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	2,957,473	SIN, WAI PING	2,959,693	SPANGE, STEFAN	2,964,420
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	2,966,244	SINAI, ALON	2,968,929	SPATIAL INFORMATION SYSTEMS RESEARCH LIMITED	2,969,552
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	2,967,209	SINGH, ABHIJEET	2,965,826	SPIESS, ROUVEN	2,965,234
SHEN, HUI	2,968,892	SINGH, PARAMJIT	2,969,079	SPLIFAR	2,966,799
SHEN, TONGYUN	2,965,402	SINGH, SHARAT	2,969,609	SPRACHMANN, GERALD	2,966,244
SHENZHEN BORU ENVIRONMENTAL TECHNOLOGY CO., LTD.	2,969,354	SINGH, SUMAN KUMAR	2,969,386	SPRAYING SYSTEMS MANUFACTURING EUROPE GMBH	2,963,017
		SINGLE BUOY MOORINGS INC.	2,965,551	SPRAYING SYSTEMS MANUFACTURING EUROPE GMBH	2,963,894
		SIRIN, ZEKERIYA	2,966,235		
		SIRIPURAPU, SRINIVAS	2,969,516		
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		SIRVEAUX, FRANCOIS	2,969,436		
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STAAL, MAARTEN	2,969,186	SUN, YABIN	2,969,002	THE COMPOST BAG COMPANY	2,966,088
STAHL, RAINER	2,965,234	SUNCOAL INDUSTRIES GMBH	2,957,461	THE FEINSTEIN INSTITUTE FOR MEDICAL RESEARCH	2,969,425
STANDARD KNAPP INC.	2,964,382	SUNDERMANN, ANDREAS	2,966,943	THE JOHNS HOPKINS UNIVERSITY	2,968,939
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STANKIEWICZ, BRIAN J.	2,969,534	SVANEBJERG, ELO	2,965,087	THE PROCTER & GAMBLE COMPANY	2,964,465
STARFORT DES STUBENRUSS MORITZ	2,957,123	SWEENEY, SHAYNE MIKEL	2,969,353	THE PROCTER & GAMBLE COMPANY	2,964,973
STARKE, JOHANNES	2,966,955	SWISSLOG LOGISTICS, INC.	2,969,216	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	2,969,145
STARLINGER & CO GESELLSCHAFT M.B.H.	2,960,558	SYLVAN SOURCE, INC.	2,969,227	THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY	2,968,995
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STAUB, RENE	2,965,234	SYNAPTIVE MEDICAL (BARBADOS) INC.	2,968,917	THE SCRIPPS RESEARCH INSTITUTE	2,969,220
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STEVENS, RAYMOND E.	2,969,405	TAKEMOTO, TADASHI	2,969,633	THIEME, WOLFGANG	2,964,028
STEVENSON, ERIC ROBERT	2,962,125	TALWAR, TINA	2,968,846	THIERS, EUGENE	2,969,227
STIEBER, MANFRED	2,963,457	TAN, KYLA	2,969,348	THOMANN, JEAN-SEBASTIEN	2,959,703
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STONEBACK, DEAN	2,963,240	TANAKA, YUKIO	2,969,634	THOMPSON, MARK A.	2,969,617
STORK THERMEQ B.V.	2,962,125	TANG, SHANDE	2,961,295	THOMSON, GORDON	2,965,531
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STRICKROTH, ALAIN	2,958,732	TANIGUCHI, MITSUGU	2,969,193	THULE CANADA INC.	2,969,079
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SUGANUMA, YOUHEI	2,969,317	TENA, ALBERTO	2,950,829		
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TINSLEY, JACK	2,967,158	UMICORE	2,967,119	HENRIETTE	2,956,339
TIONE, ROBERTO	2,965,596	UMICORE AG & CO. KG	2,958,108	VANDERAH, RICHARD J.	2,962,952
TIPTON, RODNEY	2,969,216	UMICORE AG & CO. KG	2,962,302	VANDERLINDEN, ERIK	2,966,088
TITLBACH, SVEN	2,966,943	UNEMOTO, ATSUSHI	2,969,193	VANGALA, PATTABHI	2,964,435
TIWARI, NEERAJ D.	2,962,952	UNILEVER PLC	2,956,339	VANLUCHENE, YVAN	2,963,169
TOAL, NICHOLAS	2,968,819	UNILEVER PLC	2,966,721	VANSKA, KLAUS	2,965,407
TOHOKU TECO ARCH CO., LTD.	2,969,193	UNILEVER PLC	2,966,790	VASCULAR BIOGENICS LTD.	2,968,790
TOM, ALBERT	2,965,577	UNILEVER PLC	2,967,514	VAZQUEZ-CINTRON, EDWIN	2,969,463
TOMANI, PER	2,969,109	UNILEVER PLC	2,967,516	VELICEPT THERAPEUTICS, INC.	2,969,405
TOMBA, JUAN P.	2,969,374	UNISENSOR SENSORSYSTEME GMBH	2,957,484	VENKATESAN, SRIRAM	2,969,112
TOMITA, DAISUKE	2,968,935	UNITED STATES GYPSUM COMPANY	2,965,483	VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT	2,960,697
TOMPKIN, WAYNE ROBERT	2,965,234	UNIVERSAL STABILIZATION TECHNOLOGIES, INC.	2,968,954	VEPAK AS	2,958,734
TONDU, THOMAS	2,962,211	UNIVERSIDADE ESTADUAL DE MARINGA	2,966,985	VERTE, FABIENNE	2,966,814
TONG, WENYONG	2,968,995	UNIVERSITAT ZU KOLN	2,959,963	VESTERGAARD COMPANY A/S	2,965,087
TONISSEN, SHANE	2,968,883	UNIVERSITE DE LORRAINE	2,959,652	VESTERGAARD, STEFAN	2,965,087
TOPINKA, JOHN B.	2,969,243	UNIVERSITE JEAN MONNET SAINT ETIENNE	2,964,043	VETTUKATTIL, JOSEPH JOHN	2,960,333
TORDY, ROBERT	2,967,129	UNIVERSITY HEALTH NETWORK	2,969,251	VIART, GUY	2,966,590
TORGERSON, DAVID R.	2,968,985	UNIVERSITY OF SOUTH AUSTRALIA	2,969,344	VICENTE GARCIA, ANA ISABEL	2,963,029
TORNIER	2,969,436	UNNIRAMAN, SHYAM	2,968,987	VICUM, LARS	2,966,807
TORRES CARPIO, JOSEP	2,964,679	UPADHYAY, ALOK	2,969,065	VIDAL, CARMEN CANOVAS	2,969,513
TOSCHI, FRANCESCO	2,965,555	URBAN MINING CORP B.V.	2,968,810	VIDYASAGAR, SADASIVAN	2,968,831
TOSHIBA LIFESTYLE PRODUCTS & SERVICES CORPORATION	2,969,202	US FIRE PUMP COMPANY, L.L.C.	2,968,872	VIEIRA, AMARILDO	2,963,240
TOTI, GIULIA	2,969,098	US SYNTHETIC CORPORATION	2,969,112	VIEW, INC.	2,963,096
TOUR, JAMES M.	2,968,886	USIN, JALVAR	2,969,606	VILARES SANTOS CONDE, SILVIA MARGARIDA	2,965,780
TOWNSEND, CARL W.	2,962,978	USIN, RAIDO	2,969,606	VIND, JESPER	2,966,292
TOYOBO CO., LTD.	2,969,103	UTHARALA, RAMESH	2,962,482	VISEUR, BRUNO	2,964,206
TRADEWELL, MICHAEL BENNETT	2,969,316	UTS BIOGASTECHNIK GMBH	2,966,308	VISSCHER, EDZE JAN	2,967,114
TRAEGER PELLET GRILLS, LLC	2,969,476	UTS BIOGASTECHNIK GMBH	2,966,312	VITO NV	2,961,693
TRANCART, BRUNO	2,969,146	UTS BIOGASTECHNIK GMBH	2,966,373	VOGEL, MATTHEW	2,965,699
TRANI, MARINA	2,964,829	UTSUNO, RYUJI	2,969,312	VOIT, THOMAS	2,953,187
TRANSLAGIC CORPORATION	2,964,904	VAALA, WENDY	2,967,532	VOITH PATENT GMBH	2,965,557
TRANVOUEZ, DELPHINE	2,964,023	VAFAI, SCOTT BRADLEY	2,969,129	VOITH PATENT GMBH	2,966,775
TREIBACHER INDUSTRIE AG	2,959,221	VAILLANCOURT, MICHAEL	2,969,203	VOLLMAR, HELMUTH	2,965,228
TRENTON, DANIEL	2,969,133	VAINSTEIN, ALEXANDER	2,968,808	VON HATTEN, XAVIER	2,965,578
TREOFAN GERMANY GMBH & CO. KG	2,965,006	VAN BOXTEL, LEONARDUS JOHANNES JOSEPHUS	2,965,471	VON WEGERER, JORG	2,966,671
TRESCH, STEFAN	2,967,530	VAN DEN ABBEELE, TIM	2,966,427	VON WOEDTKE, THOMAS	2,963,457
TRIEBES, THOMAS G.	2,968,881	VAN DEN ABBEELE, TIM	2,966,781	VONAESCH, JONAS	2,965,049
TROESCH, FLORIAN	2,965,746	VAN DEN BERG, ROSEL SUZAN ADINE	2,956,339	VONAESCH, JONAS	2,965,050
TROESCH, FLORIAN	2,966,478	VAN DEN HERIK, BEN	2,966,078	VORBERG, GERALD	2,959,700
TROGER, DIANA	2,957,992	VAN EIJL, DAVE	2,968,970	VOSSLOH-WERKE GMBH	2,969,481
TROMMLER, KATJA	2,964,420	VAN EIJL, PAUL J.	2,968,970	VRANG, NIELS	2,965,560
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TRUJILLO, RAFAEL	2,964,973	VAN HOUT, RICHARD F.E.	2,965,747	VRZALIK, JOHN	2,968,526
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TSUZUKI, KEN	2,969,504			VRZIC, SOPHIE	2,969,138
TURNER, ZIV	2,968,929			VUIN, ALFRED	2,958,523
TURTUM, GEIR	2,958,734			VUKOVIC, MIRJANA	2,963,950
TURZI, ANTOINE	2,968,731			VUONG, THANH	2,968,917
TYKKYLAINEN, JARNO	2,968,865				

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WACHTER, PHILIPP	2,969,182	WENNOGLE, LAWRENCE P.	2,969,594	WOOTTON, MATTHEW	2,963,345
WADA, KOJI	2,969,088	WENNOGLE, LAWRENCE P.	2,969,597	WORLDWIDE INNOVATIVE HEALTHCARE, INC.	2,969,472
WADA, YUKINORI	2,969,197	WERK, TOBIAS	2,967,194	WOTTON, HARRY	2,968,477
WADDILOVE, JAMES	2,966,075	WERK, TOBIAS	2,967,201	WRIGHT, KEVIN A.	2,969,407
WAGNER, CHRISTIAN	2,954,824	WERNER, STEFAN	2,969,329	WRIGHT, KEVIN A.	2,969,435
WAGNER, PETER	2,966,468	WERR, MARTIN C.	2,969,102	WROBLEWSKI, ARTUR	2,969,481
WALGREN, RICHARD A.	2,961,295	WERZ, MATTHIAS	2,957,994	WU, BO	2,967,531
WALKER, ANDREW	2,969,146	WESLEY, AVINASH	2,969,098	WU, CHAN	2,969,209
WALLACE, PHILLIP WILLIAM	2,968,996	WESSELMANN, MATTHIAS	2,957,132	WU, HSU-HSIANG	2,969,322
WALLENSTEIN, MATTHEW D.	2,968,820	WESTIN, STEFAN	2,969,609	WU, JAMES	2,968,997
WALP, JENNA L.	2,965,116	WESTPHAL, GUDRUN	2,958,523	WU, XIAOHUI	2,963,092
WALSH, SHAUN CHARLES	2,967,514	WHEATLEY, JOHN A.	2,969,534	WUERFEL, HENDRYK	2,964,420
WALSH, SHAUN CHARLES	2,967,516	WHEATLEY, MARTIN	2,967,083	XACT ROBOTICS LTD.	2,969,093
WALSH, TERENCE A.	2,969,617	WHITEHEAD, IAN		XIE, LEI	2,969,261
WALTER, HARALD	2,965,234	NICHOLSON	2,969,219	XIONG, TINA	2,968,939
WALTERS, DAVE	2,969,407	WHITMORE, DAVID	2,969,114	XIONG, WEI	2,969,513
WALTERS, DAVE	2,969,423	WHYTE, MARK	2,966,245	XU, XIAN MIN	2,969,002
WALTERS, DAVE	2,969,435	WILKINS, H. JEFFREY	2,969,405	XU, XIAN MIN	2,969,005
WALTERS, DAVE	2,969,488	WILLENBRING, HOLGER	2,969,145	XU, YUEHUA	2,939,609
WALTERS, RICHARD JOHN	2,969,571	WILLIAM MARSH RICE UNIVERSITY	2,968,886	XUE, YUZHEN	2,969,222
WALTHER, TINA	2,964,420	WILLIS, MATTHEW MICHAEL	2,969,353	XUE, YUZHEN	2,969,418
WANG, CHAO-FU	2,969,310	WILSER, ALEXANDER	2,967,085	XYLEM IP MANAGEMENT S.A R.L.	2,966,949
WANG, CHUNMEI	2,969,359	WILSON, BETH RUBIN	2,969,617	YACOV, NIVA	2,968,790
WANNER, PIERRE	2,965,579	WILSON, GLENN A.	2,969,319	YADA, SHUICHI	2,969,013
WARD, PAULA MARIE L.	2,968,950	WILSON, GLENN A.	2,969,321	YADAV, PRITAM	2,969,102
WARTIG, KAREN ALESSA	2,966,781	WILSON, ROBERT	2,967,124	YALOVSKY, MARK	2,965,694
WARTIG, KAREN-ALESSA	2,966,427	WINDMILL, MARTIN	2,969,510	YAMAMOTO, HIROKAZU	2,969,199
WATANABE, KENSUKE	2,969,199	WINDMOLLER & HOLSCHER KG	2,959,744	YAN, YONGAN	2,969,097
WATANABE, KOTA	2,969,202	WINDMOLLER & HOLSCHER KG	2,959,759	YANG, BAIYUAN	2,968,874
WATANABE, TSUNEO	2,969,333	WINDMOLLER & HOLSCHER KG	2,960,077	YANG, QING	2,965,335
WATER PIK, INC.	2,969,391	WINDMOLLER & HOLSCHER KG	2,960,766	YANG, YUN	2,968,882
WATERS, CHARLES	2,969,450	WINDMOLLER & HOLSCHER KG	2,960,766	YANKOVSKY, PHILLIP	2,969,422
WATERS, MICHAEL	2,969,450	WINKLBAUER, MARTIN	2,967,111	YANO, HIDEKI	2,969,013
WAUKESHA BEARINGS CORPORATION	2,969,112	WINLEY, RICHARD A., III	2,963,087	YE, SHUTE	2,959,963
WAVELIGHT GMBH	2,961,518	WINSLOW, DANIEL MARTIN	2,968,952	YEN, WAN-CHING	2,969,401
WAYNE STATE UNIVERSITY	2,969,586	WINTON, JAMES ROBERT	2,969,083	YI, DAHAE	2,966,194
WEARING, JAMES THEODORE	2,961,835	WISCONSIN ALUMNI RESEARCH FOUNDATION	2,965,530	YIN, DAN	2,969,329
WEATHERFORD TEHCNOLOGY HOLDINGS, LLC	2,965,531	WISCONSIN ALUMNI RESEARCH FOUNDATION	2,969,334	YING, LEI	2,969,002
WEBSTER, MARK WILSON IAN	2,969,129	WISSEMEIER, ALEXANDER	2,966,562	YOKOYAMA, TAKUYA	2,969,192
WECH, MICHAEL J.	2,969,119	WISSEMEIER, ALEXANDER	2,969,186	YOOZ	2,966,295
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WEI, PENGFENG	2,969,479	WITTELOOSTUJN, SOREN BLOK VAN	2,965,560	YOSHIYAMA, RYUJI	2,969,634
WEIDER, PAUL RICHARD	2,957,473	WITTMANN, TOBIAS	2,957,461	YU, BA OFA	2,968,853
WEIGELT, WOLFGANG	2,966,562	WLODARSKI, GRACE	2,969,316	YU, NONG	2,969,209
WEINBERGER, KARL	2,966,286	WOLF, JURGEN	2,966,427	YU, PETER C.	2,969,098
WEINER, DAVID B.	2,969,214	WOLF, JURGEN	2,966,781	YUAN, YUAN	2,939,609
WEINSTEIN, ARIEL	2,968,799	WOLF, ULRIK	2,958,564	YUAN-HUFFMAN, QINGWEN WENDY	2,967,531
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ZETHOFF, MARTIN	2,967,113
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ZHANG, HONGRUI	2,965,699
ZHANG, JIBO	2,968,886
ZHANG, RAN RAN	2,969,194
ZHANG, SHUMEI	2,969,359
ZHANG, YANFENG	2,969,012
ZHANG, YUANSHENG	2,969,209
ZHAO, SHUCHEN	2,969,001
ZHENG, HAILIN	2,969,594
ZHENG, HAILIN	2,969,597
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ZHOU, QINQIN	2,969,209
ZHOU, SHUIPING	2,969,209
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ZIMMERMANN, KATJA	2,965,201
ZINNIA TEK LIMITED	2,969,083
ZINOVIEV, KIRILL	2,964,288
ZINOVIK, IHAR NIKOLAEVICH	2,962,756
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BOURASSA, GUY	2,964,148	FORESTER, KELLY ANN	2,949,499	IROBOT CORPORATION	2,968,561
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BRANNOCK, SAMUEL LINCOLN	2,949,166	FRAUNHOFER- GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	2,968,646	JEON, BYEONGMOON	2,968,765
BRANNOCK, SAMUEL LINCOLN	2,949,168	FRAUNHOFER- GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	2,968,699	JEON, YONGJOON	2,968,765
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BRUCE, ROBERT	2,968,779	GALESSO, DEVIS	2,967,567	KIGUCHI, SO	2,962,017
BRUGGING, WILHELM	2,949,410	GAYLORD, ERIC LEE	2,948,906	KIM, JOO YOUNG	2,968,598
CADY, SUSAN MANCINI	2,966,703	GENDERS, J. DAVID	2,964,106	KIM, JUNGSUN	2,968,765
CAI, RONGXUAN	2,948,632	GENDERS, J. DAVID	2,964,148	KIRCHHOFF, FRANK	2,968,054
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		GUERRY, BRIAN ROBERT	2,949,318		
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demandes mises à la disponibilité du public non disponibles auparavant**

LEMUS, ROBERT HUERTA	2,966,273	PEARSE, GARY	2,964,106	UNDERWOOD, MARK	
LG ELECTRONICS INC.	2,968,765	PEARSE, GARY	2,964,148	RICHARD	2,967,453
LI, HAIQING	2,966,273	PFIZER INC.	2,949,033	VIIV HEALTHCARE	
LI, JIA-RU	2,968,031	PHARIS BIOTEC GMBH	2,968,054	COMPANY	2,967,453
LI, LISHENG	2,913,574	PIOTROWSKI, DANIEL	2,948,318	WAGNER, BEATRICE	2,950,088
LI, SHAOJUN	2,949,659	POMPEI, MANUELA	2,947,703	WALLAC OY	2,967,508
LILEE SYSTEMS, LTD	2,968,031	POON, LEONA	2,967,508	WANLIN, HUGUES	2,966,916
LIM, JAEHYUN	2,968,765	PRASHAD, NADIRA		WARRINGTON, ARTHUR E.	2,967,294
LIN, HSIN-YUNG	2,965,038	ANARKALI	2,949,033	WAVEFORM TECHNOLOGIES,	
LOMBARD, ANTHONY	2,968,699	REDDY, MALI VENKAT	2,966,273	INC.	2,968,779
LOUGHNEY, GERALD		REHRIG PACIFIC COMPANY	2,949,318	WILDE, ALBERT R.	2,948,723
MICHAEL	2,949,499	RODRIGUEZ, MOSES	2,967,294	WILDE, STEPHAN	2,968,699
LUO, GUANGLIN	2,968,176	ROMARK LABORATORIES		WILKES, DAVID S.	2,965,211
MA, DANGSHE	2,949,033	L.C.	2,968,113	ZANELLATO, ANNA MARIA	2,967,567
MACKIE, STEPHEN CHARLES	2,964,106	ROSMAN, RICHARD R.	2,968,138	ZHANG, HONG	2,966,011
MACKIE, STEPHEN CHARLES	2,964,148	ROSSIGNOL, JEAN-FRANCOIS	2,968,113	ZHAO, CHENGUANG	2,966,011
MACOR, JOHN E.	2,968,176	ROXBURGH, RUTH	2,913,574		
MAGNAN, JEAN-FRANCOIS	2,964,106	SAMUEL, CHRISHAN S.	2,967,607		
MAGNAN, JEAN-FRANCOIS	2,964,148	SAMUELSSON, MAGNUS	2,964,533		
MANAHAN, JOSEPH		SAPRA, PUJA	2,949,033		
MICHAEL	2,968,744	SCHAFFER, STEFFEN	2,949,410		
MAO, WEI	2,968,577	SCHERMAN, DANIEL	2,967,156		
MARQUETTE, KIMBERLEY		SCHULER, FRANCESCA	2,968,577		
ANN	2,949,033	SEED, NICHOLAS H.	2,949,806		
MAYO FOUNDATION FOR		SEMPLE, J. EDWARD	2,968,113		
MEDICAL EDUCATION &		SETIAWAN, PANJI	2,968,699		
RESEARCH	2,967,294	SFC GLOBAL SUPPLY CHAIN,			
MEDICAL SPECIALTIES, INC.	2,948,906	INC.	2,948,632		
MEIER, RALF	2,949,410	SHETRANJWALLA,			
MEITTUNEN, STACEY		SHEGUFTA	2,949,659		
FOWLER	2,948,632	SHIHABUDDIN, LAMYA	2,966,155		
MERIAL, INC.	2,966,703	SICINSKI, MICHAEL ANDREW	2,949,499		
METABASIS THERAPEUTICS,		SILVESTRE, CANDICE			
INC.	2,966,273	DAIBES	2,949,499		
MILLER, TRENT J.	2,968,577	SIWKOWSKI, ANDREW M.	2,966,011		
MOLECULAR MEDICINE		SLOMSKI, DENNIS	2,968,779		
RESEARCH INSTITUTE	2,967,607	SOLL, MARK DAVID	2,966,703		
MONIA, BRETT P.	2,966,011	ST. JUDE MEDICAL			
MORISHITA, KOJI	2,967,587	COORDINATION CENTER			
MORRIS, RAY J.	2,968,787	BVBA	2,964,533		
MOTOROLA SOLUTIONS, INC.	2,968,577	STANDKER, LUDGER	2,968,054		
MULLER, MARKUS	2,947,203	STEIN, DAVID JONATHAN	2,945,777		
MUNCH, JAN	2,968,054	SUMITOMO CHEMICAL			
MUNICH, MARIO E.	2,968,561	COMPANY, LIMITED	2,962,017		
NARINE, SURESH	2,949,659	SUMITOMO HEAVY			
NATIONAL UNIVERSITY		INDUSTRIES, LTD.	2,949,475		
CORPORATION NAGOYA		SUN, ZHILI	2,966,273		
UNIVERSITY	2,967,587	SYMONS, PETER	2,964,106		
NAUS, PETR	2,966,647	SYMONS, PETER	2,964,148		
NEMASKA LITHIUM INC.	2,964,106	SYNGENTA PARTICIPATIONS			
NEMASKA LITHIUM INC.	2,964,148	AG	2,947,088		
NGUYEN, THANH HUU	2,966,273	TANAKA, SOICHI	2,962,017		
NICOLAIDES, KYPROS	2,967,508	TCHISTIAKOVA, LIODMILA	2,949,033		
NOSAKA, HIROMICHI	2,949,475	THE BOEING COMPANY	2,968,138		
OCHIAI, MASAYUKI	2,967,587	THE BOEING COMPANY	2,968,157		
OREN TECHNOLOGIES, LLC	2,967,888	THE FETAL MEDICINE			
OREN, JOHN	2,967,888	FOUNDATION	2,967,508		
ORMORI, NAOMICHI	2,968,870	THE GOODYEAR TIRE &			
OZAWA, MAYUKO	2,962,017	RUBBER COMPANY	2,947,703		
PALL CORPORATION	2,945,777	TRENT UNIVERSITY	2,949,659		
PARK, JOONYOUNG	2,968,765	TUMEY, LAWRENCE			
PARK, SEUNGWOOK	2,968,765	NATHAN	2,949,033		
PASSINI, MARCO	2,966,155	ULRICH, RENE JOSEF	2,948,318		
PATEL, RAJESH D.	2,945,777				