Canadian Intellectual Property Office

An Agency of Industry Canada

Office de la propriété intellectuelle du Canada

Un organisme d'Industrie Canada

ISSN-1712-4034

The Patent Office Record

La Gazette du Bureau des brevets

Vol. 146 No. 14 April 3, 2018

Vol. 146 No. 14 le 3 avril 2018

Canada

CIPO OPIC

THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle
Commissioner of Patents

Johanne Bélisle
Commissaire aux brevets

Table of Contents
Table des matières

Notices

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

Avis

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'indentification 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**).

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. 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

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. 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.

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.

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. 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.

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. 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.

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. List of Patents Available for Licence or Sale

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

2,966,953

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

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

2,966,953

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.

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. 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).

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. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After January 2, 2018

1. **Transmittal Fee** (Rule 14)	**$300**
2. **International Filing Fee**	**$1708***
For each additional sheet over 30	**$19**
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

11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 2 janvier 2018

1. **Taxe de transmission** (Règle 14)	**300 $**
2. **Taxe de dépôt internationale**	**1708 $***
Pour chaque feuille au delà de 30	**19 $**
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

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*)) **$257**

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

* International fees will be reduced by:

- **$257** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **$385** for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

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 57.2*a*)) **257 $**

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

* Les frais seront réduits de:

- **257 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **385 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

12. PCT Notices

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**).

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

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).

(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. Correspondence Procedures

June 20, 2017

This notice will replace all previous notices regarding Correspondence Procedures.

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

1. Physical Delivery of Correspondence to CIPO

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

14. Procédures de correspondance

le 20 juin, 2017

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

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

1. Livraison en personne de correspondance à l'OPIC

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

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
   Édifice C.D. Howe
   235, rue Queen, pièce S-143
   Ottawa (Ontario) K1A 0H5
   Tél. : 343-291-3436

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

1.2. 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

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

établissements ou des bureaux désignés auquels 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.

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

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. 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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

2.1 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'acquittement 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 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

2.2 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

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.

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.

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

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.

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

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

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

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.

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.

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

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

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.

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. Details concerning the electronic formats accepted

3. Précisions concernant les formats électroniques acceptés

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 ½" 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.

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.

ASCII

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

ASCII

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

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.

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.

4. General Information

General information may be obtained by communicating with CIPO's Client Service Centre.

4. Renseignements généraux

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

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

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

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.

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.

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.

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 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

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**:
    - First Monday in August (British Columbia Day)
    - Second Monday in February (British Columbia Family Day)
3. **New Brunswick**: First Monday in August (New Brunswick Day)
4. **Newfoundland and Labrador**:
    - March 17 (St. Patrick's Day)
    - April 23 (St. George's Day)
    - June 24 (Discovery Day)
    - July 12 (Orangemen's Day)
    - First Monday in August (Regatta Day)
5. **Nova Scotia**: First Monday in August (Civic Holiday)
6. **Ontario**:
    - Third Monday in February (Ontario Family Day)
    - 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)

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** :
    - premier lundi d'août (Fête de la Colombie-Britannique)
    - euxième lundi de février (Jour de Famille de la Colombe –Britannique)
3. **Nouveau-Brunswick** : premier lundi d'août (Fête du Nouveau-Brunswick)
4. **Terre-Neuve et Labrador** :
    - 17 mars (Fête de la Saint-Patrick)
    - 23 avril (Fête de la Saint-Georges)
    - 24 juin (Journée de la Découverte)
    - 12 juillet (Jour des Orangistes)
    - Premier lundi d'août (Journée de la Régate)
5. **Nouvelle-Écosse** : premier lundi d'août (congé statutaire)
6. **Ontario** :
    - troisième lundi de février (Jour de la Famille de l'Ontario)
    - premier lundi d'août (congé statutaire)
7. **L'Île-du-Prince-Edouard** : 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)

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 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 :

- 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)

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

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

- 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)

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

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

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

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

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

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

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

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or electronically using the relevant links set out in section 2.2 of these correspondance 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 utilsant 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

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.

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. Procedures when CIPO is open for business but clients are unable to communicate with the Office

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

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.

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.

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.

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 April 3, 2018 contains applications open to public inspection from March 18, 2018 to March 24, 2018.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 3 avril 2018 contient les demandes disponibles au public pour consultation pour la période du 18 mars 2018 au 24 mars 2018.

Canadian Patents Issued

April 3, 2018

Brevets canadiens délivrés

3 avril 2018

---

[11] **2,473,234**
[13] C
[51] **Int.Cl. G06Q 40/00 (2012.01)**
[25] EN
[54] **REAL TIME FINANCIAL INSTRUMENT IMAGE EXCHANGE SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ECHANGE D'IMAGE D'INSTRUMENT FINANCIER EN TEMPS REEL**
[72] CRAIG, MARK S., US
[72] MILLER, MICHAEL M., US
[72] DOWNS, CHARLES H., JR., US
[73] FIDELITY INFORMATION SERVICES, LLC, US
[85] 2004-07-07
[86] 2003-01-09 (PCT/US2003/000540)
[87] (WO2003/060797)
[30] US (10/044,679) 2002-01-11

---

[11] **2,477,870**
[13] C
[51] **Int.Cl. A61N 1/30 (2006.01) A61N 1/32 (2006.01)**
[25] EN
[54] **ELECTRODE ASSEMBLY FOR CONSTANT-CURRENT ELECTROPORATION AND USE**
[54] **ENSEMBLE ELECTRODE POUR L'ELECTROPORATION A COURANT CONSTANT ET UTILISATION**
[72] WESTERSTEN, ALLAN, US
[72] DRAGHIA-AKLI, RUXANDRA, US
[72] CARPENTER, ROBERT H., US
[72] KERN, DOUGLAS R., US
[72] WILKINSON, WILLIAM R., US
[73] ADVISYS, INC., US
[85] 2004-08-30
[86] 2003-03-06 (PCT/US2003/006833)
[87] (WO2003/076006)
[30] US (60/362,362) 2002-03-07

---

[11] **2,523,577**
[13] C
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 19/02 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING INTERLEUKIN-6 RELATED DISEASES**
[54] **METHODES DE TRAITEMENT DE MALADIES LIEES A L'INTERLEUKINE 6**
[72] OKUDA, OSAMU, JP
[72] YOSHIDA, NORIAKI, JP
[72] MAINI, RAVINDER NATH, GB
[73] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
[85] 2005-10-25
[86] 2004-04-28 (PCT/JP2004/006211)
[87] (WO2004/096273)
[30] GB (0309619.5) 2003-04-28

---

[11] **2,530,695**
[13] C
[51] **Int.Cl. A01G 31/02 (2006.01)**
[25] EN
[54] **MODULAR AEROPONIC/HYDROPONIC CONTAINER MOUNTABLE TO A SURFACE**
[54] **CONTENANT AEROPONIQUE/HYDROPONIQUE A INSTALLER EN SAILLIE**
[72] ROY, MARIO, CA
[72] MORIN, JEAN-PIERRE, CA
[73] ROY, MARIO, CA
[86] (2530695)
[87] (2530695)
[22] 2005-12-16
[30] US (60/636,108) 2004-12-16

---

[11] **2,546,418**
[13] C
[51] **Int.Cl. H04L 12/58 (2006.01) G06Q 40/04 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANAGING RELATIONSHIPS BETWEEN BROKERS AND TRADERS USING A MESSAGING FORMAT**
[54] **SYSTEME ET METHODE DE GESTION DES RELATIONS ENTRE LES COURTIERS ET LES OPERATEURS DE MARCHES A L'AIDE DE LA MESSAGERIE**
[72] BEADLE, ALASTAIR J. D., GB
[72] SWEETING, MICHAEL, GB
[73] BGC PARTNERS, INC., US
[85] 2006-05-17
[86] 2004-10-28 (PCT/US2004/036125)
[87] (WO2005/050351)
[30] US (10/716,305) 2003-11-18

---

[11] **2,547,287**
[13] C
[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD OF DATA BROKERING**
[54] **SYSTEME ET METHODE DE COURTAGE DE DONNEES**
[72] RICHER, ERIC, CA
[72] GODFREY, RON, CA
[72] DENIS, PHIL, CA
[72] JANSSENS, WARREN, CA
[73] RICHER SYSTEMS GROUP INC., CA
[86] (2547287)
[87] (2547287)
[22] 2006-05-19
[30] CA (2,508,091) 2005-05-20
[30] US (60/682,881) 2005-05-20

[11] **2,569,325**
[13] E
[51] **Int.Cl. B65D 3/04 (2006.01) B65D 21/036 (2006.01) B65D 25/10 (2006.01)**
[25] EN
[54] **PACKAGE FOR ABRASIVE GRINDING WHEELS**
[54] **ENSEMBLE POUR MEULES ABRASIVES**
[72] FICAI, GIOVANNI, IT
[73] FICAI, GIOVANNI, IT
[86] (2569325)
[87] (2569325)
[48] 2018-04-03
[22] 2006-11-29
[30] IT (PR2005U000015) 2005-12-07

---

[11] **2,604,443**
[13] C
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 19/02 (2006.01) A61P 29/02 (2006.01) C07K 16/22 (2006.01)**
[25] EN
[54] **USE OF ANTI-NGF ANTIBODY FOR IMPROVING STIFFNESS IN OSTEOARTHRITIS**
[54] **TRAITEMENT ET COMPOSITIONS A BASE D'ANTAGONISTE DU FACTEUR DE CROISSANCE NERVEUSE CONTRE LES DOULEURS D'ARTHROSE**
[72] ROSENTHAL, ARNON, US
[72] SHELTON, DAVID L., US
[72] WALICKE, PATRICIA ANN, US
[73] RINAT NEUROSCIENCE CORP., US
[85] 2007-10-10
[86] 2006-04-11 (PCT/US2006/013921)
[87] (WO2006/110883)
[30] US (11/104,248) 2005-04-11

---

[11] **2,625,976**
[13] C
[51] **Int.Cl. G06F 19/20 (2011.01) G06F 19/10 (2011.01) C12Q 1/70 (2006.01)**
[25] EN
[54] **METHOD AND MEANS FOR DETERMINING THE REPLICATION RATE OF A VIRAL POPULATION**
[54] **PROCEDE ET MOYEN DE DETERMINATION DU TAUX DE REPLICATION D'UNE POPULATION VIRALE**
[72] RIMSKY, LAURENCE TATIANA, BE
[72] VAN MARCK, HERWIG GASTON EMIEL, BE
[72] DE BETHUNE, MARIE-PIERRE T.M.M.G., BE
[72] BACHELER, LEE TERRY, US
[73] JANSSEN SCIENCES IRELAND UC, IE
[85] 2008-04-14
[86] 2006-10-13 (PCT/EP2006/067383)
[87] (WO2007/042568)
[30] US (60/727,156) 2005-10-14
[30] EP (06100684.7) 2006-01-20
[30] EP (06112674.4) 2006-04-14

---

[11] **2,636,111**
[13] C
[51] **Int.Cl. C12N 15/67 (2006.01) A61K 38/17 (2006.01) A61K 38/20 (2006.01) C07K 14/54 (2006.01) C07K 14/715 (2006.01)**
[25] EN
[54] **CODON OPTIMIZED IL-15 AND IL-15R-ALPHA GENES FOR EXPRESSION IN MAMMALIAN CELLS**
[54] **GENES IL-15 ET IL-15R-ALPHA A CODON OPTIMISE DESTINES A L'EXPRESSION DANS LES CELLULES MAMMALIENNES**
[72] FELBER, BARBARA K., US
[72] PAVLAKIS, GEORGE N., US
[73] THE GOVERNMENT OF THE UNITED STATES, AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES, NATIONAL INSTITUTES OF HEALTH, US
[85] 2008-07-03
[86] 2007-01-12 (PCT/US2007/000774)
[87] (WO2007/084342)
[30] US (60/758,819) 2006-01-13
[30] US (60/812,566) 2006-06-09

---

[11] **2,640,790**
[13] C
[51] **Int.Cl. H04B 1/713 (2011.01) H04W 12/00 (2009.01) H04B 1/707 (2011.01) H04B 1/74 (2006.01) H04K 3/00 (2006.01) H04L 1/22 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SECURING DATA TRANSMISSIONS OVER WIRELESS NETWORKS**
[54] **SYSTEME ET METHODE DE PROTECTION DES TRANSMISSIONS DE DONNEES SUR DES RESEAUX SANS FIL**
[72] FRANCESCHINI, MICHAEL R., US
[72] YI, YUNJUNG, US
[72] MULDOON, KELLY P., US
[73] HONEYWELL INTERNATIONAL INC., US
[86] (2640790)
[87] (2640790)
[22] 2008-10-08
[30] US (60/978,365) 2007-10-08
[30] US (12/246,365) 2008-10-06

---

[11] **2,649,138**
[13] C
[51] **Int.Cl. A61K 31/713 (2006.01) A61K 48/00 (2006.01) A61P 27/02 (2006.01) A61P 29/00 (2006.01) C07H 21/04 (2006.01) C12N 15/11 (2006.01) C12N 15/54 (2006.01)**
[25] EN
[54] **RNAI-MEDIATED INHIBITION OF SPLEEN TYROSINE KINASE-RELATED INFLAMMATORY CONDITIONS**
[54] **INHIBITION A MEDIATION PAR RNAI DE CONDITIONS INFLAMMATOIRES APPARENTEES A LA TYROSINE KINASE DE RATE**
[72] YANNI, JOHN M., US
[72] CHATTERTON, JON E., US
[72] GAMACHE, DANIEL A., US
[72] MILLER, STEVEN T., US
[73] ARROWHEAD RESEARCH CORPORATION, US
[85] 2008-10-10
[86] 2007-04-13 (PCT/US2007/066619)
[87] (WO2007/121347)
[30] US (60/791,847) 2006-04-13

[11] **2,650,590**
[13] C
[51] **Int.Cl. A61L 31/16 (2006.01) A61F 2/82 (2013.01) A61L 31/12 (2006.01) A61L 31/14 (2006.01) A61M 31/00 (2006.01) A61K 31/436 (2006.01)**
[25] EN
[54] **COATINGS CONTAINING MULTIPLE DRUGS**
[54] **REVETEMENTS CONTENANT PLUSIEURS MEDICAMENTS**
[72] DEYOUNG, JAMES, US
[72] TAYLOR, DOUG, US
[72] MCCLAIN, JIM, US
[72] SMOKE, CLINT, US
[72] COLE, MIKE, US
[73] MICELL TECHNOLOGIES, INC., US
[85] 2008-10-27
[86] 2007-04-26 (PCT/US2007/010227)
[87] (WO2007/127363)
[30] US (60/745,731) 2006-04-26
[30] US (60/745,733) 2006-04-26
[30] US (60/912,394) 2007-04-17

---

[11] **2,650,849**
[13] C
[51] **Int.Cl. A01D 89/00 (2006.01)**
[25] FR
[54] **AGRICULTURAL MACHINE FOR HARVESTING FORAGE**
[54] **MACHINE AGRICOLE POUR LA RECOLTE DES FOURRAGES**
[72] GANTZER, CHRISTIAN, FR
[72] BABLER, DAMION D., US
[73] KUHN S.A., FR
[85] 2008-10-29
[86] 2007-06-19 (PCT/FR2007/051464)
[87] (WO2008/000993)
[30] FR (0652752) 2006-06-30

---

[11] **2,662,715**
[13] C
[51] **Int.Cl. A61K 38/00 (2006.01) A61P 25/02 (2006.01)**
[25] EN
[54] **METHOD OF TREATING PERIPHERAL NERVE DISORDERS**
[54] **PROCEDE DE TRAITEMENT DE TROUBLES DU NERF PERIPHERIQUE**
[72] HAMER, JOHN, GB
[73] VOLUTION IMMUNO PHARMACEUTICALS SA, CH
[85] 2009-03-06
[86] 2007-09-10 (PCT/GB2007/003401)
[87] (WO2008/029167)
[30] GB (0617734.9) 2006-09-08

---

[11] **2,663,452**
[13] C
[51] **Int.Cl. G10D 13/08 (2006.01)**
[25] EN
[54] **THE G-PAN MUSICAL INSTRUMENT**
[54] **INSTRUMENT DE MUSIQUE DE TAMBOUR G**
[72] COPELAND, BRIAN R., TT
[73] THE GOVERNMENT OF TRINIDAD AND TOBAGO THE PERMANENT SECRETARY MINISTRY OF THE ATTORNEY GENERAL, TT
[85] 2009-03-06
[86] 2007-07-13 (PCT/TT2007/000001)
[87] (WO2009/011669)
[30] TT (TT/A/2007/000172) 2007-07-13

---

[11] **2,665,709**
[13] C
[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6809 (2018.01) G01N 33/53 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING AND DIAGNOSING IRRITABLE BOWEL SYNDROME**
[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT ET LE DIAGNOSTIC DU SYNDROME DU COLON IRRITABLE**
[72] THIELEMANS, THEODOOR VICTOR CONSTANT, BE
[72] AERSSENS, JEROEN MARCEL MARIA ROGER, BE
[72] TALLOEN, WILLEM JAN-PAUL EDMOND, BE
[72] THIELEMANS, LEEN ALBERT LEONARDA, BE
[72] CAMILLERI, MICHAEL L., US
[73] JANSSEN PHARMACEUTICA N.V., BE
[73] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
[85] 2009-04-06
[86] 2007-10-11 (PCT/EP2007/008872)
[87] (WO2008/043566)
[30] US (60/850,659) 2006-10-11
[30] EP (06023597.5) 2006-11-14

---

[11] **2,668,292**
[13] C
[51] **Int.Cl. A61K 38/19 (2006.01)**
[25] EN
[54] **ENHANCING PULMONARY HOST DEFENSE VIA ADMINISTRATION OF GRANULOCYTE-MACROPHAGE COLONY STIMULATING FACTOR**
[54] **RENFORCEMENT DES DEFENSES PULMONAIRES ENDOGENES PAR ADMINISTRATION DE FACTEUR DE STIMULATION DE COLONIES GRANULOCYTES-MACROPHAGES**
[72] FIALA, KAARE, DK
[73] DRUGRECURE APS, DK
[85] 2009-05-01
[86] 2007-11-02 (PCT/DK2007/050161)
[87] (WO2008/052567)
[30] US (60/864,190) 2006-11-03
[30] US (60/947,511) 2007-07-02

---

[11] **2,671,945**
[13] C
[51] **Int.Cl. G01J 5/20 (2006.01) C04B 35/01 (2006.01)**
[25] FR
[54] **USE OF A COMBINATION OF IRON MONOXIDE AND SPINEL OXIDES AS A SENSITIVE MATERIAL FOR DETECTING INFRARED RADIATION**
[54] **UTILISATION D'ASSOCIATION DE MONOXYDE DE FER ET D'OXYDES SPINELLES COMME MATERIAU SENSIBLE DESTINE A LA DETECTION DE RAYONNEMENTS INFRAROUGES**
[72] TAILHADES, PHILIPPE, FR
[72] PRESMANES, LIONEL, FR
[72] BONNINGUE, CORINNE, FR
[72] MAUVERNAY, BRUNO, FR
[72] OUVRIER-BUFFET, JEAN-LOUIS, FR
[72] ARNAUD, AGNES, FR
[72] RABAUD, WILFRIED, FR
[73] COMMISSARIAT A L'ENERGIE ATOMIQUE, FR
[73] UNIVERSITE PAUL SABATIER TOULOUSE III, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2009-06-09
[86] 2007-12-14 (PCT/FR2007/052511)
[87] (WO2008/084158)
[30] FR (0655502) 2006-12-14

[11] **2,672,964**
[13] C
[51] **Int.Cl. A61K 9/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS AND METHOD FOR TREATING INFLAMMATION IN CATTLE AND OTHER ANIMALS**
[54] **COMPOSITIONS PHARMACEUTIQUES ET PROCEDE DE TRAITEMENT D'UNE INFLAMMATION DANS LE BETAIL ET AUTRES ANIMAUX**
[72] MEADOWS, CHEYNEY, US
[72] FREEHAUF, KEITH ALAN, US
[72] SIMMONS, ROBERT D., US
[72] WEINGARTEN, ALLAN J., US
[73] INTERVET INTERNATIONAL B.V., NL
[85] 2009-06-16
[86] 2007-12-18 (PCT/US2007/025808)
[87] (WO2008/082507)
[30] US (60/870,907) 2006-12-20

[11] **2,674,721**
[13] C
[51] **Int.Cl. C12N 15/56 (2006.01) A62D 3/02 (2007.01) G06F 19/22 (2011.01) A01K 67/027 (2006.01) A01N 63/02 (2006.01) A01P 1/00 (2006.01) A21D 8/04 (2006.01) A23C 9/12 (2006.01) A23L 2/66 (2006.01) A61K 38/47 (2006.01) B09C 1/10 (2006.01) C02F 3/00 (2006.01) C07H 21/00 (2006.01) C07K 5/00 (2006.01) C07K 16/40 (2006.01) C07K 19/00 (2006.01) C10L 1/04 (2006.01) C11D 3/386 (2006.01) C11D 7/42 (2006.01) C12N 9/00 (2006.01) C12N 9/10 (2006.01) C12N 9/24 (2006.01) C12N 15/11 (2006.01) C12N 15/54 (2006.01) C12N 15/67 (2006.01) C12P 1/00 (2006.01) C12P 7/02 (2006.01) C12P 7/10 (2006.01) C12P 19/00 (2006.01) C12P 19/34 (2006.01) C12Q 1/34 (2006.01) C40B 40/06 (2006.01) C40B 40/10 (2006.01) C40B 50/06 (2006.01) D06M 16/00 (2006.01) D21H 25/02 (2006.01) G01N 33/53 (2006.01) G01N 33/573 (2006.01)**
[25] EN
[54] **ENZYMES FOR THE TREATMENT OF LIGNOCELLULOSICS, NUCLEIC ACIDS ENCODING THEM AND METHODS FOR MAKING AND USING THEM**
[54] **ENZYMES POUR LE TRAITEMENT DE MATIERES LIGNOCELLULOSIQUES, DES ACIDES NUCLEIQUES LES CODANT ET PROCEDES POUR LEUR FABRICATION ET LEUR UTILISATION**
[72] STEGE, JUSTIN T., US
[72] ABOUSHADI, NAHLA, US
[72] DJORDJEVIC, GORDANA, US
[72] BURKE, ELLEN, US
[72] LUGINBUHL, PETER, US
[72] DYCAICO, MARK, US
[72] RICHARDSON, TOBY, US
[72] POLAND, JOHN, US
[72] HEFNER, YING, US
[72] MILES, STACY MARIE, US
[72] CHANG, CATHY, US
[73] SYNGENTA PARTICIPATION AG, CH
[73] BP CORPORATION NORTH AMERICA INC., US
[85] 2009-07-24
[86] 2008-01-30 (PCT/US2008/052517)
[87] (WO2008/095033)
[30] US (60/887,329) 2007-01-30

[11] **2,684,102**
[13] C
[51] **Int.Cl. B32B 27/08 (2006.01) B65D 35/08 (2006.01)**
[25] EN
[54] **COLLAPSIBLE TUBE CONTAINERS**
[54] **RECEPTACLES POUR TUBES SOUPLES**
[72] ASHMAN, PHILIP COLIN, GB
[73] BODDINGTON IP LIMITED, GB
[85] 2009-10-15
[86] 2008-05-02 (PCT/GB2008/001556)
[87] (WO2008/135755)
[30] GB (0708493.2) 2007-05-02

[11] **2,687,866**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 35/00 (2006.01) A61K 39/395 (2006.01) A61P 21/00 (2006.01) A61P 25/28 (2006.01) A61P 37/00 (2006.01) A61P 43/00 (2006.01) C12N 15/13 (2006.01) C12N 1/21 (2006.01) C12N 15/73 (2006.01)**
[25] EN
[54] **ANTI-NOTCH1 NRR ANTIBODIES AND METHODS USING SAME**
[54] **ANTICORPS ANTI-NOTCH 1 SPECIFIQUES A NRR ET SES PROCEDES D'UTILISATION**
[72] SIEBEL, CHRISTIAN W., US
[72] WU, YAN, US
[73] GENENTECH, INC., US
[85] 2009-11-20
[86] 2008-06-03 (PCT/US2008/007000)
[87] (WO2008/150525)
[30] US (60/933,072) 2007-06-04
[30] US (60/994,646) 2007-09-20

[11] **2,695,731**
[13] C
[51] **Int.Cl. A61K 9/70 (2006.01) A61F 13/02 (2006.01)**
[25] EN
[54] **MICRONEEDLE ARRAYS FORMED FROM POLYMER FILMS**
[54] **RESEAUX DE MICROAIGUILLES FORMES A PARTIR DE FILMS POLYMERES**
[72] KASPAR, ROGER L., US
[72] SPEAKER, TYCHO, US
[73] TRANSDERM, INC., US
[85] 2010-02-05
[86] 2008-08-06 (PCT/US2008/072349)
[87] (WO2009/021048)
[30] US (60/963,725) 2007-08-06
[30] US (60/994,568) 2007-09-19

[11] **2,696,218**
[13] C
[51] **Int.Cl. A61M 25/01 (2006.01)**
[25] EN
[54] **IUPC INTRODUCER**
[54] **INTRODUCTEUR DE CATHETER INTRAUTERINE**
[72] CALLAHAN, MARK J., US
[72] D'ELIA, LINDA, US
[72] GRIFFIN, MARY JO, US
[73] KPR U.S., LLC, US
[86] (2696218)
[87] (2696218)
[22] 2010-03-09
[30] US (12/424,707) 2009-04-16

[11] **2,697,802**
[13] C
[51] **Int.Cl. C07D 307/46 (2006.01) C10L 1/02 (2006.01)**
[25] EN
[54] **MIXTURE OF FURFURAL AND 5-(ALKOXYMETHYL)FURFURAL DERIVATIVES FROM SUGARS AND ALCOHOLS**
[54] **MELANGE DE FURFURAL ET DE DERIVES DE 5-(ALCOXYMETHYL)FURFURAL A PARTIR DE SUCRES ET D'ALCOOLS**
[72] GRUTER, GERARDUS JOHANNES MARIA, NL
[73] FURANIX TECHNOLOGIES B.V., NL
[85] 2010-02-25
[86] 2008-09-05 (PCT/EP2008/007428)
[87] (WO2009/030511)
[30] EP (07017572.4) 2007-09-07

[11] **2,697,881**
[13] C
[51] **Int.Cl. A47G 19/03 (2006.01) B65D 1/34 (2006.01) B65D 21/032 (2006.01)**
[25] EN
[54] **RIGID-BUCKLING-RESISTANT-FLUTED PAPERBOARD CONTAINER WITH ARCUATE OUTER REGION**
[54] **CONTENANT RIGIDE EN CARTON CANNELE RESISTANT AUX DEFORMATIONS, AVEC PARTIE EXTERIEURE ARQUEE**
[72] LITTLEJOHN, MARK B., US
[72] BERG, ERIC J., US
[73] GPCP IP HOLDINGS LLC, US
[86] (2697881)
[87] (2697881)
[22] 2010-03-26
[30] US (61/211,273) 2009-03-27
[30] US (12/728,316) 2010-03-22

[11] **2,698,374**
[13] C
[51] **Int.Cl. G01N 33/53 (2006.01)**
[25] EN
[54] **USE OF SECRETOR, LEWIS AND SIALYL ANTIGEN LEVELS AS PREDICTORS FOR DISEASE**
[54] **UTILISATION DES TAUX D'ANTIGENE SECRETEURS, LEWIS ET SIALYLE DANS DES ECHANTILLONS CLINIQUES COMME PREDICTEURS DE RISQUE DE MALADIE**
[72] MORROW, ARDYTHE L., US
[72] RUIZ-PALACIOS, GUILLERMO M., MX
[72] NEWBURG, DAVID S., US
[73] CHILDREN'S HOSPITAL MEDICAL CENTER, US
[73] THE GENERAL HOSPITAL CORPORATION, US
[73] INSTITUTO NACIONAL DE CIENCIAS MEDICAS Y NUTRICION, MX
[85] 2010-03-03
[86] 2008-09-05 (PCT/US2008/075385)
[87] (WO2009/033011)
[30] US (60/970,902) 2007-09-07

[11] **2,699,696**
[13] C
[51] **Int.Cl. C11D 3/00 (2006.01) A61K 8/31 (2006.01) A61K 8/41 (2006.01) A61Q 19/00 (2006.01) C11D 1/62 (2006.01) C11D 1/835 (2006.01) C11D 1/94 (2006.01) C11D 3/16 (2006.01) C11D 3/18 (2006.01) C11D 3/37 (2006.01)**
[25] EN
[54] **ANTI-MICROBIAL COMPOSITIONS COMPRISING A NON-IONIC SURFACTANT**
[54] **COMPOSITION ANTIMICROBIENNE COMPORTANT UN SURFACTANT NON IONIQUE**
[72] SCHWARZ, ULRICH, GB
[72] FALDER, STEPHEN BRIAN, GB
[72] YATES, JOHN, GB
[73] BYOTROL PLC, GB
[85] 2010-03-16
[86] 2008-09-17 (PCT/GB2008/003149)
[87] (WO2009/037445)
[30] GB (0718114.2) 2007-09-17
[30] GB (0813098.1) 2008-07-17

[11] **2,701,924**
[13] C
[51] **Int.Cl. H04W 48/08 (2009.01) H04W 48/14 (2009.01)**
[25] EN
[54] **ACCESS TERMINAL CONFIGURATION AND ACCESS CONTROL**
[54] **CONFIGURATION DE TERMINAL D'ACCES ET COMMANDE D'ACCES**
[72] GUPTA, RAJARSHI, US
[72] PALANIGOUNDER, ANAND, US
[72] ULUPINAR, FATIH, US
[72] HORN, GAVIN B., US
[72] AGASHE, PARAG A., US
[72] CHEN, JEN MEI, US
[72] DESHPANDE, MANOJ M., US
[72] BALASUBRAMANIAN, SRINIVASAN, US
[72] NANDA, SANJIV, US
[72] SONG, OSOK, US
[73] QUALCOMM INCORPORATED, US
[85] 2010-04-07
[86] 2008-10-07 (PCT/US2008/079114)
[87] (WO2009/048889)
[30] US (60/978,363) 2007-10-08
[30] US (61/025,686) 2008-02-01
[30] US (61/061,537) 2008-06-13
[30] US (12/246,394) 2008-10-06

[11] **2,708,685**
[13] C
[51] **Int.Cl. G06F 11/36 (2006.01)**
[25] EN
[54] **MODULARIZING AND ASPECTIZING GRAPHICAL USER INTERFACE DIRECTED TEST SCRIPTS**
[54] **MODULARISATION ET ETABLISSEMENT DE L'ASPECT DES SCRIPTS DE TEST AXES SUR UNE INTERFACE UTILISATEUR GRAPHIQUE**
[72] GRECHANIK, MARK, US
[72] XIE, QING, US
[72] FU, CHEN, US
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
[86] (2708685)
[87] (2708685)
[22] 2010-06-28
[30] US (12/504,467) 2009-07-16

[11] **2,709,152**
[13] C
[51] **Int.Cl. C02F 1/00 (2006.01) C02F 1/28 (2006.01) C02F 1/52 (2006.01) C02F 1/72 (2006.01) E21B 43/25 (2006.01)**
[25] EN
[54] **RECYCLING AND TREATMENT PROCESS FOR PRODUCED AND USED FLOWBACK FRACTURING WATER**
[54] **PROCEDE DE RECYCLAGE ET DE TRAITEMENT DES EAUX DE FRACTURATION DE RETOUR PRODUITES ET USEES**
[72] RANDAL, CHAD ALLEN, CA
[73] AMPERAGE ENERGY INC., CA
[86] (2709152)
[87] (2709152)
[22] 2010-07-07
[30] US (61/223,904) 2009-07-08

[11] **2,709,154**
[13] C
[51] **Int.Cl. G03G 15/20 (2006.01) B41F 23/04 (2006.01) B41J 2/32 (2006.01) B41L 23/20 (2006.01) B41M 7/00 (2006.01)**
[25] EN
[54] **ELECTROPHOTOGRAPHIC PRINTER**
[54] **IMPRIMANNTE ELECTROPHOTOGRAPHIQUE**
[72] IZAWA, HIDEO, JP
[72] SETOYAMA, JUNICHI, JP
[73] MIYAKOSHI PRINTING MACHINERY CO., LTD., JP
[86] (2709154)
[87] (2709154)
[22] 2010-07-07
[30] JP (2009-176742) 2009-07-29

[11] **2,709,309**
[13] C
[51] **Int.Cl. H04L 12/16 (2006.01) G06Q 30/04 (2012.01) H04L 29/06 (2006.01)**
[25] EN
[54] **CONTENT DELIVERY NETWORK**
[54] **RESEAU DE LIVRAISON DE CONTENUS**
[72] GAGLIARDI, JOSHUA D., US
[72] MUNGER, TIMOTHY S., US
[72] PLOESSER, DONALD P., US
[73] HIGHWINDS HOLDINGS, INC., US
[85] 2010-06-11
[86] 2008-12-12 (PCT/US2008/086721)
[87] (WO2009/076658)
[30] US (61/013,584) 2007-12-13
[30] US (61/014,682) 2007-12-18

[11] **2,715,798**
[13] C
[51] **Int.Cl. H04W 16/18 (2009.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR TESTING THE WIRELESS SIGNAL PROPAGATION MODEL OF THE CELLULAR NETWORK**
[54] **PROCEDE ET SYSTEME DE TEST DU MODELE DE PROPAGATION DE SIGNAUX SANS FIL DANS UN RESEAU CELLULAIRE**
[72] WU, YANWEI, CN
[73] ZTE CORPORATION, CN
[85] 2010-08-17
[86] 2008-10-17 (PCT/CN2008/072746)
[87] (WO2009/111934)
[30] CN (200810007366.6) 2008-03-11

[11] **2,716,407**
[13] C
[51] **Int.Cl. A61H 1/00 (2006.01) A61F 7/02 (2006.01) A61H 1/02 (2006.01) A61H 7/00 (2006.01) A61H 15/00 (2006.01) A61H 23/02 (2006.01) A61H 23/04 (2006.01) A61N 1/36 (2006.01) A61N 2/00 (2006.01) A61N 2/02 (2006.01) A61N 2/06 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR TREATING RESTLESS LEG SYNDROME**
[54] **DISPOSITIFS ET PROCEDES DE TRAITEMENT DU SYNDROME DES JAMBES SANS REPOS**
[72] BURBANK, FRED, US
[72] JONES, MICHAEL, US
[72] MEMMOLO, AL, US
[73] SENSORY NEUROSTIMULATION, INC., US
[85] 2010-08-25
[86] 2009-03-02 (PCT/US2009/035765)
[87] (WO2009/108946)
[30] US (61/032,571) 2008-02-29

[11] **2,717,714**
[13] C
[51] **Int.Cl. D04H 1/48 (2012.01) A61F 13/20 (2006.01) B31D 1/04 (2006.01)**
[25] EN
[54] **TAMPON FORMED FROM A SELECTIVELY NEEDLED NONWOVEN FABRIC WEB**
[54] **TAMPON FORME A PARTIR D'UNE BANDE DE TISSU NON TISSE ET AIGUILLETE DE FACON SELECTIVE**
[72] KIMBALL, DAVID L., US
[72] LALAMA, ANTHONY C., US
[73] EDGEWELL PERSONAL CARE CANADA, ULC, CA
[86] (2717714)
[87] (2717714)
[22] 2010-10-15
[30] US (12/608,174) 2009-10-29

[11] **2,717,741**
[13] C
[51] **Int.Cl. A61K 31/122 (2006.01) A61P 27/16 (2006.01)**
[25] EN
[54] **TREATMENT OF HEARING AND BALANCE IMPAIRMENTS WITH REDOX-ACTIVE THERAPEUTICS**
[54] **TRAITEMENT DES DEFICIENCES DE L'AUDITION ET DE L'EQUILIBRE AVEC DES AGENTS THERAPEUTIQUES A ACTIVITE REDOX**
[72] MILLER, GUY M., US
[73] BIOELECTRON TECHNOLOGY CORPORATION, US
[85] 2010-09-03
[86] 2009-03-04 (PCT/US2009/035996)
[87] (WO2009/111543)
[30] US (61/068,330) 2008-03-05
[30] US (61/191,198) 2008-09-05

[11] **2,717,903**
[13] C
[51] **Int.Cl. C12N 1/16 (2006.01)**
[25] FR
[54] **USE OF A CARBONACEOUS SUBSTITUTE FOR THE PRODUCTION OF YEAST**
[54] **UTILISATION D'UN SUBSTITUT CARBONE POUR LA PRODUCTION DE LEVURES**
[72] FUENTES, JEAN-LUC, FR
[72] PARASIE, GEORGES RENE MARCEL, FR
[72] POILPRE, EMMANUEL, FR
[72] QUIPOURT-ISNARD, ANNE-DOMINIQUE, FR
[72] STIEN, GILLES GEORGES ALBERT, FR
[73] LESAFFRE ET COMPAGNIE, FR
[85] 2010-09-07
[86] 2009-03-13 (PCT/IB2009/000511)
[87] (WO2009/112940)
[30] FR (0801398) 2008-03-14

[11] **2,720,728**
[13] C
[51] **Int.Cl. G01N 1/30 (2006.01) G01N 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING NANOMATERIALS AND METHOD FOR USING SUCH COMPOSITIONS FOR HISTOCHEMICAL PROCESSES**
[54] **COMPOSITIONS COMPRENANT DES NANOMATERIAUX ET PROCEDE D'UTILISATION DE CES COMPOSITIONS POUR DES PROCESSUS HISTOCHIMIQUES**
[72] JACKSON, MERRILL, US
[72] HERMAN, MICHAEL, US
[72] HOBEN, GRACE, US
[72] SEBASTIAO, NOEMI, US
[72] COCKAYNE, SCOTT, US
[72] FERREA, HEATHER, US
[73] VENTANA MEDICAL SYSTEMS, INC., US
[85] 2010-10-06
[86] 2009-06-01 (PCT/US2009/045841)
[87] (WO2009/149013)
[30] US (61/131,205) 2008-06-05

[11] **2,720,908**
[13] C
[51] **Int.Cl. A61K 31/167 (2006.01) A61K 31/18 (2006.01) A61K 31/33 (2006.01) A61K 31/343 (2006.01) A61K 31/351 (2006.01) A61K 31/4015 (2006.01) A61K 31/4025 (2006.01) A61K 31/4035 (2006.01) A61K 31/404 (2006.01) A61K 31/41 (2006.01) A61K 31/4155 (2006.01) A61K 31/4162 (2006.01) A61K 31/4178 (2006.01) A61K 31/4196 (2006.01) A61K 31/427 (2006.01) A61K 31/435 (2006.01) A61K 31/445 (2006.01) A61K 31/451 (2006.01) A61K 31/4525 (2006.01) A61K 31/4704 (2006.01) A61K 31/495 (2006.01) A61K 31/502 (2006.01) A61K 31/506 (2006.01) A61K 31/517 (2006.01) A61K 31/53 (2006.01) A61K 31/5377 (2006.01) A61K 31/553 (2006.01) A61P 11/06 (2006.01) A61P 37/00 (2006.01) A61P 37/08 (2006.01) G01N 33/573 (2006.01)**
[25] FR
[54] **MOLECULES INHIBITING A METABOLIC PATHWAY INVOLVING THE SYK PROTEIN TYROSINE KINASE AND METHOD FOR IDENTIFYING SAID MOLECULES**
[54] **MOLECULES INHIBANT UNE VOIE METABOLIQUE IMPLIQUANT LA PROTEINE TYROSINE KINASE SYK ET PROCEDE D'IDENTIFICATION DE CES MOLECULES**
[72] DARIAVACH, PIONA, FR
[72] MARTINEAU, PIERRE EMILE ULYSSE, FR
[72] VILLOUTREIX, BRUNO, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2010-10-07
[86] 2009-04-08 (PCT/FR2009/000414)
[87] (WO2009/133294)
[30] FR (08/01959) 2008-04-09

[11] **2,721,650**
[13] C
[51] **Int.Cl. C21C 7/00 (2006.01)**
[25] EN
[54] **PROCESS TO REDUCE STEEL FURNACE SLAG CARRY-OVER DURING TAPPING**
[54] **PROCEDE POUR REDUIRE AU MINIMUM LE TRANSPORT DE SCORIES PENDANT LA COULEE**
[72] ROBINSON, STEWART W., US
[72] BRASEL, GREG, US
[73] CARBIDE INDUSTRIES, LLC, US
[86] (2721650)
[87] (2721650)
[22] 2010-11-17
[30] US (12/629,426) 2009-12-02

[11] **2,722,194**
[13] C
[51] **Int.Cl. B65D 47/40 (2006.01) B65D 41/04 (2006.01)**
[25] EN
[54] **LEAK PROOF DRINKING LID WITH PRESSURE RELIEF**
[54] **COUVERCLE A BEC ANTIFUITES AVEC SOUPAPE DE DECHARGE**
[72] LANE, MARVIN, US
[73] THERMOS L.L.C., US
[86] (2722194)
[87] (2722194)
[22] 2010-11-23
[30] US (12/705,000) 2010-02-12

[11] **2,722,307**
[13] C
[51] **Int.Cl. A01D 90/10 (2006.01) B65B 11/00 (2006.01)**
[25] EN
[54] **UNLOADING DEVICE FOR IN-LINE WRAPPER**
[54] **DISPOSITIF DE DECHARGEMENT POUR ENRUBANNEUSE EN LIGNE**
[72] D'AMOURS, LUC, CA
[72] LAVOIE, FREDERIC, CA
[72] DESROCHERS, PATRICE, CA
[73] GROUPE ANDERSON INC., CA
[86] (2722307)
[87] (2722307)
[22] 2010-11-22
[30] US (61/263.183) 2009-11-20

[11] **2,723,640**
[13] C
[51] **Int.Cl. A01B 63/24 (2006.01) A01B 5/00 (2006.01) A01B 61/00 (2006.01) A01B 63/32 (2006.01)**
[25] EN
[54] **DOWN PRESSURE ADJUSTMENT DEVICE AND METHOD FOR USE WITH A DISC OPENER ASSEMBLY OF AN AGRICULTURAL IMPLEMENT**
[54] **DISPOSITIF D'AJUSTEMENT DE LA PRESSION VERS LE BAS ET METHODE D'UTILISATION AVEC UN ENSEMBLE A DISQUES RAYONNEURS D'UN INSTRUMENT ARATOIRE**
[72] KOWALCHUK, TREVOR, CA
[72] SCHILLING, ROBIN B., CA
[72] TURNER, JACK, CA
[73] CNH INDUSTRIAL CANADA, LTD., CA
[86] (2723640)
[87] (2723640)
[22] 2010-12-01
[30] US (12/820,759) 2010-06-22

---

[11] **2,725,232**
[13] C
[51] **Int.Cl. G01B 5/10 (2006.01) A01G 23/083 (2006.01)**
[25] EN
[54] **DETERMINATION OF THICKNESS OF A TREE TRUNK**
[54] **DETERMINATION DE L'EPAISSEUR D'UN TRONC D'ARBRE**
[72] ARVIDSSON, HANS, SE
[73] LOG MAX AB, SE
[85] 2010-10-05
[86] 2009-04-16 (PCT/SE2009/050392)
[87] (WO2009/128779)
[30] SE (0800866-6) 2008-04-16

---

[11] **2,725,651**
[13] C
[51] **Int.Cl. C21B 7/10 (2006.01) F27B 1/12 (2006.01)**
[25] EN
[54] **COOLING PLATE FOR A METALLURGICAL FURNACE**
[54] **PLAQUE DE REFROIDISSEMENT POUR FOUR METALLURGIQUE**
[72] MAGGIOLI, NICOLAS, FR
[72] TOCKERT, PAUL, LU
[72] MOUSEL, NICOLAS, LU
[72] PLEIMELDING, CLAUDE, LU
[73] PAUL WURTH S.A., LU
[85] 2010-11-24
[86] 2009-06-04 (PCT/EP2009/056846)
[87] (WO2009/147192)
[30] LU (91454) 2008-06-06

---

[11] **2,725,816**
[13] C
[51] **Int.Cl. C12P 7/10 (2006.01) C08H 8/00 (2010.01) C13B 5/00 (2011.01) C12P 19/02 (2006.01) C12P 19/14 (2006.01) C13K 1/02 (2006.01)**
[25] EN
[54] **METHOD FOR PRETREATING PLANT STARTING MATERIAL FOR THE PRODUCTION, FROM SACCHARIFEROUS AND LIGNOCELLULOSIC RESOURCES, OF BIOETHANOL AND OF SUGAR, AND PLANT**
[54] **PROCEDE POUR PRETRAITER UN MATERIAU DE DEPART DE PLANTE POUR LA PRODUCTION, A PARTIR DE RESSOURCES SACCHARIFERES ET LIGNOCELLULOSIQUES, DE BIOETHANOL ET/OU DE SUCRE, ET PLANTE**
[72] BENJELLOUN MLAYAH, BOUCHRA, FR
[72] DELMAS, MICHEL, FR
[72] LEVASSEUR, GERARD, FR
[72] SCHOLASTIQUE, THIERRY, FR
[73] COMPAGNIE INDUSTRIELLE DE LA MATIERE VEGETALE - CIMV, FR
[85] 2010-11-25
[86] 2009-06-03 (PCT/EP2009/056806)
[87] (WO2010/006840)
[30] FR (0854121) 2008-06-23

---

[11] **2,726,208**
[13] C
[51] **Int.Cl. G06T 7/579 (2017.01) G06T 7/593 (2017.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DEPTH EXTRACTION OF IMAGES WITH FORWARD AND BACKWARD DEPTH PREDICTION**
[54] **SYSTEME ET PROCEDE D'EXTRACTION DE PROFONDEUR D'IMAGES AVEC PREDICTION DIRECTE ET INVERSE DE PROFONDEUR**
[72] ZHANG, DONG-QING, US
[72] IZZAT, IZZAT, US
[72] YOON, YOUNGSHIK, US
[73] THOMSON LICENSING, FR
[85] 2010-11-26
[86] 2008-05-28 (PCT/US2008/006770)
[87] (WO2009/145749)

---

[11] **2,727,500**
[13] C
[51] **Int.Cl. A61B 5/151 (2006.01) G01N 33/49 (2006.01) G01N 33/66 (2006.01)**
[25] EN
[54] **SENSOR STRIP POSITIONING MECHANISM**
[54] **MECANISME DE POSITIONNEMENT D'UNE BANDE CAPTEUR D'ANALYSE**
[72] MONDRO, JASON, US
[72] SCHIFF, DAVID, US
[72] GISLER, SCOTT W., US
[73] BECTON, DICKINSON AND COMPANY, US
[86] (2727500)
[87] (2727500)
[22] 2011-01-12
[30] US (12/689,643) 2010-01-19

[11] **2,728,967**
[13] C
[51] **Int.Cl. A61C 5/88 (2017.01) A61C 5/85 (2017.01)**
[25] EN
[54] **DENTAL WEDGE WITH TOOTH GUARD AND METHOD OF RESTORING A TOOTH USING THE SAME**
[54] **COIN INTERDENTAIRE AVEC PROTEGE-DENT ET METHODE DE REPARATION DE DENT AU MOYEN DUDIT COIN INTERDENTAIRE**
[72] MCDONALD, SIMON P., NZ
[73] DENTSPLY INTERNATIONAL INC., US
[86] (2728967)
[87] (2728967)
[22] 2011-01-21
[30] US (12/977,840) 2010-12-23

---

[11] **2,730,148**
[13] C
[51] **Int.Cl. A61K 31/496 (2006.01) A61K 31/167 (2006.01) A61K 31/34 (2006.01) A61K 31/4406 (2006.01) A61K 31/4525 (2006.01) A61K 31/497 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **NEUROPROTECTIVE AGENTS FOR THE PREVENTION AND TREATMENT OF NEURODEGENERATIVE DISEASES**
[54] **AGENTS NEUROPROTECTEURS POUR LA PREVENTION ET LE TRAITEMENT DE MALADIES NEURODEGENERATIVES**
[72] KOVACH, JOHN S., US
[73] LIXTE BIOTECHNOLOGY, INC., US
[85] 2011-01-07
[86] 2009-07-29 (PCT/US2009/004378)
[87] (WO2010/014220)
[30] US (61/137,658) 2008-08-01

---

[11] **2,731,225**
[13] C
[51] **Int.Cl. B01D 46/52 (2006.01) B01D 46/00 (2006.01)**
[25] EN
[54] **AIR CLEANER ASSEMBLY AND COMPONENTS THEREFOR**
[54] **ENSEMBLE EPURATEUR D'AIR ET SES COMPOSANTES**
[72] NELSON, BENNY KEVIN, US
[73] DONALDSON COMPANY, INC., US
[85] 2011-01-18
[86] 2009-07-21 (PCT/US2009/051214)
[87] (WO2010/011628)
[30] US (61/135,595) 2008-07-22

---

[11] **2,731,286**
[13] C
[51] **Int.Cl. B64D 45/00 (2006.01)**
[25] FR
[54] **AUTOMATIC AIRCRAFT PROTECTION DEVICE AND PROCESS TO COUNTER AN EXCESSIVE RATE-OF-DESCENT**
[54] **PROCEDE ET DISPOSITIF DE PROTECTION AUTOMATIQUE D'UN AERONEF CONTRE UN TAUX DE DESCENTE EXCESSIF**
[72] LOUISE, PASCALE, FR
[72] CORTET, EMMANUEL, FR
[72] GRANDPERRET, ERWIN, FR
[73] AIRBUS OPERATIONS (SAS), FR
[86] (2731286)
[87] (2731286)
[22] 2011-02-08
[30] FR (10 51073) 2010-02-16

---

[11] **2,731,971**
[13] C
[51] **Int.Cl. B65D 47/18 (2006.01) A61F 9/00 (2006.01)**
[25] FR
[54] **BOTTLE FOR PACKAGING LIQUID THAT IS TO BE DISPENSED DROP BY DROP, WITH ANTIBACTERIAL PROTECTION**
[54] **FLACON DE CONDITIONNEMENT DE LIQUIDE A DISTRIBUER GOUTTE A GOUTTE A PROTECTION ANTIBACTERIENNE**
[72] CHIBRET, JEAN-FREDERIC, FR
[72] DEFEMME, ALAIN, FR
[72] FAURIE, MICHEL, FR
[72] MERCIER, FABRICE, FR
[73] LABORATOIRES THEA, FR
[85] 2011-01-24
[86] 2009-07-31 (PCT/IB2009/006420)
[87] (WO2010/013131)
[30] FR (08/04420) 2008-07-31

---

[11] **2,732,177**
[13] C
[51] **Int.Cl. H01H 21/60 (2006.01) H01H 31/28 (2006.01)**
[25] EN
[54] **RESISTANCE DEVICE FOR HIGH VOLTAGE SWITCH ASSEMBLY**
[54] **DISPOSITIF A RESISTANCES POUR ENSEMBLE DE COMMUTATIONA HAUTE TENSION**
[72] DEFRANCE, ROBERT V., US
[72] DOBRINSKI, DANIEL D., US
[73] HUBBELL INCORPORATED, US
[86] (2732177)
[87] (2732177)
[22] 2011-02-18
[30] US (61/309,772) 2010-03-02
[30] US (13/006,908) 2011-01-14

[11] **2,733,247**
[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/407 (2006.01) A61K 31/423 (2006.01) A61K 31/4365 (2006.01) A61K 31/437 (2006.01) A61K 31/535 (2006.01) C07D 209/34 (2006.01) C07D 263/54 (2006.01) C07D 487/04 (2006.01) C07D 495/04 (2006.01)**
[25] EN
[54] **HETEROCYCLIC AMIDE DERIVATIVES AS EP4 RECEPTOR ANTAGONISTS**
[54] **DERIVES D'AMIDES HETEROCYCLIQUES EN TANT QU'ANTAGONISTES DU RECEPTEUR EP4**
[72] YUAN, WEI W., US
[73] NANJING ALLGEN PHARMA CO. LTD., CN
[85] 2011-02-07
[86] 2009-08-13 (PCT/US2009/053748)
[87] (WO2010/019796)
[30] US (61/188,888) 2008-08-14

---

[11] **2,733,373**
[13] C
[51] **Int.Cl. A61N 1/39 (2006.01) A61N 1/04 (2006.01) A61K 50/00 (2006.01)**
[25] EN
[54] **ELECTRODE DELIVERY SYSTEM**
[54] **SYSTEME DE MISE EN PLACE D'ELECTRODES**
[72] GARSTKA, ERICK, US
[72] SELVITELLI, DAVID, US
[72] COPP-HOWLAND, WARREN, US
[72] TREMBLAY, KATHLEEN, US
[72] GASIORSKI, CAROLINE, US
[73] KPR U.S., LLC, US
[86] (2733373)
[87] (2733373)
[22] 2011-03-04
[30] US (61/315,159) 2010-03-18

---

[11] **2,733,604**
[13] C
[51] **Int.Cl. B29C 45/74 (2006.01) B29C 45/20 (2006.01)**
[25] EN
[54] **INJECTION APPARATUS FOR INJECTION MOLDING OF THERMOPLASTIC PARTS**
[54] **PROCEDE D'INJECTION POUR LE MOULAGE PAR INJECTION DE PIECES THERMOPLASTIQUES**
[72] SCHMIDT, HARALD, CA
[73] MOLD HOTRUNNER SOLUTIONS INC., CA
[86] (2733604)
[87] (2733604)
[22] 2011-03-09
[30] US (12/755,095) 2010-04-06

---

[11] **2,735,030**
[13] C
[51] **Int.Cl. B42D 25/351 (2014.01) B42D 25/337 (2014.01) B42D 25/373 (2014.01)**
[25] EN
[54] **SECURITY ELEMENT**
[54] **ELEMENT DE SECURITE**
[72] MUELLER, MATTHIAS, DE
[73] HUECK FOLIEN GES.M.B.H., AT
[85] 2011-02-23
[86] 2009-07-06 (PCT/EP2009/004864)
[87] (WO2010/025787)
[30] EP (08014968.5) 2008-08-25

---

[11] **2,735,751**
[13] C
[51] **Int.Cl. E06B 7/14 (2006.01) E06B 3/66 (2006.01) E06B 3/673 (2006.01)**
[25] EN
[54] **FENESTRATION UNIT WATER RESTRICTOR AND METHOD**
[54] **BARRIERE ETANCHE POUR ENSEMBLE FENETRE ET PROCEDE CONNEXE**
[72] RYAN, AARON J., US
[72] HOOGLAND, JONATHAN S., US
[73] PELLA CORPORATION, US
[86] (2735751)
[87] (2735751)
[22] 2011-03-30
[30] US (12/751,613) 2010-03-31

---

[11] **2,736,857**
[13] C
[51] **Int.Cl. B60R 19/18 (2006.01) B29C 45/14 (2006.01) B60R 19/24 (2006.01)**
[25] EN
[54] **BUMPER BEAM WITH INTEGRATED ENERGY ABSORBER**
[54] **POUTRE DE PARE-CHOCS AVEC ABSORBEUR D'ENERGIE INTEGRE**
[72] CAVE, ALAN, CA
[72] DERNOVSEK, ROBERT, CA
[72] HAVEMAN, RICHARD W., CA
[73] MAGNA INTERNATIONAL INC., CA
[86] (2736857)
[87] (2736857)
[22] 2011-04-11
[30] US (61/342,159) 2011-04-09

---

[11] **2,738,375**
[13] C
[51] **Int.Cl. C10L 10/04 (2006.01) C07D 265/10 (2006.01) C09K 8/524 (2006.01) C09K 8/54 (2006.01) C23F 11/14 (2006.01)**
[25] EN
[54] **MULTIFUNCTIONAL COMPOSITION BASE 1, 3-OXAZINAN-6-ONES WITH CORROSION INHIBITION AND HEAVY ORGANIC COMPOUNDS INHIBITION AND DISPERSANTS AND OBTAINING PROCESS**
[54] **BASE MULTIFONCTIONNELLE DE 1,3 OXAZINAN-6-ONES COMBINEE A L'INHIBITION DE LA CORROSION ET A L'INHIBITION DE COMPOSES ORGANIQUES LOURDS, DISPERSANTS ET PROCEDES POUR LES OBTENIR**
[72] HERNANDEZ ALTAMIRANO, RAUL, MX
[72] MENA CERVANTEZ, VIOLETA YASMIN, MX
[72] ZAMUDIO RIVERA, LUIS SILVESTRE, MX
[72] BELTRAN CONDE, HIRAM ISAAC, MX
[72] BUENROSTRO GONZALEZ, EDUARDO, MX
[73] INSTITUTO MEXICANO DEL PETROLEO, MX
[86] (2738375)
[87] (2738375)
[22] 2011-04-27
[30] MX (MX/A/2010/004777) 2010-04-30

[11] **2,739,428**
[13] C
[51] **Int.Cl. C10M 129/56 (2006.01) C10M 137/08 (2006.01) C10M 141/10 (2006.01)**
[25] EN
[54] **LUBRICATING COMPOSITION CONTAINING METAL CARBOXYLATE**
[54] **COMPOSITION DE LUBRIFICATION CONTENANT UN CARBOXYLATE DE METAL**
[72] BARTLEY, STUART L., US
[72] BAKER, MARK R., US
[73] THE LUBRIZOL CORPORATION, US
[85] 2011-04-01
[86] 2009-10-21 (PCT/US2009/061408)
[87] (WO2010/048244)
[30] US (61/107,811) 2008-10-23

---

[11] **2,740,885**
[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 487/02 (2006.01)**
[25] EN
[54] **FUSED RING HETEROARYL KINASE INHIBITORS**
[54] **INHIBITEURS D'HETEROARYLKINASE A NOYAU FUSIONNE**
[72] DAR, ARVIN, US
[72] SHOKAT, KEVAN M., US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2011-04-15
[86] 2009-10-16 (PCT/US2009/060985)
[87] (WO2010/045542)
[30] US (61/106,137) 2008-10-16
[30] US (61/106,453) 2008-10-17

---

[11] **2,741,762**
[13] C
[51] **Int.Cl. C12Q 1/70 (2006.01)**
[25] EN
[54] **A GENETIC MARKER FOR DETECTION OF HUMAN PAPILLOMAVIRUS**
[54] **MARQUEUR GENETIQUE POUR LA DETECTION DU PAPILLOMAVIRUS HUMAIN**
[72] MELKONYAN, HOVSEP S., US
[72] UMANSKY, SAMUIL R., US
[72] XIN, ZHENGHAN, US
[73] TROVAGENE, INC., US
[85] 2011-04-27
[86] 2009-10-26 (PCT/US2009/062114)
[87] (WO2010/051261)
[30] US (61/197,850) 2008-10-31

---

[11] **2,743,010**
[13] C
[51] **Int.Cl. H04L 29/06 (2006.01) H04W 12/06 (2009.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SUPPORTING SIP SESSION POLICY USING EXISTING AUTHORIZATION ARCHITECTURE AND PROTOCOLS**
[54] **PROCEDE ET SYSTEME PERMETTANT LA PRISE EN CHARGE D'UNE POLITIQUE DE SESSION SIP A L'AIDE DE L'ARCHITECTURE D'AUTORISATION ET DES PROTOCOLES D'AUTORISATION EXISTANTS**
[72] MONTEMURRO, MICHAEL, CA
[72] ALLEN, ANDREW, US
[72] BUCKLEY, ADRIAN, US
[73] BLACKBERRY LIMITED, CA
[85] 2011-05-06
[86] 2009-11-10 (PCT/US2009/063811)
[87] (WO2010/054354)
[30] US (61/112,873) 2008-11-10

---

[11] **2,743,278**
[13] C
[51] **Int.Cl. C22B 7/00 (2006.01) B03C 1/00 (2006.01)**
[25] FR
[54] **METHOD FOR RECOVERING METALS CONTAINED IN ELECTRONIC WASTE**
[54] **PROCEDE DE RECUPERATION DES METAUX CONTENUS DANS LES DECHETS ELECTRONIQUES A MATIERES PLASTIQUES**
[72] THOMAS, CHRISTIAN, FR
[72] MENUET, JOEL, FR
[72] VANHELLE, GERVAIS, FR
[73] WEEE METALLICA, FR
[85] 2011-05-10
[86] 2009-11-13 (PCT/IB2009/055059)
[87] (WO2010/055489)
[30] FR (08/06357) 2008-11-14

---

[11] **2,743,524**
[13] C
[51] **Int.Cl. H04B 10/61 (2013.01) H04L 27/26 (2006.01)**
[25] EN
[54] **ZERO MEAN CARRIER RECOVERY**
[54] **RECUPERATION DE PORTEUSE A MOYENNE NULLE**
[72] ROBERTS, KIM B., CA
[72] AWADALLA, AHMED, CA
[73] CIENA LUXEMBOURG S.A.R.L., LU
[86] (2743524)
[87] (2743524)
[22] 2011-06-16

---

[11] **2,745,272**
[13] C
[51] **Int.Cl. G16H 40/20 (2018.01) G16H 40/63 (2018.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR AUTOMATICALLY INTEGRATING A MEDICAL DEVICE INTO A MEDICAL FACILITY NETWORK**
[54] **PROCEDE ET APPAREIL POUR INTEGRER AUTOMATIQUEMENT UN DISPOSITIF MEDICAL DANS UN RESEAU D'INSTALLATIONS MEDICALES**
[72] SOBIE, ROBERT ANDREW, US
[73] CAREFUSION 303, INC., US
[85] 2011-05-31
[86] 2009-11-30 (PCT/US2009/066140)
[87] (WO2010/065472)
[30] US (12/327,614) 2008-12-03

[11] **2,746,054**
[13] C
[51] **Int.Cl. C07C 233/43 (2006.01) A61K 31/167 (2006.01) A61K 31/444 (2006.01) C07D 213/40 (2006.01)**
[25] EN
[54] **SMALL MOLECULE MODULATORS OF EPIGENETIC REGULATION AND THEIR THERAPEUTIC APPLICATIONS**
[54] **MODULATEURS A PETITE MOLECULE DE LA REGULATION EPIGENETIQUE ET LEURS APPLICATIONS THERAPEUTIQUES**
[72] CHEN, LIN, US
[72] JAYATHILAKA, NIMANTHI, US
[72] HAN, AIDONG, US
[72] PETASIS, NICOS A., US
[73] UNIVERSITY OF SOUTHERN CALIFORNIA, US
[85] 2011-06-07
[86] 2009-11-05 (PCT/US2009/063456)
[87] (WO2010/054126)
[30] US (61/111,689) 2008-11-05
[30] US (61/246,934) 2009-09-29

---

[11] **2,746,073**
[13] C
[51] **Int.Cl. F24D 13/02 (2006.01) F24D 15/02 (2006.01)**
[25] EN
[54] **HEATER ASSEMBLY**
[54] **ENSEMBLE DE CHAUFFAGE**
[72] STINSON, KELLY, CA
[72] UNSWORTH, GRANT, CA
[73] DIMPLEX NORTH AMERICA LIMITED, CA
[86] (2746073)
[87] (2746073)
[22] 2011-07-12
[30] US (61/363,815) 2010-07-13

---

[11] **2,746,581**
[13] C
[51] **Int.Cl. C09C 1/02 (2006.01) C09C 1/04 (2006.01) C09C 3/04 (2006.01) D21H 17/00 (2006.01)**
[25] EN
[54] **PROCESS FOR MANUFACTURING AQUEOUS SUSPENSIONS OF MINERAL MATERIALS OR DRIED MINERAL MATERIALS, THE OBTAINED PRODUCTS, AS WELL AS USES THEREOF**
[54] **PROCEDE POUR LA FABRICATION DE SUSPENSIONS AQUEUSES DE MATIERES MINERALES OU DE MATIERES MINERALES SECHEES, PRODUITS AINSI OBTENUS ET LEURS UTILISATIONS**
[72] GANE, PATRICK A.C., CH
[72] BURI, MATTHIAS, CH
[72] KARTH, BEAT, CH
[72] RENTSCH, SAMUEL, CH
[73] OMYA INTERNATIONAL AG, CH
[85] 2011-06-10
[86] 2009-12-16 (PCT/EP2009/067310)
[87] (WO2010/070002)
[30] EP (08172465.0) 2008-12-19
[30] US (61/249,771) 2009-10-08

---

[11] **2,747,598**
[13] C
[51] **Int.Cl. B02C 18/00 (2006.01) B02C 25/00 (2006.01)**
[25] EN
[54] **THICKNESS ADJUSTED MOTOR CONTROLLER**
[54] **DISPOSITIF DE COMMANDE DE MOTEUR A REGLAGE EN FONCTION DE L'EPAISSEUR**
[72] JENSEN, MICHAEL D., US
[73] FELLOWES, INC., US
[85] 2011-06-16
[86] 2009-12-23 (PCT/US2009/069426)
[87] (WO2010/078195)
[30] US (12/348,420) 2009-01-05

---

[11] **2,747,854**
[13] C
[51] **Int.Cl. B29C 64/124 (2017.01) B29C 64/223 (2017.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR LAYERWISE PRODUCTION OF A 3D OBJECT**
[54] **PROCEDE ET APPAREIL POUR LA PRODUCTION PAR COUCHES D'UN OBJET EN 3D**
[72] VERMEER, ADRIANUS JOHANNES PETRUS MARIA, NL
[72] MAALDERINK, HERMAN HENDRIKUS, NL
[72] JAMAR, JACOBUS HUBERTUS THEODOOR, NL
[72] RIJFERS, ANDRIES, NL
[72] VAES, MARK HERMAN ELSE, NL
[73] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL
[85] 2011-06-21
[86] 2009-12-18 (PCT/NL2009/050783)
[87] (WO2010/074566)
[30] EP (08172644.0) 2008-12-22
[30] EP (09164821.2) 2009-07-07

---

[11] **2,748,265**
[13] C
[51] **Int.Cl. C12Q 1/6851 (2018.01) C12Q 1/686 (2018.01)**
[25] EN
[54] **MONOCHROME MULTIPLEX QUANTITATIVE PCR**
[54] **PCR QUANTITATIVE MULTIPLEX MONOCHROME**
[72] CAWTHON, RICHARD M., US
[73] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US
[85] 2011-06-22
[86] 2009-12-22 (PCT/US2009/069243)
[87] (WO2010/075413)
[30] US (61/139,890) 2008-12-22

[11] **2,748,390**
[13] C
[51] **Int.Cl. G05D 1/00 (2006.01) G01P 13/02 (2006.01)**
[25] FR
[54] **ELECTRONIC CIRCUIT FOR DETERMINING A DATUM REPRESENTATIVE OF AN AIR PARAMETER, AND SYSTEM INCLUDING SUCH A CIRCUIT**
[54] **CIRCUIT ELECTRONIQUE DE DETERMINATION D'UNE DONNEE REPRESENTATIVE D'UN PARAMETRE DE L'AIR ET SYSTEME COMPRENANT UN TEL CIRCUIT**
[72] FEAU, JULIEN, FR
[73] AIRBUS OPERATIONS, FR
[85] 2011-06-23
[86] 2010-01-21 (PCT/FR2010/000056)
[87] (WO2010/086526)
[30] FR (0950532) 2009-01-28

---

[11] **2,748,544**
[13] C
[51] **Int.Cl. C07F 5/02 (2006.01) G01N 21/76 (2006.01)**
[25] FR
[54] **DIPYRROMETHENE-BORON HYDROPHILIC FLUORESCENT COMPOUNDS**
[54] **COMPOSES FLUORESCENTS HYDROPHILES A BASE DE DIPYRROMETHENES-BORE**
[72] ULRICH, GILLES, FR
[72] ZIESSEL, RAYMOND, FR
[72] NIU, SONG-LIN, FR
[72] HAEFELE, ALEXANDRE, FR
[72] BURA, THOMAS, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.R.S.), FR
[73] UNIVERSITE DE STRASBOURG, FR
[85] 2011-06-28
[86] 2009-12-18 (PCT/FR2009/052606)
[87] (WO2010/076516)
[30] FR (0859098) 2008-12-29

---

[11] **2,748,812**
[13] C
[51] **Int.Cl. A61F 2/16 (2006.01) A61F 9/00 (2006.01)**
[25] EN
[54] **INTRAOCULAR LENSES AND METHODS OF ACCOUNTING FOR CAPSULE SIZE VARIABILITY AND POST-IMPLANT CHANGES IN THE EYE**
[54] **LENTILLES INTRAOCULAIRES ET PROCEDES PERMETTANT DE TENIR COMPTE DE LA VARIABILITE DE DIMENSION DES CAPSULES ET DES MODIFICATIONS POST-IMPLANTATION DANS L'□IL**
[72] ARGENTO, CLAUDIO, US
[72] SMILEY, TERAH WHITING, US
[72] FLAHERTY, BRYAN PATRICK, US
[72] CHESKIN, BARRY, US
[73] POWERVISION, INC., US
[85] 2011-06-29
[86] 2010-01-11 (PCT/US2010/020648)
[87] (WO2010/081093)
[30] US (61/143,559) 2009-01-09

---

[11] **2,748,969**
[13] C
[51] **Int.Cl. H01L 27/146 (2006.01)**
[25] EN
[54] **ELECTROMAGNETIC RADIATION SENSOR AND METHOD OF MANUFACTURE**
[54] **CAPTEUR DE RAYONNEMENT ELECTROMAGNETIQUE ET PROCEDE DE FABRICATION**
[72] LIGER, MATTHIEU, US
[73] ROBERT BOSCH GMBH, DE
[85] 2011-07-05
[86] 2010-01-06 (PCT/US2010/020237)
[87] (WO2010/080815)
[30] US (12/349,860) 2009-01-07

---

[11] **2,749,259**
[13] C
[51] **Int.Cl. A23K 50/80 (2016.01) A23K 20/142 (2016.01) A23K 20/158 (2016.01) A23K 40/25 (2016.01)**
[25] EN
[54] **FEED ADDITIVE**
[54] **ADDITIF ALIMENTAIRE**
[72] KOPPE, WOLFGANG M., NO
[72] OBACH, ALEX, NO
[72] NANKERVIS, LEO, NO
[73] NUTRECO IP ASSETS B.V., NL
[85] 2011-07-08
[86] 2010-01-25 (PCT/NO2010/000027)
[87] (WO2010/087715)
[30] NO (20090414) 2009-01-28

---

[11] **2,750,777**
[13] C
[51] **Int.Cl. C07D 491/10 (2006.01) A61K 31/424 (2006.01) A61K 31/429 (2006.01) A61K 31/438 (2006.01) C07D 491/20 (2006.01) C07D 495/10 (2006.01) C07D 498/10 (2006.01) C07D 513/10 (2006.01)**
[25] EN
[54] **BICYCLIC HETEROCYCLIC SPIRO COMPOUNDS**
[54] **COMPOSES SPIRO HETEROCYCLIQUES BICYCLIQUES**
[72] FISHER, ABRAHAM, IL
[72] BAR-NER, NIRA, IL
[72] NACHUM, VICTORIA, IL
[73] ISRAEL INSTITUTE FOR BIOLOGICAL RESEARCH, IL
[85] 2011-07-26
[86] 2010-01-26 (PCT/IL2010/000064)
[87] (WO2010/084499)
[30] US (61/147,143) 2009-01-26

---

[11] **2,751,729**
[13] C
[51] **Int.Cl. H04W 4/029 (2018.01) H04W 64/00 (2009.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR GENERATING AND USING LOCATION INFORMATION**
[54] **METHODE ET APPAREIL PERMETTANT DE GENERER ET D'UTILISER DES INFORMATIONS DE LOCALISATION**
[72] LI, ANDREY, CA
[73] BLACKBERRY LIMITED, CA
[86] (2751729)
[87] (2751729)
[22] 2011-09-02
[30] EP (10175191.5) 2010-09-03

[11] **2,752,802**
[13] C
[51] **Int.Cl. C12Q 1/6827 (2018.01) C12Q 1/6858 (2018.01) C12Q 1/6883 (2018.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **CTGF GENE ALTERATIONS RELATED TO HEPATIC FIBROID SUSCEPTIBILITY**
[54] **MODIFICATIONS DE GENE CTCG ASSOCIEES A LA SUSCEPTIBILITE AU FIBROIDE HEPATIQUE**
[72] DESSEIN, ALAIN, FR
[72] ARNAUD, VIOLAINE, FR
[72] CHEVILLARD, CHRISTOPHE, FR
[73] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[73] UNIVERSITE D'AIX-MARSEILLE, FR
[85] 2011-08-16
[86] 2010-02-18 (PCT/EP2010/052048)
[87] (WO2010/094740)
[30] EP (09305159.7) 2009-02-19

[11] **2,753,092**
[13] C
[51] **Int.Cl. B21D 53/88 (2006.01) B21D 7/00 (2006.01) B21D 9/15 (2006.01) B21D 22/18 (2006.01) B21D 22/26 (2006.01) B21D 26/02 (2011.01) B21D 35/00 (2006.01) B62D 21/00 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCING TAILORED TUBES**
[54] **PROCEDE DE PRODUCTION DE TUBES TAILLES SUR MESURE**
[72] DICESARE, GIOVANNI, US
[73] MAGNA INTERNATIONAL INC., CA
[85] 2011-08-16
[86] 2010-03-12 (PCT/CA2010/000370)
[87] (WO2010/105341)
[30] US (61/161,483) 2009-03-19

[11] **2,753,614**
[13] C
[51] **Int.Cl. A22C 13/00 (2006.01) A23L 13/60 (2016.01) B65D 75/00 (2006.01)**
[25] EN
[54] **CASING FOR FOODSTUFF**
[54] **BOYAU POUR PRODUIT ALIMENTAIRE**
[72] SCHAEFER, EKKENHARDT TH. F., DE
[73] WORLD PAC INTERNATIONAL AG, DE
[86] (2753614)
[87] (2753614)
[22] 2011-09-28
[30] DE (10 2010 047 094.5) 2010-10-01

[11] **2,753,652**
[13] C
[51] **Int.Cl. A61K 31/00 (2006.01) A61K 31/201 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **SERINE PALMITOYLTRANSFERASE INHIBITORS FOR PREVENTING AND DELAYING RETINITIS PIGMENTOSA**
[54] **INHIBITEURS DE LA SERINE PALMITOYLTRANSFERASE DESTINES A LA PREVENTION ET AU RALENTISSEMENT D'UNE RETINITE PIGMENTAIRE**
[72] GHIDONI, RICCARDO, IT
[72] STRETTOI, ENRICA, IT
[72] GARGINI, MARIA CLAUDIA, IT
[72] GASCO, PAOLO, IT
[73] CONSIGLIO NAZIONALE DELLE RICERCHE, IT
[73] UNIVERSITA' DEGLI STUDI DI MILANO, IT
[73] UNIVERSITA' DEGLI STUDI DI PISA, IT
[73] NANOVECTOR S.R.L., IT
[85] 2011-08-25
[86] 2010-02-23 (PCT/EP2010/001119)
[87] (WO2010/097201)
[30] IT (MI2009A000284) 2009-02-26

[11] **2,753,903**
[13] C
[51] **Int.Cl. G06F 3/041 (2006.01) G06F 3/0354 (2013.01)**
[25] EN
[54] **DETECTING TOUCH ON A CURVED SURFACE**
[54] **DETECTION DE CONTACT SUR UNE SURFACE COURBE**
[72] ROSENFELD, DANIEL, US
[72] WESTHUES, JONATHAN, US
[72] IZADI, SHAHRAM, US
[72] VILLAR, NICOLAS, US
[72] BENKO, HRVOJE, US
[72] HELMES, JOHN, US
[72] JENKINS, KURT ALLEN, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2011-08-29
[86] 2010-03-25 (PCT/US2010/028720)
[87] (WO2010/117664)
[30] US (61/164,830) 2009-03-30
[30] US (12/488,430) 2009-06-19

[11] **2,753,911**
[13] C
[51] **Int.Cl. C08F 289/00 (2006.01) C09D 191/00 (2006.01)**
[25] EN
[54] **HYDROXYL FUNCTIONAL OIL POLYOL ACRYLIC GRAFT COPOLYMERS**
[54] **COPOLYMERES ACRYLIQUES GREFFES DE POLYOLS D'HUILES HYDROXYLEES**
[72] CRAUN, GARY P., US
[72] STELLA, GUY J., US
[72] GARDNER, KENNETH J., US
[72] TELFORD, DAVID J., US
[73] AKZO NOBEL COATINGS INTERNATIONAL B.V., NL
[85] 2011-08-29
[86] 2010-03-02 (PCT/EP2010/052576)
[87] (WO2010/100121)
[30] US (61/157,732) 2009-03-05
[30] EP (09160286.2) 2009-05-14

[11] **2,754,268**
[13] C
[51] **Int.Cl. H04L 9/14 (2006.01)**
[25] EN
[54] **SPLIT KEY SECURE ACCESS SYSTEM**
[54] **SYSTEME D'ACCES SECURISE A CLE FRACTIONNEE**
[72] GIULIANI, KENNETH J., CA
[72] MURTY, VIJAYAKUMAR, P., CA
[72] MURTY, VIJAYAKUMAR P., CA
[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2011-09-02
[86] 2010-03-03 (PCT/CA2010/000286)
[87] (WO2010/099603)
[30] US (61/156,915) 2009-03-03

---

[11] **2,755,577**
[13] C
[51] **Int.Cl. G06Q 30/02 (2012.01) H04L 12/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF SELECTING A RELEVANT USER FOR INTRODUCTION TO A USER IN AN ONLINE ENVIRONMENT**
[54] **SYSTEME ET PROCEDE POUR SELECTIONNER UN UTILISATEUR PERTINENT POUR L'INTRODUIRE AUPRES D'UN UTILISATEUR D'UN ENVIRONNEMENT EN LIGNE**
[72] SCHLEIER-SMITH, JOHANN M., US
[73] IFWE INC., US
[85] 2011-09-15
[86] 2010-02-25 (PCT/US2010/025461)
[87] (WO2010/107566)
[30] US (12/407,746) 2009-03-19

---

[11] **2,755,992**
[13] C
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 9/48 (2006.01)**
[25] FR
[54] **COMPRESSIBLE AND FREE-FLOW CO-AGGLOMERATES OF MANNITOL AND GRANULAR STARCH**
[54] **COAGGLOMERATS DE MANNITOL ET D'AMIDON GRANULAIRE COMPRIMABLES ET A ECOULEMENT LIBRE**
[72] BOIT, BAPTISTE, FR
[72] FRANCOIS, ALAIN, FR
[72] LEFEVRE, PHILIPPE, FR
[72] PASSE, DAMIEN, FR
[73] ROQUETTE FRERES, FR
[85] 2011-09-19
[86] 2010-04-28 (PCT/FR2010/050813)
[87] (WO2010/125313)
[30] FR (09 52894) 2009-04-30

---

[11] **2,757,332**
[13] C
[51] **Int.Cl. G03G 15/08 (2006.01)**
[25] EN
[54] **DEVELOPER SUPPLY CONTAINER AND DEVELOPER SUPPLYING SYSTEM**
[54] **CONTENANT DE REMPLISSAGE DE DEVELOPPATEUR ET SYSTEME DE REMPLISSAGE DE DEVELOPPATEUR**
[72] OKINO, AYATOMO, JP
[72] NAGASHIMA, TOSHIAKI, JP
[72] MURAKAMI, KATSUYA, JP
[72] TAZAWA, FUMIO, JP
[72] YAMADA, YUSUKE, JP
[73] CANON KABUSHIKI KAISHA, JP
[85] 2011-09-29
[86] 2010-03-30 (PCT/JP2010/056134)
[87] (WO2010/114154)
[30] JP (2009-082077) 2009-03-30

---

[11] **2,758,175**
[13] C
[51] **Int.Cl. F02C 7/06 (2006.01) F01D 25/16 (2006.01) F02K 3/02 (2006.01)**
[25] FR
[54] **DOUBLE-BODY GAS TURBINE ENGINE PROVIDED WITH AN INTER-SHAFT BEARING**
[54] **MOTEUR A TURBINE A GAZ A DOUBLE CORPS POURVU D ' UN PALIER INTER-ARBRES**
[72] BART, JACQUES RENE, FR
[72] ESCURE, DIDIER RENE ANDRE, FR
[72] GASTINEAU, ORNELLA, FR
[73] SNECMA, FR
[85] 2011-10-07
[86] 2010-04-15 (PCT/EP2010/055003)
[87] (WO2010/119115)
[30] FR (0952515) 2009-04-17

---

[11] **2,760,095**
[13] C
[51] **Int.Cl. F41B 5/14 (2006.01) F41B 5/10 (2006.01)**
[25] EN
[54] **COMPOUND BOWS WITH MODIFIED CAMS**
[54] **ARCS COMPOSITES AVEC CAMES MODIFIEES**
[72] EVANS, JOHN D., CA
[73] EVANS, JOHN D., CA
[85] 2011-10-26
[86] 2010-04-28 (PCT/CA2010/000613)
[87] (WO2010/124368)
[30] US (12/431,435) 2009-04-28

[11] **2,760,293**
[13] C
[51] **Int.Cl. F16L 1/00 (2006.01) B65D 90/00 (2006.01) F16L 13/00 (2006.01) F16L 55/00 (2006.01) G06K 7/00 (2006.01) G06K 19/06 (2006.01) G06K 19/07 (2006.01)**
[25] EN
[54] **SYSTEM FOR IDENTIFYING JOINTS OF ELEMENTS TO BE ASSEMBLED INTENDED FOR FORMING AN ASSEMBLY SUCH AS, IN PARTICULAR, A PIPELINE OR A TANK, AND IDENTIFICATION METHOD USED IN SUCH A SYSTEM**
[54] **SYSTEME D'IDENTIFICATION DE JOINTS D'ELEMENTS A ASSEMBLER DESTINE A FORMER UN ASSEMBLAGE COMME, EN PARTICULIER, UN PIPELINE OU UN RESERVOIR, ET METHODE D'IDENTIFICATION EMPLOYEE DANS UN TEL SYSTEME**
[72] CASTREC, FREDERIC, FR
[72] GRAINDOR, GUILLAUME, FR
[72] HIGELIN, OLIVIER, FR
[73] SERIMAX, FR
[85] 2011-10-27
[86] 2010-04-28 (PCT/EP2010/055728)
[87] (WO2010/125108)
[30] FR (0952823) 2009-04-29

[11] **2,760,837**
[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/198 (2006.01) A61K 31/438 (2006.01) A61K 31/4725 (2006.01) A61K 31/495 (2006.01) A61P 25/30 (2006.01)**
[25] EN
[54] **7-([1,2,4]TRIAZOLO[1,5-.ALPHA.]PYRIDIN-6-YL)-4-(3,4-DICHLOROPHENYL)-1,2,3,4-TETRAHYDROISOQUINOLINE AND USE THEREOF**
[54] **7-([1,2,4]TRIAZOLO[1,5-.ALPHA.]PYRIDIN-6-YL)-4-(3,4-DICHLOROPHENYL)-1,2,3,4-TETRAHYDROISOQUINOLINE ET SON UTILISATION**
[72] LIU, SHUANG, US
[72] MOLINO, BRUCE F., US
[72] NACRO, KASSOUM, US
[73] ALBANY MOLECULAR RESEARCH, INC., US
[85] 2011-11-02
[86] 2010-05-11 (PCT/US2010/034379)
[87] (WO2010/132442)
[30] US (61/177,474) 2009-05-12

[11] **2,761,910**
[13] C
[51] **Int.Cl. F21V 29/74 (2015.01) F21K 9/00 (2016.01) F21V 3/02 (2006.01)**
[25] EN
[54] **ELECTRIC LAMP**
[54] **LAMPE ELECTRIQUE**
[72] ANSEMS, JOHANNES P. M., NL
[72] MARINUS, ANTONIUS A. M., NL
[72] GIELEN, VINCENT S. D., NL
[73] PHILIPS LIGHTING HOLDING B.V., NL
[85] 2011-11-14
[86] 2010-05-06 (PCT/IB2010/051996)
[87] (WO2010/131166)
[30] EP (09160399.3) 2009-05-15
[30] EP (09169384.6) 2009-09-03

[11] **2,763,294**
[13] C
[51] **Int.Cl. B01D 53/64 (2006.01) B01D 53/14 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR REMOVING MERCURY FROM A GAS**
[54] **APPAREIL ET PROCEDE D'ELIMINATION DU MERCURE D'UN GAZ**
[72] DICKSON, GRAHAM C., CA
[73] DICKSON, GRAHAM C., CA
[85] 2011-11-23
[86] 2010-07-22 (PCT/CA2010/001162)
[87] (WO2011/009217)
[30] US (61/228,503) 2009-07-24

[11] **2,763,871**
[13] C
[51] **Int.Cl. A61M 27/00 (2006.01) A61M 1/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR PROVIDING CONTINUAL DRAINAGE IN NEGATIVE PRESSURE WOUND THERAPY**
[54] **SYSTEME PERMETTANT D'ASSURER UN DRAINAGE CONTINU EN TRAITEMENT DES PLAIES PAR PRESSION NEGATIVE**
[72] BRAGA, RICHARD M., US
[72] VESS, MARK A., US
[72] SWISHER, DAVID R., US
[72] SHAH, CHIRAG B., US
[73] SMITH & NEPHEW, INC., US
[85] 2011-11-29
[86] 2009-06-08 (PCT/US2009/046580)
[87] (WO2010/141030)
[30] US (12/475,954) 2009-06-01

[11] **2,763,890**
[13] C
[51] **Int.Cl. A61B 5/022 (2006.01) A61B 5/02 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR DETECTING AND ASSESSING REACTIVE HYPEREMIA USING SEGMENTAL PLETHYSMOGRAPHY**
[54] **PROCEDE ET DISPOSITIF PERMETTANT DE DETECTER ET D'EVALUER UNE HYPEREMIE REACTIONNELLE, GRACE A LA PLETHYSMOGRAPHIE SEGMENTAIRE**
[72] WHITT, MICHAEL DAVID, US
[72] MAGLIATO, KATHY ELIZABETH, US
[72] RITTERBUSH, STEPHEN, US
[73] CORDEX SYSTEMS, INC., US
[85] 2011-11-29
[86] 2010-06-02 (PCT/US2010/001605)
[87] (WO2010/141081)
[30] US (61/213,369) 2009-06-02

[11] **2,764,325**
[13] C
[51] **Int.Cl. A62C 3/02 (2006.01) A62C 99/00 (2010.01) F42B 12/44 (2006.01)**
[25] EN
[54] **AN INCENDIARY CAPSULE**
[54] **CAPSULE INCENDIAIRE**
[72] STEVENSON, ROBERT ANDREW, AU
[72] FOTI, VINCENZO, AU
[73] RAINDANCE SYSTEMS PTY LTD, AU
[85] 2011-12-02
[86] 2010-06-04 (PCT/AU2010/000694)
[87] (WO2010/139022)
[30] AU (2009902574) 2009-06-04

[11] **2,765,174**
[13] C
[51] **Int.Cl. H04W 60/00 (2009.01) H04W 48/20 (2009.01) H04W 84/18 (2009.01)**
[25] EN
[54] **ADVANCED COMMISSIONING OF WIRELESS NETWORK SYSTEMS**
[54] **MISE EN SERVICE AVANCEE DE SYSTEMES DE RESEAU SANS FIL**
[72] MC CORMACK, JAMES J.A., NL
[73] PHILIPS LIGHTING HOLDING B.V., NL
[85] 2011-12-09
[86] 2010-06-08 (PCT/IB2010/052533)
[87] (WO2010/143130)
[30] EP (09162445.2) 2009-06-10
[30] EP (09175930.8) 2009-11-13

[11] **2,765,799**
[13] C
[51] **Int.Cl. C12N 7/02 (2006.01) A61K 39/145 (2006.01) C07K 14/11 (2006.01)**
[25] EN
[54] **SYSTEM FOR THE HETEROLOGOUS EXPRESSION OF A VIRAL PROTEIN IN A CILIATE HOST CELL**
[54] **SYSTEME POUR L'EXPRESSION HETEROLOGUE D'UNE PROTEINE VIRALE DANS UNE CELLULE HOTE CILIEE**
[72] HARTMANN, MARCUS, DE
[72] SACHSE, CHRISTINE, DE
[72] APELT, JENNY, DE
[72] BOCKAU, ULRIKE, DE
[73] CILIAN AG, DE
[85] 2011-12-16
[86] 2010-06-15 (PCT/EP2010/058360)
[87] (WO2010/146043)
[30] GB (0910357.3) 2009-06-17

[11] **2,766,269**
[13] C
[51] **Int.Cl. A61K 31/5575 (2006.01) A61J 1/05 (2006.01) A61K 9/08 (2006.01) A61K 47/18 (2017.01) A61K 47/32 (2006.01) A61K 47/38 (2006.01) A61P 27/06 (2006.01)**
[25] EN
[54] **METHOD FOR IMPROVING BIOAVAILABILITY OF LATANOPROST**
[54] **PROCEDE D'AMELIORATION DE LA BIODISPONIBILITE DU LATANOPROST**
[72] REUNAMAKI, TIMO, FI
[72] TERVO, PAULA, FI
[72] LOKKILA, JUKKA, FI
[72] PELLINEN, PERTTI, FI
[72] ALAJUUMA, PAIVI, FI
[72] OKSALA, OLLI, FI
[73] SANTEN PHARMACEUTICAL CO., LTD., JP
[85] 2011-12-21
[86] 2010-06-23 (PCT/JP2010/004179)
[87] (WO2011/001634)
[30] EP (09397519.1) 2009-06-30

[11] **2,766,587**
[13] C
[51] **Int.Cl. A24B 15/10 (2006.01) A24B 13/00 (2006.01)**
[25] EN
[54] **SMOKELESS TOBACCO PRODUCT**
[54] **PRODUIT DE TABAC SANS FUMEE**
[72] FUISZ, RICHARD C., US
[73] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2011-12-22
[86] 2010-06-29 (PCT/US2010/040382)
[87] (WO2011/011168)
[30] US (12/494,960) 2009-06-30

[11] **2,768,658**
[13] C
[51] **Int.Cl. A61K 51/00 (2006.01) A61K 51/10 (2006.01) C07H 21/00 (2006.01) C07K 1/13 (2006.01) C07K 16/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS FOR GENERATING RADIOIMMUNOCONJUGATES**
[54] **PROCEDES DE GENERATION DE RADIOIMMUNOCONJUGUES**
[72] SIMON, JAIME, US
[72] KING, A. GAYLORD, US
[72] MORENO BERMUDEZ, JOSUE MANUEL, DE
[73] ACTINIUM PHARMACEUTICALS, INC., US
[85] 2012-01-19
[86] 2010-07-22 (PCT/US2010/042885)
[87] (WO2011/011592)
[30] US (61/227,710) 2009-07-22

[11] **2,769,004**
[13] C
[51] **Int.Cl. A61C 17/02 (2006.01) A61C 17/028 (2006.01)**
[25] EN
[54] **ORAL CARE DEVICE**
[54] **DISPOSITIF DE SOIN BUCCAL**
[72] MCDONOUGH, JUSTIN, US
[72] FOUGERE, RICHARD J., US
[72] FUSI, ROBERT W., II, US
[72] BINNER, CURT, US
[72] REDDY, MEGHA, US
[73] MCNEIL-PPC, INC., US
[85] 2012-01-24
[86] 2010-07-29 (PCT/US2010/043651)
[87] (WO2011/014619)
[30] US (61/229,839) 2009-07-30
[30] US (12/844,875) 2010-07-28

[11] **2,769,732**
[13] C
[51] **Int.Cl. H04N 19/117 (2014.01) H04N 19/174 (2014.01) H04N 19/176 (2014.01) H04N 19/46 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **IMAGE PROCESSING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE TRAITEMENT D'IMAGE**
[72] KONDO, KENJI, JP
[72] TANAKA, JUNICHI, JP
[73] SONY CORPORATION, JP
[85] 2012-01-31
[86] 2010-08-10 (PCT/JP2010/063514)
[87] (WO2011/021530)
[30] JP (2009-189990) 2009-08-19

[11] **2,770,470**
[13] C
[51] **Int.Cl. E04F 15/02 (2006.01) A47G 27/02 (2006.01) E04F 15/10 (2006.01)**
[25] EN
[54] **A METHOD OF ASSEMBLING RESILIENT FLOORBOARDS WHICH ARE PROVIDED WITH A MECHANICAL LOCKING SYSTEM**
[54] **PROCEDE D'ASSEMBLAGE DE LAMES A PARQUET SOUPLES QUI SONT EQUIPEES D'UN SYSTEME DE VERROUILLAGE MECANIQUE**
[72] NILSSON, MATS, SE
[72] NYGREN, PER, SE
[73] VAELINGE INNOVATION AB, SE
[85] 2012-02-08
[86] 2010-09-03 (PCT/SE2010/050941)
[87] (WO2011/028171)
[30] SE (0901153-7) 2009-09-04
[30] US (61/239,927) 2009-09-04

[11] **2,771,475**
[13] C
[51] **Int.Cl. E21B 7/15 (2006.01)**
[25] EN
[54] **PULSED ELECTRIC ROCK DRILLING APPARATUS WITH NON-ROTATING BIT AND DIRECTIONAL CONTROL**
[54] **APPAREIL DE FORAGE DE ROCHE ELECTRIQUE PULSE AVEC TREPAN NON ROTATIF ET COMMANDE DE DIRECTION**
[72] MOENY, WILLIAM M., US
[73] SDG LLC, US
[85] 2012-02-16
[86] 2009-08-26 (PCT/US2009/055075)
[87] (WO2010/027866)
[30] US (12/198,868) 2008-08-26

[11] **2,772,094**
[13] C
[51] **Int.Cl. A61K 38/07 (2006.01) A61P 27/02 (2006.01) A61P 27/12 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR PREVENTING OR TREATING OPHTHALMIC CONDITIONS**
[54] **PROCEDES ET COMPOSITIONS POUR LA PREVENTION OU LE TRAITEMENT DE CONDITIONS OPHTALMIQUES**
[72] LIU, LIPING, US
[72] TANG, SHIBO, CN
[72] LIANG, XIAOLING, CN
[73] STEALTH BIOTHERAPEUTICS CORP, KY
[85] 2012-02-23
[86] 2010-08-23 (PCT/US2010/046338)
[87] (WO2011/025734)
[30] US (61/236,440) 2009-08-24
[30] US (61/237,745) 2009-08-28
[30] US (61/348,470) 2010-05-26

[11] **2,772,804**
[13] C
[51] **Int.Cl. A61J 11/00 (2006.01)**
[25] FR
[54] **ARTIFICIAL SUCKLING SYSTEM**
[54] **SYSTEME D'ALLAITEMENT ARTIFICIEL**
[72] FAVE-LESAGE, FRANCOIS, FR
[73] FAVE-LESAGE, FRANCOIS, FR
[85] 2012-03-01
[86] 2010-09-03 (PCT/EP2010/062994)
[87] (WO2011/026956)
[30] FR (0956018) 2009-09-03

[11] **2,773,832**
[13] C
[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/00 (2006.01) A61K 31/121 (2006.01) A61K 31/122 (2006.01) A61K 31/167 (2006.01) A61K 31/277 (2006.01) A61P 33/02 (2006.01) C07C 49/217 (2006.01) C07C 49/235 (2006.01) C07C 49/248 (2006.01) C07C 49/255 (2006.01) C07C 233/33 (2006.01) C07C 255/56 (2006.01) C07D 211/44 (2006.01) C07D 211/74 (2006.01) C07D 213/50 (2006.01) C07D 311/46 (2006.01) C07D 409/04 (2006.01)**
[25] EN
[54] **COMPOUNDS USEFUL AGAINST KINETOPLASTIDEAE PARASITES**
[54] **COMPOSES UTILES CONTRE DES PARASITES KINETOPLASTIDES**
[72] DAVIOUD-CHARVET, ELISABETH, FR
[72] WENZEL, INGRID NICOLE, DE
[72] MULLER, THOMAS J.J., DE
[72] HANQUET, GILLES, FR
[72] LANFRANCHI, DON ANTOINE, FR
[72] LEROUX, FREDERIC, FR
[72] GENDRON, THIBAULT, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2012-03-09
[86] 2010-09-20 (PCT/EP2010/063825)
[87] (WO2011/033115)
[30] EP (09290719.5) 2009-09-18

[11] **2,774,036**
[13] C
[51] **Int.Cl. A61L 31/06 (2006.01) A61L 31/10 (2006.01) C09D 177/12 (2006.01)**
[25] EN
[54] **COATINGS COMPRISING BIS-(ALPHA-AMINO-DIOL-DIESTER) CONTAINING POLYESTERAMIDE**
[54] **REVETEMENTS COMPRENANT DU POLYESTERAMIDE CONTENANT DES MOTIFS BIS(ALPHA-AMINODIESTERS DE DIOLS)**
[72] MIHOV, GEORGE, NL
[72] FRANKEN, ASTRID, DE
[72] MESSIER, KENNETH ALAN, NL
[72] DELAMARRE, SOAZIG CLAUDE MARIE, NL
[73] DSM IP ASSETS B.V., NL
[85] 2012-03-12
[86] 2010-10-18 (PCT/EP2010/065663)
[87] (WO2011/045443)
[30] EP (09173349.3) 2009-10-16

[11] **2,774,715**
[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61K 31/4985 (2006.01) A61K 31/5025 (2006.01) A61K 31/519 (2006.01) A61P 9/00 (2006.01)**
[25] EN
[54] **FUSED HETEROCYCLIC COMPOUNDS AS ION CHANNEL MODULATORS**
[54] **COMPOSES HETEROCYCLIQUES CONDENSES EN TANT QUE MODULATEURS DE CANAUX IONIQUES**
[72] CORKEY, BRITTON, US
[72] ELZEIN, ELFATIH, US
[72] JIANG, ROBERT, US
[72] KALLA, RAO, US
[72] KOBAYASHI, TETSUYA, US
[72] KOLTUN, DMITRY, US
[72] LI, XIAOFEN, US
[72] NOTTE, GREGORY, US
[72] PARKHILL, ERIC, US
[72] PERRY, THAO, US
[72] ZABLOCKI, JEFF, US
[73] GILEAD SCIENCES, INC., US
[85] 2012-03-20
[86] 2010-07-26 (PCT/US2010/043264)
[87] (WO2011/014462)
[30] US (61/228,864) 2009-07-27
[30] US (61/360,037) 2010-06-30

[11] **2,774,807**
[13] C
[51] **Int.Cl. C07D 495/04 (2006.01) A61K 31/381 (2006.01) A61K 31/429 (2006.01) C07D 495/14 (2006.01) C07D 513/04 (2006.01) C07D 513/14 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **BENZOXEPIN PI3K INHIBITOR COMPOUNDS AND METHODS OF USE**
[54] **COMPOSES DE BENZOXEPINE INHIBITEURS DE PI3K ET LEURS PROCEDES D'UTILISATION**
[72] BLAQUIERE, NICOLE, US
[72] DO, STEVEN, US
[72] DUDLEY, DANETTE, US
[72] FOLKES, ADRIAN J., GB
[72] GOLDSMITH, RICHARD A., US
[72] HEALD, ROBERT, GB
[72] HEFFRON, TIM, US
[72] KOLESNIKOV, ALEKSANDR, US
[72] NDUBAKU, CHUDI, US
[72] OLIVERO, ALAN G., US
[72] PRICE, STEPHEN, GB
[72] STABEN, STEVEN, US
[72] WEI, BINQING, US
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2012-03-20
[86] 2010-09-27 (PCT/EP2010/064222)
[87] (WO2011/036284)
[30] US (61/246,386) 2009-09-28

[11] **2,776,315**
[13] C
[51] **Int.Cl. B29C 65/60 (2006.01) B29C 65/08 (2006.01) B29C 65/64 (2006.01) B60R 13/04 (2006.01) B60R 13/06 (2006.01)**
[25] FR
[54] **METHOD FOR FIXING AN ADDITIONAL PART TO A GLAZING OR A PROFILED RIM, FIXING DEVICE FOR FIXING SAID PART, AND GLAZING OBTAINED BY SAID METHOD**
[54] **PROCEDE DE FIXATION D'UNE PIECE RAPPORTEE SUR UN VITRAGE OU UN CORDON PROFILE, DISPOSITIF DE FIXATION POUR LA FIXATION DE LA PIECE ET VITRAGE OBTENU PAR LE PROCEDE**
[72] VERRAT, ADELE, FR
[72] FROISSARD, LOIC, FR
[73] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2012-03-30
[86] 2010-10-01 (PCT/FR2010/052080)
[87] (WO2011/039490)
[30] FR (0956852) 2009-10-01

[11] **2,777,069**
[13] C
[51] **Int.Cl. G01V 1/22 (2006.01) G01V 1/16 (2006.01) G01V 8/16 (2006.01)**
[25] EN
[54] **DISTRIBUTED ACOUSTIC SENSING WITH FIBER BRAGG GRATINGS**
[54] **DETECTION ACOUSTIQUE REPARTIE DOTEE DE RESEAUX DE BRAGG SUR FIBRE**
[72] DRIA, DENNIS EDWARD, US
[72] PEARCE, JEREMIAH GLEN, US
[72] RAMBOW, FREDERICK HENRY, US
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2012-04-05
[86] 2010-10-15 (PCT/US2010/052835)
[87] (WO2011/047255)
[30] US (12/580,130) 2009-10-15

[11] **2,778,113**
[13] C
[51] **Int.Cl. F03B 17/06 (2006.01) F03B 3/12 (2006.01) F03B 11/06 (2006.01) F03B 13/26 (2006.01)**
[25] EN
[54] **ENERGY CONVERSION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE CONVERSION D'ENERGIE**
[72] DAVEY, KENT, US
[72] HANSEN, NED R., US
[72] POWER, DANIEL E., III, US
[73] OCEANA ENERGY COMPANY, US
[85] 2012-04-18
[86] 2010-10-27 (PCT/US2010/054279)
[87] (WO2011/059708)
[30] US (61/256,009) 2009-10-29
[30] US (61/325,563) 2010-04-19

[11] **2,778,453**
[13] C
[51] **Int.Cl. C07C 45/54 (2006.01)**
[25] EN
[54] **ENERGY DENSIFICATION OF BIOMASS-DERIVED ORGANIC ACIDS**
[54] **DENSIFICATION ENERGETIQUE D'ACIDES ORGANIQUES ISSUS D'UNE BIOMASSE**
[72] WHEELER, M. CLAYTON, US
[72] SWARTZ, THOMAS J., US
[72] VAN HEININGEN, ADRIAAN, US
[72] VAN WALSUM, G. PETER, US
[73] UNIVERSITY OF MAINE SYSTEM BOARD OF TRUSTEES, US
[85] 2012-04-19
[86] 2010-10-26 (PCT/US2010/054088)
[87] (WO2011/053584)
[30] US (61/254,775) 2009-10-26
[30] US (61/258,256) 2009-11-05

[11] **2,778,635**
[13] C
[51] **Int.Cl. A61M 39/20 (2006.01) A61M 39/16 (2006.01)**
[25] EN
[54] **DISINFECTING CAPS AND SYSTEMS AND ASSOCIATED METHODS**
[54] **BOUCHONS DE DESINFECTION ET SYSTEMES ET PROCEDES ASSOCIES**
[72] SOLOMON, DONALD D., US
[72] FERGUSON, F. MARK, US
[72] HITCHCOCK, ROBERT, US
[72] BANDIS, STEVEN, US
[72] MERCER, JAMES, US
[72] HOWLETT, MICHAEL, US
[73] MERIT MEDICAL SYSTEMS, INC., US
[85] 2012-04-20
[86] 2010-11-01 (PCT/US2010/054995)
[87] (WO2011/053924)
[30] US (12/610,141) 2009-10-30
[30] US (12/610,033) 2009-10-30

[11] **2,783,282**
[13] C
[51] **Int.Cl. A61F 2/24 (2006.01) A61L 27/06 (2006.01) A61L 27/14 (2006.01) A61L 27/38 (2006.01)**
[25] EN
[54] **DEVICE AND SYSTEM FOR TRANSCATHETER MITRAL VALVE REPLACEMENT**
[54] **DISPOSITIF ET SYSTEME DE REMPLACEMENT DE VALVULE MITRALE TRANSCATHETER**
[72] SCHANKERELI, KEMAL, US
[72] ORTON, E. CHRISTOPHER, US
[73] AVALON MEDICAL LTD., US
[73] COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, US
[85] 2012-06-06
[86] 2010-12-08 (PCT/US2010/059582)
[87] (WO2011/072084)
[30] US (61/267,739) 2009-12-08

[11] **2,783,305**
[13] C
[51] **Int.Cl. B65D 43/16 (2006.01) B65D 1/02 (2006.01) B65D 47/08 (2006.01)**
[25] EN
[54] **DRINK BOTTLE AND LID WITH BUTTON RELEASE AT BACK OF LID**
[54] **BOUTEILLE POUR BOISSON ET COUVERCLE AVEC DISPOSITIF DE LIBERATION A BOUTON AU DOS DU COUVERCLE**
[72] LANE, MARVIN, US
[73] THERMOS L.L.C., US
[86] (2783305)
[87] (2783305)
[22] 2012-07-19
[30] US (13/407,238) 2012-02-28

---

[11] **2,783,876**
[13] C
[51] **Int.Cl. C07K 14/54 (2006.01) A61K 38/17 (2006.01) A61K 48/00 (2006.01) C07K 14/715 (2006.01) C07K 14/775 (2006.01) C07K 19/00 (2006.01) C12N 1/15 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **NEW CONJUGATES AND COMPOSITIONS FOR IMMUNOTHERAPY AND ANTITUMORAL TREATMENT**
[54] **NOUVEAUX CONJUGUES ET COMPOSITIONS POUR IMMUNOTHERAPIE ET TRAITEMENT ANTI-TUMORAL**
[72] BERRAONDO LOPEZ, PEDRO, ES
[72] FIORAVANTI, JESSICA, ES
[72] MEDINA ECHEVERZ, JOSE, ES
[72] MELERO BERMEJO, IGNACIO JAVIER, ES
[72] OCHOA NIETO, MARIA DEL CARMEN, ES
[72] PALAZON GARCIA, FRANCISCO DE ASIS, ES
[72] BULFONE-PAUS, SILVIA, DE
[72] DUITMAN, ERWIN, HANS, DE
[73] PROYECTO DE BIOMEDICINA CIMA, S.L., ES
[73] RESEARCH CENTER BORSTEL, DE
[85] 2012-06-08
[86] 2010-12-10 (PCT/ES2010/070818)
[87] (WO2011/070214)
[30] ES (P200931158) 2009-12-11
[30] ES (P201030813) 2010-05-27

---

[11] **2,784,443**
[13] C
[51] **Int.Cl. A61M 25/098 (2006.01) A61B 6/00 (2006.01) A61B 17/34 (2006.01) A61M 1/14 (2006.01) A61M 25/095 (2006.01)**
[25] EN
[54] **INTRAVASCULAR CATHETER WITH POSITIONING MARKERS AND METHOD OF PLACEMENT**
[54] **CATHETER INTRAVASCULAIRE PORTANT DES REPERES DE POSITIONNEMENT ET PROCEDE DE POSE**
[72] TAL, MICHAEL G., US
[73] TAL, MICHAEL G., US
[85] 2012-06-14
[86] 2010-12-13 (PCT/US2010/059998)
[87] (WO2011/081859)
[30] US (61/286,127) 2009-12-14
[30] US (61/320,044) 2010-04-01

---

[11] **2,784,451**
[13] C
[51] **Int.Cl. E02D 3/12 (2006.01) E02D 5/18 (2006.01) E02D 17/13 (2006.01) E02D 19/18 (2006.01)**
[25] EN
[54] **TOOL FOR THIN DIAPHRAGMS**
[54] **OUTIL POUR DIAPHRAGMES MINCES**
[72] DITILLO, ALESSANDRO, IT
[72] CASADEI, MARCO, IT
[72] BISERNA, EZIO, IT
[73] SOILMEC S.P.A., IT
[85] 2012-06-14
[86] 2010-11-15 (PCT/EP2010/006948)
[87] (WO2011/072783)
[30] IT (TO2009A000988) 2009-12-15

---

[11] **2,784,468**
[13] C
[51] **Int.Cl. B21D 9/04 (2006.01) B21D 9/16 (2006.01) F16C 11/06 (2006.01)**
[25] EN
[54] **AN IMPROVED APPARATUS AND METHOD OF MANUFACTURING A SPLIT LINK FOR USE IN A FLEXIBLE TUBE-BENDING MANDREL**
[54] **APPAREIL ET METHODE AMELIORES DE FABRICATION D'UN LIEN DIVISE POUR MANDRIN DE FLEXION DE TUBES SOUPLES**
[72] TINGLEY, WILLIAM Q., US
[72] BRADLEY, DANIEL R., US
[72] TINGLEY, WILLIAM Q., III, US
[73] TENNINE CORP., US
[86] (2784468)
[87] (2784468)
[22] 2012-08-03
[30] US (13/197,397) 2011-08-03

---

[11] **2,784,485**
[13] C
[51] **Int.Cl. H01J 49/00 (2006.01)**
[25] EN
[54] **METHOD OF PROCESSING IONS**
[54] **PROCEDE DE TRAITEMENT D'IONS**
[72] HAGER, JAMES W., CA
[72] LE BLANC, YVES, CA
[73] DH TECHNOLOGIES DEVELOPMENT PTE. LTD., SG
[85] 2012-06-14
[86] 2010-12-17 (PCT/IB2010/003304)
[87] (WO2011/073794)
[30] US (61/288,045) 2009-12-18

[11] **2,785,180**
[13] C
[51] **Int.Cl. C10C 3/04 (2006.01) B01F 3/04 (2006.01) B01F 7/00 (2006.01) B01F 13/10 (2006.01) B01J 19/18 (2006.01)**
[25] EN
[54] **MULTI-PURPOSE REACTOR AND PROCESS FOR THE PREPARATION OF MODIFIED BITUMEN**
[54] **REACTEUR A USAGES MULTIPLES ET PROCEDE POUR LA PREPARATION DE BITUME MODIFIE**
[72] BRAN, ROBERTO, AU
[72] KUMAR, CHELUVA, IN
[72] RAJ, SACHIN, MY
[72] SCOTT, DARYL, AU
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2012-06-20
[86] 2010-12-29 (PCT/EP2010/070859)
[87] (WO2011/080302)
[30] IN (PCT/IN2009/000759) 2009-12-31

[11] **2,785,675**
[13] C
[51] **Int.Cl. C12N 15/55 (2006.01) A23D 7/01 (2006.01) C12N 9/16 (2006.01) C12N 15/00 (2006.01) C12N 15/09 (2006.01) C12P 7/62 (2006.01) C12P 7/64 (2006.01)**
[25] EN
[54] **PHOSPHATIDIC ACID PHOSPHATASE GENE AND USE THEREOF**
[54] **GENE DE LA PHOSPHATIDATE PHOSPHATASE ET UTILISATION DE CELUI-CI**
[72] OCHIAI, MISA, JP
[73] SUNTORY HOLDINGS LIMITED, JP
[85] 2012-06-26
[86] 2010-12-27 (PCT/JP2010/073565)
[87] (WO2011/081135)
[30] JP (2009-298551) 2009-12-28

[11] **2,785,776**
[13] C
[51] **Int.Cl. C07D 309/14 (2006.01) A61K 31/351 (2006.01) A61K 31/4025 (2006.01) A61K 31/403 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01) C07D 405/04 (2006.01)**
[25] EN
[54] **TETRAHYDRO-PYRAN DERIVATIVES AGAINST NEUROLOGICAL ILLNESSES**
[54] **DERIVES DE TETRAHYDROPYRANE DIRIGES CONTRE DES MALADIES NEUROLOGIQUES**
[72] KOLCZEWSKI, SABINE, DE
[72] PINARD, EMMANUEL, FR
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2012-06-26
[86] 2011-01-28 (PCT/EP2011/051179)
[87] (WO2011/095434)
[30] EP (10152359.5) 2010-02-02

[11] **2,786,348**
[13] C
[51] **Int.Cl. C02F 1/44 (2006.01) B01D 61/02 (2006.01) B01D 63/12 (2006.01)**
[25] EN
[54] **PROCESS OF SUPPLYING WATER OF CONTROLLED SALINITY**
[54] **PROCEDE DE DISTRIBUTION D'EAU A SALINITE REGULEE**
[72] WILLIAMS, JOHN DALE, GB
[73] BP EXPLORATION OPERATING COMPANY LIMITED, GB
[85] 2012-07-04
[86] 2011-01-11 (PCT/GB2011/000032)
[87] (WO2011/086346)
[30] EP (10250063.4) 2010-01-14

[11] **2,786,449**
[13] C
[51] **Int.Cl. G01N 25/72 (2006.01)**
[25] FR
[54] **METHOD FOR MEASURING CORROSION IN A CONCRETE BUILDING**
[54] **PROCEDE DE MESURE DE LA CORROSION DANS UN OUVRAGE EN BETON**
[72] BARBERON, FABIEN, FR
[72] GEGOUT, PHILIPPE, FR
[72] LOPEZ-RIOS, JULIEN, FR
[73] BOUYGUES TRAVAUX PUBLICS, FR
[85] 2012-07-05
[86] 2011-01-07 (PCT/EP2011/050162)
[87] (WO2011/083142)
[30] FR (1050100) 2010-01-08

[11] **2,787,009**
[13] C
[51] **Int.Cl. B01D 15/08 (2006.01)**
[25] EN
[54] **SURFACE NEUTRALIZATION OF APATITE**
[54] **NEUTRALISATION DE SURFACE D'APATITE**
[72] CUMMINGS, LARRY J., US
[72] SNYDER, MARK A., US
[73] BIO-RAD LABORATORIES, INC., US
[85] 2012-07-09
[86] 2011-01-13 (PCT/US2011/021158)
[87] (WO2011/088225)
[30] US (61/295,499) 2010-01-15

[11] **2,788,185**
[13] C
[51] **Int.Cl. B27M 3/00 (2006.01)**
[25] EN
[54] **METHOD FOR MECHANICALLY SCRAPING BOARDS, APPARATUS FOR SAME, AND PRODUCTS MADE THEREWITH**
[54] **PROCEDE PERMETTANT UN RACLAGE MECANIQUE DE PLANCHES, APPAREIL ASSOCIE, ET PRODUITS FABRIQUES A L'AIDE DE CELUI-CI**
[72] PERONTO, ROBERT J., US
[72] JOHNSON, TIMOTHY C., US
[72] COMPTON, MICHAEL D., US
[72] SMITH, DANNY R., US
[73] MANNINGTON MILLS, INC., US
[85] 2012-07-25
[86] 2011-01-28 (PCT/US2011/022936)
[87] (WO2011/094550)
[30] US (61/299,740) 2010-01-29

[11] **2,788,331**
[13] C
[51] **Int.Cl. C12Q 1/68 (2018.01) B82Y 40/00 (2011.01) C12Q 1/6869 (2018.01) B82B 3/00 (2006.01) C12M 1/34 (2006.01) C12M 1/42 (2006.01) G01N 33/483 (2006.01) C08J 9/30 (2006.01) C09D 191/00 (2006.01) C40B 20/00 (2006.01) C40B 30/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANIPULATING A MOLECULE IN NANOPORE**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE MANIPULER UNE MOLECULE DANS UN NANOPORE**
[72] CHEN, ROGER, US
[72] DAVIS, RANDY, US
[73] GENIA TECHNOLOGIES, INC., US
[85] 2012-07-27
[86] 2011-02-04 (PCT/US2011/000205)
[87] (WO2011/097028)
[30] US (12/658,601) 2010-02-08
[30] US (12/658,591) 2010-02-08
[30] US (12/658,604) 2010-02-08
[30] US (12/658,603) 2010-02-08
[30] US (12/658,602) 2010-02-08

[11] **2,789,212**
[13] C
[51] **Int.Cl. A47J 31/22 (2006.01) A47J 31/06 (2006.01) A47J 31/40 (2006.01) B65D 85/804 (2006.01)**
[25] EN
[54] **METHOD FOR DELIVERING A COFFEE BEVERAGE BY CENTRIFUGATION IN A BEVERAGE PRODUCING DEVICE**
[54] **PROCEDE DE DISTRIBUTION D'UNE BOISSON AU CAFE PAR CENTRIFUGATION DANS UN DISPOSITIF DE PREPARATION DE BOISSON**
[72] ALVAREZ, DIEGO JIMENEZ, CH
[72] RICOUX, DELPHINE, CH
[72] MONNIER, PIERRE, CH
[72] JARISCH, CHRISTIAN, CH
[72] YOAKIM, ALFRED, CH
[72] PERENTES, ALEXANDRE, CH
[73] NESTEC S.A., CH
[85] 2012-08-07
[86] 2011-02-02 (PCT/EP2011/051481)
[87] (WO2011/095518)
[30] EP (10152913.9) 2010-02-08
[30] EP (10153528.4) 2010-02-12
[30] EP (10153531.8) 2010-02-12
[30] EP (10153522.7) 2010-02-12
[30] EP (10162674.5) 2010-05-12
[30] EP (10162630.7) 2010-05-12
[30] EP (10162637.2) 2010-05-12

[11] **2,789,332**
[13] C
[51] **Int.Cl. B01D 35/02 (2006.01) B01D 27/04 (2006.01) F01M 11/03 (2006.01)**
[25] EN
[54] **MULTI FILTER LUBRICANT PURIFICATION SYSTEM**
[54] **SYSTEME DE PURIFICATION DE LUBRIFIANT A FILTRES MULTIPLES**
[72] JACOBS, WILLIAM A., US
[72] VITTORIA, JOSEPH V., US
[73] PURADYN FILTER TECHNOLOGIES INC., US
[85] 2012-08-07
[86] 2011-03-22 (PCT/US2011/029312)
[87] (WO2011/119529)
[30] US (12/732,126) 2010-03-25

[11] **2,789,390**
[13] C
[51] **Int.Cl. A43B 7/08 (2006.01) A43B 7/12 (2006.01) A43B 9/02 (2006.01)**
[25] EN
[54] **SHOE WITH WATERPROOF AND VAPOR-PERMEABLE UPPER AND SOLE**
[54] **CHAUSSURE POSSEDANT UNE TIGE ET UNE SEMELLE ETANCHES A L'EAU ET PERMEABLES A LA VAPEUR**
[72] POLEGATO MORETTI, MARIO, IT
[73] GEOX S.P.A., IT
[85] 2012-08-09
[86] 2011-01-24 (PCT/EP2011/050921)
[87] (WO2011/098344)
[30] IT (PD2010A000037) 2010-02-10

[11] **2,789,603**
[13] C
[51] **Int.Cl. C21B 9/02 (2006.01) C21B 9/10 (2006.01) F27D 1/00 (2006.01) F27D 1/02 (2006.01)**
[25] EN
[54] **HOT BLAST STOVE DOME AND HOT BLAST STOVE**
[54] **DOME DE REGENERATEUR DE HAUT-FOURNEAU ET REGENERATEUR DE HAUT-FOURNEAU**
[72] VAN LAAR, JACOBUS, NL
[72] VAN LAAR, FLORIS, CA
[73] ALLIED MINERAL PRODUCTS, INC., US
[85] 2012-08-10
[86] 2011-02-14 (PCT/US2011/024767)
[87] (WO2011/100693)
[30] US (61/303,894) 2010-02-12

[11] **2,789,622**
[13] C
[51] **Int.Cl. C07D 487/08 (2006.01) C07D 498/08 (2006.01)**
[25] EN
[54] **MACROCYCLES AS FACTOR XIA INHIBITORS**
[54] **MACROCYCLES UTILISES EN TANT QU'INHIBITEURS DU FACTEUR XIA**
[72] CORTE, JAMES R., US
[72] FANG, TIANAN, US
[72] DECICCO, CARL P., US
[72] PINTO, DONALD J. P., US
[72] ROSSI, KAREN A., US
[72] HU, ZILUN, US
[72] JEON, YOON, US
[72] QUAN, MIMI L., US
[72] SMALLHEER, JOANNE M., US
[72] WANG, YUFENG, US
[72] YANG, WU, US
[73] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2012-08-10
[86] 2011-02-10 (PCT/US2011/024305)
[87] (WO2011/100401)
[30] US (61/303,423) 2010-02-11
[30] US (61/405,338) 2010-10-21

[11] **2,789,649**
[13] C
[51] **Int.Cl. A62B 7/14 (2006.01) A62B 9/00 (2006.01) A62B 9/02 (2006.01) B64D 10/00 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING PARTIAL PRESSURE OF A GASEOUS CONSTITUENT AND REGULATOR OF BREATHING MASK FOR AIRCRAFT OCCUPANT**
[54] **PROCEDE DE DETERMINATION DE LA PRESSION PARTIELLE D'UN CONSTITUANT GAZEUX ET REGULATEUR DE MASQUE RESPIRATOIRE POUR OCCUPANT D'UN AVION**
[72] FROMAGE, MATTHIEU, FR
[73] ZODIAC AEROTECHNICS, FR
[85] 2012-08-13
[86] 2011-02-28 (PCT/IB2011/000781)
[87] (WO2011/104635)
[30] US (61/308,476) 2010-02-26

[11] **2,790,157**
[13] C
[51] **Int.Cl. G01K 13/02 (2006.01)**
[25] FR
[54] **ICE-BREAKING PROBE FOR MEASURING GLOBAL AIR TEMPERATURE**
[54] **SONDE BRISE GLACE POUR LA MESURE DE LA TEMPERATURE TOTALE D'AIR**
[72] DIJON, SEBASTIEN, FR
[72] LAPEYRONNIE, DAVID, FR
[72] LHUILLIER, BRUNO, FR
[73] AUXITROL S.A., FR
[85] 2012-08-16
[86] 2011-02-23 (PCT/EP2011/052701)
[87] (WO2011/104286)
[30] FR (1051350) 2010-02-25

[11] **2,790,565**
[13] C
[51] **Int.Cl. C08G 18/10 (2006.01) C08G 18/28 (2006.01) C08G 18/48 (2006.01) C08G 18/66 (2006.01) C08G 18/80 (2006.01) C08G 69/14 (2006.01) C08G 69/18 (2006.01) C08G 69/20 (2006.01)**
[25] EN
[54] **MELT PROCESSABLE COPOLYETHERAMIDE ELASTOMERS**
[54] **ELASTOMERES DE COPOLYETHERAMIDE USINABLES A L'ETAT FONDU**
[72] MAKAL, UMIT G., US
[72] STEINMETZ, BRYCE W., US
[72] DAY, ROGER W., US
[72] CAO, FEINA, US
[73] LUBRIZOL ADVANCED MATERIALS, INC., US
[85] 2012-08-16
[86] 2011-02-24 (PCT/US2011/026018)
[87] (WO2011/109211)
[30] US (61/309,076) 2010-03-01

[11] **2,790,574**
[13] C
[51] **Int.Cl. B29B 17/00 (2006.01) B29B 9/06 (2006.01) B29B 17/04 (2006.01)**
[25] EN
[54] **PRODUCTION OF USEFUL ARTICLES FROM WASTE MATERIAL**
[54] **PRODUCTION D'ARTICLES UTILES A PARTIR DE DECHETS**
[72] KELLER, BRIAN D., US
[73] STRANDEX CORPORATION, US
[85] 2012-08-16
[86] 2011-02-24 (PCT/US2011/026083)
[87] (WO2011/106531)
[30] US (61/308,387) 2010-02-26

[11] **2,791,270**
[13] C
[51] **Int.Cl. B01J 38/06 (2006.01) B01J 23/75 (2006.01) B01J 23/94 (2006.01) B01J 35/10 (2006.01) B01J 38/10 (2006.01) C10G 2/00 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A REGENERATED FISCHER-TROPSCH SYNTHESIS CATALYST, AND HYDROCARBON MANUFACTURING METHOD**
[54] **METHODE DE FABRICATION D'UN CATALYSEUR DE SYNTHESE DE FISCHER-TROPSCH REGENERE, ET METHODE DE FABRICATION D'HYDROCARBURES**
[72] ONO, HIDEKI, JP
[72] NAGAYASU, YOSHIYUKI, JP
[72] HAYASAKA, KAZUAKI, JP
[73] JX NIPPON OIL & ENERGY CORPORATION, JP
[85] 2012-08-27
[86] 2011-02-14 (PCT/JP2011/053039)
[87] (WO2011/108348)
[30] JP (2010-049633) 2010-03-05

[11] **2,791,622**
[13] C
[51] **Int.Cl. G01R 31/08 (2006.01) G01R 29/26 (2006.01) G01R 31/02 (2006.01)**
[25] EN
[54] **EVALUATING NOISE AND EXCESS CURRENT ON A POWER LINE**
[54] **EVALUATION DES COURANTS DE BRUIT ET DES SURINTENSITES SUR UNE LIGNE ELECTRIQUE**
[72] CERN, YEHUDA, IL
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2012-08-28
[86] 2011-03-04 (PCT/US2011/027116)
[87] (WO2011/109674)
[30] US (61/310,933) 2010-03-05

[11] **2,793,183**
[13] C
[51] **Int.Cl. G06Q 50/00 (2012.01)**
[25] EN
[54] **MEDICAL INFORMATION GENERATION AND RECORDATION METHODS AND APPARATUS**
[54] **PROCEDES ET APPAREILS DE GENERATION ET D'ENREGISTREMENT D'INFORMATIONS MEDICALES**
[72] KENNEY, HOWARD M., US
[72] BUTLER, JEFFREY B., US
[72] CRAIG, GARY L., US
[72] LASALLE, SEAN P., US
[72] MUELLER, ERIC C., US
[72] FERGUSON, KAREN M., US
[73] DISCUS ANALYTICS, LLC, US
[85] 2012-09-13
[86] 2011-03-11 (PCT/US2011/028112)
[87] (WO2011/115835)
[30] US (12/726,281) 2010-03-17

[11] **2,793,318**
[13] C
[51] **Int.Cl. B65D 88/66 (2006.01) B65D 88/54 (2006.01)**
[25] EN
[54] **WEAR SYSTEM FOR RECEPTACLE WITH SLIDING FRAME**
[54] **SYSTEME D'USURE POUR RECEPTACLE A CADRE COULISSANT**
[72] TILLMAN, FRANZ, US
[72] HORNBERGER, RANCE, US
[72] WEISSER, ERIK, US
[73] SCHWING BIOSET, INC., US
[85] 2012-09-14
[86] 2011-03-14 (PCT/US2011/028272)
[87] (WO2011/115865)
[30] US (12/661,354) 2010-03-16

[11] **2,793,402**
[13] C
[51] **Int.Cl. C07K 16/22 (2006.01)**
[25] EN
[54] **BISPECIFIC, BIVALENT ANTI-VEGF/ANTI-ANG-2 ANTIBODIES**
[54] **ANTICORPS BISPECIFIQUES, BIVALENTS ANTI-VEGF/ANTI-ANG-2**
[72] BAEHNER, MONIKA, DE
[72] IMHOF-JUNG, SABINE, DE
[72] KAVLIE, ANITA, NO
[72] KETTENBERGER, HUBERT, DE
[72] KLEIN, CHRISTIAN, CH
[72] REGULA, JOERG THOMAS, DE
[72] SCHAEFER, WOLFGANG, DE
[72] SCHANZER, JUERGEN MICHAEL, DE
[72] SCHEUER, WERNER, DE
[72] STUBENRAUCH, KAY-GUNNAR, DE
[72] THOMAS, MARKUS, DE
[73] F. HOFFMANN-LA ROCHE AG, US
[85] 2012-09-17
[86] 2011-03-24 (PCT/EP2011/054504)
[87] (WO2011/117329)
[30] EP (10003269.7) 2010-03-26

[11] **2,793,550**
[13] C
[51] **Int.Cl. E05F 15/73 (2015.01)**
[25] EN
[54] **DOOR CONTROL APPARATUS**
[54] **APPAREIL DE COMMANDE DE PORTE**
[72] HOUSER, BLUE, US
[72] MCNALLY, TOMMY, US
[72] WEBB, MICHAEL, US
[72] SMITH, MAX, US
[72] CHRISTIANDER, ASA, SE
[73] YALE SECURITY INC., US
[85] 2012-09-17
[86] 2011-03-11 (PCT/US2011/028077)
[87] (WO2011/115830)
[30] US (12/725,884) 2010-03-17

[11] **2,793,554**
[13] C
[51] **Int.Cl. A61B 5/151 (2006.01) A61J 1/05 (2006.01)**
[25] EN
[54] **BODILY FLUID DIAGNOSTIC SYSTEM**
[54] **SYSTEME DE DIAGNOSTIC A PARTIR D'UN FLUIDE CORPOREL**
[72] KELLY, JOHN MICHAEL, AU
[72] SIU, ERIC, AU
[72] NORCOTT, ALISON RUTH, AU
[72] DUNN, CHRISTOPHER DAVID, AU
[72] JOHNSON, IAN FREDERICK, AU
[72] HUESO, ERNESTO MONIS, AU
[72] SOKOLOV, RICHARD, AU
[73] ATOMO DIAGNOSTICS PTY LIMITED, AU
[85] 2012-09-18
[86] 2011-03-18 (PCT/AU2011/000315)
[87] (WO2011/113114)
[30] AU (2010901175) 2010-03-19

[11] **2,793,849**
[13] C
[51] **Int.Cl. D21H 23/24 (2006.01) D21H 17/42 (2006.01) D21H 17/44 (2006.01) D21H 17/63 (2006.01) D21H 17/68 (2006.01)**
[25] EN
[54] **METHOD OF INCREASING FILLER CONTENT IN PAPERMAKING**
[54] **PROCEDE D'AUGMENTATION DE LA TENEUR EN CHARGE DANS LA FABRICATION DE PAPIER**
[72] CHENG, WEIGUO, US
[72] GRAY, ROSS T., US
[73] NALCO COMPANY, US
[85] 2012-09-19
[86] 2011-03-18 (PCT/US2011/028917)
[87] (WO2011/116253)
[30] US (12/727,299) 2010-03-19

[11] **2,793,954**
[13] C
[51] **Int.Cl. A61F 9/007 (2006.01)**
[25] EN
[54] **FLUID DRAINAGE DEVICE, DELIVERY DEVICE, AND ASSOCIATED METHODS OF USE AND MANUFACTURE**
[54] **DISPOSITIF DE DRAINAGE DE FLUIDE, DISPOSITIF DE DELIVRANCE, ET PROCEDES ASSOCIES D'UTILISATION ET DE FABRICATION**
[72] YARON, IRA, IL
[72] NISSAN, ODED, IL
[72] GOREN, GAL, IL
[73] OPTONOL LTD., IL
[85] 2012-09-20
[86] 2011-03-24 (PCT/US2011/029796)
[87] (WO2011/119834)
[30] US (12/748,149) 2010-03-26

[11] **2,794,065**
[13] C
[51] **Int.Cl. H04W 8/22 (2009.01) H04L 12/24 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PROXIMITY-BASED, PEER-INITIATED DEVICE CONFIGURATION**
[54] **PROCEDE ET SYSTEME DE CONFIGURATION DE DISPOSITIF A L'INITIATIVE D'UN PAIR FONDEE SUR LA PROXIMITE**
[72] KRAPF, HUGO, CA
[72] BEATTY, KEVIN, CA
[73] PSION INC., CA
[85] 2012-09-21
[86] 2011-04-18 (PCT/CA2011/000433)
[87] (WO2011/130829)
[30] US (12/765,977) 2010-04-23

[11] **2,794,120**
[13] C
[51] **Int.Cl. B21D 22/30 (2006.01) B21D 25/00 (2006.01) B21D 51/26 (2006.01)**
[25] EN
[54] **CAN MANUFACTURE**
[54] **FABRICATION DE RECIPIENTS EN METAL**
[72] MONRO, STUART ALEXANDER, GB
[73] CROWN PACKAGING TECHNOLOGY, INC., US
[85] 2012-09-21
[86] 2011-04-13 (PCT/EP2011/055847)
[87] (WO2011/128385)
[30] EP (10159826.6) 2010-04-13

[11] **2,794,269**
[13] C
[51] **Int.Cl. F04B 19/12 (2006.01)**
[25] EN
[54] **AN ARCHIMEDEAN SCREW APPARATUS**
[54] **APPAREIL A VIS D'ARCHIMEDE**
[72] HINDLE, NEIL, GB
[72] BOERSMA, BERT, GB
[73] SPAANS BABCOCK LIMITED, GB
[85] 2012-09-24
[86] 2011-03-04 (PCT/GB2011/000294)
[87] (WO2011/117564)
[30] GB (1005140.7) 2010-03-26

[11] **2,794,641**
[13] C
[51] **Int.Cl. B65B 1/02 (2006.01) B65B 29/00 (2006.01) B65B 43/50 (2006.01) B65B 43/60 (2006.01) B65B 61/06 (2006.01) B65B 1/48 (2006.01)**
[25] EN
[54] **HIGH SPEED POUCHER**
[54] **MACHINE A EMBALLER SOUS SACHETS RAPIDE**
[72] GARTHAFFNER, MARTIN T., US
[72] WILLIAMS, DWIGHT D., US
[72] STRAIGHT, JEREMY J., US
[72] WEBB, DAVID J., US
[72] MILLER, CARL G., GB
[73] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2012-09-26
[86] 2011-03-28 (PCT/IB2011/001149)
[87] (WO2011/117751)
[30] US (61/317,926) 2010-03-26

[11] **2,794,850**
[13] C
[51] **Int.Cl. H04W 12/06 (2009.01) H04W 4/24 (2018.01) G06Q 20/32 (2012.01) G06Q 20/40 (2012.01) H04B 5/00 (2006.01)**
[25] EN
[54] **TRANSACTION PROVISIONING FOR MOBILE WIRELESS COMMUNICATIONS DEVICES AND RELATED METHODS**
[54] **PROCESSUS DE TRANSACTION POUR LES DISPOSITIFS DE COMMUNICATION MOBILES SANS FIL ET METHODES ASSOCIEES**
[72] SINGH, RAVI, CA
[72] ADAMS, NEIL PATRICK, CA
[73] BLACKBERRY LIMITED, CA
[86] (2794850)
[87] (2794850)
[22] 2012-11-07
[30] EP (11192827.1) 2011-12-09

[11] **2,796,060**
[13] C
[51] **Int.Cl. B60J 10/80 (2016.01) B60J 10/20 (2016.01)**
[25] EN
[54] **MOTOR VEHICLE SEAL AND METHOD FOR THE MANUFACTURE THEREOF**
[54] **JOINT D'ETANCHEITE DE VEHICULE A MOTEUR ET PROCEDE DE FABRICATION DE CELUI-CI**
[72] ZACCARIA, MANRICO, IT
[72] CHIATTI, MAURO, IT
[73] COOPER-STANDARD AUTOMOTIVE ITALY S.P.A., IT
[85] 2012-10-10
[86] 2011-04-15 (PCT/IB2011/051646)
[87] (WO2011/128878)
[30] IT (TO2010A000309) 2010-04-16

[11] **2,796,900**
[13] C
[51] **Int.Cl. G01N 33/569 (2006.01) G01N 1/34 (2006.01) G01N 33/02 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **EXTRACTING LOW CONCENTRATIONS OF BACTERIA FROM A SAMPLE**
[54] **EXTRACTION DE FAIBLES CONCENTRATIONS DE BACTERIES D'UN ECHANTILLON**
[72] ESCH, VICTOR C., US
[72] DRYGA, SERGEY A., US
[72] CLARIZIA, LISA-JO ANN, US
[73] DNAE GROUP HOLDINGS LIMITED, GB
[85] 2012-10-18
[86] 2011-04-21 (PCT/US2011/033410)
[87] (WO2011/133759)
[30] US (61/326,588) 2010-04-21

[11] **2,797,343**
[13] C
[51] **Int.Cl. H03F 3/60 (2006.01) H03F 3/68 (2006.01) H04B 7/185 (2006.01)**
[25] EN
[54] **HYBRID NETWORKS**
[54] **RESEAUX HYBRIDES**
[72] HARVERSON, MICHAEL, GB
[72] JONES, DARYL, GB
[73] ASTRIUM LIMITED, GB
[85] 2012-10-24
[86] 2011-04-21 (PCT/EP2011/056478)
[87] (WO2011/134905)
[30] EP (10275048.6) 2010-04-26

[11] **2,798,183**
[13] C
[51] **Int.Cl. C07D 239/62 (2006.01) A61K 31/495 (2006.01) A61P 25/28 (2006.01) C07D 403/02 (2006.01)**
[25] EN
[54] **PYRIMIDINE-2,4,6-TRIONES FOR USE IN THE TREATMENT OF AMYOTROPHIC LATERAL SCLEROSIS**
[54] **PYRIMIDINE-2,4,6-TRIONES DESTINEE A ETRE UTILISEE POUR LE TRAITEMENT D'UNE SCLEROSE LATERALE AMYOTROPHE**
[72] KIRSCH, DONALD R., US
[72] BENMOHAMED, RADHIA, US
[72] ARVANITES, ANTHONY C., US
[72] MORIMOTO, RICHARD I., US
[72] XIA, GUOYAO, US
[72] SILVERMAN, RICHARD B., US
[73] NORTHWESTERN UNIVERSITY, US
[85] 2012-11-02
[86] 2010-05-05 (PCT/US2010/033714)
[87] (WO2010/129665)
[30] US (61/175,783) 2009-05-05

[11] **2,798,410**
[13] C
[51] **Int.Cl. F02M 65/00 (2006.01)**
[25] EN
[54] **INJECTOR PERFORMANCE TEST**
[54] **TEST DE RENDEMENT D'INJECTEUR**
[72] HEMMERLEIN, RODNEY J., US
[72] TIDWELL, MICHAEL R., US
[72] MANTHENA, ANAND, US
[73] CUMMINS INC., US
[85] 2012-11-02
[86] 2011-05-20 (PCT/US2011/037442)
[87] (WO2011/146894)
[30] US (61/346,645) 2010-05-20

[11] **2,798,623**
[13] C
[51] **Int.Cl. H04L 29/06 (2006.01)**
[25] EN
[54] **TIME-KEY HOPPING**
[54] **SAUT DE TEMPS-CLE**
[72] VARGAS, BOGART, US
[73] RAYTHEON COMPANY, US
[85] 2012-11-06
[86] 2011-05-06 (PCT/US2011/035446)
[87] (WO2011/140407)
[30] US (61/332,609) 2010-05-07
[30] US (61/332,578) 2010-05-07
[30] US (13/101,402) 2011-05-05

[11] **2,798,771**
[13] C
[51] **Int.Cl. E21B 33/05 (2006.01) E21B 33/16 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DROPPING A PUMP DOWN PLUG OR BALL**
[54] **PROCEDE ET APPAREIL POUR FAIRE DESCENDRE UN BOUCHON OU UNE BALLE D'EVACUATION**
[72] BARBEE, PHIL, US
[72] MIRE, MICHAEL, US
[72] NAQUIN, JOEY, US
[73] GULFSTREAM SERVICES, INC., US
[85] 2012-11-06
[86] 2011-05-16 (PCT/US2011/036659)
[87] (WO2011/143654)
[30] US (61/334,965) 2010-05-14
[30] US (13/080,397) 2011-04-05

[11] **2,799,006**
[13] C
[51] **Int.Cl. F16L 55/168 (2006.01) B25B 5/14 (2006.01) B25B 9/00 (2006.01) B25B 27/10 (2006.01) F16L 55/17 (2006.01) F16L 55/18 (2006.01)**
[25] EN
[54] **CLAMP AND REPAIR TOOL**
[54] **OUTIL DE SERRAGE ET DE REPARATION**
[72] GREEN, KENNETH H., US
[73] TIMBERLINE TOOL, L.L.C., US
[85] 2012-11-08
[86] 2011-05-11 (PCT/US2011/036014)
[87] (WO2011/143281)
[30] US (12/778,825) 2010-05-12

[11] **2,799,077**
[13] C
[51] **Int.Cl. E01B 7/02 (2006.01)**
[25] EN
[54] **SUPERSTRUCTURE DEVICE**
[54] **DISPOSITIF DE SUPERSTRUCTURE**
[72] CHRIST, THOMAS, DE
[72] BERGK, THOMAS, DE
[72] HELLBACH, JUERGEN, DE
[72] KOPILOVITSCH, HARALD, AT
[73] VOESTALPINE VAE GMBH, AT
[73] VOESTALPINE BWG GMBH, DE
[85] 2012-11-09
[86] 2011-05-12 (PCT/EP2011/057702)
[87] (WO2011/141550)
[30] DE (10 2010 016 923.4) 2010-05-12
[30] DE (10 2010 037 110.6) 2010-08-23

[11] **2,799,133**
[13] C
[51] **Int.Cl. F23C 10/00 (2006.01) F23C 6/04 (2006.01) F23C 10/10 (2006.01)**
[25] FR
[54] **CHEMICAL LOOPING COMBUSTION PROCESS WITH A REACTION ZONE INCORPORATING A GAS/SOLID SEPARATION ZONE AND PLANT USING SUCH A PROCESS**
[54] **PROCEDE DE COMBUSTION EN BOUCLE CHIMIQUE AVEC UNE ZONE DE REACTION INTEGRANT UNE ZONE DE SEPARATION GAZ-SOLIDE ET INSTALLATION UTILISANT UN TEL PROCEDE**
[72] GAUTHIER, THIERRY, FR
[72] HOTEIT, ALI, FR
[72] GUILLOU, FLORENT, FR
[72] STAINTON, HELENE, FR
[73] IFP ENERGIES NOUVELLES, FR
[73] TOTAL S.A., FR
[85] 2012-11-09
[86] 2011-05-24 (PCT/FR2011/000308)
[87] (WO2011/151535)
[30] FR (1002325) 2010-06-02

[11] **2,799,146**
[13] C
[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/517 (2006.01) A61P 1/04 (2006.01) A61P 11/06 (2006.01) A61P 17/04 (2006.01) A61P 19/02 (2006.01) A61P 21/02 (2006.01) A61P 25/00 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) A61P 31/00 (2006.01) A61P 31/04 (2006.01) A61P 31/10 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) A61P 37/06 (2006.01) A61P 37/08 (2006.01) C07D 401/14 (2006.01) C07D 403/12 (2006.01) C07D 405/12 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **NITROGEN-CONTAINING HETEROCYCLIC COMPOUND HAVING INHIBITORY EFFECT ON PRODUCTION OF KYNURENINE**
[54] **COMPOSE HETEROCYCLIQUE AZOTE DOTE D'UNE ACTIVITE INHIBITRICE DE LA PRODUCTION DE KYNURENINE**
[72] FUKUDA, YUICHI, JP
[72] KANAI, TOSHIMI, JP
[72] NAKASATO, YOSHISUKE, JP
[72] KIMPARA, KEISUKE, JP
[73] KYOWA HAKKO KIRIN CO., LTD., JP
[85] 2012-11-09
[86] 2011-05-09 (PCT/JP2011/060654)
[87] (WO2011/142316)
[30] JP (2010-108766) 2010-05-10

[11] **2,799,440**
[13] C
[51] **Int.Cl. G06F 3/048 (2013.01) G06F 3/03 (2006.01) G06F 3/14 (2006.01) G11B 20/10 (2006.01)**
[25] EN
[54] **CONTENT GESTURES**
[54] **GESTES ASSOCIES A UN CONTENU**
[72] SCHWESINGER, MARK D., US
[72] ELSBREE, JOHN, US
[72] MILLER, MICHAEL C., US
[72] SIMONNET, GUILLAUME, US
[72] HURD, SPENCER I.A.N., US
[72] VAN DONGEN, NIELS, US
[72] LERER, EVAN J., US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2012-11-13
[86] 2011-05-30 (PCT/US2011/038478)
[87] (WO2011/156161)
[30] US (61/353,626) 2010-06-10
[30] US (12/854,708) 2010-08-11

[11] **2,799,951**
[13] C
[51] **Int.Cl. G06Q 50/00 (2012.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **CONTEXTUAL BASED INFORMATION AGGREGATION SYSTEM**
[54] **SYSTEME DE CONSOLIDATION D'INFORMATIONS PAR CONTEXTE**
[72] SARETTO, CESARE JOHN, US
[72] KINNEBREW, PETER TOBIAS, US
[72] KAMUDA, NICHOLAS FERIANC, US
[72] SOMUAH, HENRY HOOPER, US
[72] MCCLOSKEY, MATTHEW JOHN, US
[72] HEBENTHAL, DOUGLAS C., US
[72] MULCAHY, KATHLEEN P., US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2012-11-19
[86] 2011-06-02 (PCT/US2011/038958)
[87] (WO2011/159485)
[30] US (12/818,106) 2010-06-17

[11] **2,800,650**
[13] C
[51] **Int.Cl. C12N 9/64 (2006.01) A61K 38/17 (2006.01) C07K 14/00 (2006.01) C07K 14/16 (2006.01) C07K 14/575 (2006.01) C12N 9/16 (2006.01) C12N 15/16 (2006.01) C12N 15/55 (2006.01) C12N 15/57 (2006.01)**
[25] EN
[54] **CELL-PENETRATING PEPTIDES AND USES THEROF**
[54] **PEPTIDES PENETRANT DANS LES CELLULES ET LEURS UTILISATIONS**
[72] BRINKMANN, ULRICH, DE
[72] HAAS, ALEXANDER, DE
[72] MAISEL, DANIELA, DE
[73] F. HOFFMANN-LA ROCHE AG, US
[85] 2012-11-23
[86] 2011-06-14 (PCT/EP2011/059853)
[87] (WO2011/157713)
[30] EP (10165793.0) 2010-06-14
[30] EP (10195278.6) 2010-12-15

[11] **2,801,366**
[13] C
[51] **Int.Cl. B64D 27/26 (2006.01)**
[25] FR
[54] **TURBOSHAFT ENGINE ATTACHED TO A PYLON OF THE FUSELAGE OF AN AIRCRAFT BY A FAILSAFE SUSPENSION SYSTEM**
[54] **TURBOMOTEUR FIXE A UN PYLONE DU FUSELAGE D'UN AERONEF PAR UNE SUSPENSION A SECURITE INTEGREE**
[72] BELLABAL, FRANCOIS, FR
[72] SEIZE, GUILHEM, FR
[72] VINCENT, THOMAS, FR
[73] SNECMA, FR
[85] 2012-11-30
[86] 2011-06-09 (PCT/FR2011/051322)
[87] (WO2011/157931)
[30] FR (1054689) 2010-06-14

[11] **2,801,520**
[13] C
[51] **Int.Cl. E01C 19/10 (2006.01)**
[25] FR
[54] **PROCESS FOR MANUFACTURING COLD BITUMINOUS MIXES, COLD BITUMINOUS MIXES WITH CONTROLLED WORKABILITY AND USE THEREOF FOR PRODUCING ROAD PAVEMENTS**
[54] **PROCEDE DE FABRICATION D'ENROBES HYDROCARBONES A FROID, ENROBES HYDROCARBONES A FROID A MANIABILITE CONTROLEE ET LEUR UTILISATION POUR LA REALISATION DE REVETEMENTS ROUTIERS**
[72] DELFOSSE, FREDERIC, FR
[72] GARBAY, MATHIEU, FR
[73] EUROVIA, FR
[85] 2012-12-03
[86] 2011-06-01 (PCT/EP2011/059066)
[87] (WO2011/151387)
[30] FR (1002368) 2010-06-04

[11] **2,801,619**
[13] C
[51] **Int.Cl. B21D 9/10 (2006.01) B21D 9/16 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR FORMING BENDS IN TUBULAR WORK PIECES**
[54] **DISPOSITIF ET PROCEDE POUR FORMER DES COUDES DANS DES PIECES TUBULAIRES**
[72] TRUBERT, FRANZ (DECEASED), AT
[73] MAGNA INTERNATIONAL INC., CA
[85] 2012-12-05
[86] 2011-06-09 (PCT/CA2011/000695)
[87] (WO2011/153634)
[30] US (61/352,921) 2010-06-09

[11] **2,801,678**
[13] C
[51] **Int.Cl. F01D 25/16 (2006.01) F02C 7/06 (2006.01) F02C 7/28 (2006.01)**
[25] FR
[54] **GUIDING AND SEALING DEVICE FOR A TURBINE ENGINE, HAVING A CARBON SEAL AND BUILT-IN JOURNAL BEARING**
[54] **DISPOSITIF DE GUIDAGE ET D'ETANCHEITE A JOINT CARBONE ET A PALIER LISSE INTEGRE POUR UNE TURBOMACHINE**
[72] GALIVEL, JEAN-PIERRE ELIE, FR
[73] SNECMA, FR
[85] 2012-12-05
[86] 2011-06-10 (PCT/FR2011/051335)
[87] (WO2011/157937)
[30] FR (1054726) 2010-06-15

[11] **2,802,677**
[13] C
[51] **Int.Cl. C10G 75/00 (2006.01) C10G 9/12 (2006.01) C10G 9/36 (2006.01) F16L 58/04 (2006.01)**
[25] EN
[54] **METHOD FOR CONVERTING CARBON AND HYDROCARBON CRACKING AND APPARATUS FOR HYDROCARBON CRACKING**
[54] **METHODE DE CONVERSION DU CARBONE ET DE CRAQUAGE D'HYDROCARBURE ET APPAREIL DE CRAQUAGE D'HYDROCARBURE**
[72] DENG, ZHIGANG, CN
[72] PENG, WENQING, US
[72] LIN, CHUAN, CN
[72] WANG, SHIZHONG, US
[72] FU, QIJIA, US
[72] GU, YANFEI, US
[72] WU, ZHAOPING, US
[72] LIANG, YANGANG, US
[72] SHE, MINGGANG, US
[73] BL TECHNOLOGIES, INC., US
[85] 2012-12-13
[86] 2011-05-20 (PCT/US2011/037288)
[87] (WO2012/003055)
[30] CN (201010212803.5) 2010-06-28

[11] **2,802,797**
[13] C
[51] **Int.Cl. A61K 8/22 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **METHODS FOR WHITENING TEETH BY APPLYING A WHITENING COMPOSITION AND DIRECTING LIGHT RADIATION**
[54] **METHODES DE BLANCHIMENT DES DENTS PAR L'APPLICATION D'UNE COMPOSITION DE BLANCHIMENT ET L'ILLUMINATION PAR RAYONNEMENT**
[72] SAGEL, PAUL ALBERT, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2012-12-14
[86] 2011-06-07 (PCT/US2011/039399)
[87] (WO2011/159522)
[30] US (61/354,926) 2010-06-15

[11] **2,802,818**
[13] C
[51] **Int.Cl. B60R 21/34 (2011.01) F15B 15/19 (2006.01)**
[25] FR
[54] **TRIGGERED-STROKE ACTUATOR PROVIDED WITH A GAS DISCHARGE DEVICE**
[54] **VERIN A COURSE DECLENCHEE MUNI D'UN DISPOSITIF D'EVACUATION DES GAZ**
[72] MARLIN, FREDERIC, FR
[72] NADEAU, JEAN-PAUL, FR
[73] ARIANEGROUP SAS, FR
[85] 2012-12-14
[86] 2011-06-14 (PCT/FR2011/051344)
[87] (WO2011/157940)
[30] FR (1054712) 2010-06-15
[30] FR (1151321) 2011-02-17

[11] **2,802,858**
[13] C
[51] **Int.Cl. B25F 3/00 (2006.01)**
[25] EN
[54] **ADAPTER FOR COUPLING AN ACCESSORY TOOL TO A DRIVE MEMBER OF A POWER TOOL**
[54] **ADAPTATEUR PERMETTANT DE COUPLER UN OUTIL AUXILIAIRE A UN ELEMENT D'ENTRAINEMENT D'UNE MACHINE-OUTIL**
[72] MARAS, VERICA, US
[73] ROBERT BOSCH GMBH, DE
[85] 2012-12-14
[86] 2011-06-14 (PCT/US2011/040321)
[87] (WO2011/159683)
[30] US (12/816,546) 2010-06-16

[11] **2,803,200**
[13] C
[51] **Int.Cl. A61H 1/00 (2006.01)**
[25] EN
[54] **PERSONAL MASSAGER**
[54] **APPAREIL DE MASSAGE PERSONNEL**
[72] TAI, KENNY CHIH-YAO, HK
[73] GS DESIGN HK, LIMITED, HK
[86] (2803200)
[87] (2803200)
[22] 2013-01-21
[30] US (13/737,743) 2013-01-09

[11] **2,803,384**
[13] C
[51] **Int.Cl. G01B 7/16 (2006.01)**
[25] EN
[54] **SENSING STRAIN TO DETERMINE CURVATURE**
[54] **DETECTION DE DEFORMATION POUR DETERMINER UNE COURBURE**
[72] MATHIAS, EDWARD C., US
[72] SHIPLEY, JOHN L., US
[73] ORBITAL ATK, INC., US
[85] 2012-12-19
[86] 2011-07-06 (PCT/US2011/043010)
[87] (WO2012/006308)
[30] US (12/833,894) 2010-07-09

[11] **2,803,447**
[13] C
[51] **Int.Cl. F03D 5/00 (2006.01) F03D 80/00 (2016.01) F03B 13/10 (2006.01) F03B 13/24 (2006.01) F03B 13/26 (2006.01) F03D 1/04 (2006.01) F03D 3/04 (2006.01) F04F 5/04 (2006.01) F04F 5/10 (2006.01) F04F 5/16 (2006.01)**
[25] EN
[54] **APPARATUS FOR EXTRACTING ENERGY FROM A FLUID FLOW**
[54] **APPAREIL POUR L'EXTRACTION D'ENERGIE A PARTIR D'UN ECOULEMENT DE FLUIDE**
[72] FALLER, FRANK, CA
[73] SOUTHERN ALBERTA INSTITUTE OF TECHNOLOGY, CA
[85] 2012-12-20
[86] 2011-06-30 (PCT/CA2011/000779)
[87] (WO2012/000105)
[30] US (61/360,389) 2010-06-30

[11] **2,803,743**
[13] C
[51] **Int.Cl. G01N 11/10 (2006.01)**
[25] FR
[54] **METHOD FOR DETECTING MOLECULAR INTERACTIONS**
[54] **PROCEDE DE DETECTION D'INTERACTIONS MOLECULAIRES**
[72] BERNARDI, THIERRY, FR
[72] MAYER, PASCAL, FR
[72] GROELLY, JEROME, FR
[73] BIOFILM CONTROL, FR
[85] 2012-12-21
[86] 2011-06-30 (PCT/FR2011/051528)
[87] (WO2012/001312)
[30] FR (1002810) 2010-07-02
[30] FR (1056678) 2010-08-19

[11] **2,803,979**
[13] C
[51] **Int.Cl. F17C 1/04 (2006.01) B32B 3/12 (2006.01) B32B 3/26 (2006.01)**
[25] EN
[54] **FLUID CONTAINER**
[54] **RECIPIENT POUR FLUIDE**
[72] WEISBERG, ANDREW, US
[73] H2SAFE, LLC, US
[85] 2012-12-27
[86] 2011-06-29 (PCT/US2011/042439)
[87] (WO2012/006183)
[30] US (61/359,502) 2010-06-29
[30] US (13/172,386) 2011-06-29

[11] **2,804,146**
[13] C
[51] **Int.Cl. C09C 1/02 (2006.01) C02F 1/68 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF SURFACE-TREATED CALCIUM CARBONATE MATERIAL AND USE OF SAME IN THE CONTROL OF ORGANIC MATERIAL IN AN AQUEOUS MEDIUM**
[54] **PROCEDE DE PREPARATION D'UN MATERIAU A BASE DE CARBONATE DE CALCIUM AYANT SUBI UN TRAITEMENT SUPERFICIEL ET SON UTILISATION DANS LA LUTTE CONTRE LES MATERIAUX ORGANIQUES EN MILIEU AQUEUX**
[72] BURI, MATTHIAS, CH
[72] RENTSCH, SAMUEL, CH
[72] GANE, PATRICK A.C., CH
[72] GANTENBEIN, DANIEL, CH
[72] SCHOELKOPF, JOACHIM, CH
[73] OMYA INTERNATIONAL AG, CH
[85] 2013-01-02
[86] 2011-07-12 (PCT/EP2011/061869)
[87] (WO2012/010466)
[30] EP (10170110.0) 2010-07-20
[30] US (61/500,171) 2011-06-23

[11] **2,804,298**
[13] C
[51] **Int.Cl. A61K 8/87 (2006.01) A61K 8/72 (2006.01) A61K 9/113 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **COSMETICS COMPRISING COSMETIC COMPOSITION-IMPREGNATED URETHANE FOAM**
[54] **COSMETIQUES COMPRENANT UNE COMPOSITION COSMETIQUE IMPREGNEE DE MOUSSE D'URETHANE**
[72] KIM, KYUNG NAM, KR
[72] CHOI, JUNG SUN, KR
[72] SHIM, MIN KYUNG, KR
[72] CHOI, KYUNG HO, KR
[72] CHOI, YEONG JIN, KR
[73] AMOREPACIFIC CORPORATION, KR
[85] 2012-12-21
[86] 2012-03-23 (PCT/KR2012/002141)
[87] (WO2012/128589)
[30] KR (10-2011-0026466) 2011-03-24

[11] **2,805,089**
[13] C
[51] **Int.Cl. F02C 9/48 (2006.01) F01K 23/10 (2006.01) F02C 3/20 (2006.01) F02C 9/20 (2006.01) F02C 9/50 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR OPTIMIZING STOICHIOMETRIC COMBUSTION**
[54] **SYSTEMES ET PROCEDES DESTINES A OPTIMISER UNE COMBUSTION ST□CHIOMETRIQUE**
[72] MITTRICKER, FRANKLIN F., US
[72] HUNTINGTON, RICHARD A., US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2013-01-10
[86] 2011-06-27 (PCT/US2011/042000)
[87] (WO2012/018457)
[30] US (61/371,523) 2010-08-06

[11] **2,806,144**
[13] C
[51] **Int.Cl. F15B 15/14 (2006.01) F15B 15/20 (2006.01) F15B 15/22 (2006.01)**
[25] EN
[54] **HYDRAULIC OIL CYLINDER, HYDRAULIC CUSHION SYSTEM, EXCAVATOR AND CONCRETE PUMP TRUCK**
[54] **VERIN A HUILE HYDRAULIQUE, SYSTEME D'AMORTISSEUR HYDRAULIQUE, EXCAVATRICE ET CAMION-POMPE A BETON**
[72] YI, XIAOGANG, CN
[72] LIU, YONGDONG, CN
[72] CHEN, BINGBING, CN
[73] HUNAN SANY INTELLIGENT CONTROL EQUIPMENT CO., LTD, CN
[73] SANY HEAVY INDUSTRY CO., LTD, CN
[85] 2013-01-21
[86] 2011-06-21 (PCT/CN2011/076029)
[87] (WO2012/010033)
[30] CN (201010235138.1) 2010-07-23

[11] **2,806,531**
[13] C
[51] **Int.Cl. B32B 17/10 (2006.01) C03C 27/12 (2006.01) G01N 19/00 (2006.01) G10K 11/168 (2006.01)**
[25] FR
[54] **METHOD FOR SELECTING AN INSERT FOR VIBROACOUSTIC DAMPING, INSERT, AND GLASS PANEL INCLUDING SUCH AN INSERT**
[54] **PROCEDE DE SELECTION D'UN INTERCALAIRE POUR UN AMORTISSEMENT VIBRO-ACOUSTIQUE, INTERCALAIRE ET VITRAGE COMPRENANT UN TEL INTERCALAIRE**
[72] REHFELD, MARC, FR
[72] FOURNIER, DAVID, FR
[73] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2013-01-24
[86] 2011-08-18 (PCT/FR2011/051927)
[87] (WO2012/025685)
[30] FR (1056725) 2010-08-24

[11] **2,806,862**
[13] C
[51] **Int.Cl. F16K 37/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CONTROLLING GAS FLOW VIA A GAS SHUT-OFF VALVE ASSEMBLY**
[54] **PROCEDE ET APPAREIL PERMETTANT DE CONTROLER L'ECOULEMENT GAZEUX PAR L'INTERMEDIAIRE D'UN ENSEMBLE SOUPAPE DE DETENTE DES GAZ**
[72] SCOTT, TIM, US
[72] STECKMANN, DIRK, US
[72] PEACE, DANIEL W., US
[72] VARGAS, DOUG, US
[73] SENSUS USA INC., US
[85] 2013-01-28
[86] 2011-08-05 (PCT/US2011/046683)
[87] (WO2012/021385)
[30] US (12/852,684) 2010-08-09

[11] **2,807,777**
[13] C
[51] **Int.Cl. B65D 23/08 (2006.01) B65D 55/08 (2006.01) B65D 75/00 (2006.01)**
[25] EN
[54] **PERFORATED SHRINK WRAP SLEEVES AND CONTAINERS**
[54] **MANCHONS DE FILM RETRACTABLE PERFORE ET RECIPIENTS**
[72] DUPUIS, GLEN A., US
[72] LUCISANO, KATHERINE, US
[72] DE CLEIR, PIARAS VALDIS, US
[73] KRAFT FOODS GROUP BRANDS LLC, US
[85] 2013-02-07
[86] 2011-08-15 (PCT/US2011/047750)
[87] (WO2012/024218)
[30] US (61/374,027) 2010-08-16

---

[11] **2,807,830**
[13] C
[51] **Int.Cl. A61K 31/221 (2006.01) A61K 31/41 (2006.01) A61P 9/00 (2006.01) A61P 9/04 (2006.01) A61P 9/12 (2006.01)**
[25] EN
[54] **TREATMENT OF HYPERTENSION AND/OR PREVENTION OR TREATMENT OF HEART FAILURE IN A MAMMAL RECEIVING ANTI-COAGULANT THERAPY**
[54] **TRAITEMENT DE L'HYPERTENSION ET/OU PREVENTION OU TRAITEMENT DE L'INSUFFISANCE CARDIAQUE CHEZ UN MAMMIFERE RECEVANT UNE THERAPIE ANTICOAGULANTE**
[72] ALBRECHT, DIEGO, CH
[72] CHANDRA, PRIYAMVADA, US
[72] GODTFREDSEN, SVEN, US
[72] JORDAAN, PIERRE, CH
[72] LEFKOWITZ, MARTIN, US
[73] NOVARTIS AG, CH
[85] 2013-02-07
[86] 2011-08-22 (PCT/US2011/048542)
[87] (WO2012/027237)
[30] US (61/376,417) 2010-08-24

---

[11] **2,808,331**
[13] C
[51] **Int.Cl. A61C 1/00 (2006.01)**
[25] EN
[54] **SYSTEM INCLUDING A WIRELESS DENTAL INSTRUMENT AND UNIVERSAL WIRELESS FOOT CONTROLLER**
[54] **SYSTEME COMPRENANT UN INSTRUMENT DENTAIRE SANS FIL ET UNE PEDALE DE REGLAGE SANS FIL UNIVERSELLE**
[72] LINT, KEVIN KENNETH, US
[72] WITMER, JARED, US
[72] REAGAN, JOSEPH ROBERT, US
[73] DENTSPLY INTERNATIONAL INC., US
[85] 2013-02-06
[86] 2011-04-12 (PCT/US2011/032070)
[87] (WO2011/130236)
[30] US (61/323,142) 2010-04-12
[30] US (61/323,120) 2010-04-12
[30] US (61/323,129) 2010-04-12
[30] US (61/323,159) 2010-04-12

---

[11] **2,808,572**
[13] C
[51] **Int.Cl. B01F 7/16 (2006.01) B01F 3/08 (2006.01) G01N 1/36 (2006.01)**
[25] EN
[54] **PERFORMANCE ESTIMATION METHOD AND SCALE-UP METHOD FOR PARTICLE SIZE BREAKUP APPARATUS**
[54] **PROCEDE D'EVALUATION DE LA PERFORMANCE D'UN DISPOSITIF D'ATOMISATION ET PROCEDE DE MISE A L'ECHELLE**
[72] KAMIYA TETSU, JP
[73] MEIJI CO., LTD., JP
[85] 2013-02-15
[86] 2011-08-19 (PCT/JP2011/068777)
[87] (WO2012/023608)
[30] JP (2010-184466) 2010-08-19

---

[11] **2,810,424**
[13] C
[51] **Int.Cl. D21H 17/67 (2006.01)**
[25] EN
[54] **CELLULOSE-REINFORCED HIGH MINERAL CONTENT PRODUCTS AND METHODS OF MAKING THE SAME**
[54] **PRODUITS A HAUTE TENEUR EN MINERAUX ET RENFORCES DE CELLULOSE, ET PROCEDES DE FABRICATION CORRESPONDANTS**
[72] LALEG, MAKHLOUF, CA
[72] HUA, XUJUN, CA
[73] FPINNOVATIONS, CA
[85] 2013-03-05
[86] 2011-09-29 (PCT/CA2011/001097)
[87] (WO2012/040830)
[30] US (61/388,939) 2010-10-01

---

[11] **2,811,969**
[13] C
[51] **Int.Cl. H04W 80/02 (2009.01) H04L 29/12 (2006.01)**
[25] EN
[54] **LEGACY-COMPATIBLE CONTROL FRAMES**
[54] **TRAMES DE COMMANDE COMPATIBLES AVEC DES TRAMES HERITEES**
[72] WENTINK, MAARTEN MENZO, US
[73] QUALCOMM INCORPORATED, US
[85] 2013-03-20
[86] 2011-09-28 (PCT/US2011/053762)
[87] (WO2012/044708)
[30] US (61/388,896) 2010-10-01
[30] US (13/245,555) 2011-09-26

---

[11] **2,812,315**
[13] C
[51] **Int.Cl. E04B 9/12 (2006.01) E04B 9/18 (2006.01)**
[25] EN
[54] **SUSPENDED CEILING GRID ADAPTER**
[54] **ADAPTATEUR DE RESEAU DE PLAFOND SUSPENDU**
[72] SAREYKA, BRETT W., US
[72] NEAL, JOSHUA L., US
[73] WORTHINGTON ARMSTRONG VENTURE, US
[86] (2812315)
[87] (2812315)
[22] 2013-04-11
[30] US (13/573,280) 2012-09-08

[11] **2,812,684**
[13] C
[51] **Int.Cl. B05B 1/30 (2006.01)**
[25] EN
[54] **SPRAY GUN WITH PAINT CARTRIDGE**
[54] **PISTOLET DE PULVERISATION AVEC CARTOUCHE DE PEINTURE**
[72] FOX, JEFFREY D., US
[72] BROSE, JENS, DE
[72] SCHMON, EWALD, DE
[73] SATA GMBH & CO. KG, DE
[73] FOX, JEFFREY D., US
[85] 2013-03-22
[86] 2011-05-12 (PCT/EP2011/057655)
[87] (WO2012/119664)
[30] US (13/042,014) 2011-03-07

[11] **2,813,021**
[13] C
[51] **Int.Cl. G07F 13/10 (2006.01) B67D 7/02 (2010.01) B67D 7/06 (2010.01) B67C 7/00 (2006.01) G07F 9/02 (2006.01) G07F 11/00 (2006.01) G07F 17/20 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEM, AND METHOD FOR DISPENSING, RECEIVING, CLEANING AND/OR FILLING CONTAINERS**
[54] **APPAREIL, SYSTEME ET PROCEDE DE DISTRIBUTION, DE RECEPTION, DE NETTOYAGE ET/OU DE REMPLISSAGE DE CONTENANT**
[72] PETRINI, THOMAS L., US
[73] EVIVE STATION, LLC, US
[85] 2013-03-27
[86] 2011-10-04 (PCT/US2011/054802)
[87] (WO2012/047916)
[30] US (61/389,418) 2010-10-04

[11] **2,814,880**
[13] C
[51] **Int.Cl. C10G 1/00 (2006.01) C10B 53/02 (2006.01) C10B 53/06 (2006.01) C10G 1/10 (2006.01) C10G 3/00 (2006.01) C10G 9/00 (2006.01)**
[25] EN
[54] **METHOD FOR THERMOCHEMICALLY CONVERTING ORGANIC WASTE MATERIAL HAVING HIGH MOLECULAR WEIGHT**
[54] **PROCEDE DE CRAQUAGE THERMIQUE DE DECHETS ORGANIQUES DE POIDS MOLECULAIRE ELEVE**
[72] WILLNER, THOMAS, DE
[73] NEXXOIL AG, CH
[85] 2013-04-16
[86] 2011-03-03 (PCT/DE2011/000220)
[87] (WO2011/127881)
[30] DE (10 2010 014 768.0) 2010-04-13

[11] **2,815,351**
[13] C
[51] **Int.Cl. A61K 8/898 (2006.01) A61K 8/34 (2006.01) A61K 8/81 (2006.01) A61Q 5/12 (2006.01) C08F 220/28 (2006.01) C08F 220/58 (2006.01)**
[25] EN
[54] **COSMETIC COMPOSITION, HAIR COSMETIC AND HAIR TREATMENT COSMETIC**
[54] **COMPOSITION COSMETIQUE, PRODUIT COSMETIQUE POUR LES CHEVEUX ET PRODUIT COSMETIQUE DE TRAITEMENT DES CHEVEUX**
[72] ISHIKUBO, AKIRA, JP
[72] YODA, SHOYA, JP
[73] MITSUBISHI CHEMICAL CORPORATION, JP
[85] 2013-04-19
[86] 2011-10-20 (PCT/JP2011/074169)
[87] (WO2012/053598)
[30] JP (2010-237635) 2010-10-22
[30] JP (2011-212630) 2011-09-28

[11] **2,816,177**
[13] C
[51] **Int.Cl. C12N 15/53 (2006.01) C12N 15/113 (2010.01) C12N 5/10 (2006.01) C12N 9/02 (2006.01) C12N 15/82 (2006.01) C12P 7/64 (2006.01)**
[25] EN
[54] **DESATURASE INTRONS AND METHOD OF USE FOR THE PRODUCTION OF PLANTS WITH MODIFIED POLYUNSATURATED FATTY ACIDS**
[54] **INTRONS DE DESATURASE ET METHODE D'UTILISATION EN VUE DE LA PRODUCTION DE PLANTS A ACIDES GRAS POLYINSATURES MODIFIES**
[72] FILLATTI, JOANNE J., US
[73] MONSANTO COMPANY, US
[86] (2816177)
[87] (2816177)
[22] 2000-08-11
[62] 2,382,693
[30] US (60/151,224) 1999-08-26
[30] US (60/172,128) 1999-12-17

[11] **2,817,057**
[13] C
[51] **Int.Cl. A61L 27/18 (2006.01) A61F 2/82 (2013.01) A61L 27/16 (2006.01) A61L 27/50 (2006.01) A61L 31/04 (2006.01) A61L 31/06 (2006.01) A61L 31/14 (2006.01)**
[25] EN
[54] **A STENT GRAFT WITH DOUBLE EPTFE-LAYERED-SYSTEM WITH HIGH PLASTICITY AND HIGH RIGIDITY**
[54] **ENDOPROTHESE A SYSTEME DE DOUBLE COUCHE EPTFE DOUEE D'UNE PLASTICITE ELEVEE ET D'UNE RIGIDITE ELEVEE**
[72] BREGULLA, RAINER, DE
[72] STOCKERT, GUNTHER, DE
[73] ABBOTT CARDIOVASCULAR SYSTEMS INC., US
[85] 2013-05-03
[86] 2011-12-28 (PCT/US2011/067595)
[87] (WO2012/094212)
[30] US (12/985,151) 2011-01-05

[11] **2,818,206**
[13] C
[51] **Int.Cl. G01R 19/145 (2006.01) G01R 19/155 (2006.01) G01R 19/165 (2006.01)**
[25] EN
[54] **ELECTRICAL DEVICE AND METHOD FOR DETERMINING A PHASE FAILURE IN THE ELECTRICAL DEVICE**
[54] **APPAREIL ELECTRIQUE ET PROCEDE DE DETECTION D'UNE DEFAILLANCE DE PHASE DANS LEDIT APPAREIL ELECTRIQUE**
[72] HERTZ, DIRK, DE
[72] SCHONENBERG, MARCO, DE
[72] SEITZ, JOHANN, DE
[72] ZITZLER, STEFAN, DE
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2013-05-16
[86] 2010-11-17 (PCT/EP2010/067638)
[87] (WO2012/065633)

---

[11] **2,819,001**
[13] C
[51] **Int.Cl. E02D 29/02 (2006.01)**
[25] EN
[54] **FACING ELEMENT WITH INTEGRATED COMPRESSIBILITY**
[54] **ELEMENT DE PAREMENT A COMPRESSIBILITE INTEGREE**
[72] MARITZ, LOUWTJIE, ZA
[72] FREITAG, NICOLAS, FR
[73] TERRE ARMEE INTERNATIONALE, FR
[85] 2013-05-24
[86] 2010-11-26 (PCT/IB2010/003430)
[87] (WO2012/069868)

---

[11] **2,819,094**
[13] C
[51] **Int.Cl. C04B 28/06 (2006.01) C04B 28/14 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN OR RELATING TO CEMENTITIOUS COMPOSITIONS**
[54] **AMELIORATIONS DANS OU RELATIVES A DES COMPOSITIONS CIMENTAIRES**
[72] MILLS, PETER SHELLEY, US
[72] ROBL, THOMAS L., US
[72] RATHBONE, ROBERT F., US
[72] JEWELL, ROBERT BENJAMIN, US
[73] MINOVA INTERNATIONAL LIMITED, GB
[85] 2013-05-27
[86] 2011-12-07 (PCT/GB2011/052417)
[87] (WO2012/076880)
[30] US (12/963,179) 2010-12-08
[30] GB (1101327.3) 2011-01-26

---

[11] **2,819,274**
[13] C
[51] **Int.Cl. G01N 27/403 (2006.01) G01N 27/327 (2006.01) G01N 27/414 (2006.01) C09K 15/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND PROCESS FOR FORMING CARBON NANOTUBE SENSORS**
[54] **SYSTEMES ET PROCEDE DE FORMATION DE CAPTEURS A NANOTUBES DE CARBONE**
[72] PARANJAPE, MAKARAND, US
[72] ZHOU, JIANYUN, US
[73] GEORGETOWN UNIVERSITY, US
[85] 2013-06-14
[86] 2010-12-17 (PCT/US2010/060929)
[87] (WO2012/082135)

---

[11] **2,822,406**
[13] C
[51] **Int.Cl. B01F 13/00 (2006.01) A61M 5/14 (2006.01) A61M 5/168 (2006.01) B01F 13/10 (2006.01) B01F 15/02 (2006.01)**
[25] FR
[54] **DEVICE FOR MIXING AT LEAST TWO CONSTITUENTS**
[54] **DISPOSITIF POUR MELANGER AU MOINS DEUX CONSTITUANTS**
[72] DEHAN, CHRISTOPHE, FR
[72] LAMY, DIDIER, FR
[73] EVEON, FR
[85] 2013-06-19
[86] 2011-12-19 (PCT/FR2011/053054)
[87] (WO2012/085428)
[30] FR (1061242) 2010-12-24

---

[11] **2,823,669**
[13] C
[51] **Int.Cl. B03C 3/014 (2006.01) B01D 47/06 (2006.01) B01D 50/00 (2006.01) B03C 3/16 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR PURIFYING AIR FROM NON-DESIRED COMPONENTS AND FOR ELIMINATING SUCH COMPONENTS**
[54] **DISPOSITIF ET PROCEDE DESTINES A PURIFIER L'AIR DE COMPOSANTS NON SOUHAITES ET A ELIMINER DE TELS COMPOSANTS**
[72] ILMASTI, VEIKKO ILMARI, FI
[73] AAVI TECHNOLOGIES LTD, FI
[85] 2013-07-03
[86] 2011-07-14 (PCT/FI2011/000037)
[87] (WO2012/095549)
[30] FI (20110007) 2011-01-12

[11] **2,824,042**
[13] C
[51] **Int.Cl. B23K 26/342 (2014.01) B23P 15/02 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A THREE-DIMENSIONAL ARTICLE**
[54] **PROCEDE DE FABRICATION D'UN ARTICLE TRIDIMENSIONNEL**
[72] ETTER, THOMAS, CH
[72] SCHURB, JULIUS, CH
[72] RICKENBACHER, LUKAS EMANUEL, CH
[72] KUENZLER, ANDREAS, CH
[73] ANSALDO ENERGIA IP UK LIMITED, GB
[86] (2824042)
[87] (2824042)
[22] 2013-08-16
[30] EP (12181126.9) 2012-08-21

[11] **2,824,968**
[13] C
[51] **Int.Cl. H04W 60/00 (2009.01) H04W 48/16 (2009.01) H04L 12/16 (2006.01)**
[25] EN
[54] **WIRELESS NETWORK SYSTEM, WIRELESS DEVICE, AND NETWORK REGISTRATION METHOD OF THE WIRELESS DEVICE**
[54] **SYSTEME DE RESEAU SANS FIL, DISPOSITIF SANS FIL ET PROCEDE D'ENREGISTREMENT SUR RESEAU DU DISPOSITIF SANS FIL**
[72] PARK, SEONG-MAN, KR
[72] CHOI, YOUNG-JUN, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2013-07-16
[86] 2012-03-07 (PCT/KR2012/001663)
[87] (WO2012/121544)
[30] KR (10-2011-0020625) 2011-03-08

[11] **2,825,267**
[13] C
[51] **Int.Cl. C12N 1/21 (2006.01) C12N 9/10 (2006.01) C12N 9/88 (2006.01) C12P 7/04 (2006.01) C12P 7/28 (2006.01)**
[25] EN
[54] **RECOMBINANT CLOSTRIDIUM BACTERIUM AND USES THEREOF IN ISOPROPANOL PRODUCTION**
[54] **BACTERIE DE CLOSTRIDIUM RECOMBINANTE ET SES UTILISATIONS DANS LA PRODUCTION D'ISOPROPANOL**
[72] SIMPSON, SEAN DENNIS, NZ
[72] KOEPKE, MICHAEL, NZ
[72] LIEW, FUNGMIN, NZ
[72] CHEN, WENDY YITING, NZ
[73] LANZATECH NEW ZEALAND LIMITED, NZ
[85] 2013-08-21
[86] 2012-02-24 (PCT/NZ2012/000022)
[87] (WO2012/115527)
[30] US (61/446,832) 2011-02-25

[11] **2,825,604**
[13] C
[51] **Int.Cl. B60R 9/058 (2006.01)**
[25] EN
[54] **ROOF RACK WITH AN INDICATION DEVICE FOR A LOAD CARRIER FOOT**
[54] **GALERIE DE TOIT DOTEE D'UN DISPOSITIF D'INDICATION POUR PIED DE PORTE-BAGAGES**
[72] MOLLER, MATTIAS, SE
[72] SVENSSON, MICAEL, SE
[73] THULE SWEDEN AB, SE
[85] 2013-07-25
[86] 2012-02-24 (PCT/EP2012/053195)
[87] (WO2012/113925)
[30] EP (11156025.6) 2011-02-25

[11] **2,826,569**
[13] C
[51] **Int.Cl. A61M 25/09 (2006.01) A61M 25/01 (2006.01) A61M 25/10 (2013.01)**
[25] EN
[54] **CONTINUOUS SINGLE WIRE STEERABLE CATHETER**
[54] **CATHETER ORIENTABLE A UN SEUL FIL CONTINU**
[72] BEDELL, RAYMOND, US
[73] ADVANCED PAIN CENTER, LLC, US
[85] 2013-08-02
[86] 2012-02-02 (PCT/US2012/023661)
[87] (WO2012/106533)
[30] US (61/439,451) 2011-02-04
[30] US (13/363,591) 2012-02-01

[11] **2,826,772**
[13] C
[51] **Int.Cl. H04W 16/32 (2009.01) H04W 72/04 (2009.01) H04J 11/00 (2006.01)**
[25] EN
[54] **MICRO BASE STATION, USER TERMINAL AND RADIO COMMUNICATION METHOD**
[54] **MICRO-STATION DE BASE, TERMINAL UTILISATEUR ET PROCEDE DE COMMUNICATION SANS FIL**
[72] ABE, TETSUSHI, JP
[72] NAGATA, SATOSHI, JP
[72] TAKEDA, KAZUAKI, JP
[73] NTT DOCOMO, INC., JP
[85] 2013-08-07
[86] 2012-02-13 (PCT/JP2012/053293)
[87] (WO2012/111624)
[30] JP (2011-029081) 2011-02-14

[11] **2,827,685**
[13] C
[51] **Int.Cl. A43B 3/00 (2006.01) A63B 24/00 (2006.01)**
[25] EN
[54] **FOOTWEAR HAVING SENSOR SYSTEM**
[54] **ARTICLE CHAUSSANT COMPORTANT UN SYSTEME CAPTEUR**
[72] MOLYNEUX, JAMES, US
[72] WEAST, AARON B., US
[72] RICE, JORDAN M., US
[72] SCHROCK, ALLAN M., US
[72] AMOS, MICHAEL S., US
[72] OWINGS, ANDREW A., US
[72] KNIGHT, JONATHAN BING, US
[72] STILLMAN, MARTINE, US
[72] HORELL, JOSEPH B., US
[73] NIKE INNOVATE C.V., US
[85] 2013-08-16
[86] 2012-02-17 (PCT/US2012/025713)
[87] (WO2012/112934)
[30] US (61/443,800) 2011-02-17

---

[11] **2,828,061**
[13] C
[51] **Int.Cl. B32B 25/00 (2006.01) E04F 15/10 (2006.01)**
[25] EN
[54] **FLOOR COVERING**
[54] **REVETEMENT DE SOL**
[72] KELLER, UWE, DE
[72] GRUN, GREGOR, DE
[72] BUTSCHER, ALFONS, DE
[73] NORA SYSTEMS GMBH, DE
[85] 2013-08-22
[86] 2012-01-17 (PCT/EP2012/000176)
[87] (WO2012/113493)
[30] DE (10 2011 012 169.2) 2011-02-23

---

[11] **2,828,286**
[13] C
[51] **Int.Cl. C12N 15/115 (2010.01) C07H 21/00 (2006.01) C07H 21/04 (2006.01) G01N 33/53 (2006.01) G01N 33/543 (2006.01) G01N 33/569 (2006.01) C07K 14/33 (2006.01)**
[25] EN
[54] **APTAMERS FOR CLOSTRIDIUM DIFFICILE DIAGNOSTICS**
[54] **APATAMERES POUR LE DIAGNOSTIC DE CLOSTRIDIUM DIFFICILE**
[72] OCHSNER, URS, US
[72] KATILIUS, EVALDAS, US
[72] JANJIC, NEBOJSA, US
[73] SOMALOGIC, INC., US
[85] 2013-08-23
[86] 2012-03-09 (PCT/US2012/028632)
[87] (WO2012/122540)
[30] US (61/451,227) 2011-03-10

---

[11] **2,828,373**
[13] C
[51] **Int.Cl. F16K 15/04 (2006.01)**
[25] EN
[54] **VALVE**
[54] **SOUPAPE**
[72] WOOD, RICHARD ROY, ZA
[72] BREDIN, MURRAY, ZA
[73] ERLS MINING (PTY) LTD, ZA
[85] 2013-08-26
[86] 2012-01-31 (PCT/ZA2012/000005)
[87] (WO2012/106736)
[30] ZA (2010/06997) 2011-01-31

---

[11] **2,828,654**
[13] C
[51] **Int.Cl. A01B 79/00 (2006.01) A01B 79/02 (2006.01) A01C 15/00 (2006.01) A01C 17/00 (2006.01) A01C 21/00 (2006.01)**
[25] EN
[54] **METHOD FOR ASCERTAINING THE FERTILIZER REQUIREMENT, IN PARTICULAR THE NITROGEN FERTILIZER REQUIREMENT, AND APPARATUS FOR CARRYING OUT THE METHOD**
[54] **PROCEDE POUR DETERMINER LES BESOINS EN ENGRAIS, EN PARTICULIER LES BESOINS EN ENGRAIS AZOTES, ET DISPOSITIF POUR METTRE EN OEUVRE CE PROCEDE**
[72] MAIDL, FRANZ-XAVER, DE
[73] TECHNISCHE UNIVERSITAT MUNCHEN, DE
[85] 2013-08-29
[86] 2012-03-02 (PCT/EP2012/053589)
[87] (WO2012/119931)
[30] DE (10 2011 001 096.3) 2011-03-04
[30] DE (10 2011 050 877.5) 2011-06-06

---

[11] **2,829,177**
[13] C
[51] **Int.Cl. B66C 13/06 (2006.01)**
[25] EN
[54] **ARRANGEMENT FOR DAMPING OSCILLATION OF LOADING MEMBER IN CRANE**
[54] **AGENCEMENT POUR AMORTIR UNE OSCILLATION D'ELEMENT DE CHARGEMENT DANS UNE GRUE**
[72] LAPPALAINEN, JANI, FI
[73] KONECRANES GLOBAL CORPORATION, FI
[85] 2013-09-05
[86] 2012-03-19 (PCT/FI2012/050256)
[87] (WO2012/131154)
[30] FI (20115289) 2011-03-25

[11] **2,829,192**
[13] C
[51] **Int.Cl. B65D 43/10 (2006.01) B65D 43/06 (2006.01) B65D 45/20 (2006.01)**
[25] EN
[54] **COMBINATION STRUCTURE OF FRAME MEMBER AND VIEWING COVER FOR FOOD CONTAINER COVER**
[54] **STRUCTURE DE COMBINAISON D'UN ELEMENT CHASSIS ET D'UN COUVERCLE TRANSPARENT POUR COUVERCLE DE RECIPIENT DE NOURRITURE**
[72] WANG, SOO CHANG, KR
[73] KOREA ALPHALINE CO., LTD., KR
[85] 2013-09-05
[86] 2012-02-24 (PCT/KR2012/001421)
[87] (WO2012/121500)
[30] KR (20-2011-0001934) 2011-03-09

---

[11] **2,829,964**
[13] C
[51] **Int.Cl. E02D 17/20 (2006.01)**
[25] EN
[54] **SYNTHETIC GROUND COVER SYSTEM WITH BINDING INFILL FOR EROSION CONTROL**
[54] **SYSTEME DE REVETEMENT DE SOL EN MATERIAU SYNTHETIQUE AVEC REMPLISSAGE POURVU D'UN LIANT POUR LA LUTTE CONTRE L'EROSION**
[72] AYERS, MICHAEL, US
[72] URRUTIA, JOSE, US
[73] WATERSHED GEOSYNTHETICS LLC, US
[85] 2013-09-11
[86] 2012-03-11 (PCT/US2012/028673)
[87] (WO2012/125513)
[30] US (61/451,839) 2011-03-11

---

[11] **2,830,379**
[13] C
[51] **Int.Cl. E04B 5/12 (2006.01) E04B 9/00 (2006.01) E04B 9/24 (2006.01) E04B 9/30 (2006.01)**
[25] EN
[54] **30-MINUTE RESIDENTIAL FIRE PROTECTION OF FLOORS**
[54] **PROTECTION DE 30 MINUTES DES PLANCHERS EN CAS DE FEU DOMESTIQUE**
[72] MILLER, GARY F., US
[73] UNITED STATES GYPSUM COMPANY, US
[85] 2013-09-16
[86] 2012-03-12 (PCT/US2012/028725)
[87] (WO2012/128983)
[30] US (13/069,445) 2011-03-23

---

[11] **2,830,444**
[13] C
[51] **Int.Cl. F24F 7/007 (2006.01) F04D 25/10 (2006.01)**
[25] EN
[54] **VENTILATION DEVICE**
[54] **DISPOSITIF DE VENTILATION**
[72] LI, GANGYI, CN
[72] ZHU, JIANRONG, CN
[72] GAO, SHOUYONG, CN
[73] PANASONIC ECOLOGY SYSTEMS GUANGDONG CO., LTD., CN
[73] PANASONIC CORPORATION, JP
[85] 2013-09-17
[86] 2012-03-23 (PCT/CN2012/072902)
[87] (WO2012/130096)
[30] CN (201120104017.3) 2011-03-31

---

[11] **2,831,841**
[13] C
[51] **Int.Cl. H01H 9/00 (2006.01) H01H 3/30 (2006.01) H01H 3/60 (2006.01)**
[25] EN
[54] **TAP CHANGER HAVING A VACCUM INTERRUPTER ASSEMBLY WITH AN IMPROVED DAMPER**
[54] **CHANGEUR DE PRISES COMPRENANT UN ENSEMBLE INTERRUPTEUR A VIDE DOTE D'UN AMORTISSEUR AMELIORE**
[72] ELICK, ROBERT ALAN, US
[72] BRASHER, JON CHRISTOPHER, US
[73] ABB SCHWEIZ AG, CH
[85] 2013-09-25
[86] 2012-03-23 (PCT/US2012/030244)
[87] (WO2012/134977)
[30] US (61/467,837) 2011-03-25

---

[11] **2,832,803**
[13] C
[51] **Int.Cl. A61F 7/12 (2006.01)**
[25] EN
[54] **PLAQUE STABILISATION USING CRYOENERGY**
[54] **STABILISATION DE PLAQUE A L'AIDE DE CRYOENERGIE**
[72] BUCHBINDER, MAURICE, US
[72] WERNETH, RANDELL LOUIS, US
[72] YIANNI, YIANNAKIS PETROU, GB
[72] NAHON, DANIEL, CA
[72] FLAHERTY, J. CHRISTOPHER, US
[72] SANTOIANNI, DOMENIC, CA
[73] CRYOTHERAPEUTICS GMBH, DE
[85] 2013-10-09
[86] 2012-04-13 (PCT/GB2012/050820)
[87] (WO2012/140439)
[30] US (61/474,987) 2011-04-13

---

[11] **2,833,356**
[13] C
[51] **Int.Cl. G06F 17/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATIC WRAPPER INDUCTION USING TARGET STRINGS**
[54] **SYSTEME ET PROCEDE POUR INDUCTION DES MARQUES DE BORNAGE AUTOMATIQUE UTILISANT DES CHAINES CIBLES**
[72] PAVAN KUMAR MALLAPRAGADA NAGA SURYA, SIVA KALYANA, US
[73] HOME DEPOT INTERNATIONAL, INC., US
[86] (2833356)
[87] (2833356)
[22] 2013-11-14
[30] US (61/726,165) 2012-11-14
[30] US (13/837,961) 2013-03-15

[11] **2,833,833**
[13] C
[51] **Int.Cl. C09K 8/80 (2006.01) C09K 8/575 (2006.01) C09K 8/68 (2006.01)**
[25] EN
[54] **PARTICULATE MATERIALS COATED WITH A RELATIVE PERMEABILITY MODIFIER AND METHODS FOR TREATING SUBTERRANEAN FORMATIONS USING TREATMENT FLUIDS CONTAINING THE SAME**
[54] **MATIERES PARTICULAIRES ENROBEES D'UN MODIFICATEUR DE LA PERMEABILITE RELATIVE ET PROCEDES POUR LE TRAITEMENT DE FORMATIONS SOUTERRAINES UTILISANT DES FLUIDES DE TRAITEMENT LES CONTENANT**
[72] EOFF, LARRY STEVEN, US
[72] TODD, BRADLEY L., US
[72] ALLISON, DAVID B., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2013-10-21
[86] 2012-04-05 (PCT/GB2012/000316)
[87] (WO2012/150428)
[30] US (13/099,493) 2011-05-03

---

[11] **2,834,196**
[13] C
[51] **Int.Cl. G01M 3/18 (2006.01)**
[25] EN
[54] **DEGRADATION MONITORING SYSTEM FOR HOSE ASSEMBLY**
[54] **SYSTEME DE SURVEILLANCE DE DEGRADATION POUR ENSEMBLE TUYAU SOUPLE**
[72] HASTREITER, JAMES JOSEPH, US
[73] EATON CORPORATION, US
[85] 2013-10-23
[86] 2012-04-26 (PCT/US2012/035216)
[87] (WO2012/149161)
[30] US (61/480,924) 2011-04-29

---

[11] **2,834,495**
[13] C
[51] **Int.Cl. H02P 6/15 (2016.01) H02P 25/086 (2016.01)**
[25] EN
[54] **TORQUE BASED ELECTRONIC PULSE WIDTH MODULATION CONTROL SYSTEM FOR A SWITCHED RELUCTANCE MOTOR**
[54] **SYSTEME ELECTRONIQUE DE REGULATION DE LA MODULATION D'IMPULSIONS EN LARGEUR BASEE SUR LE COUPLE POUR UN MOTEUR A RELUCTANCE COMMUTEE**
[72] NORELL, NEIL N., US
[73] SHOP VAC CORPORATION, US
[85] 2013-10-28
[86] 2011-05-03 (PCT/US2011/034914)
[87] (WO2012/150931)

---

[11] **2,835,461**
[13] C
[51] **Int.Cl. G01N 21/00 (2006.01) G01N 1/28 (2006.01) G01N 21/13 (2006.01) G01N 21/64 (2006.01) G01N 33/483 (2006.01) G02B 21/36 (2006.01)**
[25] EN
[54] **DEVICE FOR MICROSCOPIC EXAMINATION**
[54] **DISPOSITIF SERVANT A UN EXAMEN MICROSCOPIQUE**
[72] KERN, PETER, DE
[72] TREICHEL, RAINER, DE
[73] AIRBUS DS GMBH, DE
[86] (2835461)
[87] (2835461)
[22] 2013-11-27
[30] DE (10 2012 111 528.1) 2012-11-28

---

[11] **2,835,985**
[13] C
[51] **Int.Cl. F16L 37/133 (2006.01) F16L 37/086 (2006.01) F16L 37/24 (2006.01)**
[25] EN
[54] **RATCHETING HOSE NUT FOR A FLUID DELIVERY DEVICE**
[54] **ECROU DE TUYAU A ROCHET POUR DISPOSITIF DE DISTRIBUTION DE FLUIDE**
[72] MEEHAN, STEVEN K., US
[72] YILIN, TANG, CN
[72] SISHEN, LUO, CN
[73] DELTA FAUCET COMPANY, US
[86] (2835985)
[87] (2835985)
[22] 2013-12-10
[30] US (13/709,968) 2012-12-10

---

[11] **2,836,879**
[13] C
[51] **Int.Cl. B23B 31/00 (2006.01) B23B 31/10 (2006.01) B23B 31/26 (2006.01) G01M 1/04 (2006.01)**
[25] EN
[54] **CLAMPING DEVICE FOR A BALANCING MACHINE**
[54] **DISPOSITIF DE SERRAGE POUR MACHINE D'EQUILIBRAGE**
[72] BUSCHBECK, ANDREAS, DE
[72] THELEN, DIETER, DE
[73] SCHENCK ROTEC GMBH, DE
[85] 2013-11-20
[86] 2012-07-27 (PCT/EP2012/064760)
[87] (WO2013/017537)
[30] DE (10 2011 052 308.1) 2011-07-29

---

[11] **2,839,092**
[13] C
[51] **Int.Cl. B01D 37/00 (2006.01) B03C 1/005 (2006.01)**
[25] EN
[54] **USE OF MAGNETIC MATERIAL TO DIRECT ISOLATION OF COMPOUNDS AND FRACTIONATION OF MULTIPART SAMPLES**
[54] **UTILISATION D'UN MATERIAU MAGNETIQUE PERMETTANT DE PROCEDER A L'ISOLEME T DE COMPOSES ET LE FRACTIONNEMENT D'ECHANTILLONS CONSTITUES DE PLUSIEU S PARTIES**
[72] FORT, THOMAS L., US
[72] COLLIS, MATTHEW P., US
[72] GENTLE, THOMAS M., JR., US
[73] BECTON, DICKINSON AND COMPANY, US
[86] (2839092)
[87] (2839092)
[22] 2005-08-01
[62] 2,575,446
[30] US (60/598,118) 2004-08-03

[11] **2,840,203**
[13] C
[51] **Int.Cl. A61B 17/42 (2006.01) A61B 1/303 (2006.01)**
[25] EN
[54] **ERGONOMIC, LIGHTED, UTERINE MANIPULATOR WITH CAUTERY**
[54] **MANIPULATEUR UTERIN LUMINEUX ERGONOMIQUE DOTE DE CAUTERE**
[72] SAUER, JUDE S., US
[73] LSI SOLUTIONS, INC., US
[85] 2013-12-20
[86] 2012-06-21 (PCT/US2012/043596)
[87] (WO2012/177915)
[30] US (13/165,494) 2011-06-21

---

[11] **2,840,244**
[13] C
[51] **Int.Cl. F21S 4/20 (2016.01) F21K 9/00 (2016.01) F21S 4/22 (2016.01) F21S 4/24 (2016.01) B60Q 1/26 (2006.01) G02B 6/10 (2006.01)**
[25] EN
[54] **SYSTEM FOR LIGHTING APPARATUS UTILIZING LIGHT ACTIVE SHEET MATERIAL WITH INTEGRATED LIGHT EMITTING DIODE, WINDOW WITH LIGHTING APPARATUS, CONVEYANCE WITH LIGHTING APPARATUS, AND METHOD OF PROVIDING LIGHTING APPARATUS**
[54] **SYSTEME POUR ECLAIRAGE D'APPAREIL UTILISANT UNE MATIERE DE FEUILLE ACTIVE A LA LUMIERE AYANT UNE DIODE ELECTROLUMINESCENTE INTEGREE, FENETRE MUNI D'APPAREIL D'ECLAIRAGE, MOYEN DE TRANSPORT MUNI D'APPAREIL D'ECLAIRAGE ET PROCEDE DE FOURNITURE D'APPAREIL D'ECLAIRAGE**
[72] GROTE, WILLIAM, US
[72] BOZICH, RICHARD C., US
[72] ROBBINS, STANLEY D., US
[72] ROBERTS, JAMES E., US
[72] MARX, MARTIN J., US
[72] EHLERS, JENNIFER M., US
[72] HERNANDEZ, ARTURO, US
[72] BENNETT, LARRY R., US
[73] GROTE INDUSTRIES, LLC, US
[85] 2013-12-20
[86] 2012-07-27 (PCT/US2012/048569)
[87] (WO2013/016646)
[30] US (61/512,272) 2011-07-27

---

[11] **2,841,063**
[13] C
[51] **Int.Cl. H04W 12/06 (2009.01) H04L 29/06 (2006.01)**
[25] EN
[54] **DATA INTEGRITY FOR PROXIMITY-BASED COMMUNICATION**
[54] **INTEGRITE DES DONNEES POUR DES COMMUNICATIONS BASEES SUR LA PROXIMITE**
[72] LAZARIDIS, MIHAL, CA
[72] PECEN, MARK E., CA
[72] VANSTONE, SCOTT ALEXANDER, CA
[72] CAMPAGNA, MATTHEW JOHN, US
[72] ROSATI, ANTHONY, CA
[73] BLACKBERRY LIMITED, CA
[73] CERTICOM CORP., CA
[85] 2014-01-06
[86] 2011-07-11 (PCT/US2011/043538)
[87] (WO2013/009288)

---

[11] **2,842,491**
[13] C
[51] **Int.Cl. G07F 17/32 (2006.01)**
[25] EN
[54] **ELECTRONIC GAMING AND/OR ENTERTAINMENT DEVICE**
[54] **APPAREIL DE JEU ET/OU DE DIVERTISSEMENT ELECTRONIQUE**
[72] WOLS, MARTIN, AT
[72] GAWEL, MAREK, AT
[73] NOVOMATIC AG, AT
[85] 2014-01-21
[86] 2012-07-19 (PCT/EP2012/003044)
[87] (WO2013/013793)
[30] DE (10 2011 108 318.2) 2011-07-22

---

[11] **2,843,250**
[13] C
[51] **Int.Cl. A47G 9/10 (2006.01) A61F 5/56 (2006.01)**
[25] EN
[54] **ARM PROTECTOR HEAD REST**
[54] **APPUI-TETE A PROTECTEUR DE BRAS**
[72] MOORE, PHILIP, GB
[73] MOORE, PHILIP, GB
[73] MOORE, JAMES, GB
[85] 2014-01-23
[86] 2012-07-27 (PCT/GB2012/000621)
[87] (WO2013/017817)
[30] GB (1113055.6) 2011-07-29

---

[11] **2,844,050**
[13] C
[51] **Int.Cl. G05B 19/042 (2006.01) G06Q 30/04 (2012.01) F24F 11/30 (2018.01) F24F 11/50 (2018.01) H04L 12/28 (2006.01)**
[25] EN
[54] **METHOD FOR REMOTELY MANAGING AN ENVIRONMENTAL CONTROL AND MONITORING DEVICE**
[54] **PROCEDE DE GESTION A DISTANCE D'UN DISPOSITIF DE CONTROLE DE SURVEILLANCE ENVIRONNEMENTALE**
[72] GORDON, MICHAEL, US
[72] SCOTT, J. HENRY, US
[72] LAGANIS, EDWARD J., US
[72] JUDGE, JAMES M., US
[72] ARMONAITIS, KEITH, US
[73] INNOVACI INC., US
[85] 2014-02-03
[86] 2012-08-03 (PCT/US2012/049596)
[87] (WO2013/020085)
[30] US (61/514,675) 2011-08-03

---

[11] **2,844,065**
[13] C
[51] **Int.Cl. G06F 17/30 (2006.01)**
[25] EN
[54] **PROVIDING KNOWLEDGE PANELS WITH SEARCH RESULTS**
[54] **FOURNITURE DE PANNEAUX DE CONNAISSANCES AVEC RESULTATS DE RECHERCHE**
[72] HENRY, JEROMY W., US
[73] GOOGLE LLC, US
[85] 2014-02-03
[86] 2012-08-03 (PCT/US2012/049594)
[87] (WO2013/020084)
[30] US (61/515,305) 2011-08-04

[11] **2,845,184**
[13] C
[51] **Int.Cl. G01N 30/88 (2006.01)**
[25] EN
[54] **FRACTIONATION OF DE-ASPHALTED OIL OF VACUUM RESID USING PREPARATIVE HIGH PERFORMANCE LIQUID CHROMATOGRAPHIC SEPARATIONS**
[54] **FRACTIONNEMENT PETROLE DESASPHALTE DE RESIDU SOUS VIDE PAR SEPARATIONS PAR CHROMATOGRAPHIE LIQUIDE A HAUTE PERFORMANCE (CLHP)**
[72] CHAWLA, BIRBAL, US
[72] HAGEE, BRYAN E., US
[72] GREEN, LARRY A., US
[72] DISANZO, FRANK P., US
[73] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2014-02-12
[86] 2012-08-31 (PCT/US2012/053285)
[87] (WO2013/033498)
[30] US (13/223,739) 2011-09-01

---

[11] **2,846,244**
[13] C
[51] **Int.Cl. A61B 17/56 (2006.01) A61B 17/04 (2006.01) A61F 2/08 (2006.01)**
[25] EN
[54] **ADJUSTABLE CONTINUOUS FILAMENT STRUCTURE AND METHOD OF MANUFACTURE AND USE**
[54] **STRUCTURE DE FILAMENT CONTINU AJUSTABLE ET PROCEDE DE FABRICATION ET D'UTILISATION**
[72] PILGERAM, KYLE CRAIG, US
[72] PADILLA, LUIS, US
[72] VODNICK, AARON, US
[72] LONGERICH, RANDY, US
[73] STRYKER CORPORATION, US
[73] CORTLAND CABLE COMPANY, INC., US
[86] (2846244)
[87] (2846244)
[22] 2014-03-12
[30] US (13/799,773) 2013-03-13

---

[11] **2,846,546**
[13] C
[51] **Int.Cl. H04L 12/873 (2013.01) H04L 12/823 (2013.01) H04L 12/66 (2006.01) H04L 29/08 (2006.01)**
[25] EN
[54] **CABLE MODEM TERMINATION SYSTEM CONTROL OF CABLE MODEM QUEUE LENGTH**
[54] **COMMANDE DE SYSTEME DE TERMINAISON D'UN MODEM CABLE DE LONGUEUR DE FILE D'ATTENTE DE MODEM CABLE**
[72] PATRICK, MICHAEL W., US
[72] VANDERSCHAAF, NATE, US
[73] ARRIS ENTERPRISES LLC, US
[86] (2846546)
[87] (2846546)
[22] 2014-03-14
[30] US (61/789,283) 2013-03-15
[30] US (14/207,435) 2014-03-12

---

[11] **2,846,638**
[13] C
[51] **Int.Cl. A01B 69/00 (2006.01) A01M 21/04 (2006.01) B60B 33/04 (2006.01)**
[25] EN
[54] **FORK ASSEMBLY FOR AGRICULTURAL APPLICATOR**
[54] **ENSEMBLE FOURCHE POUR APPLICATEUR AGRICOLE**
[72] RUPPERT, REX L., US
[72] FISCHER, GREG, US
[73] CNH INDUSTRIAL AMERICA LLC, US
[85] 2014-02-25
[86] 2012-08-30 (PCT/US2012/053123)
[87] (WO2013/036430)
[30] US (13/226,945) 2011-09-07

---

[11] **2,849,038**
[13] C
[51] **Int.Cl. H04N 19/14 (2014.01) H04N 19/176 (2014.01) H04N 19/86 (2014.01)**
[25] EN
[54] **METHOD OF APPLYING EDGE OFFSET**
[54] **PROCEDE D'APPLICATION D'UN DECALAGE DE BORD**
[72] JANG, MIN, KR
[73] INFOBRIDGE PTE. LTD., SG
[85] 2014-03-18
[86] 2013-01-08 (PCT/CN2013/070222)
[87] (WO2013/107314)
[30] KR (10-2012-0005334) 2012-01-17

---

[11] **2,849,429**
[13] C
[51] **Int.Cl. B61L 5/12 (2006.01) B61L 5/02 (2006.01) B61L 29/28 (2006.01) E01B 7/20 (2006.01) E01B 7/22 (2006.01)**
[25] EN
[54] **POINT DETECTOR OVERTIE STRUCTURE**
[54] **STRUCTURE SUR TRAVERSE DE CONTROLEUR DE POSITION D'AIGUILLE**
[72] ARNOLD, JIM, US
[73] VOSSLOH SIGNALING USA, INC., US
[85] 2014-03-20
[86] 2012-09-18 (PCT/US2012/055936)
[87] (WO2013/043612)
[30] US (13/200,232) 2011-09-20

---

[11] **2,849,750**
[13] C
[51] **Int.Cl. C08B 15/02 (2006.01) D21H 11/18 (2006.01) D21H 11/20 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING CELLULOSE NANOFIBERS**
[54] **PROCEDE DE FABRICATION DE NANOFIBRES DE CELLULOSE**
[72] TSUJI, SHIHO, JP
[72] FUKAZAWA, MASAHIKO, JP
[72] MIYAWAKI, SHOICHI, JP
[72] IIMORI, TAKESHI, JP
[73] NIPPON PAPER INDUSTRIES CO., LTD., JP
[85] 2014-03-21
[86] 2012-09-13 (PCT/JP2012/073437)
[87] (WO2013/047218)
[30] JP (2011-216425) 2011-09-30

[11] **2,849,996**
[13] C
[51] **Int.Cl. A01N 43/56 (2006.01) A01N 43/78 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR CONTROLLING PLANT FUNGAL DISEASES COMPRISING A CARBOXAMIDE COMPOUND AND ETHABOXAM**
[54] **COMPOSITIONS DE CONTROLE DES MALADIES FONGIQUES DES VEGETAUX RENFERMANT UN COMPOSE CARBOXAMIDE ET DE L'ETHABOXAM**
[72] MATSUZAKI, YUICHI, JP
[73] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
[85] 2014-03-24
[86] 2011-09-26 (PCT/JP2011/005393)
[87] (WO2013/046247)

---

[11] **2,850,165**
[13] C
[51] **Int.Cl. B01F 3/04 (2006.01) A23L 2/54 (2006.01) B01F 15/04 (2006.01) G05D 11/02 (2006.01)**
[25] EN
[54] **ADJUSTABLE IN-LINE ON DEMAND CARBONATION CHAMBER FOR BEVERAGE APPLICATIONS**
[54] **CHAMBRE DE CARBONATATION A LA DEMANDE EN LIGNE REGLABLE POUR BOISSON**
[72] PHILLIPS, DAVID L., US
[72] ROMERO, ROBERT J., US
[72] VERDUGO, CHRISTOPHER H., US
[73] FLOW CONTROL LLC., US
[85] 2014-03-26
[86] 2012-10-11 (PCT/US2012/059675)
[87] (WO2013/055869)
[30] US (61/545,794) 2011-10-11

---

[11] **2,850,999**
[13] C
[51] **Int.Cl. A61K 31/25 (2006.01) A61P 3/06 (2006.01)**
[25] EN
[54] **METHOD FOR THE TREATMENT OF HYPERTRIGLYCERIDEMIA**
[54] **METHODE DE TRAITEMENT DE L'HYPERTRIGLYCERIDEMIE**
[72] MAJEED, MUHAMMED, US
[72] NAGABHUSHANAM, KALYANAM, US
[72] MAJEED, ANJU, US
[72] BANI, SARANG, IN
[72] PANDEY, ANJALI, IN
[73] MAJEED, MUHAMMED, US
[73] NAGABHUSHANAM, KALYANAM, US
[73] MAJEED, ANJU, US
[73] BANI, SARANG, IN
[73] PANDEY, ANJALI, IN
[86] (2850999)
[87] (2850999)
[22] 2014-05-01
[30] US (14/259,404) 2014-04-23

---

[11] **2,851,661**
[13] C
[51] **Int.Cl. B29B 13/10 (2006.01) B01F 15/02 (2006.01) B02C 18/08 (2006.01) B29B 17/04 (2006.01) B29C 47/10 (2006.01)**
[25] EN
[54] **APPARATUS FOR THE PRETREATMENT AND SUBSEQUENT CONVEYING, PLASTIFICATION OR AGGLOMERATION OF PLASTICS**
[54] **APPAREIL DE PRETRAITEMENT ET DE TRANSPORT, PLASTIFICATION OU AGGLOMERATION SUBSEQUENT DE PLASTIQUES**
[72] FEICHTINGER, KLAUS, AT
[72] HACKL, MANFRED, AT
[73] EREMA ENGINEERING RECYCLING MASCHINEN UND ANLAGEN GESELLSCHAFT M.B.H., AT
[85] 2014-04-10
[86] 2012-10-12 (PCT/AT2012/050152)
[87] (WO2013/052980)
[30] AT (A 1501/2011) 2011-10-14

---

[11] **2,852,953**
[13] C
[51] **Int.Cl. G06Q 10/04 (2012.01) G06Q 10/06 (2012.01) E21B 43/00 (2006.01) G06Q 50/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SUBSURFACE OIL RECOVERY OPTIMIZATION**
[54] **SYSTEMES ET PROCEDES D'OPTIMISATION DE RECUPERATION DE PETROLE EN SOUS-SOL**
[72] PRIYESH, RANJAN, US
[72] SHELDON, BURT GORELL, US
[72] KUMAR, AMIT, US
[72] CULLICK, ALVIN STANLEY, US
[72] CARVAJAL, GUSTAVO A., US
[72] URRUTIA, KARELIS ALEJANDRA, US
[72] KHAN, HASNAIN, US
[72] SAPUTELLI, LUIGI, US
[72] NASR, HATEM, US
[73] LANDMARK GRAPHICS CORPORATION, US
[85] 2014-04-01
[86] 2012-10-05 (PCT/US2012/058851)
[87] (WO2013/052731)
[30] US (61/544,202) 2011-10-06

---

[11] **2,853,154**
[13] C
[51] **Int.Cl. B01J 23/72 (2006.01) B01D 53/94 (2006.01) B01J 29/70 (2006.01)**
[25] EN
[54] **CATALYST COMPOSITION AND METHOD FOR USE IN SELECTIVE CATALYTIC REDUCTION OF NITROGEN OXIDES**
[54] **COMPOSITION DE CATALYSEUR ET PROCEDE D'UTILISATION DANS UNE REDUCTION CATALYTIQUE SELECTIVE D'OXYDES D'AZOTE**
[72] STAKHEEV, ALEXANDR YU, RU
[72] GRILL, MARIE, DK
[72] KUSTOV, ARKADY, DK
[73] UMICORE AG & CO. KG, DE
[85] 2014-04-22
[86] 2012-05-02 (PCT/EP2012/058003)
[87] (WO2013/060487)
[30] EP (PCT/EP2011/005344) 2011-10-24

[11] **2,856,540**
[13] C
[51] **Int.Cl. C07D 241/04 (2006.01) A61K 31/495 (2006.01) A61P 7/00 (2006.01) C07D 295/13 (2006.01)**
[25] EN
[54] **ANTICOAGULANT REVERSAL AGENTS**
[54] **AGENTS INVERSANT L'EFFET DES ANTICOAGULANTS**
[72] STEINER, SOLOMON S., US
[72] LAULICHT, BRYAN E., US
[72] BAKHRU, SASHA H., US
[72] MATHIOWITZ, EDITH, US
[73] PEROSPHERE PHARMACEUTICALS INC., US
[85] 2014-05-21
[86] 2012-11-29 (PCT/US2012/066938)
[87] (WO2013/082210)
[30] US (61/564,559) 2011-11-29
[30] US (61/614,292) 2012-03-22
[30] US (61/641,698) 2012-05-02
[30] US (61/666,291) 2012-06-29

[11] **2,856,764**
[13] C
[51] **Int.Cl. C12N 5/02 (2006.01) C12N 5/0775 (2010.01) C12N 1/38 (2006.01)**
[25] EN
[54] **MEDIUM COMPOSITION FOR REJUVENATING STEM CELLS**
[54] **COMPOSITION DE MILIEU DE CULTURE POUR RAJEUNIR DES CELLULES SOUCHES**
[72] KANG, SUNG KEUN, KR
[72] RA, JEONG CHAN, KR
[72] PARK, HYEONG GEUN, KR
[72] LEE, HANG YOUNG, KR
[73] R BIO CO., LTD., KR
[85] 2014-05-22
[86] 2012-12-03 (PCT/KR2012/010380)
[87] (WO2013/081436)
[30] KR (10-2011-0127885) 2011-12-01

[11] **2,856,906**
[13] C
[51] **Int.Cl. H04N 19/46 (2014.01) H04N 19/115 (2014.01) H04N 19/172 (2014.01) H04N 19/52 (2014.01)**
[25] EN
[54] **IMAGE CODING METHOD AND DEVICE FOR BUFFER MANAGEMENT OF DECODER, AND IMAGE DECODING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE CODAGE D'IMAGE POUR UNE GESTION DE TAMPON D'UN DECODEUR, ET PROCEDE ET DISPOSITIF DE DECODAGE D'IMAGE**
[72] PARK, YOUNG-O, KR
[72] KIM, CHAN-YUL, KR
[72] CHOI, KWANG-PYO, KR
[72] PARK, JEONG-HOON, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2014-05-23
[86] 2012-11-23 (PCT/KR2012/009972)
[87] (WO2013/077665)
[30] US (61/563,678) 2011-11-25
[30] KR (10-2012-0034093) 2012-04-02

[11] **2,857,552**
[13] C
[51] **Int.Cl. B64F 1/305 (2006.01) E01D 15/12 (2006.01)**
[25] EN
[54] **APPARATUS TO INTERFACE A BOARDING BRIDGE AND A LOW DOORSILL AIRPLANE**
[54] **APPAREIL ASSURANT L'INTERFACE ENTRE UNE PASSERELLE D'EMBARQUEMENT ET UN AVION A SEUIL DE PORTE BAS**
[72] LARSON, JAMES, US
[73] EAST ISLAND AVIATION SERVICES, INC., US
[85] 2014-07-07
[86] 2014-05-09 (PCT/US2014/037540)
[87] (WO2014/197167)
[30] US (61/830,431) 2013-06-03
[30] US (14/274,270) 2014-05-09

[11] **2,858,359**
[13] C
[51] **Int.Cl. A61K 39/385 (2006.01) A61P 37/04 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **HAPTENS, HAPTEN CONJUGATES, COMPOSITIONS THEREOF AND METHOD FOR THEIR PREPARATION AND USE**
[54] **HAPTENES, CONJUGUES DE HAPTENE, COMPOSITIONS DE HAPTENE, PROCEDE DE FABRICATION ET UTILISATION**
[72] KOSMEDER, JERRY W., US
[72] LEFEVER, MARK, US
[72] JOHNSON, DONALD, US
[72] FARRELL, MICHAEL, US
[72] ZHILINA, ZHANNA, US
[72] BIENIARZ, CHRISTOPHER, US
[73] VENTANA MEDICAL SYSTEMS, INC., US
[86] (2858359)
[87] (2858359)
[22] 2007-11-01
[62] 2,666,234
[30] US (60/856133) 2006-11-01

[11] **2,859,120**
[13] C
[51] **Int.Cl. A61B 3/10 (2006.01) A61B 3/00 (2006.01) A61B 3/14 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **AN INTEGRATED DEVICE FOR OPHTHALMOLOGY**
[54] **DISPOSITIF INTEGRE POUR L'OPHTALMOLOGIE**
[72] DONITZKY, CHRISTOF, DE
[72] WUELLNER, CHRISTIAN, DE
[73] WAVELIGHT GMBH, DE
[85] 2014-06-12
[86] 2011-12-30 (PCT/EP2011/006614)
[87] (WO2013/097885)

[11] **2,859,140**
[13] C
[51] **Int.Cl. A61F 13/42 (2006.01) G08B 21/04 (2006.01) H04M 11/04 (2006.01)**
[25] EN
[54] **METHOD, MONITORING SYSTEM AND COMPUTER PROGRAM FOR MONITORING USE OF AN ABSORBENT PRODUCT**
[54] **PROCEDE, SYSTEME DE SURVEILLANCE ET PROGRAMME INFORMATIQUE POUR SURVEILLER L'UTILISATION D'UN PRODUIT ABSORBANT**
[72] CARNEY, JOSHUA, SE
[73] SCA HYGIENE PRODUCTS AB, SE
[85] 2014-06-12
[86] 2011-12-21 (PCT/SE2011/051558)
[87] (WO2013/095226)

---

[11] **2,859,843**
[13] C
[51] **Int.Cl. G16H 40/20 (2018.01) G16H 10/40 (2018.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND MEDIA FOR LABORATORY TESTING SERVICES**
[54] **SYSTEMES, PROCEDES ET MILIEUX POUR SERVICES D'ESSAI DE LABORATOIRE**
[72] FONSECA, LIDIA L., US
[72] LEISTER, BILL, US
[72] VENKATRAMAN, SURESH, US
[72] FAISST, MICHAEL, US
[72] HARTER, GEORGE, US
[72] CURRY, KELLY, US
[72] CONLIN, PAUL, US
[72] VERRENGIA, ROBERTO, US
[72] ENGEL, LOUIS, US
[72] EASTMAN, ANDREA, US
[72] JAIN, PIYUSH, US
[73] LABORATORY CORPORATION OF AMERICA HOLDINGS, US
[85] 2014-06-18
[86] 2012-12-21 (PCT/US2012/071197)
[87] (WO2013/096745)
[30] US (61/578,529) 2011-12-21
[30] US (61/584,936) 2012-01-10

---

[11] **2,861,157**
[13] C
[51] **Int.Cl. F21S 4/20 (2016.01) F21K 9/00 (2016.01) F21S 4/26 (2016.01) F21V 8/00 (2006.01) F21V 13/00 (2006.01)**
[25] EN
[54] **DIFFUSED FLEXIBLE LED LINEAR LIGHT ASSEMBLY**
[54] **ENSEMBLE D'ECLAIRAGE LINEAIRE DIFFUS A DEL FLEXIBLE**
[72] CAMAROTA, MICHAEL V., US
[73] ITC INCORPORATED, US
[86] (2861157)
[87] (2861157)
[22] 2014-08-29
[30] US (61/872,139) 2013-08-30

---

[11] **2,862,223**
[13] C
[51] **Int.Cl. F16B 13/06 (2006.01)**
[25] EN
[54] **RADIALLY EXPANDING BOLT ASSEMBLY**
[54] **ENSEMBLE BOULON A EXPANSION RADIALE**
[72] DOLAN, MICHAEL F., US
[72] OEHMS, ULRICH, DE
[73] JETYD CORP., US
[86] (2862223)
[87] (2862223)
[22] 2009-06-24
[62] 2,728,770
[30] US (61/075,791) 2008-06-26
[30] US (12/425,518) 2009-04-17

---

[11] **2,863,250**
[13] C
[51] **Int.Cl. B65G 43/08 (2006.01) A01D 90/10 (2006.01) B65G 67/24 (2006.01)**
[25] EN
[54] **POSITION ADJUSTMENT ASSEMBLY ON AN AGRICULTURAL CONVEYOR**
[54] **MECANISME D'AJUSTEMENT DE POSITION SUR UN CONVOYEUR AGRICOLE**
[72] RYDER, NICHOLAS G. A., CA
[72] KOWALCHUK, TREVOR L., CA
[72] BENT, ETHAN C. S., CA
[73] CNH INDUSTRIAL CANADA, LTD., CA
[85] 2014-07-09
[86] 2013-01-15 (PCT/IB2013/000049)
[87] (WO2013/108110)
[30] US (61/586,921) 2012-01-16
[30] US (13/740,578) 2013-01-14

---

[11] **2,864,557**
[13] C
[51] **Int.Cl. B25B 23/00 (2006.01) B25B 29/00 (2006.01) B25H 1/00 (2006.01)**
[25] EN
[54] **TOOL REPAIR PACKAGE AND REPLACEMENT SYSTEM**
[54] **ENSEMBLE DE REPARATION D'OUTILS ET SYSTEME DE REMPLACEMENT**
[72] GRINWALD, BRENT J., US
[72] BENO, FRANK J., US
[73] SNAP-ON INCORPORATED, US
[86] (2864557)
[87] (2864557)
[22] 2014-09-23
[30] US (61/889,602) 2013-10-11
[30] US (14/488,928) 2014-09-17

---

[11] **2,864,622**
[13] C
[51] **Int.Cl. E04H 12/22 (2006.01)**
[25] EN
[54] **POLE MOUNTING SYSTEM**
[54] **SYSTEME DE FIXATION DE POTEAU**
[72] WALKER, DAVID ERIC, CA
[73] GLP DUNDAS INC., CA
[86] (2864622)
[87] (2864622)
[22] 2014-09-25
[30] US (14/039986) 2013-09-27

---

[11] **2,865,361**
[13] C
[51] **Int.Cl. B01F 7/02 (2006.01) B01F 15/00 (2006.01) B65D 90/00 (2006.01) C12M 1/02 (2006.01) C02F 11/04 (2006.01)**
[25] EN
[54] **MIXING DEVICE FOR A CONTAINER, CONTAINER AND METHOD FOR INSTALLING THE MIXING DEVICE IN THE CONTAINER**
[54] **DISPOSITIF DE MELANGE POUR UN CONTENANT, CONTENANT ET PROCEDE POUR INSTALLER LE DISPOSITIF DE MELANGE DANS LE CONTENANT**
[72] PETERS, JEAN-MARC, BE
[73] PETERS, JEAN-MARC, BE
[86] (2865361)
[87] (2865361)
[22] 2014-09-30
[30] DE (10 2013 219 938.4) 2013-10-01

[11] **2,865,592**
[13] C
[51] **Int.Cl. B64C 19/00 (2006.01) B64C 37/02 (2006.01) B64C 39/02 (2006.01) G05D 1/10 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS TO COOPERATIVELY LIFT A PAYLOAD**
[54] **PROCEDES ET APPAREIL PERMETTANT DE SOULEVER UNE CHARGE EN COOPERATION**
[72] JONES, RICHARD DONOVAN, US
[72] DUFFY, MICHAEL, US
[73] THE BOEING COMPANY, US
[86] (2865592)
[87] (2865592)
[22] 2014-10-01
[30] US (14/101138) 2013-12-09

---

[11] **2,866,087**
[13] C
[51] **Int.Cl. G01N 33/543 (2006.01)**
[25] EN
[54] **METHOD FOR PERFORMING IMMUNOASSAYS UNDER WEIGHTLESSNESS**
[54] **PROCEDE D'EXECUTION D'ESSAIS IMMUNOLOGIQUES EN APESANTEUR**
[72] KERN, PETER, DE
[72] BACKES, HERBERT, DE
[73] AIRBUS DS GMBH, DE
[85] 2014-09-02
[86] 2013-02-15 (PCT/EP2013/053072)
[87] (WO2013/131733)
[30] EP (12001451.9) 2012-03-03

---

[11] **2,866,202**
[13] C
[51] **Int.Cl. H03M 7/00 (2006.01)**
[25] EN
[54] **SIGNAL CODING AND DECODING METHODS AND DEVICES**
[54] **PROCEDE ET DISPOSITIF DE CODAGE ET DE DECODAGE DE SIGNAUX**
[72] LIU, ZEXIN, CN
[72] MIAO, LEI, CN
[72] QI, FENGYAN, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2014-09-03
[86] 2012-05-23 (PCT/CN2012/075924)
[87] (WO2013/143221)
[30] CN (201210087702.9) 2012-03-29

---

[11] **2,868,183**
[13] C
[51] **Int.Cl. G06K 7/10 (2006.01) G06K 19/07 (2006.01) H04B 1/59 (2006.01) H04N 5/335 (2011.01) B01L 3/00 (2006.01)**
[25] EN
[54] **ORIENTATION IDENTIFICATION LABEL, REAGENT CONTAINER CARRIER STRUCTURE, ANALYSER DEVICE AND READER MODULE**
[54] **ETIQUETTE D'IDENTIFICATION D'ORIENTATION, STRUCTURE DE RECIPIENT DE REACTIF, DISPOSITIF D'ANALYSE ET MODULE DE LECTURE**
[72] SATTLER, STEPHAN, DE
[72] MINEMURA, YUSUKE, JP
[72] YAMAGUCHI, TAKUYA, JP
[73] F. HOFFMANN-LA ROCHE AG, CH
[73] HITACHI HIGH-TECHNOLOGIES CORPORATION, JP
[86] (2868183)
[87] (2868183)
[22] 2008-07-25
[62] 2,693,107
[30] EP (07 014 787.1) 2007-07-27

---

[11] **2,869,732**
[13] C
[51] **Int.Cl. G01N 33/569 (2006.01) C12M 1/00 (2006.01) C12M 1/26 (2006.01) C12M 1/28 (2006.01) C12M 1/34 (2006.01) G01N 35/10 (2006.01)**
[25] EN
[54] **METHODS, SYSTEMS, AND DEVICES FOR DETECTING AND IDENTIFYING MICROORGANISMS IN MICROBIOLOGICAL CULTURE SAMPLES**
[54] **PROCEDES, SYSTEMES, ET DISPOSITIFS POUR DETECTER ET IDENTIFIER DES MICRO-ORGANISMES DANS DES ECHANTILLONS DE CULTURE MICROBIOLOGIQUES**
[72] WEIDEMAIER, KRISTIN, US
[72] CAMPBELL, ROBERT L., US
[72] CARRUTHERS, ERIN GOOCH, US
[72] CURRY, ADAM C., US
[72] DOLAN, KEVIN G., US
[72] LIEBMANN-VINSON, ANDREA, US
[72] WOODLEY, WENDY DALE, US
[72] KURODA, MELODY M.H., US
[72] LENTZ, AMMON DAVID, US
[72] LIVINGSTON, DWIGHT, US
[72] LIZZI, MICHAEL JUSTIN, US
[72] LOCKHART, ARTIS R., US
[72] RITCHEY, ERNIE, US
[72] FALLOWS, ERIC A., US
[72] GORELICK, DONALD E., US
[72] KESSLER, JACK, US
[72] LOVETTE, SPENCER, US
[72] OJALA, JEFFREY S., US
[72] TALMER, MARK A., US
[72] BARTKOWIAK, MIROSLAW, US
[72] DANHOF, SCOTT N., US
[72] KRAMER, GREGORY S., US
[72] HAUBERT, THOMAS D., US
[72] MARSHALL, MICHAEL L., US
[72] PRESCOTT, JAMES A., US
[72] SOMERVILLE, RANDY J., US
[72] ULRICH, M. SCOTT, US
[72] SEBRA, DAVID S., US
[73] BECTON DICKINSON AND COMPANY, US
[85] 2014-10-06
[86] 2013-03-15 (PCT/US2013/032499)
[87] (WO2013/165615)
[30] US (61/623,522) 2012-04-12
[30] US (61/732,650) 2012-12-03

[11] **2,870,791**
[13] C
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **HEART VALVE PROSTHESIS AND A METHOD FOR MANUFACTURING THE HEART VALVE PROSTHESIS**
[54] **PROTHESE DE VALVE CARDIAQUE ET METHODE DE FABRICATION DE LA PROTHESE DE VALVE CARDIAQUE**
[72] SCORSIN, MARCIO, BR
[72] PASQUINO, ENRICO, IT
[73] EPYGON, FR
[85] 2014-10-17
[86] 2013-04-26 (PCT/EP2013/058708)
[87] (WO2013/160439)
[30] IT (TO2012A000372) 2012-04-27

---

[11] **2,871,636**
[13] C
[51] **Int.Cl. A61F 2/40 (2006.01) A61B 17/86 (2006.01) A61F 2/30 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **GLENOID IMPLANT**
[54] **IMPLANT GLENOIDIEN**
[72] PHIPPS, JAMES P., US
[73] ZIMMER, INC., US
[85] 2014-10-21
[86] 2013-04-18 (PCT/US2013/037167)
[87] (WO2013/162999)
[30] US (61/637,089) 2012-04-23
[30] US (61/704,120) 2012-09-21

---

[11] **2,871,771**
[13] C
[51] **Int.Cl. C07C 273/04 (2006.01)**
[25] EN
[54] **UREA PRODUCTION PLANT**
[54] **USINE DE PRODUCTION D'UREE**
[72] MENNEN, JOHANNES HENRICUS, NL
[72] MEESSEN, JOZEF HUBERT, NL
[73] STAMICARBON B.V., NL
[85] 2014-10-27
[86] 2013-05-02 (PCT/NL2013/050328)
[87] (WO2013/165245)
[30] EP (12166575.6) 2012-05-03

---

[11] **2,871,987**
[13] C
[51] **Int.Cl. B01D 53/50 (2006.01) B01D 53/96 (2006.01)**
[25] EN
[54] **REGENERATIVE RECOVERY OF CONTAMINANTS FROM EFFLUENT GASES**
[54] **RECUPERATION REGENERATIVE DE CONTAMINANTS A PARTIR DE GAZ D'EFFLUENT**
[72] VERA-CASTANEDA, ERNESTO, US
[73] MECS, INC., US
[85] 2014-10-29
[86] 2013-05-02 (PCT/US2013/039293)
[87] (WO2013/166301)
[30] US (61/641,833) 2012-05-02

---

[11] **2,872,028**
[13] C
[51] **Int.Cl. B64C 39/02 (2006.01) B64C 27/22 (2006.01) B64C 29/00 (2006.01) B64C 39/10 (2006.01) H02G 1/02 (2006.01)**
[25] EN
[54] **UNMANNED AERIAL VEHICLE**
[54] **VEHICULE AERIEN SANS PILOTE**
[72] CRIADO, ALFREDO, ES
[72] KAWIECKI, GRZEGORZ M., ES
[72] VALERO, OMAR, ES
[73] THE BOEING COMPANY, US
[86] (2872028)
[87] (2872028)
[22] 2014-11-21
[30] EP (EP 14382029.8) 2014-01-30

---

[11] **2,873,190**
[13] C
[51] **Int.Cl. B21D 5/04 (2006.01)**
[25] EN
[54] **AUTOMATED CUT AND ROLL MACHINE BRAKE ASSEMBLY**
[54] **ENSEMBLE DE FREINS POUR MACHINE DE COUPE ET DE ROULEMENT AUTOMATISEE**
[72] MCISAAC, FRANK, CA
[73] IDEAL PRODUCTS OF CANADA, CA
[86] (2873190)
[87] (2873190)
[22] 2014-12-02
[30] US (61/911,030) 2013-12-03

---

[11] **2,873,787**
[13] C
[51] **Int.Cl. E21B 43/24 (2006.01) E21B 43/30 (2006.01)**
[25] EN
[54] **METHOD TO MAINTAIN RESERVOIR PRESSURE DURING HYDROCARBON RECOVERY OPERATIONS USING ELECTRICAL HEATING MEANS WITH OR WITHOUT INJECTION OF NON-CONDENSABLE GASES**
[54] **PROCEDE POUR MAINTENIR LA PRESSION DU RESERVOIR DURANT LES OPERATIONS DE RECUPERATION DES HYDROCARBURES EN UTILISANT DES MOYENS DE CHAUFFAGE ELECTRIQUE AVEC OU SANS INJECTION DE GAZ NON CONDENSABLES**
[72] FREDERICK, LAWRENCE J., CA
[72] WOLLEN, WILLIAM CODY, CA
[73] HUSKY OIL OPERATIONS LIMITED, CA
[86] (2873787)
[87] (2873787)
[22] 2014-12-09
[30] US (61/915,452) 2013-12-12

---

[11] **2,875,178**
[13] C
[51] **Int.Cl. H01S 5/024 (2006.01)**
[25] EN
[54] **LASER LIGHT SOURCE DEVICE AND PROJECTOR DEVICE**
[54] **DISPOSITIF DE SOURCE DE LUMIERE LASER ET DISPOSITIF DE PROTECTION**
[72] HIROSE, TATSURO, JP
[73] MITSUBISHI ELECTRIC CORPORATION, JP
[86] (2875178)
[87] (2875178)
[22] 2014-12-15
[30] JP (2014-021821) 2014-02-07

[11] **2,876,981**
[13] C
[51] **Int.Cl. B01J 32/00 (2006.01) B01J 37/00 (2006.01) C10G 45/04 (2006.01)**
[25] EN
[54] **IMPROVED RESID HYDROTREATING CATALYST CONTAINING TITANIA**
[54] **CATALYSEUR AMELIORE D'HYDROTRAITEMENT DE RESIDU CONTENANT DU DIOXYDE DE TITANE**
[72] HE, RONG, US
[72] PLECHA, STANISLAW, US
[72] KRISHNAMOORTHY, MEENAKSHI S., US
[72] PATEL, BHARAT M., US
[73] ADVANCED REFINING TECHNOLOGIES LLC, US
[85] 2014-12-16
[86] 2013-06-20 (PCT/US2013/046753)
[87] (WO2013/192394)
[30] US (61/662,003) 2012-06-20

---

[11] **2,877,588**
[13] C
[51] **Int.Cl. F42D 1/055 (2006.01)**
[25] EN
[54] **DETONATOR ROLL CALL**
[54] **APPEL NOMINAL DE DETONATEURS**
[72] SCHLENTER, CRAIG CHARLES, ZA
[73] DETNET SOUTH AFRICA (PTY) LTD, ZA
[85] 2014-12-19
[86] 2013-07-01 (PCT/ZA2013/000046)
[87] (WO2014/008516)
[30] ZA (2012/04904) 2012-07-02

---

[11] **2,878,161**
[13] C
[51] **Int.Cl. G06Q 50/06 (2012.01)**
[25] EN
[54] **INVOICE ISSUING SYSTEM AND INVOICE ISSUING METHOD**
[54] **SYSTEME D'EMISSION DE FACTURES ET PROCEDE D'EMISSION DE FACTURES**
[72] WADA, SHINJI, JP
[72] DEKAMO, SHINGO, JP
[73] NIPPON GAS CO., LTD., JP
[85] 2014-12-30
[86] 2013-07-02 (PCT/JP2013/004111)
[87] (WO2014/006888)
[30] JP (2012-150732) 2012-07-04

---

[11] **2,878,780**
[13] C
[51] **Int.Cl. A61K 6/083 (2006.01)**
[25] EN
[54] **DENTAL COMPOSITION COMPRISING A HYDROLYSIS STABLE POLYFUNCTIONAL POLYMERIZABLE MONOMER**
[54] **COMPOSITION DENTAIRE RENFERMANT UN MONOMERE POLYMERISABLE POLYFONCTIONNEL STABLE A L'HYDROLYSE**
[72] KLEE, JOACHIM E., DE
[72] GANSEL, JULIA, DE
[72] FIK, CHRISTOPH P., DE
[72] WAGNER, CAROLINE, DE
[72] ELSNER, OLIVER, DE
[72] MAIER, MAXIMILIAN, DE
[72] LAMPE, ULRICH, DE
[72] RITTER, HELMUT, DE
[72] KAVALLAR, LISA-MARIA, DE
[73] DENTSPLY DETREY GMBH, DE
[85] 2015-01-09
[86] 2013-09-11 (PCT/EP2013/002731)
[87] (WO2014/040729)
[30] EP (12006385.4) 2012-09-11

---

[11] **2,879,227**
[13] C
[51] **Int.Cl. C08K 5/3445 (2006.01) B60C 1/00 (2006.01) C08K 3/04 (2006.01) C08L 15/02 (2006.01) C08L 23/22 (2006.01)**
[25] EN
[54] **ELASTOMERIC MATERIALS AND USE THEREOF**
[54] **MATERIAUX ELASTOMERES ET LEUR UTILISATION**
[72] KAVIMANI NAGAR, PRABHU, DE
[72] JURK, RENE, DE
[72] STOCKELHUBER, KLAUS WERNER, DE
[72] DAS, AMIT, DE
[72] LEUTERITZ, ANDREAS, DE
[72] HEINRICH, GERT, DE
[72] ADHIKARI, BASUDAM, IN
[73] LEIBNIZ-INSTITUT FUR POLYMERFORSCHUNG DRESDEN E.V., DE
[85] 2015-01-15
[86] 2013-07-09 (PCT/EP2013/064465)
[87] (WO2014/012819)
[30] DE (10 2012 212 422.5) 2012-07-16

---

[11] **2,879,244**
[13] C
[51] **Int.Cl. F01D 5/02 (2006.01) F01D 5/06 (2006.01) F01D 5/10 (2006.01) F02C 7/24 (2006.01) F02C 7/36 (2006.01)**
[25] EN
[54] **LOW NOISE COMPRESSOR ROTOR FOR GEARED TURBOFAN ENGINE**
[54] **ROTOR DE COMPRESSEUR A FAIBLE BRUIT POUR TURBOREACTEUR A REDUCTEUR DE VITESSE POUR L'ENTRAINEMENT DE LA SOUFFLANTE**
[72] TOPOL, DAVID A., US
[72] MORIN, BRUCE L., US
[73] UNITED TECHNOLOGIES CORPORATION, US
[86] (2879244)
[87] (2879244)
[22] 2015-01-20
[30] US (14/159,760) 2014-01-21

---

[11] **2,879,251**
[13] C
[51] **Int.Cl. E21B 33/12 (2006.01)**
[25] EN
[54] **LINER HANGER TOP PACKER HAVING LOCKING BALL SOCKET**
[54] **GARNITURE SUPERIEURE DE SUPPORT DE TIGES A ROTULE SPHERIQUE VERROUILLABLE**
[72] YI, HUIAN, CN
[72] TIAN, BINGZHOU, CN
[72] CHEN, SHANYIN, CN
[72] DING, BAISONG, CN
[72] ZAN, ZHIEN, CN
[72] LI, BOREN, CN
[72] LIU, MIAOREN, CN
[72] YE, FANGJU, CN
[72] YI, QIZUN, CN
[72] CHEN, GUANGLI, CN
[73] STARSE ENERGY AND TECHNOLOGY (GROUP) CO., LTD., CN
[73] YI, HUIAN, CN
[85] 2015-01-20
[86] 2012-07-23 (PCT/CN2012/079051)
[87] (WO2014/015469)

[11] **2,879,621**
[13] C
[51] **Int.Cl. A45D 44/00 (2006.01) A45D 44/22 (2006.01)**
[25] EN
[54] **LIP ENHANCEMENT AND ENLARGEMENT DEVICE**
[54] **DISPOSITIF D'AMELIORATION ET D'ELARGISSEMENT DE LEVRE**
[72] HO, THIENNA, US
[73] HO, THIENNA, US
[85] 2015-01-20
[86] 2012-08-16 (PCT/US2012/051092)
[87] (WO2013/025879)
[30] US (61/524,157) 2011-08-16
[30] US (13/586,758) 2012-08-15

[11] **2,880,597**
[13] C
[51] **Int.Cl. G08B 25/10 (2006.01) H04N 21/80 (2011.01) G10L 17/24 (2013.01) G10L 17/26 (2013.01) G08C 17/02 (2006.01) G10L 15/20 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF ALERTING CENTRAL MONITORING STATION AND REGISTERED USERS ABOUT A POTENTIAL DURESS SITUATION USING A MOBILE APPLICATION**
[54] **SYSTEME ET METHODE D'ALERTE DE POSTE DE SURVEILLANCE CENTRALISEE ET D'UTILISATEURS ENREGISTRES A PROPOS D'UNE SITUATION DE POSSIBLE CONTRAINTE A L'AIDE D'UNE APPLICATION MOBILE**
[72] JANARDHANAN, SHAIJU, US
[72] PV, HEMANTH, US
[72] ASWATH, RAVIKUMAR VEMAGAL, US
[72] MEGANATHAN, DEEPAK SUNDAR, US
[72] HEGDE, VINAY, US
[73] HONEYWELL INTERNATIONAL INC., US
[86] (2880597)
[87] (2880597)
[22] 2015-01-27
[30] US (14/173,048) 2014-02-05

[11] **2,881,534**
[13] C
[51] **Int.Cl. A61M 16/06 (2006.01) A61M 16/04 (2006.01)**
[25] EN
[54] **BRIDLE DEVICE AND METHOD**
[54] **DISPOSITIF DE BRIDE ET PROCEDE**
[72] SLAGA, ALLISON, US
[72] THOMPSON, MATTHEW, US
[73] APPLIED MEDICAL TECHNOLOGY, INC., US
[85] 2015-02-09
[86] 2013-08-12 (PCT/US2013/054567)
[87] (WO2014/026195)
[30] US (61/682,115) 2012-08-10
[30] US (61/682,112) 2012-08-10

[11] **2,881,741**
[13] C
[51] **Int.Cl. F04B 19/00 (2006.01) F04B 37/10 (2006.01)**
[25] EN
[54] **ELECTROOSMOTIC PUMP WITH IMPROVED GAS MANAGEMENT**
[54] **POMPE ELECTROOSMOTIQUE AVEC GESTION DE GAZ AMELIOREE**
[72] POSNER, JONATHAN, US
[72] SALLOUM, KAMIL, US
[72] LEBL, MICHAL, US
[72] REED, MARK, US
[72] BUERMANN, DALE, US
[72] HAGE, MATTHEW, US
[72] CRANE, BRYAN, US
[72] HEINER, DAVID, US
[72] KAIN, ROBERT, US
[73] ILLUMINA, INC, US
[73] THE ARIZONA BOARD OF REGENTS FOR AND ON BEHALF OF ARIZONA STATE UNIVERSITY, US
[86] (2881741)
[87] (2881741)
[22] 2009-11-25
[62] 2,740,222
[30] US (61/118,073) 2008-11-26

[11] **2,884,016**
[13] C
[51] **Int.Cl. H04W 4/18 (2009.01) H04W 84/18 (2009.01) H04W 92/18 (2009.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SHARING FUNCTION OF EXTERNAL DEVICE THROUGH COMPLEX NETWORK**
[54] **PROCEDE ET APPAREIL DESTINES A PARTAGER UNE FONCTION D'UN DISPOSITIF EXTERNE PAR L'INTERMEDIAIRE D'UN RESEAU COMPLEXE**
[72] YU, SEUNG-DONG, KR
[72] CHANG, WOO-YONG, KR
[72] PARK, SE-JUN, KR
[72] MOON, MIN-JEONG, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[86] (2884016)
[87] (2884016)
[22] 2010-08-20
[62] 2,769,179
[30] KR (10-2009-0077874) 2009-08-21

[11] **2,884,436**
[13] C
[51] **Int.Cl. F23N 5/10 (2006.01) A47J 37/07 (2006.01) F23N 1/00 (2006.01) F24C 3/12 (2006.01) F24C 15/18 (2006.01) G05D 23/22 (2006.01)**
[25] EN
[54] **TEMPERATURE CONTROL APPARATUS FOR A BARBEQUE GRILL**
[54] **APPAREIL DE REGULATION DE TEMPERATURE POUR UN BARBECUE**
[72] BARKHOUSE, SYDNEY, CA
[72] MCKENZIE, STUART T., CA
[73] WOLFEDALE ENGINEERING LIMITED, CA
[73] FIESTA GAS GRILLS LLC, US
[86] (2884436)
[87] (2884436)
[22] 2007-11-16
[62] 2,705,861
[30] GC (PCT/CA2007/002085) 2007-11-16

[11] **2,884,779**
[13] C
[51] **Int.Cl. H05B 3/84 (2006.01) H01R 12/53 (2011.01) H01R 12/57 (2011.01) H01R 4/62 (2006.01)**
[25] EN
[54] **PANE WITH AN ELECTRICAL CONNECTION ELEMENT**
[54] **VITRE DOTEE D'UN ELEMENT DE RACCORDEMENT ELECTRIQUE**
[72] SCHMALBUCH, KLAUS, DE
[72] REUL, BERNHARD, DE
[72] RATEICZAK, MITJA, DE
[72] LESMEISTER, LOTHAR, NL
[73] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2015-03-11
[86] 2013-07-10 (PCT/EP2013/064576)
[87] (WO2014/040774)
[30] EP (12184407.0) 2012-09-14

[11] **2,884,900**
[13] C
[51] **Int.Cl. C09D 11/52 (2014.01)**
[25] EN
[54] **INK COMPOSITION AND METHOD OF DETERMINING A DEGREE OF CURING OF THE INK COMPOSITION**
[54] **COMPOSITION D'ENCRE ET METHODE DE DETERMINATION D'UN DEGRE DE DURCISSEMENT DE LA COMPOSITION D'ENCRE**
[72] CHOPRA, NAVEEN, CA
[72] WU, YILIANG, CA
[72] GARDNER, SANDRA J., CA
[72] IFTIME, GABRIEL, US
[73] XEROX CORPORATION, US
[86] (2884900)
[87] (2884900)
[22] 2015-03-10
[30] US (14/216366) 2014-03-17

[11] **2,885,807**
[13] C
[51] **Int.Cl. H04N 19/34 (2014.01) H04N 19/184 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **SUB-BITSTREAM APPLICABILITY TO NESTED SEI MESSAGES IN VIDEO CODING**
[54] **APPLICABILITE D'UN SOUS-FLUX DE DONNEES SUR DES MESSAGES SEI IMBRIQUES DANS LE CODAGE VIDEO**
[72] WANG, YE-KUI, US
[73] QUALCOMM INCORPORATED, US
[85] 2015-03-23
[86] 2013-09-20 (PCT/US2013/060940)
[87] (WO2014/058600)
[30] US (61/711,098) 2012-10-08
[30] US (13/954,758) 2013-07-30

[11] **2,886,815**
[13] C
[51] **Int.Cl. A61L 31/16 (2006.01) A61K 9/00 (2006.01) A61K 35/30 (2015.01) A61K 38/47 (2006.01) A61L 27/38 (2006.01) A61L 31/00 (2006.01) C12N 9/24 (2006.01)**
[25] EN
[54] **MATERIALS AND METHODS FOR NERVE GRAFTING COMPRISING DEGRADING CHONDROITIN SULFATE PROTEOGLYCAN**
[54] **MATERIAUX ET PROCEDES DE GREFFES NERVEUSES COMPRENANT LA DEGRADATION DE LA PROTEOGLYCANE DE CHONDROITINE SULFATE**
[72] MUIR, DAVID FULTON, US
[73] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US
[86] (2886815)
[87] (2886815)
[22] 2002-08-13
[62] 2,455,827
[30] US (60/311,870) 2001-08-13

[11] **2,887,030**
[13] C
[51] **Int.Cl. C08G 18/18 (2006.01) C08G 18/09 (2006.01) C08G 18/22 (2006.01) C08G 18/40 (2006.01) C08G 18/50 (2006.01) C08G 18/54 (2006.01) C08J 9/12 (2006.01) C08J 9/14 (2006.01)**
[25] EN
[54] **AMINE CATALYST FOR IMPROVING THE STABILITY OF POLYURETHANE SYSTEMS HAVING HALOGEN CONTAINING BLOWING AGENTS**
[54] **CATALYSEUR D'AMINE POUR AMELIORER LA STABILITE DE SYSTEMES POLYURETHANES CONTENANT DES AGENTS GONFLANTS HALOGENES**
[72] BURDENIUC, JUAN JESUS, US
[72] VINCENT, JEAN LOUISE, US
[72] MILLER, TIMOTHY J., US
[73] EVONIK DEGUSSA GMBH, DE
[85] 2015-04-01
[86] 2013-10-24 (PCT/US2013/066541)
[87] (WO2014/066596)
[30] US (61/717,690) 2012-10-24
[30] US (13/951,958) 2013-07-26

[11] **2,887,740**
[13] C
[51] **Int.Cl. E21B 43/117 (2006.01)**
[25] EN
[54] **APPARATUS FOR CREATING AND CUSTOMIZING INTERSECTING JETS WITH OILFIELD SHAPED CHARGES**
[54] **APPAREIL SERVANT A CREER ET PERSONNALISER LE CROISEMENT DE JETS ET DE CHARGES EN FORME DE CHAMP PETROLIER**
[72] GEORGE, KEVIN R., US
[72] ROLLINS, JAMES A., US
[72] CLARK, NATHAN, US
[73] GEODYNAMICS, INC., US
[86] (2887740)
[87] (2887740)
[22] 2015-04-09

[11] **2,887,926**
[13] C
[51] **Int.Cl. B62B 3/02 (2006.01)**
[25] EN
[54] **SECURITY CART**
[54] **CHARIOT SECURITAIRE**
[72] JACKSON, KEITH EDWARD, US
[72] LARIE, PAUL, US
[73] CANNON EQUIPMENT LLC, US
[86] (2887926)
[87] (2887926)
[22] 2015-04-13
[30] US (62/052,590) 2014-09-19
[30] US (14/622,352) 2015-02-13

[11] **2,888,863**
[13] C
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 9/06 (2006.01) A61K 9/08 (2006.01) A61K 47/30 (2006.01)**
[25] EN
[54] **SUSTAINED-RELEASE LIPID PRE-CONCENTRATE OF GNRH ANALOGUES AND PHARMACEUTICAL COMPOSITION COMPRISING THE SAME**
[54] **PRECONCENTRE LIPIDIQUE D'ANALOGUES DE GNRH A LIBERATION PROLONGEE ET COMPOSITION PHARMACEUTIQUE LE COMPRENANT**
[72] YOON, SANG PHIL, KR
[72] KO, KI SEONG, KR
[72] YU, HA NA, KR
[72] BAIK, HYE JUNG, KR
[72] YANG, WON KYU, KR
[72] KO, JIN YOUNG, KR
[72] PARK, SO HYUN, KR
[72] JUNG, SUNG BUM, KR
[72] AN, SUNG WON, KR
[72] KI, MIN HYO, KR
[73] CHONG KUN DANG PHARMACEUTICAL CORP., KR
[85] 2015-04-20
[86] 2013-12-27 (PCT/KR2013/012269)
[87] (WO2014/104791)
[30] KR (10-2012-0157583) 2012-12-28

[11] **2,889,085**
[13] C
[51] **Int.Cl. B64C 1/06 (2006.01) B64C 1/40 (2006.01) B64D 13/00 (2006.01)**
[25] EN
[54] **AN AIRCRAFT WITH A FRAMEWORK STRUCTURE THAT COMPRISES AT LEAST ONE HOLLOW FRAME**
[54] **UN AERONEF DOTE D'UNE STRUCTURE FONCTIONNELLE COMPORTANT AU MOINS UN CADRE CREUX**
[72] MORES, SEBASTIAN, DE
[72] BARNERSSOI, JOHANN, DE
[72] PROBST, STEFAN, DE
[72] SCHNEEBERGER, MARCO, DE
[72] JUTT, HARTMUT, DE
[73] AIRBUS HELICOPTERS DEUTSCHLAND GMBH, DE
[86] (2889085)
[87] (2889085)
[22] 2015-04-20
[30] EP (14 400041.1) 2014-07-30

[11] **2,889,482**
[13] C
[51] **Int.Cl. B65D 3/06 (2006.01) B65D 3/22 (2006.01) B65D 3/28 (2006.01)**
[25] EN
[54] **CONICAL CONTAINER**
[54] **RECIPIENT CONIQUE**
[72] D'AMATO, GIANFRANCO, IT
[73] SEDA INTERNATIONAL PACKAGING GROUP SPA, IT
[85] 2015-04-23
[86] 2013-11-28 (PCT/EP2013/003596)
[87] (WO2014/082747)
[30] DE (20 2012 011 488.3) 2012-11-29

[11] **2,889,565**
[13] C
[51] **Int.Cl. E21B 17/10 (2006.01) E21B 19/24 (2006.01) E21D 20/00 (2006.01)**
[25] EN
[54] **ELASTOMERIC CENTRALIZER BASE FOR ROCK DRILLING SYSTEM**
[54] **BASE DE CENTRALISATEUR ELASTOMERIQUE DESTINEE A UN SYSTEME DE FORAGE DU ROC**
[72] NELSON, YVES, CA
[73] 1311854 ONTARIO LIMITED, CA
[86] (2889565)
[87] (2889565)
[22] 2015-04-28

[11] **2,889,774**
[13] C
[51] **Int.Cl. H04W 60/04 (2009.01) H04W 52/02 (2009.01) H04W 84/18 (2009.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MANAGING A BODY AREA NETWORK USING A COORDINATOR DEVICE**
[54] **PROCEDE ET SYSTEME DE GESTION D'UN RESEAU CORPOREL AU MOYEN D'UN DISPOSITIF DE COORDINATION**
[72] GOYAL, GIRIRAJ, IN
[72] BYNAM, KIRAN, IN
[72] ARUNAN, THENMOZHI, IN
[72] WON, EUN-TAE, IN
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[86] (2889774)
[87] (2889774)
[22] 2010-04-30
[62] 2,760,668
[30] IN (1014/CHE/2009) 2009-04-30
[30] IN (2605/CHE/2008) 2009-10-26

[11] **2,889,829**
[13] C
[51] **Int.Cl. B65G 53/04 (2006.01)**
[25] EN
[54] **PNEUMATIC CONVEYOR**
[54] **TRANSPORTEUR PNEUMATIQUE**
[72] MCILRATH, MICHAEL, CA
[72] DUBECK, BRENDA, CA
[73] COMPASS MINERALS MANITOBA INC., CA
[86] (2889829)
[87] (2889829)
[22] 2015-04-30
[30] US (61/986,634) 2014-04-30

[11] **2,891,033**
[13] C
[51] **Int.Cl. G01N 25/12 (2006.01)**
[25] EN
[54] **MEASUREMENT PROCESS OF MINIMUM MISCIBILITY PRESSURE (MMP) AND CRITICAL POINTS OF A GAS IN CRUDE OILS OR BINARY MIXTURES**
[54] **PROCEDE DE MESURE DE LA PRESSION DE MISCIBILITE MINIMUM ET DES POINTS CRITIQUES D'UN GAZ DANS LE PETROLE BRUT OU LES MELANGES BINAIRES**
[72] AQUINO OLIVOS, MARCO ANTONIO, MX
[72] AGUIRRE GUTIERREZ, ADRIANA DE JESUS, MX
[72] MENDOZA DE LA CRUZ, JOSE LUIS, MX
[72] ALVAREZ BADILLO, SERGIO, MX
[73] INSTITUTO MEXICANO DEL PETROLEO, MX
[86] (2891033)
[87] (2891033)
[22] 2015-05-12
[30] MX (MX/A/2014/005812) 2014-05-14

---

[11] **2,891,153**
[13] C
[51] **Int.Cl. C12N 5/10 (2006.01) A01N 25/32 (2006.01) A01N 57/20 (2006.01) A01P 13/00 (2006.01) C12N 5/04 (2006.01) C12N 15/09 (2006.01) C12N 15/54 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **BRASSICA GAT EVENT DP-073496-4 AND COMPOSITIONS AND METHODS FOR THE IDENTIFICATION AND/OR DETECTION THEREOF**
[54] **EVENEMENT DP-073496-4 DE BRASSICA GAT ET COMPOSITIONS ET PROCEDES POUR L'IDENTIFIER ET/OU LE DETECTER**
[72] CHARNE, DAVID GEORGE, CA
[72] CHEN, WENPIN, CA
[72] KOSCIELNY, CHADWICK BRUCE, CA
[72] PATEL, JAYANTILAL DEVABHAI, CA
[72] THOONEN, FERDINAND GERARD, CA
[72] TULSIERAM, LOMAS, CA
[72] ZHANG, YONGPING, CA
[72] LI, ZHONGSEN, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[73] E.I. DU PONT DE NEMOURS AND COMPANY, US
[86] (2891153)
[87] (2891153)
[22] 2010-11-24
[62] 2,810,180

---

[11] **2,892,213**
[13] C
[51] **Int.Cl. E21B 49/08 (2006.01) C09K 8/04 (2006.01) E21B 33/12 (2006.01) E21B 43/01 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **WELLBORE SERVICING FLUIDS AND METHODS OF MAKING AND USING SAME**
[54] **FLUIDES D'ENTRETIEN COURANT DE TROU DE FORAGE ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] DEEN, LARRY R., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-05-20
[86] 2013-11-05 (PCT/US2013/068553)
[87] (WO2014/092887)
[30] US (13/709,790) 2012-12-10

---

[11] **2,893,952**
[13] C
[51] **Int.Cl. C11D 3/20 (2006.01) C11D 11/00 (2006.01) C11D 17/00 (2006.01) C11D 17/04 (2006.01)**
[25] EN
[54] **IMPROVED STRUCTURING WITH SHORT NON-POLYMERIC, CRYSTALLINE, HYDROXYL-CONTAINING STRUCTURING AGENTS**
[54] **STRUCTURATION AMELIOREE COMPORTANT DES AGENTS STRUCTURANTS COURTS, NON POLYMERIQUES, CRISTALLINS ET CONTENANT UN HYDROXYLE**
[72] DEMEIRLEIR, NIELS, BE
[72] BROECKX, WALTER AUGUST MARIA, BE
[72] PELLENS, LINDA, BE
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2015-06-04
[86] 2013-12-10 (PCT/US2013/074045)
[87] (WO2014/093301)
[30] EP (12196743.4) 2012-12-12

---

[11] **2,894,518**
[13] C
[51] **Int.Cl. E21B 23/06 (2006.01) E21B 33/134 (2006.01)**
[25] EN
[54] **SHAPE-CHANGE PARTICLE PLUG SYSTEM**
[54] **SYSTEME DE BOUCHON PAR PARTICULES A CHANGEMENT DE FORME**
[72] GAUDETTE, SEAN L., US
[72] ADAM, MARK KENDALL, US
[72] JOHNSON, MICHAEL H., US
[73] BAKER HUGHES INCORPORATED, US
[85] 2015-06-09
[86] 2013-12-12 (PCT/US2013/074594)
[87] (WO2014/107278)
[30] US (61/749,461) 2013-01-07

[11] **2,894,636**
[13] C
[51] **Int.Cl. C07D 215/58 (2006.01) A61K 31/4365 (2006.01) A61K 31/437 (2006.01) A61K 31/4375 (2006.01) A61K 31/4704 (2006.01) A61K 31/4709 (2006.01) A61K 31/4985 (2006.01) A61K 31/519 (2006.01) C07D 215/60 (2006.01) C07D 401/04 (2006.01) C07D 401/12 (2006.01) C07D 413/04 (2006.01) C07D 417/12 (2006.01) C07D 471/04 (2006.01) C07D 491/04 (2006.01)**
[25] EN
[54] **QUINOLONE DERIVATIVES**
[54] **DERIVES DE QUINOLONE**
[72] DESAI, RANJIT C., IN
[72] PANDYA, VRAJESH, IN
[72] PATEL, PANKAJ R., IN
[73] CADILA HEALTHCARE LIMITED, IN
[85] 2015-06-10
[86] 2013-12-23 (PCT/IN2013/000796)
[87] (WO2014/102818)
[30] IN (3600/MUM/2012) 2012-12-24

[11] **2,895,002**
[13] C
[51] **Int.Cl. A47K 17/00 (2006.01) A47G 29/00 (2006.01) A47K 3/00 (2006.01)**
[25] EN
[54] **BATHING AREA ACCESSORIES**
[54] **ACCESSOIRES POUR ESPACE DE BAIN**
[72] COHEN, BEN, US
[72] KNOWLES, GRETA, US
[72] LILLY, ERIN, US
[72] LILLY, THOMAS, US
[72] MCDONALD, ALAN, US
[72] TEMPAS, JEFF, US
[72] ZIMBRIC, LUKE, US
[73] KOHLER CO., US
[86] (2895002)
[87] (2895002)
[22] 2015-06-19
[30] US (62/015,214) 2014-06-20

[11] **2,895,900**
[13] C
[51] **Int.Cl. C01B 32/956 (2017.01) C01B 32/15 (2017.01)**
[25] FR
[54] **METHOD FOR CONTROLLING THE PRODUCTION OF NANOPOWDER OF A GIVEN DIAMETER FROM AT LEAST ACETYLENE CONTAINED IN A PRESSURISED CYLINDER**
[54] **PROCEDE POUR LE CONTROLE DE LA PRODUCTION DE NANOPOUDRE DE DIAMETRE DONNE A PARTIR D'AU MOINS D'ACETYLENE CONTENU DANS UNE BOUTEILLE PRESSURISEE**
[72] MASKROT, HICHAM, FR
[72] GUIZARD, BENOIT, FR
[72] ATMAN, YOUSSEF, FR
[73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2015-06-19
[86] 2013-12-20 (PCT/EP2013/077723)
[87] (WO2014/096371)
[30] FR (1262720) 2012-12-21

[11] **2,895,959**
[13] C
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **RESOURCE SCHEDULING IN DIRECT DEVICE TO DEVICE COMMUNICATIONS SYSTEMS**
[54] **ORDONNANCEMENT DE RESSOURCES DANS DES SYSTEMES DE COMMUNICATION DIRECTE DE DISPOSITIF A DISPOSITIF**
[72] NOVAK, ROBERT, CA
[72] GAGE, WILLIAM ANTHONY, CA
[72] MUKHERJEE, BISWAROOP, CA
[73] BLACKBERRY LIMITED, CA
[85] 2015-06-19
[86] 2013-12-20 (PCT/CA2013/050998)
[87] (WO2014/094171)
[30] US (13/725,174) 2012-12-21

[11] **2,896,128**
[13] C
[51] **Int.Cl. G06F 12/02 (2006.01) G06F 12/16 (2006.01)**
[25] EN
[54] **METHOD, APPARATUS, AND CONTROLLER FOR MANAGING STORAGE ARRAY**
[54] **PROCEDE ET DISPOSITIF DE GESTION DE RESEAU DE STOCKAGE, ET CONTROLEUR**
[72] GONG, TAO, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2015-06-22
[86] 2013-06-29 (PCT/CN2013/078504)
[87] (WO2014/205841)

[11] **2,896,430**
[13] C
[51] **Int.Cl. F24F 11/72 (2018.01) H04W 16/20 (2009.01) F24F 11/54 (2018.01) F24F 11/56 (2018.01) H04W 4/33 (2018.01) F24D 19/10 (2006.01)**
[25] EN
[54] **WIRELESS BUILDING MANAGEMENT SYSTEM AND METHOD USING A BUILDING MODEL**
[54] **SYSTEME DE GESTION D'IMMEUBLE SANS FIL ET PROCEDE UTILISANT UN MODELE D'IMMEUBLE**
[72] ROSCA, JUSTINIAN, US
[72] AHMED, OSMAN, US
[72] SASTRY, CHELLURY R., US
[72] LEBLANC, RICHARD JOHN, US
[73] SIEMENS INDUSTRY, INC., US
[73] SIEMENS CORPORATION, US
[86] (2896430)
[87] (2896430)
[22] 2009-09-03
[62] 2,735,865
[30] US (61/093,816) 2008-09-03

[11] **2,898,876**
[13] C
[51] **Int.Cl. E21B 47/07 (2012.01) E21B 43/25 (2006.01) E21B 47/06 (2012.01)**
[25] EN
[54] **MODELING ACID DISTRIBUTION FOR ACID STIMULATION OF A FORMATION**
[54] **MODELISATION DE DISTRIBUTION D'ACIDE POUR LA STIMULATION ACIDE D'UNE FORMATION**
[72] WANG, XIAOWEI, US
[72] BUSSEAR, TERRY R., US
[73] BAKER HUGHES INCORPORATED, US
[85] 2015-07-21
[86] 2014-02-20 (PCT/US2014/017365)
[87] (WO2014/137610)
[30] US (61/773,582) 2013-03-06

---

[11] **2,899,186**
[13] C
[51] **Int.Cl. H04W 36/30 (2009.01) H04W 36/00 (2009.01)**
[25] EN
[54] **HANDOVER MECHANISM IN CELLULAR NETWORKS**
[54] **MECANISME DE TRANSFERT DANS DES RESEAUX CELLULAIRES**
[72] BONTU, CHANDRA SEKHAR, CA
[72] SONG, YI, US
[72] PERIYALWAR, SHALINI SURESH, CA
[72] CAI, ZHIJUN, US
[73] BLACKBERRY LIMITED, CA
[85] 2015-07-23
[86] 2013-01-28 (PCT/US2013/023386)
[87] (WO2014/116245)

---

[11] **2,899,229**
[13] C
[51] **Int.Cl. H05H 1/46 (2006.01) H01J 37/32 (2006.01)**
[25] FR
[54] **PLASMA SOURCE**
[54] **SOURCE DE PLASMA**
[72] DUMINICA, FLORIN DANIEL, BE
[72] LECLERCQ, VINCENT, BE
[72] SILBERBERG, ERIC, BE
[72] DANIEL, ALAIN, BE
[73] ARCELORMITTAL INVESTIGACION Y DESARROLLO SL, ES
[85] 2015-07-23
[86] 2013-02-06 (PCT/EP2013/052340)
[87] (WO2014/121831)

---

[11] **2,899,554**
[13] C
[51] **Int.Cl. A61F 2/46 (2006.01) A61B 17/56 (2006.01) A61L 24/06 (2006.01)**
[25] EN
[54] **DISPENSING DEVICE WITH ELASTICALLY DRIVEN MIXER**
[54] **DISPOSITIF DISTRIBUTEUR DOTE D'UN MELANGEUR ENTRAINE ELASTIQUEMENT**
[72] VOGT, SEBASTIAN, DE
[72] KLUGE, THOMAS, DE
[73] HERAEUS MEDICAL GMBH, DE
[86] (2899554)
[87] (2899554)
[22] 2015-08-05
[30] DE (10 2014 112 042.6) 2014-08-22

---

[11] **2,899,624**
[13] C
[51] **Int.Cl. B01F 5/00 (2006.01) B01F 3/02 (2006.01)**
[25] EN
[54] **LOW SHEAR GAS MIXER**
[54] **MELANGEUR A FAIBLE CISAILLEMENT POUR LES GAZ**
[72] ANDRESEN, HARVEY E., US
[72] CHRISTENSON, CHRISTOPHER P., US
[72] LIPP, CHARLES W., US
[72] MAYER, JOHN R., US
[72] KLING, THOMAS J., US
[72] FEY, VICTOR R., US
[72] BRITTON, LAURENCE G., US
[72] RANGITSCH, MICHAEL J., US
[72] HUTCHISON, MICHAEL L., US
[72] SCHAEFER, MATTHIAS, DE
[73] DOW TECHNOLOGY INVESTMENTS LLC, US
[86] (2899624)
[87] (2899624)
[22] 2008-11-12
[62] 2,701,306
[30] US (61/007,670) 2007-12-14

---

[11] **2,899,715**
[13] C
[51] **Int.Cl. E21B 47/06 (2012.01) E21B 47/07 (2012.01) E21B 47/107 (2012.01)**
[25] EN
[54] **PASSIVE ACOUSTIC RESONATOR FOR FIBER OPTIC CABLE TUBING**
[54] **RESONATEUR ACOUSTIQUE PASSIF POUR TUBAGE A CABLE A FIBRE OPTIQUE**
[72] LEE, ERIK N., US
[73] BAKER HUGHES INCORPORATED, US
[85] 2015-07-29
[86] 2014-01-29 (PCT/US2014/013568)
[87] (WO2014/143425)
[30] US (13/803,049) 2013-03-14

---

[11] **2,901,911**
[13] C
[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **AN INTERFACE AND RELATED METHOD FOR CONNECTING SENSOR EQUIPMENT AND A PHYSIOLOGICAL MONITOR**
[54] **INTERFACE ET PROCEDE ASSOCIE POUR CONNECTER UN EQUIPEMENT DE CAPTEUR ET UN DISPOSITIF DE SURVEILLANCE PHYSIOLOGIQUE**
[72] TULLBERG, MATTIAS, SE
[72] DAHLBERG, MATTIAS, SE
[73] ST. JUDE MEDICAL COORDINATION CENTER BVBA, BE
[85] 2015-08-19
[86] 2014-03-11 (PCT/IB2014/000979)
[87] (WO2014/140847)
[30] US (13/801,870) 2013-03-13

[11] **2,902,521**
[13] C
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/16 (2006.01)**
[25] EN
[54] **CONTEXT EMOTION DETERMINATION SYSTEM**
[54] **SYSTEME DE DETERMINATION D'EMOTION CONTEXTUEL**
[72] DAVIS, PAUL C., US
[72] ALI, MIR F., US
[72] LI, JIANGUO, US
[72] RUSSELL, DALE W., US
[72] YOU, DI, US
[73] ARRIS ENTERPRISES LLC, US
[85] 2015-08-25
[86] 2014-03-11 (PCT/US2014/022886)
[87] (WO2014/159297)
[30] US (13/798,367) 2013-03-13

[11] **2,903,815**
[13] C
[51] **Int.Cl. H01M 2/16 (2006.01) H01M 8/02 (2016.01)**
[25] EN
[54] **WATER-REPELLENT LAYER AND FUEL CELL**
[54] **COUCHE HYDROFUGE ET PILE A COMBUSTIBLE**
[72] NAKANISHI, JUNJI, JP
[72] YOSHIKAWA, HIROO, JP
[72] TSUBOSAKA, KENJI, JP
[72] SAITO, TAKEAKI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2903815)
[87] (2903815)
[22] 2015-09-10
[30] JP (2014-209770) 2014-10-14

[11] **2,903,855**
[13] C
[51] **Int.Cl. H04N 21/2747 (2011.01) H04N 21/231 (2011.01) H04N 21/2343 (2011.01) H04N 21/24 (2011.01) H04N 21/25 (2011.01) H04N 21/258 (2011.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OPTIMIZING STORAGE AND TRANSCODING COSTS IN NETWORK DVR**
[54] **SYSTEME ET PROCEDE D'OPTIMISATION DE COUTS DE STOCKAGE ET DE TRANSCODAGE DANS UN ENREGISTREUR VIDEO NUMERIQUE (DVR) RESEAU**
[72] BJORDAMMEN, DAVID M., US
[72] DUBREUIL, THOMAS L., US
[73] ARRIS ENTERPRISES LLC, US
[85] 2015-09-02
[86] 2014-03-13 (PCT/US2014/026883)
[87] (WO2014/152050)
[30] US (61/800,954) 2013-03-15
[30] US (13/857,499) 2013-04-05
[30] US (14/210,305) 2014-03-13

[11] **2,903,858**
[13] C
[51] **Int.Cl. H04L 29/06 (2006.01)**
[25] EN
[54] **ADAPTIVE RESOURCE MANAGEMENT FOR MULTI-SCREEN VIDEO APPLICATIONS OVER CABLE WI-FI NETWORKS**
[54] **GESTION ADAPTATIVE DE RESSOURCES POUR DES APPLICATIONS VIDEO MULTI-ECRAN SUR DES RESEAUX A CABLE WIFI**
[72] ZORLU-OZER, SEBNEM, US
[72] HOWALD, ROBERT L., US
[73] ARRIS ENTERPRISES LLC, US
[85] 2015-09-02
[86] 2014-03-13 (PCT/US2014/026891)
[87] (WO2014/152056)
[30] US (61/800,311) 2013-03-15
[30] US (14/210,338) 2014-03-13

[11] **2,903,860**
[13] C
[51] **Int.Cl. H03M 1/12 (2006.01) A61N 1/36 (2006.01) A61N 1/372 (2006.01) H03M 1/46 (2006.01)**
[25] EN
[54] **HIGH VOLTAGE MONITORING SUCCESSIVE APPROXIMATION ANALOG TO DIGITAL CONVERTER**
[54] **CONVERTISSEUR ANALOGIQUE-NUMERIQUE PAR APPROXIMATIONS SUCCESSIVES AVEC SURVEILLANCE HAUTE TENSION**
[72] LEE, EDWARD K. F., US
[73] ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH, US
[85] 2015-09-02
[86] 2014-03-17 (PCT/US2014/030890)
[87] (WO2014/146019)
[30] US (61/788,926) 2013-03-15

[11] **2,904,305**
[13] C
[51] **Int.Cl. F16L 37/40 (2006.01) B67D 7/32 (2010.01) F16L 37/28 (2006.01) F16L 55/10 (2006.01)**
[25] EN
[54] **BREAKAWAY ASSEMBLY WITH RELIEF VALVE**
[54] **ENSEMBLE DE RACCORDS CASSANTS DOTE D'UNE SOUPAPE DE DECHARGE**
[72] NANAJI, SEIFOLLAH S., US
[73] OPW FUELING COMPONENTS INC., US
[85] 2015-09-04
[86] 2014-03-05 (PCT/US2014/020534)
[87] (WO2014/149721)
[30] US (61/788,778) 2013-03-15
[30] US (14/181,937) 2014-02-17

[11] **2,904,595**
[13] C
[51] **Int.Cl. H04N 21/266 (2011.01) H04N 21/2347 (2011.01) H04N 21/258 (2011.01) H04N 21/262 (2011.01) H04N 21/845 (2011.01)**
[25] EN
[54] **METHOD FOR CONTROLLING AND IMPLEMENTING BLACKOUT IN IPTV NETWORKS**
[54] **METHODE DE CONTROLE ET MISE EN PLACE D'EXTINCTION DE SIGNAL DANS LES RESEAUX IPTV**
[72] SAMANT, NIRANJAN R., US
[72] ELSTERMANN, ERIK J., US
[72] MACK, ROBERT E., US
[72] METZ, ERIK C., US
[72] VINCE, LAWRENCE D., US
[73] ARRIS ENTERPRISES LLC, US
[85] 2015-09-08
[86] 2014-03-07 (PCT/US2014/022155)
[87] (WO2014/150086)
[30] US (61/800,084) 2013-03-15
[30] US (13/862,310) 2013-04-12

---

[11] **2,905,767**
[13] C
[51] **Int.Cl. C09D 175/06 (2006.01) C09D 5/44 (2006.01)**
[25] EN
[54] **SOFT-FEEL COATINGS**
[54] **REVETEMENTS DOUX AU TOUCHER**
[72] BENSON, HEIDI M., US
[73] THE SHERWIN-WILLIAMS COMPANY, US
[85] 2015-09-11
[86] 2014-03-11 (PCT/US2014/023005)
[87] (WO2014/159319)
[30] US (13/803,685) 2013-03-14

---

[11] **2,905,894**
[13] C
[51] **Int.Cl. A61M 39/02 (2006.01)**
[25] EN
[54] **INJECTION SITE INFORMATION CAP**
[54] **CAPUCHON D'INFORMATIONS DE SITE D'INJECTION**
[72] BOCHENKO, WALTER JOHN, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2015-09-11
[86] 2014-03-13 (PCT/US2014/025466)
[87] (WO2014/159928)
[30] US (13/802,231) 2013-03-13

---

[11] **2,905,898**
[13] C
[51] **Int.Cl. A61J 1/20 (2006.01) A61J 1/14 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **SEAL SYSTEM FOR CANNULA**
[54] **SYSTEME DE JOINT POUR CANULE**
[72] WITT, ERIK, US
[72] IVOSEVIC, MILAN, US
[72] MARICI, PAUL PAIA, US
[72] CRAFT, BRANDON W., US
[73] BECTON DICKINSON AND COMPANY LIMITED, IE
[85] 2015-09-11
[86] 2014-03-12 (PCT/US2014/023876)
[87] (WO2014/150645)
[30] US (61/787,674) 2013-03-15

---

[11] **2,905,983**
[13] C
[51] **Int.Cl. E04H 4/16 (2006.01)**
[25] EN
[54] **ALTERNATING PADDLE MECHANISM FOR POOL CLEANER**
[54] **MECANISME A AUBES ALTERNEES POUR ORGANE DE NETTOYAGE POUR PISCINE**
[72] KUMAR, SATHEESH, IN
[72] SINGH, NARENDRA PRATAP, IN
[72] GOPALAN, SURESH C., US
[73] PENTAIR WATER POOL AND SPA, INC., US
[85] 2015-09-11
[86] 2014-03-13 (PCT/US2014/026543)
[87] (WO2014/160421)
[30] US (61/780,481) 2013-03-13

---

[11] **2,906,016**
[13] C
[51] **Int.Cl. A61F 5/01 (2006.01) A61F 5/05 (2006.01)**
[25] EN
[54] **ORTHOPEDIC WALKING BRACE HAVING A CURVED SOLE**
[54] **APPAREIL DE MARCHE ORTHOPEDIQUE AYANT UNE SEMELLE COURBEE**
[72] BATTERSON, BENJAMIN, US
[72] SASIDHARAN, MANIKANDAN, US
[72] LOUGHNANE, CHRISTOPHER P., US
[72] HUGGER, DEREK, US
[72] PANECKI, LEE, US
[72] AISTON, CHRIS, US
[73] DJO, LLC, US
[85] 2015-09-11
[86] 2014-03-13 (PCT/US2014/026642)
[87] (WO2014/151902)
[30] US (61/792,129) 2013-03-15

---

[11] **2,908,120**
[13] C
[51] **Int.Cl. C23F 11/18 (2006.01) C09K 8/54 (2006.01) C09K 15/00 (2006.01) E21B 41/02 (2006.01)**
[25] EN
[54] **APPLICATION OF OXYGEN SCAVENGERS TO GLYCOL SYSTEMS**
[54] **APPLICATION DE PIEGES D'OXYGENE A DES SYSTEMES DE GLYCOL**
[72] BOWMAN, CHRISTOPHER WILLIAM, GB
[72] LEHMANN, MARC N., AU
[72] MOK, WAI YEUNG, GB
[72] BARR, NEIL JONATHAN, GB
[73] BAKER HUGHES INCORPORATED, US
[85] 2015-09-25
[86] 2014-03-27 (PCT/US2014/032023)
[87] (WO2014/172086)
[30] US (13/866,674) 2013-04-19

[11] **2,909,693**
[13] C
[51] **Int.Cl. B61L 29/10 (2006.01)**
[25] EN
[54] **USER CONFIGURABLE HORIZONTAL BRAKE FEATURE FOR RAILROAD CROSSING GATES**
[54] **ELEMENT DE FREIN HORIZONTAL POUVANT ETRE CONFIGURE PAR L'UTILISATEUR POUR DES BARRIERES DE PASSAGE A NIVEAU**
[72] BOHME, RICHARD C., US
[73] SIEMENS INDUSTRY, INC., US
[85] 2015-10-16
[86] 2014-04-15 (PCT/US2014/034085)
[87] (WO2014/172311)
[30] US (13/865,704) 2013-04-18

[11] **2,909,928**
[13] C
[51] **Int.Cl. H01M 8/02 (2016.01) H01M 8/2465 (2016.01) H01M 2/04 (2006.01) H01M 2/10 (2006.01)**
[25] EN
[54] **FUEL CELL AND FUEL CELL SYSTEM**
[54] **PILE A COMBUSTIBLE ET SYSTEME DE PILE A COMBUSTIBLE**
[72] TAKEYAMA, MAKOTO, JP
[72] TAKAYAMA, TATEKI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2909928)
[87] (2909928)
[22] 2015-10-22
[30] JP (2014-229648) 2014-11-12

[11] **2,910,211**
[13] C
[51] **Int.Cl. G06F 17/00 (2006.01) G06F 12/00 (2006.01)**
[25] EN
[54] **OBJECT STORAGE USING MULTIPLE DIMENSIONS OF OBJECT INFORMATION**
[54] **STOCKAGE D'OBJET A L'AIDE DE MULTIPLES DIMENSIONS DES INFORMATIONS D'OBJET**
[72] HAMILTON, JAMES R., US
[72] HENRY, ALYSSA H., US
[73] AMAZON TECHNOLOGIES, INC., US
[85] 2015-10-22
[86] 2014-04-25 (PCT/US2014/035531)
[87] (WO2014/176547)
[30] US (13/870,772) 2013-04-25

[11] **2,911,557**
[13] C
[51] **Int.Cl. H01M 8/04701 (2016.01) H01M 8/04029 (2016.01)**
[25] EN
[54] **CONTROL DEVICE OF AIR CONDITIONING SYSTEM**
[54] **DISPOSITIF DE COMMANDE D'UN SYSTEME DE CONDITIONNEMENT DE L'AIR**
[72] YAMADA, TAKASHI, JP
[72] IMANISHI, HIROYUKI, JP
[72] NADA, MITSUHIRO, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2911557)
[87] (2911557)
[22] 2015-11-06
[30] JP (2014-231626) 2014-11-14

[11] **2,911,568**
[13] C
[51] **Int.Cl. H01M 8/043 (2016.01) H01M 8/04119 (2016.01) H01M 8/04746 (2016.01)**
[25] EN
[54] **FUEL CELL SYSTEM AND SCAVENGING TREATMENT CONTROL METHOD**
[54] **SYSTEME DE PILE A COMBUSTIBLE ET METHODE DE CONTROLE DE TRAITEMENT DE RECUPERATION**
[72] MARUO, TSUYOSHI, JP
[72] NAGANUMA, YOSHIAKI, JP
[72] OGAWA, TOMOHIRO, JP
[72] TOIDA, MASASHI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2911568)
[87] (2911568)
[22] 2015-11-06
[30] JP (2014-230867) 2014-11-13

[11] **2,911,573**
[13] C
[51] **Int.Cl. H01M 8/04746 (2016.01) H01M 8/04302 (2016.01) H01M 8/0432 (2016.01)**
[25] EN
[54] **FUEL CELL SYSTEM AND CONTROL METHOD OF FUEL CELL SYSTEM IN A LOW-TEMPERATURE ENVIRONMENT**
[54] **DISPOSITIF DE PILE A COMBUSTIBLE ET METHODE DE COMMANDE D'UN DISPOSITIF DE PILE A COMBUSTIBLE DANS UN ENVIRONNEMENT A BASSE TEMPERATURE**
[72] TOIDA, MASASHI, JP
[72] NAGANUMA, YOSHIAKI, JP
[72] OGAWA, TOMOHIRO, JP
[72] MARUO, TSUYOSHI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2911573)
[87] (2911573)
[22] 2015-11-09
[30] JP (2014-232071) 2014-11-14

[11] **2,912,253**
[13] C
[51] **Int.Cl. F01N 3/20 (2006.01) F01N 13/16 (2010.01)**
[25] FR
[54] **AMMONIA STORAGE UNIT AND ASSOCIATED STRUCTURE AND SYSTEM**
[54] **UNITE DE STOCKAGE D'AMMONIAC ET STRUCTURE ET SYSTEME ASSOCIES**
[72] DEMENTHON, JEAN-BAPTISTE, FR
[72] LEVY, MICHAEL FRANCIS, FR
[73] AAQIUS & AAQIUS SA, CH
[85] 2015-11-09
[86] 2013-08-09 (PCT/EP2013/066770)
[87] (WO2014/023841)
[30] EP (12305993.3) 2012-08-09
[30] EP (12306714.2) 2012-12-31

---

[11] **2,912,487**
[13] C
[51] **Int.Cl. H02M 1/00 (2007.10) H02M 7/00 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **POWER CONVERTER ARRANGEMENT AND METHOD FOR PRODUCING A POWER CONVERTER ARRANGEMENT**
[54] **AGENCEMENT DE CONVERTISSEUR ET PROCEDE DE FABRICATION D'UN AGENCEMENT DE CONVERTISSEUR**
[72] NEUMEISTER, MATTHIAS, DE
[72] KASPAR, MICHAEL, DE
[72] KIEFL, STEFAN, DE
[72] KRIEGEL, KAI, DE
[72] SEIDEL, JULIAN, DE
[72] GEISLER, STEPHAN, DE
[72] JARAUSCH, WOLFGANG, DE
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2015-11-13
[86] 2014-05-05 (PCT/EP2014/059037)
[87] (WO2014/184020)
[30] EP (13167816.1) 2013-05-15

---

[11] **2,912,819**
[13] C
[51] **Int.Cl. E21B 17/00 (2006.01) H01R 13/523 (2006.01) H01R 13/533 (2006.01)**
[25] EN
[54] **MULTIPLE USE TERMINATION SYSTEM**
[54] **SYSTEME DE TERMINAISON A USAGES MULTIPLES**
[72] SEMPLE, RYAN P., US
[72] FREY, JEFFREY G., US
[73] BAKER HUGHES INCORPORATED, US
[85] 2015-11-18
[86] 2014-05-12 (PCT/US2014/037696)
[87] (WO2014/183115)
[30] US (61/822,169) 2013-05-10

---

[11] **2,912,888**
[13] C
[51] **Int.Cl. G03F 7/00 (2006.01) B82Y 20/00 (2011.01) G02B 5/18 (2006.01) G06K 19/06 (2006.01) G09F 3/03 (2006.01) B42D 25/30 (2014.01)**
[25] EN
[54] **METHODS FOR FABRICATING COLOR IMAGE DISPLAY DEVICES COMPRISING STRUCTURAL COLOR PIXELS FROM A GENERIC STAMP**
[54] **PROCEDES DE FABRICATION DE DISPOSITIFS D'AFFICHAGE D'IMAGE EN COULEUR COMPORTANT DES PIXELS DE COULEUR STRUCTURAUX A PARTIR D'UN MODELE GENERIQUE**
[72] JIANG, HAO, CA
[72] REZAEI, MOHAMAD, CA
[72] KAMINSKA, BOZENA, CA
[73] NANOMEDIA SOLUTIONS INC., CA
[86] (2912888)
[87] (2912888)
[22] 2015-11-24
[30] US (62/084,245) 2014-11-25

---

[11] **2,914,725**
[13] C
[51] **Int.Cl. B05B 1/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF SELECTIVE FLUID PATTERN DISTRIBUTION**
[54] **SYSTEME ET PROCEDE POUR MECANISMES DE DISTRIBUTION DE FLUIDE SELECTIFS**
[72] KENNEDY, KEVIN, US
[73] AM CONSERVATION GROUP, INC., US
[85] 2015-12-07
[86] 2014-06-10 (PCT/US2014/041711)
[87] (WO2014/201003)
[30] US (61/833,684) 2013-06-11

---

[11] **2,915,555**
[13] C
[51] **Int.Cl. F01K 17/02 (2006.01) F01K 23/04 (2006.01) F01K 25/06 (2006.01) F01K 25/10 (2006.01) F02C 7/143 (2006.01)**
[25] EN
[54] **METHOD FOR ENERGY SAVING**
[54] **METHODE D'ECONOMIE D'ENERGIE**
[72] VAN BEVEREN, PETRUS CAROLUS, NL
[73] P.T.I., NL
[73] VAN BEVEREN, PETRUS CAROLUS, NL
[85] 2015-12-15
[86] 2014-07-01 (PCT/IB2014/001244)
[87] (WO2015/004515)
[30] BE (2013/0478) 2013-07-09

---

[11] **2,917,195**
[13] C
[51] **Int.Cl. H05H 1/24 (2006.01) H05H 1/02 (2006.01)**
[25] EN
[54] **MAGNETIZED COAXIAL PLASMA GENERATION DEVICE**
[54] **DISPOSITIF DE GENERATION DE PLASMA COAXIAL MAGNETISE**
[72] ASAI, TOMOHIKO, JP
[72] SEKIGUCHI, JUN'ICHI, JP
[72] MATSUMOTO, TADAFUMI, JP
[73] NIHON UNIVERSITY, JP
[85] 2015-12-30
[86] 2014-06-30 (PCT/JP2014/067337)
[87] (WO2015/002131)
[30] JP (2013-138533) 2013-07-02

[11] **2,917,518**
[13] C
[51] **Int.Cl. G10L 19/008 (2013.01)**
[25] EN
[54] **MULTICHANNEL AUDIO CODING**
[54] **CODAGE AUDIO MULTICANAUX**
[72] DAVIS, MARK FRANKLIN, US
[73] DOLBY LABORATORIES LICENSING CORPORATION, US
[86] (2917518)
[87] (2917518)
[22] 2005-02-28
[62] 2,808,226
[30] US (60/549,368) 2004-03-01
[30] US (60/579,974) 2004-06-14
[30] US (60/588,256) 2004-07-14

[11] **2,917,631**
[13] C
[51] **Int.Cl. H04N 19/117 (2014.01) H04N 19/176 (2014.01) H04N 19/593 (2014.01) H04N 19/70 (2014.01) H04N 19/82 (2014.01)**
[25] EN
[54] **DISABLING INTRA PREDICTION FILTERING**
[54] **DESACTIVATION DU FILTRAGE DE PREDICTION INTRA-TRAME**
[72] JOSHI, RAJAN LAXMAN, US
[72] SOLE ROJALS, JOEL, US
[72] KARCZEWICZ, MARTA, US
[72] KANG, JEWON, KR
[72] KIM, WOO-SHIK, US
[73] QUALCOMM INCORPORATED, US
[85] 2016-01-06
[86] 2014-07-18 (PCT/US2014/047222)
[87] (WO2015/010037)
[30] US (61/856,637) 2013-07-19
[30] US (61/857,131) 2013-07-22
[30] US (61/876,205) 2013-09-10
[30] US (61/880,087) 2013-09-19
[30] US (61/888,319) 2013-10-08
[30] US (61/890,844) 2013-10-14
[30] US (61/890,822) 2013-10-14
[30] US (14/334,496) 2014-07-17

[11] **2,918,302**
[13] C
[51] **Int.Cl. G10L 19/18 (2013.01) G10L 19/26 (2013.01) G10L 21/02 (2013.01) H04R 3/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR NON-DESTRUCTIVELY NORMALIZING LOUDNESS OF AUDIO SIGNALS WITHIN PORTABLE DEVICES**
[54] **SYSTEME ET PROCEDE POUR NORMALISER DE MANIERE NON DESTRUCTIVE L'INTENSITE SONORE DE SIGNAUX AUDIO DANS DES DISPOSITIFS PORTABLES**
[72] RIEDMILLER, JEFFREY C., US
[72] MUNDT, HARALD H., DE
[72] SCHUG, MICHAEL, DE
[72] WOLTERS, MARTIN, DE
[73] DOLBY LABORATORIES LICENSING CORPORATION, US
[73] DOLBY INTERNATIONAL AB, NL
[86] (2918302)
[87] (2918302)
[22] 2011-02-03
[62] 2,787,466
[30] US (61/303643) 2010-02-11

[11] **2,918,628**
[13] C
[51] **Int.Cl. E21B 47/00 (2012.01) G01V 3/18 (2006.01) G01V 3/38 (2006.01)**
[25] EN
[54] **DOWNHOLE NUCLEAR MAGNETIC RESONANCE (NMR) TOOL WITH TRANSVERSAL-DIPOLE ANTENNA CONFIGURATION**
[54] **OUTIL DE RESONANCE MAGNETIQUE NUCLEAIRE (RMN) DE FOND DE TROU AYANT UNE CONFIGURATION D'ANTENNE DIPOLE TRANSVERSAL**
[72] REIDERMAN, ARCADY, US
[72] CHEN, SONGHUA, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-01-18
[86] 2014-08-08 (PCT/US2014/050294)
[87] (WO2015/031026)
[30] US (61/872,362) 2013-08-30

[11] **2,919,587**
[13] C
[51] **Int.Cl. E02D 27/42 (2006.01)**
[25] EN
[54] **WIND ENERGY PLANT FOUNDATION AND WIND ENERGY PLANT**
[54] **FONDATION POUR USINE D'ENERGIE EOLIENNE ET USINE D'ENERGIE EOLIENNE**
[72] HOLSCHER, NORBERT, DE
[73] WOBBEN PROPERTIES GMBH, DE
[85] 2016-01-12
[86] 2014-08-05 (PCT/EP2014/066823)
[87] (WO2015/024772)
[30] DE (102013216343.6) 2013-08-19

[11] **2,920,261**
[13] C
[51] **Int.Cl. A61B 17/12 (2006.01)**
[25] EN
[54] **CLAMP DEVICE FOR MINIMALLY INVASIVE PROCEDURES AND USES THEREOF**
[54] **DISPOSITIF DE SERRAGE POUR PROCEDURES MINI-INVASIVES ET UTILISATIONS DE CE DERNIER**
[72] CABRERA AQUINO, JOSE GUSTAVO, MX
[72] SEGURA PACHECO, BLANCA ANGELICA, MX
[72] MASTERSON, STEVEN, US
[72] ROZENBERG, ALLAN, US
[72] FAUCHER, PAUL, US
[72] HOFFMAN, JOHN, US
[73] GLOBAL BIO THERAPEUTICS, INC., US
[85] 2016-02-02
[86] 2014-08-08 (PCT/US2014/050441)
[87] (WO2015/021443)
[30] US (61/863,903) 2013-08-08

[11] **2,920,505**
[13] C
[51] **Int.Cl. C07D 279/18 (2006.01) C07D 279/20 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PURIFICATION OF DIAMINOPHENOTHIAZINIUM COMPOUNDS**
[54] **PROCEDE DE PURIFICATION DE COMPOSES DIAMINOPHENOTHIAZINIUM**
[72] EUTICK, MALVIN, AU
[73] EUPHARMA PTY LTD, AU
[85] 2016-02-05
[86] 2014-08-15 (PCT/AU2014/000807)
[87] (WO2015/021500)
[30] AU (2013903099) 2013-08-15

---

[11] **2,920,823**
[13] C
[51] **Int.Cl. G01B 11/00 (2006.01)**
[25] EN
[54] **OBJECT DETECTION APPARATUS, OBJECT DETECTION METHOD, AND OBJECT DETECTION SYSTEM**
[54] **APPAREIL DE DETECTION D'OBJET, METHODE DE DETECTION D'OBJET ET SYSTEME DE DETECTION D'OBJET**
[72] KUMENO, HIROYUKI, JP
[72] OKAMOTO, YUJI, JP
[72] MURAI, YUICHI, JP
[72] OISHI, YOSHIHIKO, JP
[72] TASAKA, YUJI, JP
[73] NEC CORPORATION, JP
[73] NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY, JP
[85] 2016-02-09
[86] 2014-09-01 (PCT/JP2014/073593)
[87] (WO2015/041081)
[30] JP (2013-191733) 2013-09-17

---

[11] **2,921,911**
[13] C
[51] **Int.Cl. H01H 71/52 (2006.01) H01H 3/04 (2006.01)**
[25] EN
[54] **CIRCUIT BREAKER HANDLE ACTUATION DEVICE**
[54] **DISPOSITIF D'ACTIONNEMENT DE MANETTE DE DISJONCTEUR**
[72] PHARNE, AJIT, US
[73] SIEMENS INDUSTRY, INC., US
[85] 2016-02-19
[86] 2014-08-07 (PCT/US2014/050025)
[87] (WO2015/026530)
[30] US (13/973,059) 2013-08-22

---

[11] **2,921,940**
[13] C
[51] **Int.Cl. F25D 3/02 (2006.01)**
[25] EN
[54] **BEVERAGE COOLER**
[54] **REFROIDISSEUR A BOISSON**
[72] PORTER, DAVID, CA
[73] PORTER, DAVID, CA
[86] (2921940)
[87] (2921940)
[22] 2016-02-25

---

[11] **2,922,378**
[13] C
[51] **Int.Cl. G03G 9/08 (2006.01) B41F 23/08 (2006.01) C08J 3/12 (2006.01)**
[25] EN
[54] **CLEAR TONER COMPOSITIONS**
[54] **COMPOSITIONS D'ENCRE SECHE CLAIRE**
[72] MORALES-TIRADO, JUAN A., US
[72] IANNI, JOHN JAMES, US
[72] WAGNER, MORITZ P., US
[73] XEROX CORPORATION, US
[86] (2922378)
[87] (2922378)
[22] 2016-03-07
[30] US (14/682948) 2015-04-09

---

[11] **2,922,614**
[13] C
[51] **Int.Cl. A61F 13/494 (2006.01) A61F 13/511 (2006.01) A61F 13/532 (2006.01) A61F 13/537 (2006.01)**
[25] EN
[54] **ABSORBENT ARTICLES WITH CHANNELS**
[54] **ARTICLES ABSORBANTS PRESENTANT DES CANAUX**
[72] ROE, DONALD CARROLL, US
[72] CHATTERJEE, ANIRUDDHA, DE
[72] GREENING, NELSON EDWARD, II, US
[72] GRENBERG, SHARON IRENE, US
[72] KREUZER, CARSTEN HEINRICH, DE
[72] MARTYNUS, CORNELIA BEATE, DE
[72] O'REILLY, MARIE BRIGID, US
[72] ROSATI, RODRIGO, DE
[72] SAUTTER, SANDRA, DE
[72] SIMON, BEATE, DE
[72] STELZIG, LUTZ, DE
[72] WALTHER, RACHAEL EDEN, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2016-02-26
[86] 2014-08-25 (PCT/US2014/052496)
[87] (WO2015/031243)
[30] US (61/870,391) 2013-08-27
[30] US (61/870,365) 2013-08-27
[30] US (61/870,397) 2013-08-27

---

[11] **2,922,810**
[13] C
[51] **Int.Cl. F16H 63/18 (2006.01) B60K 17/06 (2006.01) F16H 59/42 (2006.01) F16H 61/00 (2006.01)**
[25] EN
[54] **VEHICLE POWER UNIT**
[54] **BLOC D'ALIMENTATION DE VEHICULE**
[72] SUGANO, TAKESHI, JP
[72] HAYASHI, TENSEI, JP
[72] MITSUBORI, TOSHIMASA, JP
[73] HONDA MOTOR CO., LTD., JP
[85] 2016-02-29
[86] 2014-05-29 (PCT/JP2014/064235)
[87] (WO2015/037284)
[30] JP (2013-188454) 2013-09-11

[11] **2,923,000**
[13] C
[51] **Int.Cl. H04L 12/423 (2006.01) H04L 12/437 (2006.01) A62C 37/00 (2006.01) G08B 17/00 (2006.01) G08B 25/04 (2006.01) G08B 29/06 (2006.01)**
[25] EN
[54] **BUS SYSTEM AND METHOD FOR OPERATING SUCH A BUS SYSTEM**
[54] **SYSTEME DE BUS ET PROCEDE POUR FAIRE FONCTIONNER UN TEL SYSTEME DE BUS**
[72] LEWONIG, HORST, DE
[73] AMRONA AG, CH
[85] 2016-03-02
[86] 2014-09-30 (PCT/EP2014/070854)
[87] (WO2015/058928)
[30] EP (13190211.6) 2013-10-25

---

[11] **2,923,154**
[13] C
[51] **Int.Cl. G01V 3/11 (2006.01) H03H 7/00 (2006.01)**
[25] EN
[54] **BALANCING CIRCUIT FOR A METAL DETECTOR**
[54] **CIRCUIT D'EQUILIBRAGE POUR DETECTEUR DE METAUX**
[72] SIMON, JOSEPH S., US
[73] CARNES COMPANY, INC., US
[86] (2923154)
[87] (2923154)
[22] 2007-07-27
[62] 2,595,151
[30] US (11/779,969) 2007-07-19

---

[11] **2,923,505**
[13] C
[51] **Int.Cl. B64F 1/02 (2006.01)**
[25] EN
[54] **LINE CAPTURE DEVICES FOR UNMANNED AIRCRAFT, AND ASSOCIATED SYSTEMS AND METHODS**
[54] **DISPOSITIFS DE CAPTURE DE LIGNE POUR AVION SANS PILOTE ET SYSTEMES ET PROCEDES ASSOCIES**
[72] THOMASIAN, CRAIG ARAM, US
[72] DICKSON, MATTHEW ROBERT, US
[73] INSITU INC., US
[86] (2923505)
[87] (2923505)
[22] 2011-09-27
[62] 2,812,769
[30] US (61/386,956) 2010-09-27

---

[11] **2,923,646**
[13] C
[51] **Int.Cl. A47C 3/025 (2006.01) A47C 3/18 (2006.01)**
[25] EN
[54] **SWIVELLING LOUNGE CHAIR WITH LIMITED RECLINE**
[54] **CHAISE LONGUE PIVOTANTE A INCLINAISON LIMITEE**
[72] WILLIAMS, SCOTT J., US
[72] HORNBERGER, TIMOTHY G., US
[72] LENHART, TAD E., US
[72] BOSMAN, SCOTT A., US
[73] KRUEGER INTERNATIONAL, INC., US
[86] (2923646)
[87] (2923646)
[22] 2016-03-14
[30] US (14/661,176) 2015-03-18
[30] US (15/064,793) 2016-03-09

---

[11] **2,924,113**
[13] C
[51] **Int.Cl. C09D 13/00 (2006.01)**
[25] EN
[54] **LEAD FOR WRITING, DRAWING AND/OR PAINTING DEVICES AND METHOD FOR THE PRODUCTION THEREOF**
[54] **MINE LIEE A UN POLYMERE POUR INSTRUMENTS D'ECRITURE, DE DESSIN ET/OU DE PEINTURE ET PROCEDE DE FABRICATION**
[72] THIES, ANDREAS, DE
[72] JAKOB, MARTIN, DE
[72] ADLER, JURGEN, DE
[73] STAEDTLER MARS GMBH & CO. KG, DE
[85] 2016-03-11
[86] 2014-09-11 (PCT/EP2014/002461)
[87] (WO2015/049026)
[30] DE (10 2013 016 355.2) 2013-10-01

---

[11] **2,924,231**
[13] C
[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/415 (2006.01) A61K 31/417 (2006.01)**
[25] EN
[54] **DEXMEDETOMIDINE TRANSDERMAL DELIVERY DEVICES AND METHODS FOR USING THE SAME**
[54] **DISPOSITIFS D'ADMINISTRATION TRANSDERMIQUE DE DEXMEDETOMIDINE ET LEURS METHODES D'UTILISATION**
[72] PONGPEERAPAT, ADCHARA, US
[72] JAIN, AMIT, US
[72] BERNER, BRET, US
[72] WEN, JIANYE, US
[72] SHUDO, JUTARO, US
[73] TEIKOKU PHARMA USA, INC., US
[85] 2016-03-11
[86] 2014-10-03 (PCT/US2014/059050)
[87] (WO2015/054058)
[30] US (61/887,859) 2013-10-07

---

[11] **2,924,288**
[13] C
[51] **Int.Cl. B27D 1/00 (2006.01)**
[25] EN
[54] **COMPOSITE WOOD PANELS WITH CORRUGATED CORES AND METHOD OF MANUFACTURING SAME**
[54] **PANNEAUX DE BOIS MIXTE A AMES ONDULEES ET METHODE DE FABRICATION ASSOCIEE**
[72] BATTY, RONALD J., CA
[73] BONDCORE OU, EE
[86] (2924288)
[87] (2924288)
[22] 2016-03-21

[11] **2,924,356**
[13] C
[51] **Int.Cl. C07C 233/11 (2006.01) A61K 31/165 (2006.01) A61P 9/12 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR THE TREATMENT OF HYPERTENSION AND/OR FIBROSIS**
[54] **COMPOSITIONS POUR LE TRAITEMENT DE L'HYPERTENSION ET/OU D'UNE FIBROSE**
[72] DUGGAN, KAREN ANNETTE, AU
[73] VECTUS BIOSYSTEMS LIMITED, AU
[85] 2016-03-15
[86] 2014-09-17 (PCT/AU2014/000923)
[87] (WO2015/039173)
[30] AU (2013903573) 2013-09-17

---

[11] **2,924,554**
[13] C
[51] **Int.Cl. F16J 15/34 (2006.01)**
[25] EN
[54] **ROTARY FACE SEAL WITH ANTI-CROWNING FEATURES**
[54] **JOINT FACIAL ROTATIF A CARACTERISTIQUES ANTI-CINTRAGE**
[72] MCLEAN, CHRISTOPHER R., CA
[72] LEBLANC, MICHEL P., CA
[72] MCKERROW, MICHAEL J., CA
[72] KEEFER, BOWIE G., CA
[72] KONG, XIANG LU, CA
[72] LEBECK, ALAN O., US
[73] AIR PRODUCTS AND CHEMICALS, INC., US
[86] (2924554)
[87] (2924554)
[22] 2009-07-01
[62] 2,729,791
[30] US (61/133,939) 2008-07-02

---

[11] **2,925,322**
[13] C
[51] **Int.Cl. B25H 3/00 (2006.01) B25H 3/04 (2006.01)**
[25] EN
[54] **HAND TOOL FRAME**
[54] **CADRE D'OUTIL MANUEL**
[72] KAO, JUI-CHIEN, TW
[73] KAO, JUI-CHIEN, CN
[86] (2925322)
[87] (2925322)
[22] 2016-03-29

---

[11] **2,925,571**
[13] C
[51] **Int.Cl. B65D 75/58 (2006.01) B65B 11/00 (2006.01) B65D 75/40 (2006.01) B65D 75/46 (2006.01)**
[25] EN
[54] **PACKAGE COMPRISING A PLURALITY OF INDIVIDUALLY WRAPPED ARTICLES**
[54] **PAQUET CONTENANT UNE PLURALITE D'ARTICLES EMBALLES INDIVIDUELLEMENT**
[72] DE SOTO-BURT, WIDALYS LUZ, US
[72] WILSON, GREGORY JAMES, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2016-03-24
[86] 2014-10-24 (PCT/US2014/062134)
[87] (WO2015/065832)
[30] US (61/896,672) 2013-10-29

---

[11] **2,925,645**
[13] C
[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **NON-BURNING TYPE FLAVOR INHALER AND CAPSULE UNIT**
[54] **DISPOSITIF D'ASPIRATION D'AROME DU TYPE SANS COMBUSTION ET PARTIE CAPSULE**
[72] SHINKAWA, TAKESHI, JP
[72] MATSUMOTO, HIROFUMI, JP
[72] YAMADA, MANABU, JP
[73] JAPAN TOBACCO INC., JP
[85] 2016-03-29
[86] 2014-09-25 (PCT/JP2014/075537)
[87] (WO2015/046385)
[30] JP (2013-204177) 2013-09-30

---

[11] **2,926,800**
[13] C
[51] **Int.Cl. E21B 34/06 (2006.01) E21B 21/10 (2006.01)**
[25] EN
[54] **SEAT APPARATUS AND METHOD**
[54] **APPAREIL A SIEGE ET PROCEDE**
[72] CARREJO, NICHOLAS, US
[72] ESPINOZA, OMAR R., US
[72] GAUDETTE, SEAN L., US
[73] BAKER HUGHES INCORPORATED, US
[85] 2016-04-07
[86] 2014-09-15 (PCT/US2014/055586)
[87] (WO2015/057329)
[30] US (14/054,236) 2013-10-15

---

[11] **2,927,013**
[13] C
[51] **Int.Cl. F16C 19/50 (2006.01) B23B 3/22 (2006.01) B23B 5/08 (2006.01) B23Q 1/52 (2006.01)**
[25] EN
[54] **BEARING ASSEMBLY FOR USE WITH A ROTATING MACHINING DEVICE**
[54] **ENSEMBLE DE PALIER DESTINE A ETRE UTILISE AVEC UN DISPOSITIF D'USINAGE ROTATIF**
[72] WALTON, JOEL, US
[72] HOANG, VINH, US
[73] TRI TOOL INC., US
[85] 2016-04-08
[86] 2014-10-09 (PCT/US2014/059875)
[87] (WO2015/054479)
[30] US (61/889,735) 2013-10-11

---

[11] **2,927,918**
[13] C
[51] **Int.Cl. E21B 43/12 (2006.01) E21B 23/08 (2006.01) E21B 33/13 (2006.01)**
[25] EN
[54] **FLOW CONTROL IN SUBTERRANEAN WELLS**
[54] **CONTROLE D'ECOULEMENT DANS LES PUITS SOUTERRAINS**
[72] SCHULTZ, ROGER L., US
[72] WATSON, BROCK W., US
[72] FERGUSON, ANDREW, US
[73] THRU TUBING SOLUTIONS, INC., US
[86] (2927918)
[87] (2927918)
[22] 2016-04-20
[30] US (14/698,578) 2015-04-28

---

[11] **2,927,927**
[13] C
[51] **Int.Cl. B25H 3/00 (2006.01) B25H 3/04 (2006.01)**
[25] EN
[54] **SOCKET HOLDING FRAME**
[54] **CADRE DE SUPPORT DE DOUILLE**
[72] KAO, JUI-CHIEN, TW
[73] KAO, JUI-CHIEN, CN
[86] (2927927)
[87] (2927927)
[22] 2016-04-26

[11] **2,928,168**
[13] C
[51] **Int.Cl. B07C 5/04 (2006.01)**
[25] EN
[54] **GOODS PROCESSING APPARATUS TO PLACE AND SINGULARIZE FLAT GOODS AND METHOD**
[54] **APPAREIL DE TRAITEMENT DE BIENS SERVANT A PLACER ET SINGULARISER DES BIENS PLATS, ET METHODE**
[72] MUHL, WOLFGANG, DE
[73] FRANCOTYP-POSTALIA GMBH, DE
[86] (2928168)
[87] (2928168)
[22] 2016-04-28
[30] DE (20 2015 102 333.2) 2015-05-07

[11] **2,928,574**
[13] C
[51] **Int.Cl. B01J 23/78 (2006.01) C07C 29/153 (2006.01)**
[25] EN
[54] **COBALT-MOLYBDENUM SULFIDE CATALYST MATERIALS AND METHODS FOR ETHANOL PRODUCTION FROM SYNGAS**
[54] **MATERIAUX CATALYSEURS A BASE DE SULFURE DE COBALT-MOLYBDENE ET PROCEDES DE PRODUCTION D'ETHANOL A BASE DE SYNGAZ**
[72] KHARAS, KARL, US
[72] DURAND, JASON, US
[73] ALBEMARLE CORPORATION, US
[86] (2928574)
[87] (2928574)
[22] 2008-09-05
[62] 2,698,714
[30] US (60/970,644) 2007-09-07
[30] US (12/204,543) 2008-09-04

[11] **2,928,909**
[13] C
[51] **Int.Cl. A61C 13/00 (2006.01) A61K 6/083 (2006.01)**
[25] EN
[54] **THREE-DIMENSIONAL PRINTING METHODS AND MATERIALS FOR MAKING DENTAL PRODUCTS**
[54] **PROCEDES D'IMPRESSION EN TROIS DIMENSIONS ET MATERIAUX POUR FABRIQUER DES PRODUITS DENTAIRES**
[72] SUN, BENJAMIN J., US
[72] KENNEDY, CHRISTOPHER R., US
[72] LICHKUS, ANDREW, US
[73] DENTSPLY INTERNATIONAL INC., US
[86] (2928909)
[87] (2928909)
[22] 2008-08-29
[62] 2,698,189
[30] US (60/967,066) 2007-08-31

[11] **2,929,296**
[13] C
[51] **Int.Cl. E21B 10/46 (2006.01) E21B 10/50 (2006.01)**
[25] EN
[54] **FIBER-REINFORCED TOOLS FOR DOWNHOLE USE**
[54] **OUTILS RENFORCES DE FIBRES POUR UNE UTILISATION EN FOND DE TROU**
[72] OLSEN, GARRETT T., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-04-29
[86] 2013-12-13 (PCT/US2013/075061)
[87] (WO2015/088560)

[11] **2,929,489**
[13] C
[51] **Int.Cl. B62H 3/00 (2006.01) F16M 11/00 (2006.01)**
[25] EN
[54] **BICYCLE STAND AND METHOD OF USE**
[54] **SUPPORT DE VELO ET PROCEDE D'UTILISATION**
[72] DIORIO, MIKE, US
[73] FEEDBACK SPORTS LLC, US
[85] 2016-05-03
[86] 2014-03-06 (PCT/US2014/021445)
[87] (WO2015/069314)
[30] US (61/900,069) 2013-11-05

[11] **2,929,543**
[13] C
[51] **Int.Cl. A47L 9/16 (2006.01) A47L 5/28 (2006.01) A47L 9/10 (2006.01)**
[25] EN
[54] **HAND VACUUM CLEANER HAVING UPSTREAM AND DOWNSTREAM CYCLONE CLEANING STAGES**
[54] **ASPIRATEUR MANUEL COMPORTANT DES ETAGES DE NETTOYAGE CYCLONIQUE EN AVAL ET EN AMONT**
[72] CONRAD, WAYNE ERNEST, CA
[73] OMACHRON INTELLECTUAL PROPERTY INC., CA
[86] (2929543)
[87] (2929543)
[22] 2007-03-09
[62] 2,849,699
[30] US (60/780,824) 2006-03-10

[11] **2,929,879**
[13] C
[51] **Int.Cl. E21B 44/02 (2006.01) E21B 47/12 (2012.01)**
[25] EN
[54] **REDUNDANT, ADAPTABLE SLIP RING**
[54] **ANNEAU GLISSANT ADAPTABLE REDONDANT**
[72] HARDIN, JOHN, JR., US
[72] GOLLA, CHRISTOPHER A., US
[72] ZACHARKO, JONATHAN P., CA
[72] WONG, DAVID YAN LAP, CA
[72] WINSLOW, DANIEL M., US
[72] HAY, RICHARD THOMAS, US
[72] KIRKHOPE, KENNEDY, CA
[72] LOZINSKY, CLINT P., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-05-05
[86] 2013-12-12 (PCT/US2013/074534)
[87] (WO2015/088527)

[11] **2,930,444**
[13] C
[51] **Int.Cl. C07H 13/08 (2006.01) C07H 1/00 (2006.01) C07H 3/10 (2006.01)**
[25] EN
[54] **DISACCHARIDE INTERMEDIATE AND SYNTHESIS METHOD THEREOF**
[54] **INTERMEDIAIRE DISACCHARIDIQUE ET SON PROCEDE DE SYNTHESE**
[72] GUO, YANGHUI, CN
[72] ZHOU, JUNHUI, CN
[72] CAI, QINGFENG, CN
[72] WEI, HEGENG, CN
[72] BAI, HUA, CN
[72] LONG, FEI, CN
[72] ZHANG, YUE, CN
[72] WU, YINGQIU, CN
[73] ZHEJIANG HISUN PHARMACEUTICAL CO., LTD., CN
[85] 2016-05-12
[86] 2014-04-28 (PCT/CN2014/076359)
[87] (WO2015/070571)
[30] CN (201310571340.5) 2013-11-14

---

[11] **2,930,670**
[13] C
[51] **Int.Cl. C01B 32/20 (2017.01) C01B 32/21 (2017.01)**
[25] EN
[54] **CARBON COMPOSITES, METHODS OF MANUFACTURE, AND USES THEREOF**
[54] **COMPOSITES DE CARBONE, LEUR PROCEDES DE FABRICATION ET UTILISATIONS ASSOCIEES**
[72] ZHAO, LEI, US
[72] XU, ZHIYUE, US
[73] BAKER HUGHES INCORPORATED, US
[85] 2016-05-13
[86] 2014-11-13 (PCT/US2014/065389)
[87] (WO2015/088698)
[30] US (14/103,095) 2013-12-11
[30] US (14/534,356) 2014-11-06

---

[11] **2,931,074**
[13] C
[51] **Int.Cl. H04N 5/357 (2011.01) H04N 5/21 (2006.01) H04N 5/232 (2006.01)**
[25] EN
[54] **ELECTRONIC ENDOSCOPE SYSTEM**
[54] **SYSTEME D'ENDOSCOPE ELECTRONIQUE**
[72] YOKOUCHI, FUMIKA, JP
[73] HOYA CORPORATION, JP
[85] 2016-05-18
[86] 2015-03-26 (PCT/JP2015/059360)
[87] (WO2015/156142)
[30] JP (2014-081918) 2014-04-11

---

[11] **2,931,212**
[13] C
[51] **Int.Cl. B28C 7/02 (2006.01) B28C 7/04 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR IMPROVING MIXING OF CEMENT SLURRY**
[54] **PROCEDE ET APPAREIL PERMETTANT D'AMELIORER LE MELANGE DE COULIS DE CIMENT**
[72] BROWN, PAUL ALAN, US
[72] PADGETT, PAUL ORMAN, US
[72] SNEED, CRAIG ALLEN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-05-16
[86] 2013-12-20 (PCT/US2013/076821)
[87] (WO2015/094323)

---

[11] **2,931,669**
[13] C
[51] **Int.Cl. H04W 56/00 (2009.01) H04W 72/04 (2009.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND DEVICES FOR SYNCHRONIZATION AND RESOURCE ALLOCATION FOR DEVICE-TO-DEVICE COMMUNICATION**
[54] **SYSTEMES, PROCEDES ET DISPOSITIFS DE SYNCHRONISATION ET D'ALLOCATION DE RESSOURCES POUR UNE COMMUNICATION DE DISPOSITIF A DISPOSITIF**
[72] KHORYAEV, ALEXEY, RU
[72] SHILOV, MIKHAIL, RU
[72] PANTELEEV, SERGEY, RU
[72] CHATTERJEE, DEBDEEP, US
[73] INTEL CORPORATION, US
[85] 2016-05-25
[86] 2015-01-30 (PCT/US2015/013789)
[87] (WO2015/116940)
[30] US (61/933,874) 2014-01-31

---

[11] **2,931,718**
[13] C
[51] **Int.Cl. A47K 3/34 (2006.01)**
[25] EN
[54] **TRACK CORNER CONNECTING DEVICE FOR SHOWER DOOR, SHOWER DOOR FRAME AND SHOWER DOOR**
[54] **DISPOSITIF DE CONNEXION DE COIN DE RAIL POUR PORTE DE DOUCHE, CADRE DE PORTE DE DOUCHE ET PORTE DE DOUCHE**
[72] WEI, WUXIANG, CN
[73] IDEAL SANITARY WARE CO., LTD., CN
[85] 2016-05-30
[86] 2015-01-28 (PCT/CN2015/071770)
[87] (WO2016/119151)

[11] **2,932,527**
[13] C
[51] **Int.Cl. F16L 15/04 (2006.01)**
[25] EN
[54] **THREADED JOINT FOR STEEL PIPES**
[54] **RACCORD FILETE POUR TUYAUX EN ACIER**
[72] SUGINO, MASAAKI, JP
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[73] VALLOUREC OIL AND GAS FRANCE, FR
[85] 2016-06-02
[86] 2014-12-05 (PCT/JP2014/006079)
[87] (WO2015/083382)
[30] JP (2013-251671) 2013-12-05

[11] **2,932,635**
[13] C
[51] **Int.Cl. B32B 17/10 (2006.01) G02B 27/01 (2006.01)**
[25] EN
[54] **THERMOPLASTIC FILM FOR A LAMINATED GLASS PANE HAVING A NONLINEAR CONTINUOUS WEDGE INSERT IN THE VERTICAL AND HORIZONTAL DIRECTION IN SOME SECTIONS**
[54] **FILM THERMOPLASTIQUE POUR VITRAGE FEUILLETE POURVU D'UNE COUCHE INTERMEDIAIRE D'AMINCISSEMENT NON LINEAIREMENT CONTINUE SUR CERTAINES PARTIES DANS UNE DIRECTION VERTICALE ET HORIZONTALE**
[72] ARNDT, MARTIN, DE
[72] GOSSEN, STEFAN, DE
[73] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2016-06-03
[86] 2014-11-10 (PCT/EP2014/074115)
[87] (WO2015/086233)
[30] EP (13196871.1) 2013-12-12

[11] **2,932,919**
[13] C
[51] **Int.Cl. B65B 35/56 (2006.01) B65G 47/26 (2006.01)**
[25] EN
[54] **GROUPING OF GOODS**
[54] **REGROUPEMENT DE BIENS**
[72] ANDERS, DANIEL, DE
[72] ELSPAB, RENE, DE
[73] WIPOTEC WIEGE- AND POSITIONIERSYSTEM GMBH, DE
[86] (2932919)
[87] (2932919)
[22] 2016-06-14
[30] DE (10 2015 109 556.4) 2015-06-15
[30] DE (10 2015 113 021.1) 2015-08-07

[11] **2,935,868**
[13] C
[51] **Int.Cl. C12P 19/34 (2006.01)**
[25] EN
[54] **SITE-SPECIFIC ENDONUCLEASE GUIDED ROLLING CIRCLE AMPLIFICATION**
[54] **AMPLIFICATION PAR CERCLE ROULANT DIRIGEE PAR UNE ENDONUCLEASE SPECIFIQUE D'UN SITE**
[72] MERANTE, FRANCESCO, CA
[73] SIMPLY DIAGNOSTICS INC., CA
[85] 2016-07-05
[86] 2015-07-28 (PCT/CA2015/050714)
[87] (WO2016/019455)
[30] US (62/029,923) 2014-07-28

[11] **2,937,751**
[13] C
[51] **Int.Cl. A01K 85/01 (2006.01) A01K 85/00 (2006.01)**
[25] EN
[54] **MODULAR FISHING LURE SYSTEM**
[54] **SYSTEME DE LEURRE DE PECHE MODULAIRE**
[72] THOMAS, SCOTT, US
[73] THOMAS, SCOTT, US
[85] 2016-07-22
[86] 2014-01-24 (PCT/US2014/012985)
[87] (WO2015/112161)

[11] **2,938,347**
[13] C
[51] **Int.Cl. A63J 1/02 (2006.01)**
[25] EN
[54] **STAGE REPRESENTATION SYSTEM AND STAGE REPRESENTATION METHOD**
[54] **SYSTEME DE REPRESENTATION DE SCENE ET METHODE DE REPRESENTATION DE SCENE**
[72] ISAYAMA, KIYOSHI, JP
[73] ISA CO., LTD., JP
[86] (2938347)
[87] (2938347)
[22] 2016-08-09
[30] JP (2015-158555) 2015-08-10

[11] **2,939,183**
[13] C
[51] **Int.Cl. B22F 9/24 (2006.01) B22F 9/26 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING SEED CRYSTALS USED FOR PRODUCING HYDROGEN-REDUCED NICKEL POWDER**
[54] **METHODE DE PRODUCTION DE CRISTAUX DE SEMENCE EMPLOYES POUR LA PRODUCTION DE POUDRE DE NICKEL A TENEUR REDUITE EN HYDROGENE**
[72] YONEYAMA, TOMOAKI, JP
[72] HEGURI, SHIN-ICHI, JP
[72] OHARA, HIDEKI, JP
[72] IKEDA, OSAMU, JP
[72] KUDO, YOHEI, JP
[73] SUMITOMO METAL MINING CO., LTD., JP
[85] 2016-08-09
[86] 2015-02-03 (PCT/JP2015/052908)
[87] (WO2015/122315)
[30] JP (2014-027899) 2014-02-17

[11] **2,940,085**
[13] C
[51] **Int.Cl. G01C 25/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR DETERMINING NAVIGATION DATA**
[54] **PROCEDE ET DISPOSITIF POUR DETERMINER DES DONNEES DE NAVIGATION**
[72] HULLENKREMER, MANFRED, DE
[72] KRINGS, MANFRED, DE
[73] NORTHROP GRUMMAN LITEF GMBH, DE
[85] 2016-08-18
[86] 2015-03-06 (PCT/EP2015/000507)
[87] (WO2015/135638)
[30] DE (10 2014 004 060.7) 2014-03-10

[11] **2,940,302**
[13] C
[51] **Int.Cl. A61F 9/008 (2006.01) A61B 18/20 (2006.01) B23K 26/00 (2014.01) B23K 26/067 (2006.01) B29C 59/16 (2006.01)**
[25] EN
[54] **TECHNIQUE FOR PHOTODISRUPTIVE MULTI-PULSE TREATMENT OF A MATERIAL**
[54] **TECHNIQUE DE TRAITEMENT PHOTO-PERTURBATEUR A IMPULSIONS MULTIPLES D'UN MATERIAU**
[72] VOGLER, KLAUS, DE
[72] DONITZKY, CHRISTOF, DE
[73] WAVELIGHT GMBH, DE
[85] 2016-08-22
[86] 2014-05-07 (PCT/EP2014/059306)
[87] (WO2015/169349)

[11] **2,940,608**
[13] C
[51] **Int.Cl. E21B 33/04 (2006.01) E21B 33/047 (2006.01) E21B 41/00 (2006.01) E21B 7/08 (2006.01)**
[25] EN
[54] **EROSION-RESISTANT MULTILATERAL JUNCTIONS**
[54] **JONCTIONS MULTILATERALES RESISTANT A L'EROSION**
[72] PENDLETON, BRYAN P., US
[73] BAKER HUGHES INCORPORATED, US
[86] (2940608)
[87] (2940608)
[22] 2016-08-30
[30] US (14/934530) 2015-11-06

[11] **2,941,007**
[13] C
[51] **Int.Cl. B65D 47/34 (2006.01) B05B 1/02 (2006.01) B05B 11/00 (2006.01)**
[25] EN
[54] **TRIGGER-TYPE FLUID JETTING DEVICE**
[54] **APPAREIL A JET DE LIQUIDE DE TYPE A GACHETTE**
[72] FUJIWARA, KOTARO, JP
[72] NAKAMURA, HIROYUKI, JP
[72] IIZUKA, SHIGEO, JP
[73] YOSHINO KOGYOSHO CO., LTD., JP
[85] 2016-08-26
[86] 2015-02-25 (PCT/JP2015/000959)
[87] (WO2015/129268)
[30] JP (2014-039964) 2014-02-28

[11] **2,943,196**
[13] C
[51] **Int.Cl. B27L 11/00 (2006.01)**
[25] EN
[54] **MATERIAL REDUCTION SYSTEM AND PROCESSING TOOLS FOR A MATERIAL PROCESSING MACHINE**
[54] **SYSTEME DE REDUCTION DE MATERIAU ET OUTILS DE TRAITEMENT DESTINES A UNE MACHINE DE TRAITEMENT DE MATERIAU**
[72] DAVIS, DERRICK LEE, US
[73] BANDIT INDUSTRIES, INC., US
[86] (2943196)
[87] (2943196)
[22] 2016-09-27
[30] US (62/233,392) 2015-09-27

[11] **2,943,337**
[13] C
[51] **Int.Cl. B05B 5/025 (2006.01) B05B 5/04 (2006.01)**
[25] EN
[54] **ELECTROSTATIC COATING DEVICE**
[54] **DISPOSITIF DE REVETEMENT ELECTROSTATIQUE**
[72] KIKUCHI, TAKASHI, JP
[72] SUDO, NORIHIKO, JP
[72] SHOJI, MASAAKI, JP
[72] KOKUBO, TOSHIYUKI, JP
[72] IKEDA, KOJI, JP
[72] TAKAHASHI, HIROAKI, JP
[73] HONDA MOTOR CO., LTD., JP
[85] 2016-09-20
[86] 2015-03-24 (PCT/JP2015/058895)
[87] (WO2015/146970)
[30] JP (2014-062280) 2014-03-25

[11] **2,947,524**
[13] C
[51] **Int.Cl. H05K 7/20 (2006.01) G09F 9/30 (2006.01)**
[25] EN
[54] **BACK TO BACK ELECTRONIC DISPLAY ASSEMBLY**
[54] **ENSEMBLE D'AFFICHAGE ELECTRONIQUE DOS A DOS**
[72] DUNN, WILLIAM, US
[72] DIAZ, MARCOS, US
[72] AZEVEDO, KYLE, US
[73] MANUFACTURING RESOURCES INTERNATIONAL, INC., US
[85] 2016-10-28
[86] 2015-04-30 (PCT/US2015/028461)
[87] (WO2015/168375)
[30] US (61/986,724) 2014-04-30

[11] **2,949,818**
[13] C
[51] **Int.Cl. F02C 7/06 (2006.01) F02C 7/32 (2006.01) F16H 57/04 (2010.01) F16N 9/02 (2006.01)**
[25] FR
[54] **GEARBOX OF AIRCRAFT TURBINE ENGINE**
[54] **BOITE D'ENGRENAGES DE TURBOMACHINE D'AERONEF**
[72] LEPRETRE, JEAN-BAPTISTE ETIENNE BERNARD, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2016-11-21
[86] 2015-05-22 (PCT/FR2015/051374)
[87] (WO2015/177487)
[30] FR (1454679) 2014-05-23

[11] **2,953,983**
[13] C
[51] **Int.Cl. G01R 33/54 (2006.01) G01R 33/561 (2006.01) H03M 1/12 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MAGNETIC RESONANCE IMAGE ACQUISITION**
[54] **SYSTEME ET PROCEDE POUR L'ACQUISITION D'IMAGES PAR RESONANCE MAGNETIQUE**
[72] PIRON, CAMERON, CA
[72] PANTHER, ALEXANDER GYLES, CA
[72] HARRIS, CHAD TYLER, CA
[72] MCFADYEN, STEVE, CA
[73] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[85] 2016-12-23
[86] 2014-09-15 (PCT/CA2014/000692)
[87] (WO2016/041047)

[11] **2,955,736**
[13] C
[51] **Int.Cl. F02C 9/46 (2006.01) F01D 21/14 (2006.01) F02C 7/232 (2006.01)**
[25] FR
[54] **METHOD FOR CONTROLLING A BISTABLE SHUTOFF VALVE FOR AN AIRCRAFT ENGINE**
[54] **PROCEDE DE COMMANDE D'UNE VANNE D'ARRET BISTABLE POUR MOTEUR D'AERONEF**
[72] BUJON, IRENE, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2017-01-17
[86] 2015-07-16 (PCT/FR2015/051957)
[87] (WO2016/009155)
[30] FR (1456953) 2014-07-18

[11] **2,957,833**
[13] C
[51] **Int.Cl. H02M 7/483 (2007.01)**
[25] EN
[54] **METHOD OF CONTROLLING THE SWITCHING OF A MULTILEVEL CONVERTER, A CONTROLLER FOR A MULTILEVEL CONVERTER, AND A COMPUTER PROGRAM FOR CONTROLLING A CONVERTER**
[54] **PROCEDE DE COMMANDE DE LA COMMUTATION D'UN CONVERTISSEUR A NIVEAUX MULTIPLES, DISPOSITIF DE COMMANDE POUR CONVERTISSEUR A NIVEAUX MULTIPLES, ET PROGRAMME INFORMATIQUE PERMETTANT DE COMMANDER UN CONVERTISSEUR**
[72] TOWNSEND, CHRISTOPHER, SE
[72] ZELAYA DE LA PARRA, HECTOR, SE
[73] ABB SCHWEIZ AG, CH
[85] 2017-02-10
[86] 2014-08-11 (PCT/EP2014/067161)
[87] (WO2016/023572)

[11] **2,959,562**
[13] C
[51] **Int.Cl. H04L 12/733 (2013.01)**
[25] EN
[54] **A NETWORK ENTITY FOR GEOGRAPHICALLY ROUTING A DATA PACKET TOWARDS A MOBILE DEVICE OVER A COMMUNICATION NETWORK**
[54] **ENTITE DE RESEAU POUR LE ROUTAGE GEOGRAPHIQUE D'UN PAQUET DE DONNEES A UN DISPOSITIF MOBILE VIA UN RESEAU DE COMMUNICATIONS**
[72] KRENDZEL, ANDREY, SE
[72] GINZBOORG, PHILIP, SE
[72] GELABERT, XAVIER, SE
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-02-28
[86] 2014-10-10 (PCT/EP2014/071788)
[87] (WO2016/055125)

[11] **2,960,010**
[13] C
[51] **Int.Cl. C09K 8/42 (2006.01) E21B 33/13 (2006.01)**
[25] EN
[54] **LIQUID ANTI-SHRINKAGE AGENT FOR CEMENT**
[54] **AGENT LIQUIDE ANTI-RETRAIT POUR CIMENT**
[72] AGAPIOU, KYRIACOS, US
[72] HARRIS, CODY GLENN, US
[72] LEWIS, SAMUEL J., US
[72] PISKLAK, THOMAS JASON, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-03-02
[86] 2014-11-07 (PCT/US2014/064563)
[87] (WO2016/073000)

[11] **2,960,764**
[13] C
[51] **Int.Cl. G01R 33/46 (2006.01)**
[25] EN
[54] **METHOD FOR EXTRACTING INFORMATION ENCODED IN A RESULT OF AN NMR MEASUREMENT**
[54] **PROCEDE POUR EXTRAIRE DES INFORMATIONS CODEES DANS UN RESULTAT D'UNE MESURE RMN**
[72] HUBER, FRITZ, DE
[72] PFAHLERT, VOLKER, DE
[73] NUMARES AG, DE
[85] 2017-03-09
[86] 2015-09-11 (PCT/EP2015/070837)
[87] (WO2016/038190)
[30] DE (10 2014 218 354.5) 2014-09-12

[11] **2,961,365**
[13] C
[51] **Int.Cl. E02B 7/02 (2006.01)**
[25] EN
[54] **DEPLOYABLE FLEXIBLE FLOOD MITIGATION WALL**
[54] **PAROI D'ATTENUATION D'INONDATION SOUPLE ET DEPLOYABLE**
[72] CADOGAN, DAVID PHILLIP, US
[72] HINKLE, JONATHAN MICHAEL, US
[72] SANDY, CHARLES RALPH, US
[72] KNOLL, CARL FRANK, US
[73] ILC DOVER LP, US
[85] 2017-03-14
[86] 2014-10-16 (PCT/US2014/060894)
[87] (WO2016/043785)
[30] US (14/490,058) 2014-09-18

[11] **2,966,320**
[13] C
[51] **Int.Cl. E02D 29/02 (2006.01)**
[25] EN
[54] **CONSTRUCTION METHOD FOR BAND TYPE FIBER REINFORCING MATERIAL FOR REINFORCED-SOIL RETAINING-WALL**
[54] **METHODE DE CONSTRUCTION DE MATERIAU DE RENFORT FIBREUX DE TYPE BANDE DESTINE AU MUR DE SOUTENEMENT RENFORCE**
[72] LEE, JEUNG SU, KR
[73] HANFORCE CO., LTD, KR
[85] 2017-04-28
[86] 2015-03-12 (PCT/KR2015/002386)
[87] (WO2016/093432)
[30] KR (10-2014-0178293) 2014-12-11
[30] KR (10-2015-0003151) 2015-01-09
[30] KR (10-2015-0014728) 2015-01-30
[30] KR (10-2015-0021010) 2015-02-11
[30] KR (10-2015-0031453) 2015-03-06
[30] KR (10-2015-0033894) 2015-03-11

[11] ***2,966,953**
[13] C
[51] **Int.Cl. B63B 29/00 (2006.01) B63B 35/44 (2006.01) B63J 3/00 (2006.01)**
[25] EN
[54] **A MARINE VESSEL WITH COMBUSTION ROOM**
[54] **UNE EMBARCATION DOTEE D'UNE SALLE DE COMBUSTION**
[72] JOEL, KEVIN, CA
[73] JOEL, KEVIN, CA
[86] (2966953)
[87] (2966953)
[22] 2017-05-10

[11] **2,968,341**
[13] C
[51] **Int.Cl. C22B 59/00 (2006.01) C01F 17/00 (2006.01) C22B 1/02 (2006.01) C22B 3/08 (2006.01) C22B 3/42 (2006.01) C22B 3/44 (2006.01)**
[25] EN
[54] **METHOD FOR RECOVERING HIGH-PURITY SCANDIUM**
[54] **PROCEDE DE RECUPERATION DE SCANDIUM HAUTE PURETE**
[72] MATSUOKA, ITSUMI, JP
[72] NAGAI, HIDEMASA, JP
[72] KUDO, KEIJI, JP
[72] MATSUMOTO, SHIN-YA, JP
[72] HIGAKI, TATSUYA, JP
[72] OZAKI, YOSHITOMO, JP
[72] SHOUJI, HIROFUMI, JP
[72] KOBAYASHI, HIROSHI, JP
[73] SUMITOMO METAL MINING CO., LTD., JP
[85] 2017-05-18
[86] 2015-11-25 (PCT/JP2015/083020)
[87] (WO2016/084830)
[30] JP (2014-239086) 2014-11-26
[30] JP (2015-229343) 2015-11-25

[11] **2,968,428**
[13] C
[51] **Int.Cl. B32B 5/26 (2006.01) A47L 13/16 (2006.01) A47L 13/20 (2006.01) B32B 37/10 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR FORMING COMPRESSION-BONDING PORTION TO CONTINUOUS BODY OF WEB MEMBER WITH FIBER BUNDLE**
[54] **PROCEDE DE FORMATION DE PARTIES SERTIES DANS UN CORPS CONTINU D'ELEMENT EN BANDE AYANT DES PAQUETS DE FIBRES, ET DISPOSITIF DE FORMATION**
[72] HOSHIKA, KAZUHIKO, JP
[72] ISHIKAWA, YOSHIHIDE, JP
[72] NOBUKUNI, HISAOKI, JP
[73] UNICHARM CORPORATION, JP
[85] 2017-05-01
[86] 2014-11-28 (PCT/JP2014/081625)
[87] (WO2016/084251)

[11] **2,968,962**
[13] C
[51] **Int.Cl. E21B 33/12 (2006.01) E21B 23/06 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **THERMAL MEMORY SPACING SYSTEM**
[54] **SYSTEME D'ESPACEMENT A MEMOIRE THERMIQUE**
[72] FLORES, JUAN CARLOS, US
[72] DOLOG, ROSTYSLAV, US
[73] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2017-05-25
[86] 2015-11-13 (PCT/US2015/060666)
[87] (WO2016/085677)
[30] US (14/553,536) 2014-11-25

[11] **2,969,353**
[13] C
[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
[73] 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

[11] **2,969,755**
[13] C
[51] **Int.Cl. G06F 15/16 (2006.01) G06F 9/50 (2006.01)**
[25] EN
[54] **TYPE-TO-TYPE ANALYSIS FOR CLOUD COMPUTING TECHNICAL COMPONENTS**
[54] **ANALYSE DE TYPE A TYPE DE COMPOSANTS TECHNIQUES INFONUAGIQUES**
[72] CIMPRICH, PATRICK FRANCIS, US
[72] DELUCA, MICHAEL GERALD, US
[72] CANTWELL, JACK Q.W., US
[72] PETERSON, SEAN DAVID, US
[72] WELLS, MARSHALL J., US
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
[85] 2017-06-02
[86] 2015-12-04 (PCT/EP2015/078653)
[87] (WO2016/087640)
[30] US (62/088,474) 2014-12-05
[30] US (14/832,679) 2015-08-21
[30] US (14/832,458) 2015-08-21
[30] US (14/832,516) 2015-08-21
[30] US (14/832,548) 2015-08-21
[30] US (14/832,598) 2015-08-21
[30] US (14/832,652) 2015-08-21

[11] **2,969,977**
[13] C
[51] **Int.Cl. D06F 75/18 (2006.01)**
[25] EN
[54] **PORTABLE HANDHELD STEAMER APPARATUS**
[54] **APPAREIL A VAPEUR PORTATIF**
[72] KAM, FAI FUNG, CN
[73] CONAIR CORPORATION, US
[85] 2017-06-06
[86] 2014-12-08 (PCT/CN2014/093302)
[87] (WO2016/090538)

[11] **2,970,692**
[13] C
[51] **Int.Cl. G06K 9/78 (2006.01) G06Q 50/34 (2012.01)**
[25] EN
[54] **SYSTEMS, METHODS AND DEVICES FOR MONITORING BETTING ACTIVITIES**
[54] **SYSTEMES, METHODES ET DISPOSITIFS DESTINES A SURVEILLER LES ACTIVITES DE PARI**
[72] BULZACKI, ADRIAN, CA
[72] CAZAN, VLAD, CA
[73] ARB LABS INC., CA
[86] (2970692)
[87] (2970692)
[22] 2016-04-15
[62] 2,947,969
[30] US (62/168,395) 2015-05-29
[30] US (62/298,154) 2016-02-22

[11] **2,972,665**
[13] C
[51] **Int.Cl. C10G 1/04 (2006.01) C10C 3/08 (2006.01)**
[25] EN
[54] **PARAFFINIC FROTH TREATMENT**
[54] **TRAITEMENT DE MOUSSE PARAFFINIQUE**
[72] LEE, ANITA S., US
[72] SUTTON, CLAY R., US
[72] CHEN, CHIEN-CHIANG, US
[72] ABEL, KEITH A., US
[72] NAIR, HARI, US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[73] IMPERIAL OIL RESOURCES LIMITED, CA
[86] (2972665)
[87] (2972665)
[22] 2016-04-28
[62] 2,928,380

[11] **2,973,982**
[13] C
[51] **Int.Cl. C08G 61/12 (2006.01) A01N 25/10 (2006.01) A01P 1/00 (2006.01) C08G 61/02 (2006.01)**
[25] EN
[54] **CONJUGATED POLYELECTROLYTES AND METHODS OF USING THE SAME**
[54] **POLYELECTROLYTES CONJUGUES ET LEURS PROCEDES D'UTILISATION**
[72] WHITTEN, DAVID G., US
[72] PAPPAS, HARRY CRAIG, US
[72] HILL, ERIC H., ES
[72] SCHANZE, KIRK S., US
[72] PARTHASARATHY, ANAND, US
[72] HUANG, YUN, US
[72] CORBITT, THOMAS S., US
[73] STC.UNM, US
[73] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US
[85] 2017-07-14
[86] 2016-01-14 (PCT/US2016/013431)
[87] (WO2016/115362)
[30] US (62/103,244) 2015-01-14
[30] US (62/109,455) 2015-01-29
[30] US (62/130,301) 2015-03-09

[11] **2,974,013**
[13] C
[51] **Int.Cl. E21B 43/119 (2006.01) E21B 43/118 (2006.01) E21B 43/263 (2006.01)**
[25] EN
[54] **LIMITED ENTRY PHASED PERFORATING GUN SYSTEM AND METHOD**
[54] **SYSTEME PERFORATEUR A ENTREE LIMITEE A COMMANDE DE PHASE ET PROCEDE**
[72] HARDESTY, JOHN T., US
[72] CLARK, NATHAN G., US
[72] ROLLINS, JAMES A., US
[72] WESSON, DAVID S., US
[73] GEODYNAMICS, INC., US
[85] 2017-07-14
[86] 2016-01-15 (PCT/US2016/013579)
[87] (WO2016/115452)
[30] US (14/598,868) 2015-01-16

[11] **2,977,730**
[13] C
[51] **Int.Cl. B61L 27/00 (2006.01) G01C 21/14 (2006.01)**
[25] EN
[54] **GUIDEWAY MOUNTED VEHICLE LOCALIZATION SYSTEM**
[54] **SYSTEME DE LOCALISATION D'UN VEHICULE MONTE SUR VOIE DE GUIDAGE**
[72] GREEN, ALON, CA
[72] IGNATIUS, RODNEY, CA
[72] WHITWAM, FIRTH, CA
[72] KINIO, WALTER, CA
[72] DIMMER, DAVID, CA
[72] GEORGESCU, MIRCEA, CA
[73] THALES CANADA INC., CA
[85] 2017-08-24
[86] 2016-03-01 (PCT/IB2016/051132)
[87] (WO2016/139580)
[30] US (14/639,290) 2015-03-05

[11] **2,978,116**
[13] C
[51] **Int.Cl. G05G 5/00 (2006.01) A01C 1/06 (2006.01) B05B 5/00 (2006.01) B05D 1/06 (2006.01) C05G 1/00 (2006.01) C05G 3/00 (2006.01)**
[25] EN
[54] **ELECTROSTATIC ADHESION OF DRY POWDERS TO MACRO FERTILIZERS**
[54] **ADHERENCE ELECTROSTATIQUE DE POUDRES SECHES A DES MACRO-ENGRAIS**
[72] MCILRATH, MICHAEL, CA
[73] COMPASS MINERALS MANITOBA, INC., CA
[85] 2017-08-29
[86] 2016-03-10 (PCT/CA2016/050262)
[87] (WO2016/141486)
[30] US (14/643,738) 2015-03-10

[11] **2,981,770**
[13] C
[51] **Int.Cl. H01F 38/14 (2006.01) B60L 5/00 (2006.01)**
[25] EN
[54] **COIL UNIT FOR CONTACTLESS POWER TRANSMISSION**
[54] **UNITE DE BOBINE DE TRANSMISSION D'ENERGIE SANS CONTACT**
[72] MAIKAWA, KENGO, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2017-10-04
[86] 2015-04-08 (PCT/JP2015/060923)
[87] (WO2016/162965)

[11] **2,983,135**
[13] C
[51] **Int.Cl. A01D 87/00 (2006.01) A01D 87/12 (2006.01) A01F 29/00 (2006.01)**
[25] EN
[54] **TWINE SHEAR FOR A BALE PROCESSOR**
[54] **APPAREIL DE RETOURNEMENT DE BALLES DESTINE A UN APPAREIL DE TRAITEMENT DE BALLES**
[72] NEUDORF, BLAKE, CA
[72] SUMMACH, MONTGOMERIE, CA
[72] DOKKEN, JOEL, CA
[72] KONDRA, GENE, CA
[73] HIGHLINE MANUFACTURING LTD., CA
[86] (2983135)
[87] (2983135)
[22] 2016-02-11
[62] 2,920,470

[11] **2,983,141**
[13] C
[51] **Int.Cl. F16K 7/04 (2006.01)**
[25] EN
[54] **SLEEVE FOR USE IN A PINCH VALVE**
[54] **MANCHON DESTINE A UN ROBINET A MANCHON**
[72] ST-LAURENT, PATRICE, CA
[73] PROTO FUSION, INC., CA
[85] 2017-10-19
[86] 2017-05-16 (PCT/CA2017/050590)
[87] (2983141)
[30] US (62/338,106) 2016-05-18

[11] **2,983,494**
[13] C
[51] **Int.Cl. B64G 1/64 (2006.01) B64G 1/10 (2006.01)**
[25] EN
[54] **STACKABLE SATELLITES AND METHOD OF STACKING SAME**
[54] **SATELLITES EMPILABLES ET LEUR PROCEDE D'EMPILAGE**
[72] ASKIJIAN, ARMEN, US
[72] FIELD, DANIEL W., US
[72] GROSSMAN, JAMES, US
[72] SMITH, ALEXANDER D., US
[73] WORLDVU SATELLITES LIMITED, US
[85] 2017-10-20
[86] 2016-04-27 (PCT/US2016/029509)
[87] (WO2016/176298)
[30] US (14/700,466) 2015-04-30

[11] **2,984,772**
[13] C
[51] **Int.Cl. G01N 15/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR IMAGE DATA PROCESSING**
[54] **PROCEDES ET SYSTEMES DE TRAITEMENT DE DONNEES IMAGE**
[72] ROTH, WAYNE D., US
[73] LUMINEX CORPORATION, US
[86] (2984772)
[87] (2984772)
[22] 2006-09-21
[62] 2,623,130
[30] US (60/719010) 2005-09-21

[11] **2,984,777**
[13] C
[51] **Int.Cl. G01N 15/00 (2006.01) G06T 7/30 (2017.01) G02B 21/36 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR IMAGE DATA PROCESSING**
[54] **PROCEDES ET SYSTEMES DE TRAITEMENT DE DONNEES IMAGE**
[72] ROTH, WAYNE D., US
[73] LUMINEX CORPORATION, US
[86] (2984777)
[87] (2984777)
[22] 2006-09-21
[62] 2,623,130
[30] US (60/719010) 2005-09-21

[11] **2,987,020**
[13] C
[51] **Int.Cl. E21B 47/18 (2012.01) G01L 23/00 (2006.01) G01P 5/00 (2006.01)**
[25] EN
[54] **MUD PULSE DETECTION USING DISTRIBUTED ACOUSTIC SENSING**
[54] **DETECTION D'IMPULSION DE BOUE A L'AIDE DE DETECTION ACOUSTIQUE DISTRIBUEE**
[72] ELLMAUTHALER, ANDREAS, BR
[72] NUNES, LEONARDO DE OLIVEIRA, BR
[72] SKINNER, NEAL GREGORY, US
[72] STOKELY, CHRISTOPHER LEE, US
[72] BARFOOT, DAVID ANDREW, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-11-23
[86] 2015-08-14 (PCT/US2015/045295)
[87] (WO2017/030534)

[11] **2,988,048**
[13] C
[51] **Int.Cl. F02D 41/34 (2006.01) F02D 41/02 (2006.01) F02D 41/06 (2006.01) F02D 43/00 (2006.01)**
[25] EN
[54] **INTERNAL COMBUSTION ENGINE CONTROL DEVICE AND INTERNAL COMBUSTION ENGINE CONTROL METHOD**
[54] **DISPOSITIF ET PROCEDE DE COMMANDE POUR MOTEUR A COMBUSTION INTERNE**
[72] TANAKA, DAISUKE, JP
[72] UCHIDA, RYO, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2017-12-01
[86] 2015-06-03 (PCT/JP2015/066086)
[87] (WO2016/194184)

Canadian Applications Open to Public Inspection

March 18, 2018 to March 24, 2018

Demandes canadiennes mises à la disponibilité du public

18 mars 2018 au 24 mars 2018

---

[21] **2,942,228**
[13] A1
[51] **Int.Cl. G06F 21/00 (2013.01) G06Q 20/38 (2012.01) G09C 1/00 (2006.01)**
[25] EN
[54] **CRYPTOGRAPHIC SMART ENVELOPE**
[54] **ENVELOPPE INTELLIGENTE CRYPTOGRAPHIQUE**
[72] UNKNOWN, ZZ
[72] UNKNOWN, ZZ
[71] DAVIES, MARY P., CA
[22] 2016-09-19
[41] 2018-03-19

---

[21] **2,942,229**
[13] A1
[51] **Int.Cl. G06F 21/00 (2013.01) G06Q 20/38 (2012.01) G09C 1/00 (2006.01)**
[25] EN
[54] **ULTIMATE ASSET DISTRIBUTION CRYPTOGRAPHIC TOKEN PROTOCOL**
[54] **PROTOCOLE DE JETON CRYPTOGRAPHIQUE A DISTRIBUTION D'ACTIF ULTIME**
[72] UNKNOWN, ZZ
[71] DAVIES, MARY P., CA
[22] 2016-09-19
[41] 2018-03-19

---

[21] **2,942,257**
[13] A1
[51] **Int.Cl. H04N 19/85 (2014.01) H04N 19/17 (2014.01) H04N 19/176 (2014.01) H04N 19/182 (2014.01) H04N 19/23 (2014.01) H04N 19/436 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR BALANCING COMPRESSION RATIO WITH PROCESSING LATENCY**
[54] **METHODES ET SYSTEMES D'EQUILIBRAGE DU RAPPORT DE COMPRESSION AVEC TRAITEMENT DE LATENCE**
[72] BOISVERT, ERIC, CA
[72] HOSSEINI, MOJTABA, CA
[71] PLEORA TECHNOLOGIES INC., CA
[22] 2016-09-19
[41] 2018-03-19

---

[21] **2,942,309**
[13] A1
[51] **Int.Cl. G01S 19/03 (2010.01)**
[25] EN
[54] **NAVIGATION DEVICE**
[54] **APPAREIL DE NAVIGATION**
[72] BOUCHER, REYNOLD, CA
[72] BUIE, JASON, CA
[72] ABLITT, DONALD WAYNE, CA
[71] JANNATEC TECHNOLOGIES, CA
[22] 2016-09-19
[41] 2018-03-19

---

[21] **2,942,325**
[13] A1
[51] **Int.Cl. G06F 17/00 (2006.01) G06F 17/30 (2006.01)**
[25] EN
[54] **COMPUTER GENERATION OF DECISION TREES**
[54] **GENERATION PAR ORDINATEUR D'ARBORESCENCES DE DECISION**
[72] APRILE, PETER, CA
[72] WORSFOLD, NATALIE, CA
[71] 2536269 ONTARIO INC., CA
[22] 2016-09-19
[41] 2018-03-19

---

[21] **2,942,479**
[13] A1
[51] **Int.Cl. B60S 3/04 (2006.01) F26B 5/00 (2006.01)**
[25] EN
[54] **VEHICLE AIR DRYER**
[54] **SECHOIR DE VEHICULE**
[72] PEDERSEN, MORTEN V., CA
[71] M V PEDERSEN ENGINEERING INC., CA
[22] 2016-09-21
[41] 2018-03-21

---

[21] **2,942,480**
[13] A1
[51] **Int.Cl. B62B 1/18 (2006.01)**
[25] EN
[54] **WHEELBARROW**
[54] **BROUETTE**
[72] DETTNER, TERRY, CA
[72] JOHNSON, STEVE, CA
[71] 9875549 CANADA INC., CA
[22] 2016-09-20
[41] 2018-03-20

---

[21] **2,942,486**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 33/00 (2006.01) A61P 3/02 (2006.01)**
[25] EN
[54] **VITALITY STICK SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE BATON DE VITALITE**
[72] HARVIE, SHEILA ERIN, CA
[71] HARVIE, SHEILA ERIN, CA
[22] 2016-09-20
[41] 2018-03-19
[30] US (15/269,918) 2016-09-19

[21] **2,942,493**
[13] A1
[51] **Int.Cl. C08L 23/08 (2006.01) C08K 5/092 (2006.01) C08L 23/06 (2006.01)**
[25] EN
[54] **NUCLEATED POLYETHYLENE BLENDS AND THEIR USE IN MOLDED ARTICLES**
[54] **MELANGES DE POLYETHYLENE NUCLEE ET LEURS UTILISATIONS DANS LES ARTICLES MOULES**
[72] WANG, XIAOCHUAN, CA
[71] NOVA CHEMICALS CORPORATION, CA
[22] 2016-09-20
[41] 2018-03-20

---

[21] **2,942,495**
[13] A1
[51] **Int.Cl. E21B 33/04 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **TUBING ROTATOR**
[54] **ROTATEUR DE TUBE**
[72] MORRISON, MYLES R., CA
[71] BOON ENERGY SERVICES INC., CA
[22] 2016-09-21
[41] 2018-03-21

---

[21] **2,942,500**
[13] A1
[51] **Int.Cl. G07F 17/32 (2006.01) G06Q 30/02 (2012.01) B66B 31/00 (2006.01) G07B 1/00 (2006.01) G07F 17/42 (2006.01) G09F 23/14 (2006.01)**
[25] EN
[54] **ESCALATOR PROFIT SYSTEM (EPS)**
[54] **SYSTEME DE RENTABILITE CROISSANTE**
[72] SULLIVAN, BENJAMIN ALLEN, CA
[71] SULLIVAN, BENJAMIN ALLEN, CA
[22] 2016-09-20
[41] 2018-03-20

---

[21] **2,942,503**
[13] A1
[51] **Int.Cl. G06Q 10/10 (2012.01)**
[25] EN
[54] **BUSINESS APPLICATION SYSTEM (BAS) SOFTWARE PATENT APPLICATION**
[54] **DEMANDE DE BREVET DE LOGICIEL DE SYSTEME D'APPLICATION COMMERCIALE**
[72] SULLIVAN, BENJAMIN A., CA
[71] SULLIVAN, BENJAMIN A., CA
[22] 2016-09-20
[41] 2018-03-20

---

[21] **2,942,592**
[13] A1
[51] **Int.Cl. F01N 3/08 (2006.01) F01N 13/08 (2010.01) F01N 3/00 (2006.01)**
[25] EN
[54] **EMISSION CONTROL DEVICE**
[54] **DISPOSITIF DE CONTROLE D'EMISSIONS**
[72] KENT, GORDON, CA
[71] KENT, GORDON, CA
[22] 2016-09-19
[41] 2018-03-19

---

[21] **2,942,640**
[13] A1
[51] **Int.Cl. F04B 19/06 (2006.01) A47K 5/12 (2006.01)**
[25] EN
[54] **PUMP FOR UNDER COUNTER DISPENSING SYSTEM**
[54] **POMPE DESTINEE A UN DISPOSITIF DE DISTRIBUTEUR SOUS PLAN**
[72] OPHARDT, HEINER, CH
[72] JONES, ANDREW, CA
[72] TEN, VALERY, CA
[71] OP-HYGIENE IP GMBH, CH
[22] 2016-09-21
[41] 2018-03-21

---

[21] **2,942,662**
[13] A1
[51] **Int.Cl. D03D 17/00 (2006.01) D03D 3/02 (2006.01)**
[25] EN
[54] **COMPRESSION FABRIC**
[54] **TISSU DE COMPRESSION TISSE**
[72] LAPENAT, DAVID, CA
[72] GLIECA, ANNA, CA
[71] LAPENAT, DAVID, CA
[71] GLIECA, ANNA, CA
[22] 2016-09-21
[41] 2018-03-21

---

[21] **2,942,720**
[13] A1
[51] **Int.Cl. A61K 35/745 (2015.01) A61K 35/741 (2015.01) A61P 1/00 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **SYNTHETIC STOOL PREPARATIONS**
[54] **PREPARATIONS DE FECES SYNTHETIQUES**
[72] PETROF, ELAINE OLGA, CA
[71] QUEEN'S UNIVERSITY AT KINGSTON, CA
[71] KINGSTON GENERAL HOSPITAL, CA
[22] 2016-09-22
[41] 2018-03-22

---

[21] **2,943,059**
[13] A1
[51] **Int.Cl. A45B 3/02 (2006.01) A61H 3/00 (2006.01) A61H 3/02 (2006.01) F21L 4/00 (2006.01) F21V 33/00 (2006.01)**
[25] EN
[54] **WALKING AID SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE D'ASSISTANCE A LA MARCHE**
[72] SARAUER, RODNEY P., CA
[71] SARAUER, RODNEY P., CA
[22] 2016-09-26
[41] 2018-03-23
[30] CA (15275142) 2016-09-23

[21] **2,943,066**
[13] A1
[51] **Int.Cl. B60P 1/02 (2006.01) B60P 1/44 (2006.01) B60P 1/48 (2006.01)**
[25] EN
[54] **PICK-UP TRUCK CARGO LIFT SYSTEM AND METHOD**
[54] **SYSTEME DE SOULEVEMENT DE CHARGEMENT D'UN CAMION ET METHODE**
[72] SAWATZKY, BERNARDO, CA
[71] SAWATZKY, BERNARDO, CA
[22] 2016-09-26
[41] 2018-03-22
[30] US (15273507) 2016-09-22

---

[21] **2,943,095**
[13] A1
[51] **Int.Cl. A63B 59/70 (2015.01)**
[25] FR
[54] **DEVICE INSIDE THE BLADE OF A HOCKEY STICK**
[54] **DISPOSITIF A L'INTERIEUR D'UNE PALETTE DE BATON DE HOCKEY**
[72] TREMBLAY, VINCENT, CA
[71] TREMBLAY, VINCENT, CA
[22] 2016-09-23
[41] 2018-03-23

---

[21] **2,943,096**
[13] A1
[51] **Int.Cl. A01D 90/00 (2006.01) A01D 90/12 (2006.01)**
[25] EN
[54] **BALE TRANSPORTING DEVICE**
[54] **DISPOSITIF DE TRANSPORT DE BALLOTS**
[72] ISAAC, LAUREN R., CA
[71] ISAAC, LAUREN R., CA
[22] 2016-09-23
[41] 2018-03-23

---

[21] **2,943,103**
[13] A1
[51] **Int.Cl. G01N 33/532 (2006.01) C40B 30/04 (2006.01) G01N 33/48 (2006.01) G01N 33/53 (2006.01) C07K 17/14 (2006.01)**
[25] EN
[54] **HETEROBIFUNCTIONAL LINKER**
[54] **LIANT HETEROBIFONCTIONNEL**
[72] WISHART, DAVID SCOTT, CA
[72] AZYAT, KHALID, CA
[72] GOLEC, DANIEL, CA
[71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA
[22] 2016-09-23
[41] 2018-03-23

---

[21] **2,943,533**
[13] A1
[51] **Int.Cl. B29C 70/18 (2006.01)**
[25] EN
[54] **METHOD AND ASSEMBLY FOR MANUFACTURING DOOR SKIN AND WALL WITH DOORWAY**
[54] **METHODE ET ASSEMBLAGE DESTINES A LA FABRICATION D'UN REVETEMENT DE PORTE ET D'UN MUR D'ENTREE**
[72] TESSIER, SYLVAIN, CA
[72] LININGTON, BRYAN, CA
[72] DIONNE, JACQUES, CA
[72] GINGRAS, RICHARD, CA
[71] BELL HELICOPTER TEXTRON INC., US
[22] 2016-09-27
[41] 2018-03-23
[30] US (15/273,775) 2016-09-23

---

[21] **2,947,527**
[13] A1
[51] **Int.Cl. E04F 15/20 (2006.01) B32B 17/02 (2006.01) B32B 33/00 (2006.01) B32B 37/10 (2006.01) E04F 15/10 (2006.01)**
[25] EN
[54] **SOUND INSULATION AND NON-SLIP FLOORING MATERIAL AND METHOD OF PRODUCING THE SAME**
[54] **MATERIAU DE PLANCHER ISOLANT SONORE ET ANTIDERAPANT ET METHODE DE PRODUCTION ASSOCIEE**
[72] YUON, CHANG BO, JP
[71] DONGSHIN POLYMER CO., LTD., KR
[71] SHINKOKASEI CO., LTD., JP
[22] 2016-11-03
[41] 2018-03-23
[30] KR (10-2016-0121809) 2016-09-23

---

[21] **2,958,001**
[13] A1
[51] **Int.Cl. A63B 21/072 (2006.01)**
[25] EN
[54] **EXERCISE EQUIPMENT**
[54] **EQUIPEMENT D'EXERCICE**
[72] QAZZAZ, JALAL HAMDI, US
[71] QAZZAZ, JALAL HAMDI, US
[22] 2017-02-16
[41] 2018-03-20
[30] US (15271216) 2016-09-20

---

[21] **2,963,767**
[13] A1
[51] **Int.Cl. H04L 12/24 (2006.01) G06F 15/18 (2006.01) H04L 12/58 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ELECTRONIC COMMUNICATIONS**
[54] **SYSTEME ET METHODE DE COMMUNICATION ELECTRONIQUE**
[72] OLMSTEAD, GREGORY ANDREW, CA
[72] LEUNG, DAVID YUM KEI, CA
[72] KILIC, BURCU, CA
[72] ZHANG, YEHUI, CA
[72] SHARMA, AMIT, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2017-04-07
[41] 2018-03-22
[30] US (62/398,060) 2016-09-22

[21] **2,965,793**
[13] A1
[51] **Int.Cl. E02F 9/28 (2006.01) E02F 3/40 (2006.01)**
[25] EN
[54] **BUCKET, BLADE, LINER, OR CHUTE WITH VISUAL WEAR INDICATOR**
[54] **SEAU, LAME, REVETEMENT INTERIEUR OU GOULOTTE DOTE D'UN INDICATEUR D'USURE VISUEL**
[72] PRATT, WILLIAM K., US
[71] ROCKLAND MANUFACTURING COMPANY, US
[22] 2017-05-02
[41] 2018-03-23
[30] US (62/398,945) 2016-09-23
[30] US (15/449,412) 2017-03-03

[21] **2,967,616**
[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **BRAIN PENETRANT AMYLIN RECEPTOR BASED PEPTIDES FOR ALZHEIMER'S DISEASE**
[54] **RECEPTEUR D'AMYLINE PENETRANT LE CERVEAU FONDE SUR DES PEPTIDES ET DESTINE A LA MALADIE D'ALZHEIMER**
[72] JHAMANDAS, JACK, CA
[72] SOUDY, RANIA, CA
[72] KAUR, KAMALJIT, CA
[72] FU, WEN, CA
[72] MACTAVISH, DAVID, CA
[72] PATEL, AARTI, CA
[71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA
[22] 2017-05-18
[41] 2018-03-19
[30] US (62/396,370) 2016-09-19

[21] **2,968,556**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) H04N 21/235 (2011.01) H04N 21/254 (2011.01) H04N 21/80 (2011.01)**
[25] EN
[54] **ENVIRONMENTALLY REACTIVE RETAIL DISPLAY SYSTEM**
[54] **SYSTEME DE PRESENTOIR DE VENTE AU DETAIL REAGISSANT A L'ENVIRONNEMENT**
[72] KUCER, STEPHEN, US
[71] IMPAX MEDIA HOLDINGS USA INC., US
[22] 2017-05-26
[41] 2018-03-19
[30] US (15/256,234) 2016-09-19

[21] **2,969,677**
[13] A1
[51] **Int.Cl. B65D 43/22 (2006.01) B65D 25/28 (2006.01)**
[25] EN
[54] **CONTAINER**
[54] **RECIPIENT**
[72] HSIEH, FU-YU, TW
[71] HSIEH, FU-YU, CN
[22] 2017-06-06
[41] 2018-03-22
[30] TW (105214525) 2016-09-22

[21] **2,971,039**
[13] A1
[51] **Int.Cl. B01D 27/04 (2006.01) B01D 27/08 (2006.01) F02M 37/22 (2006.01)**
[25] EN
[54] **INTEGRAL FILTER CARTRIDGE AND CAP**
[54] **CARTOUCHE DE FILTRE INTEGRE ET CAPUCHON**
[72] LOZIER, THOMAS, US
[72] WEBB, JOSH, US
[71] ROLLS-ROYCE CORPORATION, US
[22] 2017-06-19
[41] 2018-03-23
[30] US (15/274,798) 2016-09-23

[21] **2,971,261**
[13] A1
[51] **Int.Cl. F02C 7/06 (2006.01) F01D 25/12 (2006.01) F01D 25/18 (2006.01) F02C 7/12 (2006.01) F02C 7/28 (2006.01)**
[25] EN
[54] **OIL DISTRIBUTOR**
[54] **DISTRIBUTEUR D'HUILE**
[72] LIGHTY, KERRY J., US
[71] ROLLS-ROYCE CORPORATION, US
[22] 2017-06-19
[41] 2018-03-23
[30] US (15/274,405) 2016-09-23

[21] **2,972,205**
[13] A1
[51] **Int.Cl. G07B 15/06 (2011.01)**
[25] EN
[54] **A METHOD FOR CAMERA-BASED TOLLING**
[54] **UNE METHODE DESTINEE AU PEAGE FONDE SUR UNE CAMERA**
[72] POVOLNY, ROBERT, AT
[71] KAPSCH TRAFFICCOM AG, AT
[22] 2017-06-30
[41] 2018-03-21
[30] EP (16 189 918.2) 2016-09-21

[21] **2,972,493**
[13] A1
[51] **Int.Cl. H04L 12/24 (2006.01) H04L 12/40 (2006.01)**
[25] EN
[54] **AUTOMATIC ADDRESSING OF NETWORKED NODES**
[54] **ADRESSAGE AUTOMATIQUE DE NOEUDS EN RESEAU**
[72] GANG, TRAVIS, US
[72] CARINI, PETER, US
[72] MCBRIDE, BENJAMIN D., US
[72] BURLEIGH, MATTHEW B., US
[72] FONTAINE, DAVID JOSEPH, US
[72] FITZHUGH, CHRISTOPHER, US
[71] SIMMONDS PRECISION PRODUCTS, INC., US
[22] 2017-06-29
[41] 2018-03-19
[30] US (15/269,399) 2016-09-19

[21] **2,972,730**
[13] A1
[51] **Int.Cl. G16H 20/60 (2018.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **DEVICE FOR PROVIDING HEALTH INFORMATION AND ADVICE TO SHOPPERS**
[54] **DISPOSITIF PERMETTANT DE FOURNIR DE L'INFORMATION SUR LA SANTE ET DES CONSEILS AUX ACHETEURS**
[72] VIERA, LUIS, US
[72] PEREZ, ARTURO, US
[72] FERNANDEZ, VANESSA, US
[71] ACH FOOD COMPANIES, INC., US
[22] 2017-07-07
[41] 2018-03-19
[30] US (15/269,198) 2016-09-19

[21] **2,973,995**
[13] A1
[51] **Int.Cl. B64C 9/08 (2006.01) B64C 3/50 (2006.01) B64C 13/28 (2006.01) F16H 21/10 (2006.01) F16H 55/26 (2006.01)**
[25] EN
[54] **A SLAT TRACK DEVICE FOR AN AIRCRAFT WING**
[54] **UN DISPOSITIF DE RAIL DE BEC DESTINE A UNE AILE D'AERONEF**
[72] SCHLIPF, BERNHARD, DE
[72] BENSMANN, STEFAN, DE
[72] WIESE, LUTZ, DE
[71] AIRBUS OPERATIONS GMBH, DE
[22] 2017-07-19
[41] 2018-03-23
[30] EP (16190503.9) 2016-09-23

[21] **2,974,133**
[13] A1
[51] **Int.Cl. A47K 10/48 (2006.01) B64D 11/02 (2006.01) B64D 13/00 (2006.01) F26B 19/00 (2006.01) F26B 21/02 (2006.01)**
[25] EN
[54] **HAND DRYER HAVING MANAGED AIR FLOW**
[54] **SECHOIR A MAINS OFFRANT LA GESTION DU FLUX D'AIR**
[72] SATERMO, ERIC K., US
[71] THE BOEING COMPANY, US
[22] 2017-07-20
[41] 2018-03-20
[30] US (15/270991) 2016-09-20

[21] **2,974,139**
[13] A1
[51] **Int.Cl. B64C 25/58 (2006.01) B64C 25/02 (2006.01) B64C 25/60 (2006.01)**
[25] EN
[54] **AIRCRAFT LANDING GEAR, AIRCRAFT, AND RELATED METHODS**
[54] **TRAIN D'ATTERRISSAGE D'AERONEF, AERONEF ET METHODES ASOCIEES**
[72] COTTET, JUSTIN DUANE, US
[72] CUSWORTH, JAMES E., US
[72] BRYANT, MALCOLM SCOTT, US
[72] SONNENBURG, GEORGE, US
[71] THE BOEING COMPANY, US
[22] 2017-07-20
[41] 2018-03-21
[30] US (15/271945) 2016-09-21

[21] **2,974,254**
[13] A1
[51] **Int.Cl. H05B 3/12 (2006.01) B82Y 30/00 (2011.01) H05B 3/56 (2006.01)**
[25] EN
[54] **BUS BAR ATTACHMENT FOR CARBON NANOTUBE HEATERS**
[54] **FIXATION DE BARRE DE BUS DESTINEE A DES APPAREILS DE CHAUFFAGE A NANOTUBE DE CARBONE**
[72] HU, JIN, US
[72] BOTURA, GALDEMIR CEZAR, US
[71] GOODRICH CORPORATION, US
[22] 2017-07-20
[41] 2018-03-20
[30] US (15/270,993) 2016-09-20

[21] **2,974,260**
[13] A1
[51] **Int.Cl. H05B 3/20 (2006.01) B64D 15/12 (2006.01)**
[25] EN
[54] **NANO ALUMINA FABRIC PROTECTION PLY FOR DE-ICERS**
[54] **PLI DE PROTECTION DE TISSU EN NANO ALUMINE DESTINE A DES DEGIVREURS**
[72] HU, JIN, US
[72] BOTURA, GALDEMIR CEZAR, US
[71] GOODRICH CORPORATION, US
[22] 2017-07-20
[41] 2018-03-20
[30] US (15/271,009) 2016-09-20

[21] **2,974,309**
[13] A1
[51] **Int.Cl. H05B 3/16 (2006.01) B82Y 30/00 (2011.01) B64D 15/12 (2006.01) F01D 25/02 (2006.01)**
[25] EN
[54] **THERMALLY CONDUCTIVE, ELECTRICALLY INSULATING PROTECTION LAYER FOR DE-ICING HEATERS**
[54] **COUCHE DE PROTECTION CONDUCTRICE THERMIQUEMENT, ISOLANTE ELECTRIQUEMENT DESTINEE A DES APPAREILS DE CHAUFFAGE DE DEGIVREURS**
[72] HU, JIN, US
[72] BOTURA, GALDEMIR CEZAR, US
[71] GOODRICH CORPORATION, US
[22] 2017-07-20
[41] 2018-03-20
[30] US (15/271,003) 2016-09-20

[21] **2,974,754**
[13] A1
[51] **Int.Cl. B60P 7/02 (2006.01) B62D 33/037 (2006.01)**
[25] EN
[54] **TONNEAU COVER SYSTEM WITH SIDE RAIL MOUNTED LATCHES AND A REAR HEADER MOUNTED RELEASE ACTUATOR**
[54] **SYSTEME DE COUVRE-TONNEAU A VERROUS MONTES SUR UN RAIL LATERAL ET ACTIONNEUR DE DEGAGEMENT DE RENFORT ARRIERE**
[72] SPENCER, MICHAEL R., US
[72] COHOON, WILLIAM R., US
[71] TRUXEDO, INC., US
[22] 2017-07-26
[41] 2018-03-20
[30] US (15/270,705) 2016-09-20

[21] **2,975,201**
[13] A1
[51] **Int.Cl. G01S 19/28 (2010.01) G01S 19/23 (2010.01)**
[25] EN
[54] **ARAIM CLUSTERING DISTRIBUTION IMPROVEMENT**
[54] **AMELIORATION DE DISTRIBUTION DE GROUPEMENT ARAIM**
[72] SKALICKY, JAKUB, US
[72] OREJAS, MARTIN, US
[72] RAASAKKA, JUSSI, US
[72] PFLEGER, MICHAL, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2017-08-01
[41] 2018-03-21
[30] US (15/599,445) 2017-05-18
[30] US (62/397,874) 2016-09-21

[21] **2,975,809**
[13] A1
[51] **Int.Cl. H04L 12/24 (2006.01) B60R 16/023 (2006.01)**
[25] EN
[54] **AUTOMATIC ADDRESSING OF NETWORKED NODES**
[54] **ADRESSAGE AUTOMATIQUE DE NOEUDS EN RESEAU**
[72] GANG, TRAVIS, US
[72] FITZHUGH, CHRISTOPHER, US
[72] CARINI, PETER, US
[72] MCBRIDE, BENJAMIN, US
[72] FONTAINE, DAVID JOSEPH, US
[72] BURLEIGH, MATTHEW B., US
[71] SIMMONDS PRECISION PRODUCTS, INC., US
[22] 2017-08-08
[41] 2018-03-19
[30] US (15/269,407) 2016-09-19

[21] **2,975,815**
[13] A1
[51] **Int.Cl. G01M 99/00 (2011.01) B64F 5/60 (2017.01) G01M 17/00 (2006.01)**
[25] EN
[54] **AUTOMATED STRUCTURAL INTERROGATION OF AIRCRAFT COMPONENTS**
[54] **INTERROGATION STRUCTURELLE AUTOMATISEE DE COMPOSANTES D'AERONEF**
[72] CARINI, PETER, US
[72] GANG, TRAVIS, US
[71] SIMMONDS PRECISION PRODUCTS, INC., US
[22] 2017-08-08
[41] 2018-03-19
[30] US (15/269,356) 2016-09-19

[21] **2,976,468**
[13] A1
[51] **Int.Cl. E05C 7/04 (2006.01)**
[25] EN
[54] **PASSIVE DOOR BOLT ASSEMBLY**
[54] **MECANISME DE PENE PASSIF**
[72] KENDALL, ADAM, US
[71] ENDURA PRODUCTS, INC., US
[22] 2017-08-16
[41] 2018-03-23
[30] US (15/274,036) 2016-09-23

[21] **2,976,556**
[13] A1
[51] **Int.Cl. B65H 75/22 (2006.01) B65H 16/02 (2006.01) B65H 75/02 (2006.01)**
[25] EN
[54] **COIL HOLDER**
[54] **SUPPORT DE BOBINE**
[72] GUERIN, PHILLIP M., US
[71] GUERIN, PHILLIP M., US
[22] 2017-08-16
[41] 2018-03-20
[30] US (15/270,576) 2016-09-20

[21] **2,976,558**
[13] A1
[51] **Int.Cl. E05C 7/04 (2006.01) E05B 17/02 (2006.01)**
[25] EN
[54] **PASSIVE DOOR BOLT ASSEMBLY**
[54] **MECANISME DE PENE PASSIF**
[72] KENDALL, ADAM, US
[72] JASKIEWICZ, TOMASZ, US
[71] ENDURA PRODUCTS, INC., US
[22] 2017-08-16
[41] 2018-03-23
[30] US (15/274,061) 2016-09-23

[21] **2,976,686**
[13] A1
[51] **Int.Cl. F24F 11/77 (2018.01) F24D 5/04 (2006.01) F24D 19/10 (2006.01) F24H 9/20 (2006.01)**
[25] EN
[54] **BALANCING DISCHARGE AIRFLOW DURING AIR HANDLING SYSTEM OPERATION**
[54] **EQUILIBRAGE D'ECOULEMENT D'AIR D'EVACUATION PENDANT UNE OPERATION D'UN SYSTEME DE TRAITEMENT DE L'AIR**
[72] CARLYON, ZEKE, US
[72] KEINATH, JONATHAN, US
[72] ROTH, ROBERT PAUL, US
[71] MITEK HOLDINGS, INC., US
[22] 2017-08-16
[41] 2018-03-20
[30] US (15/270,662) 2016-09-20

[21] **2,976,983**
[13] A1
[51] **Int.Cl. G01W 1/08 (2006.01) F01D 21/14 (2006.01) G01L 23/08 (2006.01) G01M 15/14 (2006.01)**
[25] EN
[54] **INCLEMENT WEATHER DETECTION FOR AIRCRAFT ENGINES**
[54] **DETECTION DE CONDITIONS METEOROLOGIQUES DEFAVORABLES DESTINEE A DES MOTEURS D'AERONEF**
[72] JOSHI, NINAD, CA
[72] HENNING, ANDREA, CA
[72] HAFEEZ, FARAN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2017-08-18
[41] 2018-03-19
[30] US (15/269,384) 2016-09-19

[21] **2,977,102**
[13] A1
[51] **Int.Cl. B32B 27/16 (2006.01) B32B 5/16 (2006.01) B32B 7/02 (2006.01) B32B 15/08 (2006.01) B32B 27/14 (2006.01) B32B 37/00 (2006.01) B32B 38/00 (2006.01)**
[25] EN
[54] **UV CURABLE INTERLAYER COMPOSITION FOR PRINTED ELECTRONICS APPLICATION**
[54] **COMPOSITION INTERCALAIRE DURCISSABLE AU RAYONNEMENT UV DESTINEE A UNE APPLICATION DE DISPOSITIFS ELECTRONIQUES IMPRIMES**
[72] SONG, GUIQIN, CA
[72] CHOPRA, NAVEEN, CA
[72] HU, NAN-XING, CA
[72] ABRAHAM, BIBY ESTHER, CA
[72] CHRETIEN, MICHELLE N., CA
[71] XEROX CORPORATION, US
[22] 2017-08-21
[41] 2018-03-19
[30] US (15/268786) 2016-09-19

[21] **2,977,289**
[13] A1
[51] **Int.Cl. A61L 31/16 (2006.01) A61K 9/00 (2006.01) A61K 47/34 (2017.01) A61L 27/50 (2006.01) A61L 27/54 (2006.01) A61L 31/14 (2006.01)**
[25] EN
[54] **PROLONGED DRUG-ELUTING PRODUCTS**
[54] **PRODUITS A ELUTION DE MEDICAMENTS PROLONGEE**
[72] KIORPES, TIMOTHY CHARLES, US
[72] MCCLAIN, JAMES B., US
[71] MICELL TECHNOLOGIES, INC., US
[22] 2017-08-22
[41] 2018-03-23
[30] US (15/274,105) 2016-09-23

[21] **2,977,751**
[13] A1
[51] **Int.Cl. B23C 3/18 (2006.01) B23P 6/00 (2006.01) F01D 5/02 (2006.01) F04D 29/26 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING OR FOR REPAIRING A COMPONENT OF A ROTARY MACHINE AS WELL AS A COMPONENT MANUFACTURED OR REPAIRED USING SUCH A METHOD**
[54] **METHODE DE FABRICATION OU DE REPARATION D'UNE COMPOSANTE D'UNE MACHINE ROTATIVE AINSI QU'UNE COMPOSANTE FABRIQUEE OU REPAREE AU MOYEN D'UNE TELLE METHODE**
[72] RETTBERG, ROBIN, CH
[72] MAROCCIA, BRUNO, CH
[71] SULZER MANAGEMENT AG, CH
[22] 2017-08-29
[41] 2018-03-22
[30] EP (16190145.9) 2016-09-22
[30] EP (17163325.8) 2017-03-28

[21] **2,977,757**
[13] A1
[51] **Int.Cl. B23C 3/18 (2006.01) B23P 15/00 (2006.01) F01D 5/02 (2006.01) F04D 29/18 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING OR FOR REPAIRING A COMPONENT OF A ROTARY MACHINE AS WELL AS A COMPONENT MANUFACTURED OR REPAIRED USING SUCH A METHOD**
[54] **METHODE DE FABRICATION OU DE REPARATION D'UNE COMPOSANTE D'UNE MACHINE ROTATIVE AINSI QU'UNE COMPOSANTE FABRIQUEE OU REPAREE AU MOYEN D'UNE TELLE METHODE**
[72] RETTBERG, ROBIN, CH
[72] KRANZLER, THOMAS, DE
[72] DANKE, ENNO, DE
[71] SULZER MANAGEMENT AG, CH
[22] 2017-08-29
[41] 2018-03-22
[30] EP (16190145.9) 2016-09-22

[21] **2,977,807**
[13] A1
[51] **Int.Cl. H04L 12/58 (2006.01) H04L 9/00 (2006.01)**
[25] EN
[54] **TECHNIQUE FOR DETECTING SUSPICIOUS ELECTRONIC MESSAGES**
[54] **TECHNIQUE DE DETECTION DE MESSAGES ELECTRONIQUES SUSPECTS**
[72] HAGER, MARTIN, DE
[72] GRAUVOGL, MICHAEL, DE
[71] RETARUS GMBH, DE
[22] 2017-08-30
[41] 2018-03-19
[30] EP (16 189 472.0) 2016-09-19

[21] **2,977,932**
[13] A1
[51] **Int.Cl. C08L 57/04 (2006.01) C08L 33/06 (2006.01) C08L 33/26 (2006.01)**
[25] EN
[54] **LATEX FUNCTIONALIZED WITH STRUCTURAL UNITS OF AN AMINO ACID**
[54] **LATEX FONCTIONNALISE AU MOYEN D'UNITES STRUCTURELLES D'UN ACIDE AMINE**
[72] BROWNELL, ARNOLD S., US
[72] SATHIOSATHAM, MUHUNTHAN, US
[72] GONG, YANLI, US
[72] BELL, THOMAS J., US
[72] BOHLING, JAMES C., US
[71] ROHM AND HAAS COMPANY, US
[22] 2017-08-30
[41] 2018-03-23
[30] US (62/398,856) 2016-09-23

[21] **2,977,989**
[13] A1
[51] **Int.Cl. C08F 2/22 (2006.01) C09D 7/80 (2018.01) C08J 7/04 (2006.01) C08L 53/00 (2006.01) C09D 153/00 (2006.01)**
[25] EN
[54] **IN SITU PREPARATION OF REDOX INITIATED BIMORPHOLOGICAL LATEX**
[54] **PREPARATION SUR PLACE DE LATEX BIOMORPHOLOGIQUE AMORCE PAR OXYDOREDUCTION**
[72] BOHLING, JAMES C., US
[72] BROWNELL, ARNOLD S., US
[72] GAO, WEI, US
[71] ROHM AND HAAS COMPANY, US
[22] 2017-08-30
[41] 2018-03-22
[30] US (62/398,135) 2016-09-22

[21] **2,977,992**
[13] A1
[51] **Int.Cl. A63B 60/10 (2015.01)**
[25] EN
[54] **GOLF GRIP WITH REMINDER RIB**
[54] **POIGNEE DE BATON DE GOLF A NERVURE DE RAPPEL**
[72] DAVIS, STEPHEN JAMES, US
[72] WALLS, ALEX, US
[72] ARRINGTON, ANDY, US
[72] MILLER, BRUCE, US
[71] EATON CORPORATION, US
[22] 2017-08-30
[41] 2018-03-20
[30] US (15/270,058) 2016-09-20

[21] **2,977,995**
[13] A1
[51] **Int.Cl. H01H 9/02 (2006.01) H01H 71/02 (2006.01) H01R 13/44 (2006.01)**
[25] EN
[54] **ELECTRICAL SYSTEM, AND ELECTRICAL SWITCHING APPARATUS AND GUARD MEMBER THEREFOR**
[54] **SYSTEME ELECTRIQUE ET APPAREIL DE COMMUTATION ELECTRIQUE ET ELEMENT PROTECTEUR ASSOCIE**
[72] MALONEY, JAMES GERARD, US
[72] SANSUR, LUIS ENRIQUE BETANCES, DO
[72] RODRIGUEZ, ALEXIS RODRIGUEZ, DO
[71] EATON CORPORATION, US
[22] 2017-08-30
[41] 2018-03-23
[30] US (15/273,813) 2016-09-23

[21] **2,977,998**
[13] A1
[51] **Int.Cl. F04D 15/00 (2006.01) F04D 15/02 (2006.01) F04D 29/66 (2006.01)**
[25] EN
[54] **SYSTEM FOR DETECTING FAULTS IN A PUMP**
[54] **SYSTEME DE DETECTION DES DEFAILLANCES DANS UNE POMPE**
[72] ZHANG, YANCHAI, US
[72] DANDIBHOTLA, VENKATA BHAGAVATHI, US
[72] CAI, ZHIJUN, US
[71] CATERPILLAR INC., US
[22] 2017-08-30
[41] 2018-03-23
[30] US (15/274,864) 2016-09-23

[21] **2,978,105**
[13] A1
[51] **Int.Cl. F16J 15/3232 (2016.01) F16C 33/76 (2006.01)**
[25] EN
[54] **SEALING DEVICE**
[54] **APPAREIL D'ETANCHEISATION**
[72] SHUTO, YUICHI, JP
[72] SASAKI, KEI, JP
[72] YAMANE, SHOHEI, JP
[72] TARUKAWA, YUICHI, JP
[72] KATO, TAKUYA, JP
[71] NOK CORPORATION, JP
[22] 2017-09-01
[41] 2018-03-20
[30] JP (2016-182677) 2016-09-20

[21] **2,978,342**
[13] A1
[51] **Int.Cl. B25D 5/00 (2006.01) B25H 7/04 (2006.01)**
[25] EN
[54] **PUNCH CENTERING BLOCK DEVICE**
[54] **DISPOSITIF DE BLOC DE CENTRAGE DE POINCON**
[72] ARBOLEDA, SALOMON V., CA
[71] ARBOLEDA, SALOMON V., CA
[22] 2017-09-06
[41] 2018-03-19
[30] US (15268656) 2016-09-19

[21] **2,978,446**
[13] A1
[51] **Int.Cl. F04D 9/02 (2006.01) E04H 4/14 (2006.01) F04D 29/70 (2006.01)**
[25] EN
[54] **SELF-PRIMING DEDICATED WATER FEATURE PUMP**
[54] **POMPE A FONCTIONNALITE D'EAU DEDIEE A AUTO-AMORCAGE**
[72] PARCELL, JASON W., US
[72] PETTY, SCOTT, US
[72] PHILHOWER, DOUGLAS H., US
[72] POTUCEK, KEVIN L., US
[72] ORTIZ, GARY, US
[72] STONE, JON, US
[71] HAYWARD INDUSTRIES, INC., US
[22] 2017-09-06
[41] 2018-03-22
[30] US (62/398,228) 2016-09-22
[30] US (15/646,678) 2017-07-11

[21] **2,978,592**
[13] A1
[51] **Int.Cl. F02B 53/02 (2006.01) F02B 53/04 (2006.01)**
[25] EN
[54] **METHOD OF OPERATING AN ENGINE HAVING A PILOT SUBCHAMBER AT PARTIAL LOAD CONDITIONS**
[54] **METHODE DE FONCTIONNEMENT D'UN MOTEUR COMPORTANT UNE CHAMBRE SECONDAIRE PILOTE A DES CONDITIONS DE CHARGE PARTIELLE**
[72] SCHULZ, EDWIN, CA
[72] LANKTREE, MICHAEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2017-09-06
[41] 2018-03-23
[30] US (15/273,788) 2016-09-23

[21] **2,978,932**
[13] A1
[51] **Int.Cl. G01R 31/02 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR MONITORING AN ENERGY TRANSMISSION DEVICE**
[54] **METHODE ET DISPOSITIF DE SURVEILLANCE D'UN APPAREIL DE TRANSMISSION D'ENERGIE**
[72] KUSSYK, JAROSLAW, AT
[72] ENGLERT, HEIKO, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[22] 2017-09-12
[41] 2018-03-23
[30] EP (16190346.3) 2016-09-23

[21] **2,978,979**
[13] A1
[51] **Int.Cl. F04D 29/00 (2006.01) F04D 7/02 (2006.01) F04D 7/06 (2006.01) F04D 29/08 (2006.01) F04D 29/22 (2006.01) F04D 29/42 (2006.01)**
[25] EN
[54] **CENTRIFUGAL PUMP FOR CONVEYING A FLUID**
[54] **POMPE CENTRIFUGE SERVANT A TRANSPORTER UN FLUIDE**
[72] WELSCHINGER, THOMAS, DE
[72] JOHNE, TORSTEN, CN
[72] SINGER, MIKE, CN
[72] UGALE, NITIN, CN
[71] SULZER MANAGEMENT AG, CH
[22] 2017-09-12
[41] 2018-03-23
[30] EP (16190413.1) 2016-09-23

[21] **2,979,001**
[13] A1
[51] **Int.Cl. B61F 19/00 (2006.01) B61H 13/00 (2006.01)**
[25] FR
[54] **OBSTACLE DETECTION DEVICE FOR A RAIL VEHICLE**
[54] **DISPOSITIF DE DETECTION D'OBSTACLE POUR UN VEHICULE FERROVIAIRE**
[72] THEVENOT, MAXIME, FR
[71] ALSTOM TRANSPORT TECHNOLOGIES, FR
[22] 2017-09-11
[41] 2018-03-21
[30] FR (16 58 851) 2016-09-21

[21] **2,979,117**
[13] A1
[51] **Int.Cl. A61B 34/20 (2016.01) A61B 5/03 (2006.01) A61B 5/06 (2006.01) A61M 25/00 (2006.01) A61M 31/00 (2006.01) A61B 1/267 (2006.01) A61M 25/10 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CLEANSING SEGMENTS OF A LUMINAL NETWORK**
[54] **SYSTEME ET METHODE DE NETTOYAGE DE SEGMENTS D'UN RESEAU LUMINAL**
[72] KRIMSKY, WILLIAM S., US
[71] COVIDIEN LP, US
[22] 2017-09-13
[41] 2018-03-19
[30] US (62/396,322) 2016-09-19
[30] US (15/700,243) 2017-09-11

[21] **2,979,148**
[13] A1
[51] **Int.Cl. H02K 13/10 (2006.01) H01R 39/48 (2006.01) H02K 9/02 (2006.01)**
[25] EN
[54] **COMBINED COOLING AND DUST EXTRUSION DEVICE AND METHOD**
[54] **DISPOSITIF COMBINE DE REFROIDISSEMENT ET D'EXTRUSION DE POUSSIERE, ET METHODE**
[72] BAUMEISTER, STEFAN, CH
[72] BRUNA, SEBATIEN, FR
[72] HAMBURGER, JEROME, CH
[72] AUZOLLE, THIERRY, CH
[71] GE RENEWABLE TECHNOLOGIES, FR
[22] 2017-09-14
[41] 2018-03-22
[30] EP (16290180.5) 2016-09-22

[21] **2,979,152**
[13] A1
[51] **Int.Cl. F21V 11/00 (2015.01) F21S 8/08 (2006.01) F21V 7/08 (2006.01) F21V 33/00 (2006.01)**
[25] EN
[54] **ASSEMBLY AND METHOD FOR GLARE ELIMINATION**
[54] **DISPOSITIF ET METHODE D'ELIMINATION DU REFLET**
[72] CLYNNE, THOMAS, US
[72] SAHA, KOUSHIK BABI, US
[72] MEYER, JONATHAN ROBERT, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2017-09-14
[41] 2018-03-21
[30] US (62/397,466) 2016-09-21

[21] **2,979,154**
[13] A1
[51] **Int.Cl. E21B 47/09 (2012.01) E21B 47/11 (2012.01)**
[25] EN
[54] **DEGRADABLE DEVICES WITH ASSURED IDENTIFICATION OF REMOVAL**
[54] **DISPOSITIFS DEGRADABLES A IDENTIFICATION D'ENLEVEMENT ASSUREE**
[72] SHERMAN, ANDREW, US
[72] DOUD, BRIAN, US
[71] TERVES INC., US
[22] 2017-09-13
[41] 2018-03-23
[30] US (62/398,867) 2016-09-23

[21] **2,979,155**
[13] A1
[51] **Int.Cl. G01M 99/00 (2011.01) H02K 11/20 (2016.01) H02K 11/35 (2016.01) G01R 31/34 (2006.01)**
[25] EN
[54] **MACHINE PROTECTION AND DIAGNOSTIC SYSTEMS AND METHODS**
[54] **PROTECTION DE MACHINE ET SYSTEMES ET METHODES DE DIAGNOSTIC**
[72] PAMULAPARTHY, BALAKRISHNA, IN
[72] MOORTHY, MADU THIRUGNANASAM, CA
[72] VINAYAGAM, BALAMOUROUGAN, CA
[72] KANABAR, MITALKUMAR G., CA
[72] MUTHUKRISHNAN, VIJAYASARATHI, CA
[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[22] 2017-09-14
[41] 2018-03-21
[30] IN (201641032195) 2016-09-21

[21] **2,979,236**
[13] A1
[51] **Int.Cl. A23P 30/00 (2016.01) A23P 10/00 (2016.01) A21C 11/00 (2006.01) A21C 14/00 (2006.01)**
[25] EN
[54] **BALL-SHAPED FOOD FORMING MACHINE**
[54] **MARCHINE DE FACONNAGE D'ALIMENT EN FORME DE BOULE**
[72] XIE, DA-YOU, TW
[71] DASIN MACHINERY CO., LTD., TW
[22] 2017-09-15
[41] 2018-03-19
[30] TW (105130365) 2016-09-20

[21] **2,979,269**
[13] A1
[51] **Int.Cl. B62D 33/037 (2006.01) E05C 3/12 (2006.01)**
[25] EN
[54] **LATCH ASSEMBLY AND TAILGATE FOR VEHICLE**
[54] **DISPOSITIF DE VERROU ET HAYON DE VEHICULE**
[72] SANDLER, PHILIP, US
[71] BUYERS PRODUCTS COMPANY, US
[22] 2017-09-14
[41] 2018-03-19
[30] US (15/268,767) 2016-09-19

[21] **2,979,442**
[13] A1
[51] **Int.Cl. A47K 10/48 (2006.01) B64D 11/02 (2006.01)**
[25] EN
[54] **HAND DRYING SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE SECHAGE DES MAINS**
[72] CHILDRESS, JAMIE, US
[71] THE BOEING COMPANY, US
[22] 2017-09-15
[41] 2018-03-23
[30] US (15/273,814) 2016-09-23

[21] **2,979,444**
[13] A1
[51] **Int.Cl. H05B 37/02 (2006.01)**
[25] EN
[54] **SECURITY LIGHTING FIXTURE**
[54] **APPAREIL D'ECLAIRAGE DE SECURITE**
[72] KELLEY, KIM, US
[72] HUANG, BEN, US
[71] HAMPTON PRODUCTS INTERNATIONAL CORPORATION, US
[22] 2017-09-15
[41] 2018-03-19
[30] US (15/269,664) 2016-09-19

[21] **2,979,447**
[13] A1
[51] **Int.Cl. A01C 7/08 (2006.01)**
[25] EN
[54] **AIR SEEDER WITH INFINITELY ADJUSTABLE CONTROL VALVES**
[54] **SEMOIR PNEUMATIQUE A VANNES DE REGULATION AJUSTABLES INFINIMENT**
[72] RICE, HAYDON, CA
[72] JAGOW, SCOT, CA
[71] BOURGAULT INDUSTRIES LTD., CA
[22] 2017-09-15
[41] 2018-03-21
[30] US (62/397,720) 2016-09-21

[21] **2,979,454**
[13] A1
[51] **Int.Cl. E21C 35/00 (2006.01) E21C 35/08 (2006.01) E21C 35/24 (2006.01)**
[25] EN
[54] **MINING VEHICLE MONITORING AND CONTROL SYSTEM**
[54] **SYSTEME DE CONTROLE ET SURVEILLANCE D'UN VEHICULE MINIER**
[72] MAMIDISETTY, KRANTHI KUMAR, US
[72] MATSON, ERIC DENNIS, US
[72] CAUTION, STEPHAN, US
[72] PRABHU, KRITHIKA, US
[72] JUNEJA, AMIT, US
[71] THE GOODYEAR TIRE & RUBBER COMPANY, US
[22] 2017-09-18
[41] 2018-03-19
[30] US (62/396271) 2016-09-19

[21] **2,979,463**
[13] A1
[51] **Int.Cl. H04L 12/751 (2013.01) H04L 12/26 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATED DETERMINATION OF NETWORK DEVICE TRANSITING DATA ATTRIBUTES**
[54] **SYSTEMES ET METHODES DE DETERMINATION AUTOMATISEE D'ATTRIBUTS DE DONNEES EN TRANSIT DANS UN DISPOSITIF RESEAU**
[72] BARNUM, ERIC, US
[72] BANKS, TERENCE, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2017-09-15
[41] 2018-03-19
[30] US (62/396,434) 2016-09-19

[21] **2,979,464**
[13] A1
[51] **Int.Cl. G03B 17/00 (2006.01) G02B 3/14 (2006.01) G02B 7/28 (2006.01)**
[25] EN
[54] **CAMERA FOR INDUSTRIAL IMAGE PROCESSING**
[54] **CAMERA DESTINEE AU TRAITEMENT D'IMAGE INDUSTRIEL**
[72] WALDL, ANDREAS, AT
[71] BERNECKER + RAINER INDUSTRIE-ELEKTRONIK GES.M.B.H, AT
[22] 2017-09-18
[41] 2018-03-19
[30] AT (A50838/2016) 2016-09-19

---

[21] **2,979,466**
[13] A1
[51] **Int.Cl. B60S 3/04 (2006.01) E01H 5/10 (2006.01)**
[25] EN
[54] **TRUCK ICE AND SNOW MELTING SYSTEM**
[54] **DISPOSITIF DE FONTE DE GLACE ET DE NEIGE DESTINE A UN CAMION**
[72] REID, WILLIAM R., US
[72] LEHNING, ROBERT C., US
[71] REID, WILLIAM R., US
[71] LEHNING, ROBERT C., US
[22] 2017-09-19
[41] 2018-03-19
[30] US (62/396,500) 2016-09-19

---

[21] **2,979,473**
[13] A1
[51] **Int.Cl. B62D 65/02 (2006.01)**
[25] EN
[54] **ASSEMBLY APPARATUS**
[54] **APPAREIL D'ASSEMBLAGE**
[72] SHIMOYAMA, MASAO, JP
[72] AKAMI, KAZUKI, JP
[72] HADA, KAZUHISA, JP
[71] HONDA MOTOR CO., LTD., JP
[22] 2017-09-18
[41] 2018-03-20
[30] JP (2016-182751) 2016-09-20

---

[21] **2,979,479**
[13] A1
[51] **Int.Cl. E06B 7/16 (2006.01) F16J 15/02 (2006.01)**
[25] EN
[54] **WEATHERSTRIPPING ASSEMBLIES FOR GARAGE DOORS AND OTHER APPLICATIONS, ASSOCIATED APPARATUSES, AND ASSOCIATED METHODS OF USE**
[54] **DISPOSITIFS DE BOURRELET D'ETANCHEITE DESTINES A DES PORTES DE GARAGE ET AUTRES APPLICATIONS, APPAREILLAGES ASSOCIES ET METHODES D'UTILISATION ASSOCIEES**
[72] STEINKE, BRADLEY, CA
[71] STEINKE, BRADLEY, CA
[22] 2017-09-19
[41] 2018-03-19
[30] US (62/396,674) 2016-09-19

---

[21] **2,979,487**
[13] A1
[51] **Int.Cl. A47G 9/02 (2006.01) A47G 9/10 (2006.01)**
[25] EN
[54] **3D BEDDING SYSTEM**
[54] **SYSTEME DE LITERIE 3D**
[72] PEREZ, HUGO W., US
[71] FRANCO MANUFACTURING CO. INC., US
[22] 2017-09-19
[41] 2018-03-19
[30] US (62/396,706) 2016-09-19
[30] US (15/707,987) 2017-09-18

---

[21] **2,979,607**
[13] A1
[51] **Int.Cl. B64C 5/16 (2006.01) B64C 3/58 (2006.01) B64C 5/06 (2006.01) B64C 27/26 (2006.01) B64C 27/28 (2006.01)**
[25] EN
[54] **WING EXTENSION WINGLETS FOR TILTROTOR AIRCRAFT**
[54] **AILETTES D'EXTENSION D'AILE DESTINEES A UN AERONEF A ROTOR BASCULANT**
[72] ANDERSON, ADAM BRYANT, US
[72] IVANS, STEVEN RAY, US
[72] CHAVEZ, JEREMY ROBERT, US
[71] BELL HELICOPTER TEXTRON INC., US
[22] 2017-09-18
[41] 2018-03-19
[30] US (15/269,862) 2016-09-19

---

[21] **2,979,627**
[13] A1
[51] **Int.Cl. G06F 15/00 (2006.01) G06F 21/62 (2013.01) G06Q 40/08 (2012.01)**
[25] EN
[54] **PERSONAL INFORMATION ASSISTANT COMPUTING SYSTEM**
[54] **SYSTEME INFORMATIQUE D'ASSISTANT DE RENSEIGMENTS PERSONNELS**
[72] CHEN, TAO, US
[72] RAMIREZ, PHILIP PETER, US
[72] RAO, MANJUNATH, US
[71] ALLSTATE INSURANCE COMPANY, US
[22] 2017-09-19
[41] 2018-03-20
[30] US (15/270,414) 2016-09-20

---

[21] **2,979,628**
[13] A1
[51] **Int.Cl. B64C 3/56 (2006.01) B64C 5/02 (2006.01) B64C 11/28 (2006.01)**
[25] EN
[54] **FOLDABLE AIRCRAFT WITH ANHEDRAL STABILIZING WINGS**
[54] **AERONEF PLIABLE A AILES STABILISATRICES A DIEDRE NEGATIF**
[72] ROBERTS, BARD J., US
[72] IVANS, STEVEN R., US
[71] BELL HELICOPTER TEXTRON INC., US
[22] 2017-09-18
[41] 2018-03-21
[30] US (15/272,311) 2016-09-21

---

[21] **2,979,629**
[13] A1
[51] **Int.Cl. B41J 3/00 (2006.01) B42D 25/27 (2014.01) A63F 3/06 (2006.01) B41J 2/01 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PRINTING SCRATCH-OFF LOTTERY TICKETS**
[54] **SYSTEME ET METHODE D'IMPRESSION DE BILLETS DE LOTERIE A GRATTER**
[72] STEPHENS, KENNETH A., US
[71] SCIENTIFIC GAMES INTERNATIONAL, INC., US
[22] 2017-09-19
[41] 2018-03-21
[30] US (15/271,781) 2016-09-21

[21] **2,979,630**
[13] A1
[51] **Int.Cl. A01G 9/12 (2006.01)**
[25] EN
[54] **VERTICALLY ORIENTED PORTABLE PLANTER SYSTEM**
[54] **SYSTEME DE JARDINIERE PORTATIVE ORIENTEE VERTICALEMENT**
[72] JUNEJA, DAVID K., US
[71] JUNEJA, DAVID K., US
[22] 2017-09-19
[41] 2018-03-20
[30] US (62/397,066) 2016-09-20
[30] US (15/696,824) 2017-09-06

[21] **2,979,632**
[13] A1
[51] **Int.Cl. E04F 21/06 (2006.01)**
[25] EN
[54] **INSULATION DAM FOR BURIED DUCTS AND BURIED DUCT INSULATION DEPTH INDICATOR**
[54] **BARRAGE ISOLANT DESTINE AUX CONDUITES ENFOUIES ET INDICATEUR DE PROFONDEUR D'ISOLATION DE CONDUITE ENFOUIE**
[72] MARDEN, CRAIG, US
[72] SMITH, MARK H., US
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[22] 2017-09-19
[41] 2018-03-20
[30] US (62/396,868) 2016-09-20

[21] **2,979,635**
[13] A1
[51] **Int.Cl. G06K 9/62 (2006.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **PROCESS AND PLATFORM FOR LIDS**
[54] **PROCEDE ET PLATEFORME DESTINES A DES COUVERCLES**
[72] WADE, MARC, CA
[71] WADE & COMPANY INC., CA
[22] 2017-09-19
[41] 2018-03-19
[30] US (62/396/522) 2016-09-19
[30] US (62/405,321) 2016-10-07

[21] **2,979,636**
[13] A1
[51] **Int.Cl. B65B 63/02 (2006.01) A01F 29/09 (2010.01) A01D 59/00 (2006.01) B65B 11/02 (2006.01)**
[25] EN
[54] **SHREDDING AND BALING APPARATUS AND METHOD**
[54] **APPAREILLAGE DE DECHIQUETAGE ET DE MISE EN BALLOT ET METHODE**
[72] GAUDREAULT, DANIEL, US
[71] GYRO-TRAC CORPORATION, US
[22] 2017-09-19
[41] 2018-03-19
[30] US (15/269,071) 2016-09-19

[21] **2,979,637**
[13] A1
[51] **Int.Cl. A61F 2/12 (2006.01) A61B 5/05 (2006.01) A61F 2/02 (2006.01) A61L 27/08 (2006.01)**
[25] EN
[54] **DETECTION OF LEAKAGE IN IMPLANTS**
[54] **DETECTION DE FUITE DANS LES IMPLANTS**
[72] GOVARI, ASSAF, IL
[72] ALGAWI, YEHUDA, IL
[72] EPHRATH, YARON, IL
[72] BEECKLER, CHRISTOPHER THOMAS, US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2017-09-19
[41] 2018-03-23
[30] US (15/274,107) 2016-09-23

[21] **2,979,643**
[13] A1
[51] **Int.Cl. E04F 15/22 (2006.01) E04F 15/18 (2006.01) F16F 1/373 (2006.01) F16F 15/08 (2006.01) B32B 3/12 (2006.01)**
[25] EN
[54] **SHOCK ABSORBING MAT/TILE AND FLOOR COVERING EMPLOYING THE SAME**
[54] **TAPIS/CARREAU ABSORBANT LES CHOCS ET REVETEMENT DE PLANCHER EN COMPORTANT**
[72] DOWNEY, PAUL, CA
[72] GARTENBURG, PAUL, CA
[72] GOLDEN, MATTHEW, CA
[71] PLITEQ INC., CA
[22] 2017-09-19
[41] 2018-03-19
[30] US (62/396792) 2016-09-19

[21] **2,979,646**
[13] A1
[51] **Int.Cl. E04B 2/74 (2006.01) E04B 2/82 (2006.01) E06B 3/44 (2006.01) E06B 3/48 (2006.01)**
[25] EN
[54] **VERTICAL FOLDING WALL PARTITION AND METHOD OF DEPLOYING SAME**
[54] **DIVISION MURALE PLIABLE VERTICALE ET METHODE DE DEPLOIEMENT ASSOCIEE**
[72] MCDONALD, MARK, CA
[71] SKYFOLD INVESTEMENTS LTD., CA
[22] 2017-09-18
[41] 2018-03-21
[30] US (62/397,481) 2016-09-21

[21] **2,979,648**
[13] A1
[51] **Int.Cl. A47L 7/00 (2006.01) A47L 9/00 (2006.01)**
[25] EN
[54] **VACUUM CLEANER**
[54] **ASPIRATEUR**
[72] REGISTER, W. STEVEN, US
[72] NELSON, DANIEL B., US
[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, MO
[22] 2017-09-19
[41] 2018-03-19
[30] US (62/396,454) 2016-09-19

[21] **2,979,652**
[13] A1
[51] **Int.Cl. F21V 17/08 (2006.01) F21K 9/00 (2016.01) F21V 15/01 (2006.01) F21V 21/02 (2006.01) H02G 3/02 (2006.01)**
[25] EN
[54] **FLUSH MOUNT LIGHTING FIXTURE**
[54] **APPAREIL D'ECLAIRAGE AFFLEURANT**
[72] FEIT, ALAN BARRY, US
[72] HALLIWELL, BRIAN, US
[71] FEIT ELECTRIC COMPANY, INC., US
[22] 2017-09-20
[41] 2018-03-20
[30] US (15/272,645) 2016-09-22

[21] **2,979,653**
[13] A1
[51] **Int.Cl. H04W 12/08 (2009.01) H04W 12/04 (2009.01) H04L 12/40 (2006.01)**
[25] EN
[54] **IN-VEHICLE NETWORKING**
[54] **RESEAUTAGE EMBARQUE DANS UN VEHICULE**
[72] TSANG, MING CHEE, CA
[72] ALFRED, JAMES ROBERT, CA
[72] SIDOROV, SERGEI, CA
[72] LINKE, SCOTT LEE, US
[71] CERTICOM CORP., CA
[71] 2236008 ONTARIO, INC., CA
[22] 2017-09-20
[41] 2018-03-20
[30] US (15/270,957) 2016-09-20

---

[21] **2,979,654**
[13] A1
[51] **Int.Cl. A01G 23/08 (2006.01) A01G 23/083 (2006.01) A01G 23/091 (2006.01)**
[25] EN
[54] **TREE PROCESSOR ATTACHMENT**
[54] **FIXATION D'APPAREIL DE TRAITEMENT D'ARBRE**
[72] COCHRAN, WAYNE, CA
[72] WILLER, ALEX, CA
[71] AXIS FORESTRY INC., CA
[22] 2017-09-20
[41] 2018-03-21
[30] US (62397851) 2016-09-21

---

[21] **2,979,668**
[13] A1
[51] **Int.Cl. A47J 31/36 (2006.01) A45F 3/16 (2006.01) A47J 31/54 (2006.01)**
[25] EN
[54] **A PORTABLE HOUSEHOLD BEVERAGE MACHINE**
[54] **UN APPAREIL MENAGER PORTABLE DESTINE A LA PREPARATION DE BOISSON**
[72] SU, HUIZHEN, CN
[71] FOSHAN IMONS INTELLIGENCE TECHNOLOGY COMPANY LIMITED, CN
[71] GOLDEN COFFEE ELECTRICAL COMPANY LIMITED, CN
[71] NUEVO PTY LTD, AU
[22] 2017-09-19
[41] 2018-03-22
[30] CN (201610840691.5) 2016-09-22

---

[21] **2,979,672**
[13] A1
[51] **Int.Cl. G05B 19/042 (2006.01) G04G 99/00 (2010.01) F24F 11/59 (2018.01) F24F 11/63 (2018.01) F24D 19/10 (2006.01) G04B 19/24 (2006.01) G05D 23/19 (2006.01)**
[25] EN
[54] **CONTROL MANAGEMENT SYSTEM HAVING PERPETUAL CALENDAR WITH EXCEPTIONS**
[54] **SYSTEME DE GESTION DE CONTROLE COMPORTANT UN CALENDRIER PERPETUEL COMPRENANT DES EXCEPTIONS**
[72] MOORE, GLENN A., US
[72] POPLAWSKI, DANIEL S., US
[71] BRAEBURN SYSTEMS LLC, US
[22] 2017-09-19
[41] 2018-03-19
[30] US (62/396,639) 2016-09-19

---

[21] **2,979,673**
[13] A1
[51] **Int.Cl. C09D 5/12 (2006.01)**
[25] EN
[54] **CORROSION RESISTANT SURFACE TREATMENT AND PRIMER SYSTEM FOR ALUMINUM AIRCRAFT USING CHROMIUM-FREE INHIBITORS**
[54] **TRAITEMENT DE SURFACE RESISTANT A LA CORROSION ET SYSTEME D'APPRET DESTINE A UN AERONEF EN ALUMINIUM AU MOYEN D'INHIBITEURS EXEMPTS DE CHROME**
[72] KINLEN, PATRICK J., US
[72] KRIENKE, KENNETH A., US
[71] THE BOEING COMPANY, US
[22] 2017-09-18
[41] 2018-03-23
[30] US (15/274,456) 2016-09-23

---

[21] **2,979,729**
[13] A1
[51] **Int.Cl. B01D 11/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR REDUCING WATER CONTENT IN WATER-AND-SOLID-CONTAINING SUBSTANCE**
[54] **METHODE ET SYSTEME DE REDUCTION DE LA TENEUR EN EAU DANS UNE SUBSTANCE COMPOSEE D'EAU ET DE MATIERE SOLIDE**
[72] SUN, YIWEN, CN
[72] YANG, HAI, CN
[72] XIA, JIYANG, CN
[72] DONG, YU, CN
[72] LIU, CHUNJIE, CN
[72] HE, LU, CN
[72] YU, ZHENJIANG, CN
[72] LI, YITONG, CN
[71] GENERAL ELECTRIC COMPANY, US
[22] 2017-09-21
[41] 2018-03-22
[30] CN (201610840103.8) 2016-09-22

---

[21] **2,979,754**
[13] A1
[51] **Int.Cl. G06F 19/00 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMPROVED DATA INTEGRATION IN VIRTUAL REALITY ARCHITECTURES**
[54] **SYSTEMES ET METHODES D'INTEGRATION DE DONNEES AMELIOREE DANS LES ARCHITECTURES DE REALITE VIRTUELLE**
[72] WILDE, JUSTIN STEVEN, US
[71] NAVITAIRE LLC, US
[22] 2017-09-20
[41] 2018-03-22
[30] US (15/273,659) 2016-09-22

[21] **2,979,767**
[13] A1
[51] **Int.Cl. G03B 43/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR WINDOW CONTAMINATION DETECTION**
[54] **SYSTEMES ET METHODES DE DETECTION DE CONTAMINATION DE FENETRE**
[72] CLYNNE, THOMAS, US
[72] DUREIKO, RICK DEAN, US
[72] MEYER, JONATHAN ROBERT, US
[72] SAHA, KOUSHIK BABI, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2017-09-21
[41] 2018-03-22
[30] US (62/398,123) 2016-09-22
[30] US (15/480,008) 2017-04-05

[21] **2,979,778**
[13] A1
[51] **Int.Cl. G02B 27/01 (2006.01) H04W 4/021 (2018.01) H04W 4/024 (2018.01) G06F 19/00 (2018.01) G01C 23/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMPROVED DATA INTEGRATION IN AUGMENTED REALITY ARCHITECTURES**
[54] **SYSTEMES ET METHODES D'INTEGRATION DE DONNEES AMELIOREE DANS LES ARCHITECTURES DE REALITE AUGMENTEE**
[72] WILDE, JUSTIN STEVEN, US
[72] SINK, RAELYNN ANDERSON, US
[71] NAVITAIRE LLC, US
[22] 2017-09-20
[41] 2018-03-22
[30] US (15/273,649) 2016-09-22

[21] **2,979,780**
[13] A1
[51] **Int.Cl. A62B 18/08 (2006.01)**
[25] EN
[54] **GAS OUTLET EXTENDER**
[54] **DISPOSITIF DE PROLONGEMENT DE SORTIE DE GAZ**
[72] MITCHELL, CHARLES, CA
[71] AMICO INTERIORS CORPORATION, CA
[22] 2017-09-21
[41] 2018-03-22
[30] US (15/272,939) 2016-09-22

[21] **2,979,861**
[13] A1
[51] **Int.Cl. F17C 1/16 (2006.01) B29C 65/14 (2006.01) B65D 25/14 (2006.01) B65D 90/02 (2006.01) F17C 13/00 (2006.01)**
[25] EN
[54] **FIBERWOUND TANKS**
[54] **RESERVOIRS FAITS D'ENROULEMENT DE FIBRES**
[72] VAN HAAREN, CHRISTOPHER A., US
[72] JEANNOTTE, JOSEPH, US
[72] KAMPF, CHRISTOPHER, US
[72] GOUDAS, ALEXANDER, US
[71] AMTROL LICENSING INC., US
[22] 2017-09-20
[41] 2018-03-20
[30] US (15/270,987) 2016-09-20

[21] **2,979,875**
[13] A1
[51] **Int.Cl. A01G 3/037 (2006.01)**
[25] EN
[54] **HARVESTING DEVICE**
[54] **APPAREIL DE RECOLTE**
[72] PEREZ, ANGEL RAMON TORRADO, US
[72] MOSMAN, DANA ELIOT, US
[71] PEREZ, ANGEL RAMON TORRADO, US
[71] MOSMAN, DANA ELIOT, US
[22] 2017-09-22
[41] 2018-03-22
[30] US (62/398,368) 2016-09-22
[30] US (15/711,069) 2017-09-21

[21] **2,979,876**
[13] A1
[51] **Int.Cl. F21K 9/60 (2016.01) F21K 9/00 (2016.01) F21S 8/08 (2006.01) F21V 11/00 (2015.01)**
[25] EN
[54] **LED LUMINAIRE**
[54] **LUMINAIRE DEL**
[72] POPPENHEIMER, TORI, US
[72] ZIOLKOWSKI, DAVID P., US
[71] POPPENHEIMER, TORI, US
[71] ZIOLKOWSKI, DAVID P., US
[22] 2017-09-22
[41] 2018-03-22
[30] US (62/398369) 2016-09-22

[21] **2,979,880**
[13] A1
[51] **Int.Cl. F24F 13/20 (2006.01) F16L 5/00 (2006.01) F24F 12/00 (2006.01) F24F 13/22 (2006.01)**
[25] EN
[54] **VENTILATING DEVICE**
[54] **APPAREIL DE VENTILATION**
[72] WU, KUNRAN, CN
[72] MA, JUNJIE, CN
[72] IIO, KOUJI, JP
[71] PANASONIC ECOLOGY SYSTEMS GUANGDONG CO., LTD., CN
[71] PANASONIC CORPORATION, JP
[22] 2017-09-20
[41] 2018-03-22
[30] CN (201621071670.3) 2016-09-22

[21] **2,979,883**
[13] A1
[51] **Int.Cl. E21B 15/00 (2006.01) E21B 7/00 (2006.01) E21B 19/08 (2006.01)**
[25] EN
[54] **MAST WITH RACK ASSEMBLY**
[54] **MAT DOTE D'UN DISPOSITIF DE SUPPORT**
[72] WURSTER, ANDREW, US
[72] HAWORTH, SAMUEL, US
[72] CASCIO, RUSS, US
[72] BACHINSKI, TIM, US
[71] HARNISCHFEGER TECHNOLOGIES, INC., US
[22] 2017-09-22
[41] 2018-03-23
[30] US (62/399,072) 2016-09-23

[21] **2,979,885**
[13] A1
[51] **Int.Cl. A47L 5/38 (2006.01) A47L 9/00 (2006.01) A47L 11/24 (2006.01)**
[25] EN
[54] **DOCKING STATION FOR COUPLING AUTONOMOUS VACUUM TO CENTRAL VACUUM**
[54] **STATION D'ACCUEIL DESTINEE AU RACCORDEMENT D'UN ASPIRATEUR AUTONOME A UN ASPIRATEUR CENTRAL**
[72] GAGNON, MARTIN, CA
[72] LALANCETTE-JUTRAS, MATHIEU, CA
[72] HEBERT, PATRICK, CA
[72] SINUR, RICHARD R., US
[72] LILLESAND, BRENT, US
[72] LINDQUIST, JESSICA, US
[72] HAMILTON, JILL, CA
[72] BOLLENGIER, JEREMIAH, US
[72] SHEREMETA, JAMES, CA
[71] BROAN-NU TONE LLC, US
[22] 2017-09-22
[41] 2018-03-22
[30] US (62/398,205) 2016-09-22

[21] **2,979,901**
[13] A1
[51] **Int.Cl. C02F 1/68 (2006.01) C02F 1/00 (2006.01)**
[25] EN
[54] **WASTEWATER ODOR CONTROL**
[54] **CONTROLE D'ODEUR DES EAUX USEES**
[72] MARANO, VINCENT, US
[71] PENCCO, INC., US
[22] 2017-09-21
[41] 2018-03-22
[30] US (62/398,053) 2016-09-22
[30] US (15/710,265) 2017-09-20

[21] **2,979,904**
[13] A1
[51] **Int.Cl. H01M 2/06 (2006.01)**
[25] EN
[54] **BATTERY PACK DEVICE WITH CASINGS FOR MULTIPLE CELLS**
[54] **DISPOSITIF DE BLOC-PILE DOTE DE LOGEMENTS DESTINES A PLUSIEURS PILES**
[72] INKPEN, STUART, CA
[72] SWAMIDAS, JOSHUA, CA
[72] CONWAY, BILL, CA
[72] LINFIELD, DANA, CA
[72] ABRAHAM, RUTH, CA
[72] WEISSER, CARL, CA
[72] WEGLARZ, VIC, CA
[71] HONEYWELL LIMITED, CA
[71] INSTRUMAR LIMITED, CA
[22] 2017-09-20
[41] 2018-03-20
[30] US (15/707,779) 2017-09-18
[30] US (62/397,326) 2016-09-20

[21] **2,979,918**
[13] A1
[51] **Int.Cl. E04F 15/18 (2006.01) E04C 2/40 (2006.01) E04F 15/22 (2006.01)**
[25] EN
[54] **FLOOR PANELS**
[54] **PANNEAUX DE PLANCHER**
[72] LEUDET DE LA VALLEE, STEPHANE, US
[71] TARKETT INC., CA
[22] 2017-09-20
[41] 2018-03-20
[30] US (62/397,259) 2016-09-20

[21] **2,980,034**
[13] A1
[51] **Int.Cl. B24B 41/06 (2012.01)**
[25] EN
[54] **GRINDING MACHINE**
[54] **MACHINE D'ABRASION**
[72] GIESE, CHRISTOPH, DE
[71] KARL HEESEMANN MASCHINENFABRIK GMBH & CO. KG, DE
[22] 2017-09-22
[41] 2018-03-23
[30] DE (10 2016 117 991.4) 2016-09-23

[21] **2,980,054**
[13] A1
[51] **Int.Cl. B65G 67/00 (2006.01)**
[25] EN
[54] **METHOD FOR ASSISTING AN EXCAVATOR OPERATOR WITH THE LOADING OF A TRANSPORTATION IMPLEMENT AND ASSISTANCE SYSTEM**
[54] **METHODE SERVANT A AIDER UN OPERATEUR D'EXCAVATRICE LORS DU CHARGEMENT D'UN ACCESSOIRE DE TRANSPORT ET SYSTEME D'AIDE**
[72] SCHMITT, JONATHAN, FR
[72] GLINIORZ, VOLKER, FR
[72] BONNETOT, GUILLAUME, FR
[72] WEISS, OLIVER, FR
[71] LIEBHERR-MINING EQUIPMENT COLMAR SAS, FR
[22] 2017-09-22
[41] 2018-03-23
[30] DE (10 2016 011 530.0) 2016-09-23

[21] **2,980,057**
[13] A1
[51] **Int.Cl. B24B 41/06 (2012.01)**
[25] EN
[54] **GRINDING MACHINE**
[54] **MACHINE D'ABRASION**
[72] GIESE, CHRISTOPH, DE
[71] KARL HEESEMANN MASCHINENFABRIK GMBH & CO. KG, DE
[22] 2017-09-22
[41] 2018-03-23
[30] DE (10 2016 117 992.2) 2016-09-23

[21] **2,980,058**
[13] A1
[51] **Int.Cl. B24B 41/00 (2006.01) B24B 47/26 (2006.01)**
[25] EN
[54] **GRINDING MACHINE**
[54] **MACHINE D'ABRASION**
[72] GIESE, CHRISTOPH, DE
[71] KARL HEESEMANN MASCHINENFABRIK GMBH & CO. KG, DE
[22] 2017-09-22
[41] 2018-03-23
[30] DE (10 2016 117 994.9) 2016-09-23

[21] **2,980,060**
[13] A1
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 43/17 (2006.01) E21B 43/30 (2006.01)**
[25] EN
[54] **FLUID INJECTION PROCESS FOR HYDROCARBON RECOVERY FROM A SUBSURFACE FORMATION**
[54] **PROCEDE D'INJECTION DE FLUIDE EN VUE DE LA RECUPERATION D'HYDROCARBURE D'UNE FORMATION EN SOUS-SURFACE**
[72] LI, HUINA, US
[71] STATOIL GULF SERVICES LLC, US
[22] 2017-09-22
[41] 2018-03-23
[30] US (15/273,913) 2016-09-23

[21] **2,980,065**
[13] A1
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 43/14 (2006.01) E21B 43/17 (2006.01)**
[25] EN
[54] **FLOODING PROCESS FOR HYDROCARBON RECOVERY FROM A SUBSURFACE FORMATION**
[54] **PROCEDE D'INONDATION EN VUE DE LA RECUPERATION D'HYDROCARBURE D'UNE FORMATION EN SOUS-SURFACE**
[72] LI, HUINA, US
[71] STATOIL GULF SERVICES LLC, US
[22] 2017-09-22
[41] 2018-03-23
[30] US (15/273,893) 2016-09-23

[21] **2,980,066**
[13] A1
[51] **Int.Cl. E21B 43/10 (2006.01) E21B 17/00 (2006.01) E21B 23/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR RUNNING CASING IN A WELLBORE**
[54] **APPAREIL ET METHODE DE DESCENTE D'UN TUBAGE DE PUITS DANS UN TROU DE FORAGE**
[72] DEDMAN, MICHAEL R., US
[72] WILLIAMSON, SCOTT EARL, US
[71] KLX INC., US
[22] 2017-09-22
[41] 2018-03-22
[30] US (62/398,198) 2016-09-22

[21] **2,980,068**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 90/00 (2016.01)**
[25] EN
[54] **SENSORY APPARATUS FOR DETECTION OF PERIPHERAL NEUROPATHY**
[54] **APPAREIL DETECTEUR DESTINE A LA DETECTION DE NEUROPATHIE PERIPHERIQUE**
[72] YOUNGBLOOD, DANYA JOY, US
[71] SEATTLE GENETICS, INC., US
[22] 2017-09-21
[41] 2018-03-23
[30] US (62/398,763) 2016-09-23

[21] **2,980,080**
[13] A1
[51] **Int.Cl. C12Q 1/6851 (2018.01) C12Q 1/6806 (2018.01) C12Q 1/6809 (2018.01) C12Q 1/686 (2018.01) G06F 19/20 (2011.01)**
[25] EN
[54] **METHODS FOR DETERMINING THE AMOUNT OF A NUCLEIC ACID OF INTEREST IN AN UNPROCESSED SAMPLE**
[54] **METHODE DE DETERMINATION DE LA QUANTITE D'ACIDE NUCLEIQUE D'INTERET DANS UN ECHANTILLON NON TRAITE**
[72] FURLAN, ALAN, CH
[72] ZEDER, MICHAEL, CH
[71] F. HOFFMAN-LA ROCHE AG, CH
[22] 2017-09-22
[41] 2018-03-23
[30] EP (16002058.2) 2016-09-23

[21] **2,980,240**
[13] A1
[51] **Int.Cl. A61L 31/10 (2006.01) A61B 42/10 (2016.01) A61L 31/14 (2006.01)**
[25] EN
[54] **GLIDE-ON COATING FOR POLYMERIC GLOVES**
[54] **REVETEMENT GLISSANT DESTINE A DES GANTS FAITS DE POLYMERE**
[72] YAO, MIN, US
[72] LIU, GUIXI, US
[72] WU, YULI, US
[72] DAI, JAXON, US
[72] POKHAREL-ADHIKARI, KOMAL, US
[71] MEDLINE INDUSTRIES, INC., US
[22] 2017-09-22
[41] 2018-03-23
[30] US (62/399,064) 2016-09-23
[30] US (15/597,298) 2017-05-17

[21] **2,980,331**
[13] A1
[51] **Int.Cl. E21B 17/01 (2006.01)**
[25] EN
[54] **SYSTEM AND AUTONOMOUS METHOD FOR SECURING A RISER SUPPORT**
[54] **SYSTEME ET METHODE AUTONOME DE FIXATION D'UN SUPPORT DE COLONNE MONTANTE**
[72] BATISTA DE BARROS, SERGIO, BR
[72] VITIELLO, MARCELO COSTA, BR
[71] PETROLEO BRASILEIRO S.A. - PETROBRAS, BR
[22] 2017-09-25
[41] 2018-03-23
[30] BR (BR 10 2016 021963-9) 2016-09-23

[21] **2,987,611**
[13] A1
[51] **Int.Cl. A47F 5/00 (2006.01) F21K 9/00 (2016.01) F21S 4/20 (2016.01) A47B 96/02 (2006.01) A47F 11/10 (2006.01) G09F 9/33 (2006.01) G09G 3/32 (2016.01)**
[25] EN
[54] **ELECTRONIC SMART SHELF DISPLAY**
[54] **PRESENTOIR DE TABLETTE INTELLIGENT ELECTRONIQUE**
[72] VIEVILLE, JEAN, US
[71] CONEX DIGITAL LLC, US
[22] 2017-11-30
[41] 2018-03-20

[21] **2,988,669**
[13] A1
[51] **Int.Cl. G01M 3/16 (2006.01)**
[25] EN
[54] **SCANNING PLATFORM FOR LOCATING BREACHES IN ROOFING AND WATERPROOFING MEMBRANES WITH CONDUCTIVE SURFACE**
[54] **PLATEFORME DE BALAYAGE SERVANT A REPERER DES FAILLES DANS UNE TOITURE ET LES MEMBRANES D'ETANCHEISATION A SURFACE CONDUCTRICE**
[72] VOKEY, DAVID, CA
[72] MCGOUGH, BRYAN, US
[71] DETEC SYSTEMS LTD., CA
[22] 2017-12-13
[41] 2018-03-20

---

[21] **2,991,505**
[13] A1
[51] **Int.Cl. G01S 19/48 (2010.01) H04W 64/00 (2009.01) H04B 17/318 (2015.01)**
[25] EN
[54] **SCALABLE INDOOR NAVIGATION AND POSITIONING SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE NAVIGATION ET POSITIONNEMENT INTERIEURS MODULABLES**
[72] HUBERMAN, SEAN, CA
[72] HAMIDIFAR, SAEEDEH, CA
[72] NAGPAL, PARAMVIR S., CA
[71] MAPSTED CORP., CA
[22] 2018-01-10
[41] 2018-03-19
[30] US (15/481,118) 2017-04-06

---

[21] **2,991,705**
[13] A1
[51] **Int.Cl. H01M 8/0282 (2016.01) H01M 8/0286 (2016.01) H01M 8/1004 (2016.01) H01M 8/1018 (2016.01)**
[25] EN
[54] **SILANIZED OER ANODE CATALYST FOR IMPROVED REVERSAL TOLERANCE IN FUEL CELL STACK**
[54] **CATALYSEUR ANODIQUE OER SILANISE SERVANT A AMELIORER LA TOLERANCE EN SENS INVERSE DANS UN EMPILEMENT DE PILES A COMBUSTIBLE**
[72] KREMLIAKOVA, NATALIA, CA
[72] EASTCOTT, JENNIE, CA
[72] SUN, DENNIS, CA
[72] JANKOVIC, JASNA, CA
[72] CIMENTI, MASSIMILIANO, CA
[71] DAIMLER AG, DE
[71] FORD MOTOR COMPANY, US
[22] 2018-01-12
[41] 2018-03-21

---

[21] **2,991,723**
[13] A1
[51] **Int.Cl. G01D 5/16 (2006.01) G01H 11/06 (2006.01) G01K 7/16 (2006.01) G01L 9/02 (2006.01) G01M 3/40 (2006.01) G05B 19/048 (2006.01) G08B 13/22 (2006.01) G08B 17/06 (2006.01) G08B 23/00 (2006.01)**
[25] EN
[54] **RESISTANCE TEMPERATURE DETECTOR OUTPUT EMULATOR FOR MONITORING PHYSICAL PARAMETERS**
[54] **EMULATEUR DE SORTIE DE DETECTEUR DE TEMPERATURE A RESISTANCE SERVANT A SURVEILLER DES PARAMETRES PHYSIQUES**
[72] BALATCHEV, STEFAN, CA
[71] VALBATECH INC., CA
[22] 2018-01-15
[41] 2018-03-21

PCT Applications Entering the National Phase

Demandes PCT entrant en phase nationale

[21] **2,960,724**
[13] A1
[51] **Int.Cl. B29C 45/38 (2006.01) B29C 45/27 (2006.01) B29C 45/30 (2006.01)**
[25] EN
[54] **A METHOD AND INJECTION-MOULDING NOZZLE FOR PRODUCING INJECTION-MOULDED PARTS FROM PLASTIC**
[54] **PROCEDE ET BUSE DE MOULAGE PAR INJECTION POUR FABRIQUER DES PIECES MOULEES A PARTIR D'UNE MATIERE DE PLASTIQUE**
[72] KOLNBERGER, PATRICK, AT
[72] WINDHAGER, WILLIBALD, AT
[71] HAIDLMAIR HOLDING GMBH, AT
[85] 2017-03-09
[86] 2015-09-10 (PCT/AT2015/050225)
[87] (WO2016/037209)
[30] AT (A50631/2014) 2014-09-10

[21] **2,973,306**
[13] A1
[51] **Int.Cl. A23L 33/115 (2016.01)**
[25] EN
[54] **OPTIMIZED NUTRIENT FATTY ACID COMPOSITION**
[54] **COMPOSITION D'ACIDES GRAS NUTRITIONNELLE OPTIMISEE**
[72] KOCHERI, PAUL THOMSON, IN
[72] KOCHERRY, PAULOSE THOMSON JOLLY, IN
[72] VADAKKEMURI, MATHEW JOLLY, IN
[71] KOCHERI, PAUL THOMSON, IN
[71] KOCHERRY, PAULOSE THOMSON JOLLY, IN
[71] VADAKKEMURI, MATHEW JOLLY, IN
[85] 2017-07-07
[86] 2015-11-09 (PCT/IN2015/000412)
[87] (WO2016/071927)
[30] IN (5623/CHE/2014) 2014-11-07

[21] **2,973,851**
[13] A1
[51] **Int.Cl. F04D 29/00 (2006.01) F04D 25/06 (2006.01) F04D 25/08 (2006.01) F04D 29/053 (2006.01) F04D 29/054 (2006.01) F24F 7/007 (2006.01)**
[25] EN
[54] **DOWNROD ASSEMBLY AND CEILING FAN**
[54] **DISPOSITIF DE TIGE INFERIEURE ET VENTILATEUR DE PLAFOND**
[72] TANG, XINMIN, CN
[72] LEI, SHUISHENG, CN
[72] LIANG, YAOGUANG, CN
[71] GD MIDEA ENVIRONMENT APPLIANCES MFG CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2018-01-22
[86] 2016-04-19 (PCT/CN2016/079689)
[87] (2973851)

[21] **2,980,358**
[13] A1
[51] **Int.Cl. E21B 34/14 (2006.01) E21B 33/14 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **HYDRAULIC PORT COLLAR**
[54] **COLLIER D'OUVERTURE HYDRAULIQUE**
[72] BOWERSOCK, JUSTIN, US
[72] GARCIA, LUIS, US
[71] TAM INTERNATIONAL, INC., US
[85] 2017-09-25
[86] 2017-09-22 (PCT/US2017/053056)
[87] (2980358)
[30] US (62/399,062) 2016-09-23

[21] **2,981,554**
[13] A1
[51] **Int.Cl. G06F 3/0484 (2013.01)**
[25] EN
[54] **INFORMATION PROCESSING METHOD, TERMINAL, AND COMPUTER STORAGE MEDIUM**
[54] **PROCEDE ET TERMINAL DE TRAITEMENT D'INFORMATIONS, ET SUPPORT DE STOCKAGE INFORMATIQUE**
[72] WANG, HAOSU, CN
[71] TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED, CN
[85] 2017-10-02
[86] 2016-05-24 (PCT/CN2016/083209)
[87] (WO2017/059685)
[30] CN (201510655670.1) 2015-10-10

[21] **2,990,212**
[13] A1
[51] **Int.Cl. C22C 21/10 (2006.01) C22C 21/00 (2006.01) C22C 21/08 (2006.01) C22F 1/053 (2006.01)**
[25] EN
[54] **HIGH-STRENGTH, CORROSION RESISTANT ALUMINUM ALLOYS FOR USE AS FIN STOCK AND METHODS OF MAKING THE SAME**
[54] **ALLIAGE D'ALUMINIUM HAUTE RESISTANCE ANTI-CORROSION DESTINE A UNE UTILISATION COMME MATERIAU D'AILETTE ET METHODES DE FABRICATION ASSOCIEES**
[72] KADALI, JYOTHI, US
[72] SIMIELLI, EIDER ALBERTO, US
[71] NOVELIS INC., US
[85] 2018-01-26
[86] 2017-03-03 (PCT/US2017/020610)
[87] (2990212)

[21] **2,992,565**
[13] A1
[51] **Int.Cl. C12Q 1/689 (2018.01) C12Q 1/6813 (2018.01) C12Q 1/686 (2018.01) C12Q 1/02 (2006.01) C12Q 1/68 (2018.01) G01N 33/50 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR IDENTIFYING DRUG RESISTANT TUBERCULOSIS**
[54] **COMPOSITIONS ET METHODES D'IDENTIFICATION DE TUBERCULOSE RESISTANTE AUX MEDICAMENTS**
[72] WANG, HONG, US
[72] LECKIE, GREGOR W., US
[72] PAHALAWATTA, VIHANGA, US
[72] ABRAVAYA, KLARA, US
[72] KOSTERA, JOSHUA, US
[72] TANG, NING, US
[72] FRANK, ANDREA, US
[71] ABBOTT MOLECULAR INC., US
[85] 2018-01-15
[86] 2016-07-13 (PCT/US2016/042108)
[87] (WO2017/011565)
[30] US (62/192,446) 2015-07-14

[21] **2,996,967**
[13] A1
[51] **Int.Cl. G02B 27/00 (2006.01) G02B 27/01 (2006.01)**
[25] EN
[54] **MULTIBEAM DIFFRACTION GRATING-BASED DISPLAY WITH HEAD TRACKING**
[54] **AFFICHAGE BASE SUR UN RESEAU DE DIFFRACTION A FAISCEAUX MULTIPLES AVEC SUIVI DE LA TETE**
[72] FATTAL, DAVID A., US
[71] LEIA INC., US
[85] 2018-02-28
[86] 2016-09-04 (PCT/US2016/050320)
[87] (WO2017/041072)
[30] US (62/214,979) 2015-09-05

[21] **2,996,970**
[13] A1
[51] **Int.Cl. C12N 1/38 (2006.01) C02F 3/00 (2006.01) C08G 77/00 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND APPARATUS FOR INCREASING BIOREACTOR CAPACITY USING SILICA POLYMERS**
[54] **SYSTEMES, PROCEDES ET APPAREIL D'AUGMENTATION DE LA CAPACITE D'UN BIOREACTEUR A L'AIDE DE POLYMERES DE SILICE**
[72] CONLEY, M. SCOTT, US
[72] MENENDEZ, MARK, US
[71] DRYLET, LLC, US
[85] 2018-02-27
[86] 2016-09-01 (PCT/US2016/050013)
[87] (WO2017/040865)
[30] US (62/213,094) 2015-09-01

[21] **2,996,971**
[13] A1
[51] **Int.Cl. B23K 9/12 (2006.01) B23K 9/32 (2006.01)**
[25] EN
[54] **CONTACT TIP AND RECEIVING ASSEMBLY OF A WELDING TORCH**
[54] **TUBE CONTACT ET ENSEMBLE DE RECEPTION D'UN CHALUMEAU**
[72] CENTNER, ROBERT JOSEPH, US
[72] WARNING, ROBERT LLOYD, US
[71] ILLINOIS TOOLS WORKS INC., US
[85] 2018-02-27
[86] 2016-09-02 (PCT/US2016/050164)
[87] (WO2017/048538)
[30] US (62/220,732) 2015-09-18
[30] US (15/253,414) 2016-08-31

[21] **2,996,972**
[13] A1
[51] **Int.Cl. A43B 17/18 (2006.01) A43B 13/26 (2006.01)**
[25] EN
[54] **INSOLE**
[54] **SEMELLE INTERIEURE**
[72] MANGOLD, RAINER, DE
[72] ROEMPP, ANGELA, DE
[72] MEYER, MAREIKE, DE
[71] CMC CONSUMER MEDICAL CARE GMBH, DE
[85] 2018-02-27
[86] 2016-09-02 (PCT/EP2016/070744)
[87] (WO2017/045937)
[30] EP (15185713.3) 2015-09-17

[21] **2,996,976**
[13] A1
[51] **Int.Cl. C09D 4/00 (2006.01) C07C 67/00 (2006.01) C09D 5/14 (2006.01) C09D 185/00 (2006.01) D06M 13/00 (2006.01) D06M 15/19 (2006.01) D21H 17/00 (2006.01) D21H 21/16 (2006.01)**
[25] EN
[54] **WATER REPELLENT COMBINATIONS**
[54] **COMBINAISONS HYDROFUGES**
[72] MOOKERJEE, PRADIP KUMAR, US
[72] GOVINDEGOWDA, VENUGOPAL, IN
[72] DAMARLA, SREENIVASA RAO, IN
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2018-02-27
[86] 2016-09-05 (PCT/EP2016/070828)
[87] (WO2017/042120)
[30] IN (3437/MUM/2015) 2015-09-07
[30] EP (16152204.0) 2016-01-21

[21] **2,996,979**
[13] A1
[51] **Int.Cl. C07D 209/12 (2006.01) A61K 31/404 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **MONO- OR DI-SUBSTITUTED INDOLE DERIVATIVES AS DENGUE VIRAL REPLICATION INHIBITORS**
[54] **DERIVES D'INDOLE MONOSUBSTITUES OU DISUBSTITUES UTILISES EN TANT QU'INHIBITEURS DE LA REPLICATION DU VIRUS DE LA DENGUE**
[72] KESTELEYN, BART RUDOLF ROMANIE, BE
[72] RABOISSON, PIERRE JEAN-MARIE BERNARD, BE
[72] BONFANTI, JEAN-FRANCOIS, FR
[72] JONCKERS, TIM HUGO MARIA, BE
[72] BARDIOT, DOROTHEE ALICE MARIE-EVE, BE
[72] MARCHAND, ARNAUD DIDIER M, BE
[71] JANSSEN PHARMACEUTICALS, INC., US
[71] KATHOLIEKE UNIVERSITEIT LEUVEN, BE
[85] 2018-02-27
[86] 2016-09-15 (PCT/EP2016/071845)
[87] (WO2017/046255)
[30] EP (15185523.6) 2015-09-16
[30] EP (16163472.0) 2016-04-01

[21] **2,996,984**
[13] A1
[51] **Int.Cl. G01N 33/558 (2006.01)**
[25] EN
[54] **IMMUNOASSAY TEST DEVICE WITH TWO FLUID FLOW PATHS FOR DETECTION AND DIFFERENTIATION OF TWO OR MORE ANALYTES**
[54] **DISPOSITIF D'ANALYSE PAR DOSAGE IMMUNOLOGIQUE COMPORTANT DEUX TRAJETS D'ECOULEMENT DE FLUIDE POUR LA DETECTION ET LA DIFFERENTIATION D'AU MOINS DEUX ANALYTES**
[72] REED, ROBERT, US
[72] SINN, IRENE, US
[72] WEILLER, ROBERT, US
[72] MCCLURE, JASON, US
[71] QUIDEL CORPORATION, US
[85] 2018-02-27
[86] 2016-08-25 (PCT/US2016/048763)
[87] (WO2017/035389)
[30] US (62/210,880) 2015-08-27
[30] US (62/268,455) 2015-12-16
[30] US (62/271,101) 2015-12-22

[21] **2,996,985**
[13] A1
[51] **Int.Cl. E04B 9/28 (2006.01)**
[25] EN
[54] **CEILING SYSTEM**
[54] **SYSTEME DE PLAFOND**
[72] DUSCHL, ROBERT A., US
[71] ARMSTRONG WORLD INDUSTRIES, INC., US
[85] 2018-02-27
[86] 2016-08-26 (PCT/US2016/048834)
[87] (WO2017/040236)
[30] US (14/844,086) 2015-09-03

[21] **2,996,986**
[13] A1
[51] **Int.Cl. B42D 25/00 (2014.01)**
[25] EN
[54] **SINGLE OR DUAL TRANSFER PROCESS FOR PREPARING AND TRANSFERRING SHARPLY DEFINED SINGLE ELEMENTS TO OBJECTS TO BE PROTECTED**
[54] **PROCEDE DE TRANSFERT SIMPLE OU DOUBLE POUR PREPARER ET TRANSFERER DES ELEMENTS UNIQUES DEFINIS NETTEMENT SUR DES OBJETS A PROTEGER**
[72] COTE, PAUL F., US
[72] YEAGER, DANIEL, US
[72] SCHEXNAYDER, TODD, US
[71] CRANE SECURITY TECHNOLOGIES, INC., US
[71] VISUAL PHYSICS, LLC, US
[85] 2018-02-27
[86] 2016-08-26 (PCT/US2016/048888)
[87] (WO2017/035437)
[30] US (62/210,578) 2015-08-27

[21] **2,996,992**
[13] A1
[51] **Int.Cl. G02B 6/122 (2006.01) G02B 1/12 (2006.01) G02B 6/35 (2006.01)**
[25] EN
[54] **TIME-MODULATED BACKLIGHT AND MULTIVIEW DISPLAY USING SAME**
[54] **RETROECLAIRAGE MODULE EN TEMPS ET AFFICHEUR A VUES MULTIPLES L'UTILISANT**
[72] FATTAL, DAVID A., US
[71] LEIA INC., US
[85] 2018-01-23
[86] 2016-03-31 (PCT/US2016/025423)
[87] (WO2017/039756)
[30] US (62/214,977) 2015-09-05

[21] **2,996,993**
[13] A1
[51] **Int.Cl. E04B 5/29 (2006.01) E04C 3/293 (2006.01)**
[25] EN
[54] **SUPPORTING BEAM FOR CEILING SYSTEMS, CEILING SYSTEM AND METHOD FOR THE PRODUCTION THEREOF**
[54] **POUTRE MAITRESSE POUR STRUCTURES DE PLANCHER, STRUCTURE DE PLANCHER ET PROCEDE DE FABRICATION**
[72] JANCZURA, KRZYSZTOF, PL
[72] DERYSZ, JERZY, PL
[71] PFEIFER HOLDING GMBH & CO. KG, DE
[85] 2018-02-28
[86] 2016-08-31 (PCT/EP2016/070498)
[87] (WO2017/037106)
[30] DE (20 2015 104 628.6) 2015-09-01

[21] **2,996,994**
[13] A1
[51] **Int.Cl. A61L 31/16 (2006.01) A61B 17/00 (2006.01) A61K 9/00 (2006.01)**
[25] EN
[54] **RESORBABLE, DRUG-ELUTING SUBMUCOSAL TURBINATE IMPLANT DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE D'IMPLANT TURBINE SOUS-MUQUEUX A ELUTION MEDICAMENTEUSE RESORBABLE**
[72] MEDINA, JENNIFER G., US
[72] AMERY, DREW P., US
[72] OLIVER, DANA A., US
[72] WEN, JIE, US
[71] MEDTRONIC XOMED, INC., US
[85] 2018-02-26
[86] 2016-08-26 (PCT/US2016/049030)
[87] (WO2017/035483)
[30] US (14/836,594) 2015-08-26

[21] **2,996,997**
[13] A1
[51] **Int.Cl. G06F 3/048 (2013.01) G06F 3/0488 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTENT PRESENTATION**
[54] **SYSTEMES ET PROCEDES PERMETTANT UNE PRESENTATION DE CONTENU**
[72] VOSS, BRADY JOHN BRAYLEY, US
[72] PAKES, MATTHEW HANSON, US
[71] FACEBOOK, INC., US
[85] 2018-02-28
[86] 2015-08-31 (PCT/US2015/047766)
[87] (WO2017/039618)
[30] US (14/839,834) 2015-08-28

[21] **2,996,998**
[13] A1
[51] **Int.Cl. A47B 88/40 (2017.01) A47B 88/49 (2017.01) A47B 88/497 (2017.01)**
[25] EN
[54] **A DRAWER, AND A DRAWER SLIDING SYSTEM FOR SUCH DRAWER**
[54] **TIROIR ET SYSTEME COULISSANT DE TIROIR POUR LEDIT TIROIR**
[72] ANDERSSON, BENNY, SE
[71] IKEA SUPPLY AG, CH
[85] 2018-02-28
[86] 2016-09-07 (PCT/EP2016/071104)
[87] (WO2017/042228)
[30] SE (1551138-9) 2015-09-07
[30] SE (1651049-7) 2016-07-13
[30] SE (1651084-4) 2016-07-25

[21] **2,997,007**
[13] A1
[51] **Int.Cl. H04Q 9/00 (2006.01)**
[25] EN
[54] **SELF TEST DEVICE AND METHOD FOR WIRELESS SENSOR READER**
[54] **DISPOSITIF D'AUTO-TEST ET PROCEDE RELATIF A UN LECTEUR DE CAPTEUR SANS FIL**
[72] SUNDARAM, BALAMURUGAN, US
[72] NAGY, MICHAEL, US
[72] NIELSEN, DOUGLAS, US
[72] SUNDARAM, SURESH, US
[71] ENDOTRONIX, INC., US
[85] 2018-02-28
[86] 2016-09-02 (PCT/US2016/050081)
[87] (WO2017/040911)
[30] US (14/842,973) 2015-09-02

[21] **2,997,010**
[13] A1
[51] **Int.Cl. A01C 1/06 (2006.01) A01N 25/00 (2006.01) A01N 25/14 (2006.01) A01N 63/04 (2006.01) A01P 21/00 (2006.01) C09D 105/00 (2006.01) C12N 1/04 (2006.01) C12N 11/10 (2006.01)**
[25] EN
[54] **STABLE INOCULANT COMPOSITIONS AND METHODS FOR PRODUCING SAME**
[54] **COMPOSITIONS D'INOCULANT STABLES ET PROCEDES DE PRODUCTION DE CES COMPOSITIONS**
[72] KELLAR, KENNETH EDMUND, US
[72] KANG, YAOWEI, US
[72] PELLIGRA, CLAIRE, US
[72] BARNETT, EMILY, US
[72] BURKLEW, CAITLIN, US
[72] WYSINSKI, ANNA, US
[72] LELAND, JARROD, US
[72] DOUGHAN, BEN, US
[72] FETHE, MICHAEL HARRISON, US
[72] TRAHAN, ASHLEY DELANIE, US
[72] GREENSHIELDS, DAVE, CA
[72] WOODS, KRISTI, US
[71] NOVOZYMES BIO AG A/S, DK
[85] 2018-02-28
[86] 2016-09-08 (PCT/US2016/050647)
[87] (WO2017/044545)
[30] US (62/217,250) 2015-09-11
[30] US (62/273,054) 2015-12-30
[30] US (62/296,766) 2016-02-18
[30] US (62/343,250) 2016-05-31

[21] **2,997,012**
[13] A1
[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **TACTICAL DEPLOYABLE CABLES**
[54] **CABLES TACTIQUES DEPLOYABLES**
[72] QUINN, JUSTIN, US
[72] STRATTON, CRAIG, US
[71] AFL TELECOMMUNICATIONS LLC, US
[85] 2018-02-28
[86] 2016-09-09 (PCT/US2016/051000)
[87] (WO2017/044783)
[30] US (62/217,400) 2015-09-11

[21] **2,997,015**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **ANTIBODIES THAT SPECIFICALLY BIND TO TL1A**
[54] **ANTICORPS SE LIANT SPECIFIQUEMENT A TL1A**
[72] POULTON, LYNN DOROTHY, AU
[72] POLLARD, MATTHEW, AU
[72] DOYLE, ANTHONY G., AU
[72] COOKSEY, BRIDGET ANN, AU
[72] PANDE, VANYA, AU
[72] CLARKE, ADAM WILLIAM, AU
[71] CEPHALON, INC., US
[85] 2018-02-28
[86] 2016-09-16 (PCT/US2016/052040)
[87] (WO2017/049024)
[30] US (62/220,442) 2015-09-18

[21] **2,997,016**
[13] A1
[51] **Int.Cl. G11B 27/02 (2006.01) H04N 21/234 (2011.01) H04N 21/2368 (2011.01) H04N 21/434 (2011.01) H04N 21/44 (2011.01) H04N 5/262 (2006.01)**
[25] EN
[54] **MITIGATING DRIFT IN AUDIOVISUAL ASSETS**
[54] **ATTENUATION DE DERIVE DANS DES FICHIERS AUDIOVISUELS**
[72] CHAKRAVARTHY, SREERAM, US
[72] TIWARY, SHINJAN, US
[72] SUTHERLAND, HAROLD, US
[72] PURI, ROHIT, US
[71] NETFLIX, INC., US
[85] 2018-02-28
[86] 2016-08-29 (PCT/US2016/049290)
[87] (WO2017/040413)
[30] US (14/841,533) 2015-08-31

[21] **2,997,018**
[13] A1
[51] **Int.Cl. C01B 39/02 (2006.01) B01J 29/00 (2006.01) C01B 39/48 (2006.01)**
[25] EN
[54] **MOLECULAR SIEVE SSZ-91, METHODS FOR PREPARING SSZ-91, AND USES FOR SSZ-91**
[54] **TAMIS MOLECULAIRE SSZ-91, PROCEDES DE PREPARATION DE SSZ-91, ET UTILISATIONS DE SSZ-91**
[72] OJO, ADEOLA FLORENCE, US
[72] XIE, DAN, US
[72] ZHANG, YIHUA, US
[72] LEI, GUAN-DAO, US
[71] CHEVRON U.S.A. INC., US
[85] 2018-02-22
[86] 2016-08-11 (PCT/US2016/046614)
[87] (WO2017/034823)
[30] US (14/837,071) 2015-08-27
[30] US (14/837,087) 2015-08-27
[30] US (14/837,094) 2015-08-27
[30] US (14/837,108) 2015-08-27

[21] **2,997,019**
[13] A1
[51] **Int.Cl. G09B 9/04 (2006.01)**
[25] EN
[54] **LOCOMOTIVE ELECTRICAL SYSTEMS SIMULATOR**
[54] **SIMULATEUR DE SYSTEME ELECTRIQUE DE LOCOMOTIVE**
[72] DOUGLAS, RONNIE JOE, US
[72] FORTNER, BENNIE RAY, US
[71] BNSF RAILWAY COMPANY, US
[85] 2018-02-28
[86] 2016-09-01 (PCT/US2016/049841)
[87] (WO2017/040751)
[30] US (62/212,794) 2015-09-01
[30] US (15/071,625) 2016-03-16

[21] **2,997,020**
[13] A1
[51] **Int.Cl. H01L 31/076 (2012.01)**
[25] EN
[54] **TANDEM JUNCTION PHOTOVOLTAIC CELL**
[54] **CELLULE PHOTOVOLTAIQUE A JONCTIONS EN TANDEM**
[72] GASPARI, FRANCO, CA
[72] CHKREBTII, ANATOLI, CA
[71] INTRIENERGY INC., US
[85] 2018-02-22
[86] 2015-07-28 (PCT/US2015/042419)
[87] (WO2016/032664)
[30] US (14/467,071) 2014-08-25

[21] **2,997,022**
[13] A1
[51] **Int.Cl. F02K 1/72 (2006.01)**
[25] EN
[54] **THRUST REVERSER ASSEMBLY**
[54] **ENSEMBLE INVERSEUR DE POUSSEE**
[72] BEASMAN, TIMOTHY ROBERT, US
[72] ROACH, ANDREW MICHAEL, US
[72] HOWARTH, GRAHAM FRANK, US
[71] MRA SYSTEMS, LLC, US
[85] 2018-02-22
[86] 2015-09-09 (PCT/US2015/049102)
[87] (WO2017/044081)

[21] **2,997,031**
[13] A1
[51] **Int.Cl. E21B 19/08 (2006.01) E21B 19/14 (2006.01) E21B 19/16 (2006.01)**
[25] EN
[54] **PIPE STAND TRANSFER SYSTEM**
[54] **SYSTEME DE TRANSFERT DE LONGUEURS DE TIGES**
[72] KEOGH, GREGORY, US
[72] YATER, RONALD W., US
[72] RIGBY, DYLAN, US
[71] NATIONAL OILWELL VARCO, L.P., US
[85] 2018-02-22
[86] 2016-08-11 (PCT/US2016/046481)
[87] (WO2017/039996)
[30] US (62/214,084) 2015-09-03

[21] **2,997,032**
[13] A1
[51] **Int.Cl. A01N 63/02 (2006.01) A01C 1/06 (2006.01) A01N 25/00 (2006.01) A01N 25/28 (2006.01) A01P 21/00 (2006.01) C09D 105/00 (2006.01) C12N 1/04 (2006.01) C12N 11/10 (2006.01)**
[25] EN
[54] **STABLE INOCULANT COMPOSITIONS AND METHODS FOR PRODUCING SAME**
[54] **COMPOSITIONS D'INOCULANT STABLES ET PROCEDES DE PRODUCTION DE CES COMPOSITIONS**
[72] KELLAR, KENNETH EDMUND, US
[72] KANG, YAOWEI, US
[72] PELLIGRA, CLAIRE, US
[72] LOOZE, EMILY, US
[72] BURKLEW, CAITLIN, US
[72] WYSINSKI, ANNA, US
[72] LELAND, JARROD, US
[72] DOUGHAN, BEN, US
[72] FETHE, MICHAEL HARRISON, US
[72] TRAHAN, ASHLEY DELANIE, US
[72] GREENSHIELDS, DAVE, CA
[72] WOODS, KRISTI, US
[71] NOVOZYMES BIOAG A/S, DK
[85] 2018-02-28
[86] 2016-09-07 (PCT/US2016/050529)
[87] (WO2017/044473)
[30] US (62/217,250) 2015-09-11
[30] US (62/273,054) 2015-12-30
[30] US (62/296,766) 2016-02-18
[30] US (62/343,250) 2016-05-31

[21] **2,997,035**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) C12N 15/10 (2006.01)**
[25] EN
[54] **NUCLEIC ACID SEQUENCE ANALYSIS FROM SINGLE CELLS**
[54] **ANALYSE DE SEQUENCES D'ACIDES NUCLEIQUES PROVENANT DE CELLULES ISOLEES**
[72] SALATHIA, NEERAJ, US
[72] FAN, JIAN-BING, US
[72] KAPER, FIONA, US
[72] CANN, GORDON M., US
[72] JAMSHIDI, ARASH, US
[72] ARAVANIS, ALEX, US
[71] ILLUMINA, INC., US
[85] 2018-02-27
[86] 2016-08-26 (PCT/US2016/049046)
[87] (WO2017/040306)
[30] US (62/211,597) 2015-08-28
[30] US (14/855,207) 2015-09-15

[21] **2,997,037**
[13] A1
[51] **Int.Cl. A61B 5/145 (2006.01)**
[25] EN
[54] **KIT FOR DETERMINING AN ANALYTE CONCENTRATION**
[54] **KIT DE DETERMINATION DE CONCENTRATION D'ANALYTE**
[72] FREY, STEPHAN-MICHAEL, DE
[72] KUBE, OLIVER, DE
[72] HECK, WOLFGANG, DE
[72] WALTER, HELMUT, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2018-02-28
[86] 2016-09-01 (PCT/EP2016/070645)
[87] (WO2017/037191)
[30] EP (15183463.7) 2015-09-02

[21] **2,997,040**
[13] A1
[51] **Int.Cl. B01J 29/76 (2006.01) B01D 53/94 (2006.01) B01J 35/00 (2006.01) B01J 37/02 (2006.01)**
[25] EN
[54] **INTEGRATED SCR AND AMMONIA OXIDATION CATALYST SYSTEMS**
[54] **SYSTEMES DE CATALYSEUR A OXYDATION D'AMMONIAC ET SCR INTEGRES**
[72] HILGENDORFF, MARCUS, DE
[72] DUMBUYA, KARIFALA, DE
[72] ZABEL, CLAUDIA, DE
[72] STIEBELS, SUSANNE, DE
[71] BASF SE, DE
[85] 2018-02-28
[86] 2016-08-29 (PCT/EP2016/070292)
[87] (WO2017/037006)
[30] EP (15183947.9) 2015-09-04

[21] **2,997,041**
[13] A1
[51] **Int.Cl. C07D 307/08 (2006.01) C07C 29/141 (2006.01) C07C 31/20 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF 1,4-BUTANEDIOL AND TETRAHYDROFURAN FROM FURAN**
[54] **PROCEDE DE PRODUCTION DE 1,4-BUTANEDIOL ET DE TETRAHYDROFURANE A PARTIR DE FURANE**
[72] WADMAN, SIPKE HIDDE, NL
[72] LANGE, JEAN PAUL ANDRE MARIE JOSEPH GHISLAIN, NL
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2018-02-28
[86] 2016-09-08 (PCT/EP2016/071221)
[87] (WO2017/042289)
[30] EP (15184742.3) 2015-09-10

[21] **2,997,045**
[13] A1
[51] **Int.Cl. E06B 3/673 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR FILLING A SPACER FRAME FOR PRODUCING AN INSULATING GLAZING UNIT**
[54] **PROCEDE ET DISPOSITIF DE REMPLISSAGE D'UN CADRE D'ECARTEMENT POUR LA FABRICATION D'UN VITRAGE ISOLANT**
[72] SCHREIBER, WALTER, DE
[72] FRANK, KATRIN, DE
[72] STAHL-BIDINGER, MARKUS, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2018-02-28
[86] 2016-09-05 (PCT/EP2016/070850)
[87] (WO2017/037288)
[30] EP (15183671.5) 2015-09-03

[21] **2,997,053**
[13] A1
[51] **Int.Cl. B60T 15/18 (2006.01) B60T 15/20 (2006.01)**
[25] EN
[54] **SEQUENCING VALVE FOR A BRAKE CYLINDER HAVING AN AUTOMATIC PARKING BRAKE**
[54] **SOUPAPE DE SEQUENCE POUR UN CYLINDRE DE FREIN PRESENTANT UN FREIN DE STATIONNEMENT AUTOMATIQUE**
[72] NEULIEB, ROBERT, US
[72] HUBER, HOWARD, JR., US
[72] PARNAPY, KEITH, US
[72] FERGUSON, CHRISTOPHER J., US
[72] SAUTER, JEFFREY, US
[71] NEW YORK AIR BRAKE LLC, US
[85] 2018-02-28
[86] 2015-09-01 (PCT/US2015/047867)
[87] (WO2017/039639)

[21] **2,997,094**
[13] A1
[51] **Int.Cl. A61B 17/16 (2006.01)**
[25] EN
[54] **SURGICAL BURS**
[54] **FRAISES CHIRURGICALES**
[72] VU, MICHAEL, US
[72] STEARNS, DONALD E., US
[71] MEDTRONIC PS MEDICAL, INC., US
[85] 2018-02-28
[86] 2016-08-30 (PCT/US2016/049464)
[87] (WO2017/040509)
[30] US (14/840,217) 2015-08-31

[21] **2,997,096**
[13] A1
[51] **Int.Cl. G06Q 30/08 (2012.01) G06Q 30/06 (2012.01) G06Q 50/10 (2012.01)**
[25] EN
[54] **CONTINUOUS BIDDING PORTAL**
[54] **PORTAIL D'ENCHERES CONTINUES**
[72] SWEEDER, SCOTT, US
[72] LAING, ANDREW, US
[72] WIDMER, ERIC, US
[72] ALLEN, TAMMY, US
[71] ALLIANCE INSPECTION MANAGEMENT, LLC, US
[85] 2018-02-28
[86] 2016-08-29 (PCT/US2016/049301)
[87] (WO2017/040419)
[30] US (62/211,316) 2015-08-28

[21] **2,997,104**
[13] A1
[51] **Int.Cl. C03C 17/36 (2006.01)**
[25] EN
[54] **SOLAR CONTROL COATING WITH ENHANCED SOLAR CONTROL PERFORMANCE**
[54] **REVETEMENT DE CONTROLE SOLAIRE A PERFORMANCES AMELIOREES DE CONTROLE SOLAIRE**
[72] WAGNER, ANDREW V., US
[72] FISHER, PATRICK, US
[72] MEDWICK, PAUL A., US
[71] VITRO, S.A.B. DE C.V., MX
[85] 2018-02-28
[86] 2016-08-31 (PCT/US2016/049554)
[87] (WO2017/040563)
[30] US (62/212,665) 2015-09-01
[30] US (62/311,440) 2016-03-22
[30] US (15/251,025) 2016-08-30

[21] **2,997,105**
[13] A1
[51] **Int.Cl. E21B 34/14 (2006.01) E21B 43/08 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEMS AND METHODS FOR MULTI-STAGE STIMULATION**
[54] **APPAREIL, SYSTEMES ET PROCEDES DESTINES A LA STIMULATION DE MULTIPLES ETAGES**
[72] FACCA, LEWIS, CA
[72] STYLER, GRAHAM, CA
[72] SUSHKO, ANDREW, CA
[72] TAIT, WILLIAM, CA
[72] RADMANOVICH, D.J., US
[72] BELLAVANCE, MIKE, US
[71] NATIONAL OILWELL VARCO, L.P., US
[85] 2018-02-28
[86] 2016-09-06 (PCT/US2016/050426)
[87] (WO2017/041105)
[30] US (62/214,843) 2015-09-04

[21] **2,997,117**
[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01) A61F 2/44 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **IMPLANTABLE NUCLEAR PROSTHESIS**
[54] **PROTHESE NUCLEAIRE IMPLANTABLE**
[72] LUTZ, JAMES D., US
[72] FRANCIS, W. LOREN, US
[72] NOVOTNY, MARK, US
[71] SPINAL STABILIZATION TECHNOLOGIES LLC, US
[85] 2018-02-28
[86] 2016-09-01 (PCT/US2016/049816)
[87] (WO2017/040734)
[30] US (62/212,950) 2015-09-01

[21] **2,997,123**
[13] A1
[51] **Int.Cl. C08F 210/16 (2006.01)**
[25] EN
[54] **METHODS FOR CONTROLLING DIE SWELL IN DUAL CATALYST OLEFIN POLYMERIZATION SYSTEMS**
[54] **PROCEDES DE COMMANDE DE GONFLEMENT A LA FILIERE DANS DES SYSTEMES DE POLYMERISATION D'OLEFINES A DOUBLE CATALYSEUR**
[72] GRECO, JEFFREY F., US
[72] YANG, QING, US
[72] ROHATGI, VIVEK, US
[72] HLAVINKA, MARK L, US
[72] ASKEW, JIM B., US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2018-02-28
[86] 2016-09-01 (PCT/US2016/049905)
[87] (WO2017/044376)
[30] US (14/848,405) 2015-09-09

[21] **2,997,125**
[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01) H04L 9/06 (2006.01) H04L 12/66 (2006.01)**
[25] EN
[54] **CLIENT(S) TO CLOUD OR REMOTE SERVER SECURE DATA OR FILE OBJECT ENCRYPTION GATEWAY**
[54] **PASSERELLE DE CHIFFREMENT D'OBJETS DE DONNEES OU DE FICHIER SECURISES A PARTIR D'UN OU DE PLUSIEURS CLIENTS VERS UN SERVEUR EN NUAGE OU ELOIGNE**
[72] ANDERSON, JORDAN, US
[72] TAKAHASHI, RICHARD J., US
[72] LITTLE, SEAN, US
[72] NOEHRING, LEE, US
[71] SECTURION SYSTEMS, INC., US
[85] 2018-02-28
[86] 2016-09-15 (PCT/US2016/051834)
[87] (WO2017/048896)
[30] US (62/219,795) 2015-09-17
[30] US (15/264,840) 2016-09-14

[21] **2,997,129**
[13] A1
[51] **Int.Cl. B01D 21/01 (2006.01) B03B 7/00 (2006.01) C01B 25/235 (2006.01) C01F 11/46 (2006.01) C02F 1/56 (2006.01)**
[25] EN
[54] **POLYMERIC MICROPARTICLES AS FILTRATION AND/OR CLARIFYING AIDS IN PHOSPHORIC ACID PRODUCTION**
[54] **MICROPARTICULES POLYMERES COMME ADJUVANTS DE FILTRATION ET/OU DE CLARIFICATION DANS LA PRODUCTION D'ACIDE PHOSPHORIQUE**
[72] ZHANG, LEI, US
[71] CYTEC INDUSTRIES INC., US
[85] 2018-02-28
[86] 2016-09-01 (PCT/US2016/049926)
[87] (WO2017/040795)
[30] US (62/212,835) 2015-09-01

[21] **2,997,132**
[13] A1
[51] **Int.Cl. A61M 1/00 (2006.01) A61M 3/02 (2006.01)**
[25] EN
[54] **TWO PIECE ULTRASONIC WELDED FLUID MANIFOLD WITH TWO SHOT OVER MOLDED IRRIGATION AND ASPIRATION VALVE AND VACUUM CHAMBER DIAPHRAGM**
[54] **COLLECTEUR DE FLUIDE SOUDE PAR ULTRASONS A DEUX COMPOSANTS AVEC VANNE D'IRRIGATION ET D'ASPIRATION SURMOULEE A DEUX COUPS ET DIAPHRAGME DE CHAMBRE A VIDE**
[72] ROSS, MARK W., US
[71] ABBOTT MEDICAL OPTICS INC., US
[85] 2018-02-28
[86] 2016-09-01 (PCT/US2016/049970)
[87] (WO2017/040833)
[30] US (14/842,669) 2015-09-01

[21] **2,997,135**
[13] A1
[51] **Int.Cl. G03F 1/62 (2012.01)**
[25] EN
[54] **A METHOD FOR MANUFACTURING A MEMBRANE ASSEMBLY**
[54] **PROCEDE DE FABRICATION D'UN ENSEMBLE MEMBRANE**
[72] HOUWELING, ZOMER SILVESTER, NL
[72] CASIMIRI, ERIC WILLEM FELIX, NL
[72] DRUZHININA, TAMARA, NL
[72] JANSSEN, PAUL, NL
[72] KUIJKEN, MICHAEL ALFRED JOSEPHUS, NL
[72] LEENDERS, MARTINUS HENDRIKUS ANTONIUS, NL
[72] OOSTERHOFF, SICCO, NL
[72] PETER, MARIA, NL
[72] VAN DER ZANDE, WILLEM JOAN, NL
[72] VAN ZWOL, PIETER-JAN, NL
[72] VERBRUGGE, BEATRIJS LOUISE MARIE-JOSEPH KATRIEN, NL
[72] VERMEULEN, JOHANNES PETRUS MARTINUS BERNARDUS, NL
[72] VLES, DAVID FERDINAND, NL
[72] VOORTHUIJZEN, WILLEM-PIETER, NL
[71] ASML NETHERLANDS B.V., NL
[85] 2018-02-28
[86] 2016-08-26 (PCT/EP2016/070161)
[87] (WO2017/036944)
[30] EP (15183437.1) 2015-09-02

[21] **2,997,138**
[13] A1
[51] **Int.Cl. E21B 43/16 (2006.01) C09K 8/58 (2006.01) E21B 43/20 (2006.01) E21B 43/22 (2006.01) E21B 43/40 (2006.01)**
[25] EN
[54] **ENHANCED OIL RECOVERY COMPOSITIONS AND METHODS THEREOF**
[54] **COMPOSITIONS DE RECUPERATION AMELIOREE D'HUILE ET PROCEDES ASSOCIES**
[72] DWARAKANATH, VARADARAJAN, US
[72] SHONG, ROBERT G., US
[72] WINSLOW, GREGORY, US
[72] MALIK, TAIMUR, US
[72] SOLANO, MARLON, US
[71] CHEVRON U.S.A. INC., US
[85] 2018-02-28
[86] 2016-09-02 (PCT/US2016/050067)
[87] (WO2017/040903)
[30] US (62/213,495) 2015-09-02

[21] **2,997,145**
[13] A1
[51] **Int.Cl. H04R 5/027 (2006.01) G02B 27/22 (2018.01) H04R 3/02 (2006.01)**
[25] EN
[54] **PORTABLE AUDIO-VIDEO RECORDING DEVICE**
[54] **DISPOSITIF D'ENREGISTREMENT AUDIO-VIDEO PORTABLE**
[72] MEIRLAEN, SAMUEL, BE
[71] BIG BOY SYSTEMS, BE
[85] 2018-03-01
[86] 2016-08-31 (PCT/EP2016/070523)
[87] (WO2017/037119)
[30] BE (BE2015/0217) 2015-09-02

[21] **2,997,149**
[13] A1
[51] **Int.Cl. D06F 39/08 (2006.01) B01D 46/44 (2006.01) D06F 39/10 (2006.01) D06F 58/22 (2006.01) G01M 3/04 (2006.01)**
[25] FR
[54] **DRYER, PARTICULARLY FOR DRYING CLEAN-ROOM GARMENTS AND ACCESSORIES**
[54] **SECHOIR, EN PARTICULIER POUR LE SECHAGE DE VETEMENTS ET D'ACCESSOIRES POUR SALLE BLANCHE**
[72] GERARD, PATRICK, BE
[71] MANOHA, BE
[85] 2018-02-28
[86] 2016-09-09 (PCT/EP2016/071323)
[87] (WO2017/042343)
[30] BE (2015/5568) 2015-09-11

[21] **2,997,169**
[13] A1
[51] **Int.Cl. B01D 61/00 (2006.01) B01D 67/00 (2006.01) B01D 71/02 (2006.01) F03G 7/00 (2006.01) H01M 8/22 (2006.01)**
[25] FR
[54] **DISPOSITIF DE PRODUCTION D'ENERGIE PAR GRADIENT DE SALINITE A TRAVERS DES MEMBRANES NANO-FLUIDIQUES A BASE D'OXYDE DE TITANE**
[54] **DEVICE FOR PRODUCING ENERGY BY SALINITY GRADIENT THROUGH TITANIUM OXIDE NANOFLUID MEMBRANES**
[72] MOTTET, BRUNO, FR
[72] BOCQUET, LYDERIC, FR
[72] SIRIA, ALESSANDRO, FR
[72] BECHELANY, MIKHAEL, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] SWEETCH ENERGY, FR
[85] 2018-02-28
[86] 2016-09-02 (PCT/EP2016/070683)
[87] (WO2017/037213)
[30] EP (15306346.6) 2015-09-02

[21] **2,997,170**
[13] A1
[51] **Int.Cl. C07H 19/06 (2006.01) A61K 31/7072 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **ANTI-VIRAL TETRAHYDROFURANE DERIVATIVES**
[54] **DERIVES ANTI-VIRAUX DE TETRAHYDROFURANE**
[72] CHAU, JACLYN, CA
[72] CHEN, HUI-JU J., US
[72] DEGOEY, DAVID A., US
[72] HARTUNG, JOHN, US
[72] IDE, NATHAN, US
[72] KALTHOD, VIKRAM, US
[72] KRUEGER, ALLAN C., US
[72] KU, YI-YIN, US
[72] LI, TONGMEI, US
[72] RANDOLPH, JOHN T., US
[72] WAGNER, ROLF, US
[72] HALVORSEN, GEOFF T., US
[72] MARVIN, CHRISTOPHER C., US
[72] BROWN, BRIAN S., US
[72] SHRESTHA, ANURUPA, US
[72] HEYMAN, HOWARD R., US
[72] MARTINEZ, STEVEN R., US
[72] VOIGHT, ERIC, US
[71] ABBVIE INC., US
[85] 2018-03-01
[86] 2016-09-01 (PCT/US2016/049873)
[87] (WO2017/040766)
[30] US (62/213,378) 2015-09-02
[30] US (62/242,136) 2015-10-15
[30] US (62/253,426) 2015-11-10
[30] US (62/294,449) 2016-02-12
[30] US (62/296,801) 2016-02-18
[30] US (62/321,538) 2016-04-12
[30] US (62/327,087) 2016-04-25
[30] US (62/351,038) 2016-06-16
[30] US (62/363,640) 2016-07-18
[30] US (62/375,029) 2016-08-15

[21] **2,997,172**
[13] A1
[51] **Int.Cl. A01N 59/04 (2006.01) A01N 25/30 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **FUNGICIDE FOR THE TREATMENT OF FUNGAL PATHOGENS CAUSING MYCOTOXINS**
[54] **FONGICIDE DESTINE AU TRAITEMENT DE PATHOGENES FONGIQUES CAUSANT DES MYCOTOXINES**
[72] MILLING, RICHARD, GB
[72] LAFFRANQUE, JEAN-PIERRE, FR
[72] TIGGEMANN, BERND, DE
[72] SHIRES, STEPHEN, GB
[71] AGRONATURALIS LTD, GB
[85] 2018-02-28
[86] 2016-09-05 (PCT/EP2016/070814)
[87] (WO2017/037277)
[30] GB (1515600.3) 2015-09-03

[21] **2,997,178**
[13] A1
[51] **Int.Cl. B65D 47/06 (2006.01) B65D 47/36 (2006.01) B65D 51/24 (2006.01)**
[25] EN
[54] **DISPOSABLE CUP LID**
[54] **COUVERCLE DE GOBELET JETABLE**
[72] OAKES, SHAWN A., US
[72] MOCADLO, CHERYL ANN, US
[72] SHERRIFF, DANIELLE MARIE, US
[71] GPCP IP HOLDINGS LLC, US
[85] 2018-03-01
[86] 2016-09-01 (PCT/US2016/049892)
[87] (WO2017/040777)
[30] US (62/213,484) 2015-09-02

[21] **2,997,179**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR MODULATING T-CELL MEDIATED IMMUNE RESPONSE**
[54] **COMPOSITIONS ET PROCEDES DE MODULATION D'UNE REPONSE IMMUNITAIRE A LYMPHOCYTES T**
[72] ZHU, YUWEN, US
[72] EDIL, BARISH H., US
[72] SCHULICK, RICHARD D., US
[72] PANICCIA, ALESSANDRO, US
[72] KOENIG, MICHELLE, US
[72] SCHULICK, ALEXANDER C., US
[71] THE REGENTS OF THE UNVERSITY OF COLORADO, A BODY CORPORATE, US
[85] 2018-02-28
[86] 2016-09-02 (PCT/US2016/050219)
[87] (WO2017/041004)
[30] US (62/213,305) 2015-09-02
[30] US (62/370,512) 2016-08-03

[21] **2,997,181**
[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/145 (2006.01) A61K 39/21 (2006.01) C07K 2/00 (2006.01)**
[25] EN
[54] **STABILIZED VIRAL CLASS I FUSION PROTEINS**
[54] **PROTEINES DE FUSION DE CLASSE I VIRALES STABILISEES**
[72] LANGEDIJK, JOHANNES PETRUS MARIA, NL
[71] JANSSEN VACCINES & PREVENTION B.V., NL
[85] 2018-03-01
[86] 2016-09-01 (PCT/EP2016/070654)
[87] (WO2017/037196)
[30] US (62/213,466) 2015-09-02

[21] **2,997,186**
[13] A1
[51] **Int.Cl. F04B 27/04 (2006.01) F04B 25/00 (2006.01)**
[25] EN
[54] **SEALED CAVITY COMPRESSOR TO REDUCE CONTAMINANT INDUCTION**
[54] **COMPRESSEUR A CAVITE HERMETIQUE SERVANT A REDUIRE L'INDUCTION DE CONTAMINANTS**
[72] GOLDENSOPH, GERIN, US
[72] BROWN, JEFF, US
[71] CARLETON LIFE SUPPORT SYSTEMS, INC., US
[85] 2018-03-01
[86] 2016-07-27 (PCT/US2016/044234)
[87] (WO2017/019758)
[30] US (14/809,885) 2015-07-27

[21] **2,997,187**
[13] A1
[51] **Int.Cl. A61K 31/454 (2006.01) A61P 25/00 (2006.01) A61P 25/14 (2006.01)**
[25] EN
[54] **METHODS OF DIAGNOSING AND TREATING TOURETTE SYNDROME**
[54] **METHODES DE DIAGNOSTIC ET DE TRAITEMENT DU SYNDROME DE GILLES DE LA TOURETTE**
[72] HAKONARSON, HAKON, US
[72] KAO, CHARLLY, US
[71] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US
[85] 2018-02-28
[86] 2016-09-07 (PCT/US2016/050573)
[87] (WO2017/044497)
[30] US (62/215,628) 2015-09-08
[30] US (62/215,633) 2015-09-08
[30] US (62/215,636) 2015-09-08
[30] US (62/215,673) 2015-09-08

[21] **2,997,188**
[13] A1
[51] **Int.Cl. A61K 31/454 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **NONSELECTIVE METABOTROPIC GLUTAMATE RECEPTOR ACTIVATORS FOR TREATMENT OF ATTENTION DEFICIT DISORDER AND 22Q SYNDROME**
[54] **ACTIVATEURS DU RECEPTEUR METABOTROPIQUE DU GLUTAMATE NON SELECTIFS POUR LE TRAITEMENT DU TROUBLE DEFICITAIRE DE L'ATTENTION ET DU SYNDROME 22Q**
[72] HAKONARSON, HAKON, US
[72] KAO, CHARLLY, US
[71] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US
[85] 2018-02-28
[86] 2016-09-07 (PCT/US2016/050559)
[87] (WO2017/044491)
[30] US (62/215,628) 2015-09-08
[30] US (62/215,633) 2015-09-08
[30] US (62/215,636) 2015-09-08
[30] US (62/215,673) 2015-09-08

[21] **2,997,189**
[13] A1
[51] **Int.Cl. A61K 31/454 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **METHODS OF DIAGNOSING AND TREATING CONDUCT DISORDER**
[54] **METHODES DE DIAGNOSTIC ET DE TRAITEMENT DU TROUBLES DES CONDUITES**
[72] HAKONARSON, HAKON, US
[72] KAO, CHARLLY, US
[71] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US
[85] 2018-02-28
[86] 2016-09-07 (PCT/US2016/050580)
[87] (WO2017/044502)
[30] US (62/215,628) 2015-09-08
[30] US (62/215,633) 2015-09-08
[30] US (62/215,636) 2015-09-08
[30] US (62/215,673) 2015-09-08

[21] **2,997,191**
[13] A1
[51] **Int.Cl. A61K 31/454 (2006.01) A61P 25/00 (2006.01) A61P 25/22 (2006.01)**
[25] EN
[54] **METHODS OF DIAGNOSING AND TREATING ANXIETY DISORDER**
[54] **METHODES DE DIAGNOSTIC ET DE TRAITEMENT DES TROUBLES ANXIEUX**
[72] HAKONARSON, HAKON, US
[72] KAO, CHARLLY, US
[71] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US
[85] 2018-02-28
[86] 2016-09-07 (PCT/US2016/050581)
[87] (WO2017/044503)
[30] US (62/215,628) 2015-09-08
[30] US (62/215,633) 2015-09-08
[30] US (62/215,636) 2015-09-08
[30] US (62/215,673) 2015-09-08

[21] **2,997,194**
[13] A1
[51] **Int.Cl. H04L 29/08 (2006.01) G06F 9/455 (2018.01)**
[25] EN
[54] **SYSTEM, METHOD AND COMPUTER-READABLE STORAGE MEDIUM FOR CUSTOMIZABLE EVENT-TRIGGERED COMPUTATION AT EDGE LOCATIONS**
[54] **SYSTEME, PROCEDE ET SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR POUR UN CALCUL DECLENCHE PAR UN EVENEMENT PERSONNALISABLE A DES EMPLACEMENTS PERIPHERIQUES**
[72] RADHAKRISHNAN, MANIGANDAN, US
[72] ZAKHARENKO, OLEKSII, US
[72] HOWARD, CRAIG WESLEY, US
[72] VIJAYARAGHAVAN, VENKATESH, US
[72] KATIYAR, SHUBHAM, US
[71] AMAZON TECHNOLOGIES, INC., US
[85] 2018-02-28
[86] 2016-09-09 (PCT/US2016/050969)
[87] (WO2017/044761)
[30] US (14/852,256) 2015-09-11
[30] US (14/852,272) 2015-09-11

[21] **2,997,199**
[13] A1
[51] **Int.Cl. C08F 2/22 (2006.01) A01N 43/56 (2006.01) C08F 10/00 (2006.01) C08F 12/00 (2006.01) C08F 18/00 (2006.01) C08F 20/00 (2006.01)**
[25] EN
[54] **PENFLUFEN-CONTAINING POLYMER PARTICLES**
[54] **PARTICULES POLYMERES CONTENANT DU PENFLUFENE**
[72] UHR, HERMANN, DE
[72] JAETSCH, THOMAS, DE
[71] LANXESS DEUTSCHLAND GMBH, DE
[85] 2018-03-01
[86] 2016-08-10 (PCT/EP2016/069047)
[87] (WO2017/036755)
[30] EP (15183408.2) 2015-09-02

[21] **2,997,200**
[13] A1
[51] **Int.Cl. H04L 25/49 (2006.01) H04W 12/02 (2009.01) H03M 3/02 (2006.01) H04L 9/00 (2006.01) H04M 1/725 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR TRANSMISSION OF ARBITRARY DATA VIA BLUETOOTH HFP AUDIO CONNECTIONS WITH LOW LATENCY**
[54] **PROCEDES ET SYSTEMES POUR LA TRANSMISSION DE DONNEES ARBITRAIRES PAR L'INTERMEDIAIRE DE CONNEXIONS AUDIO HFP BLUETOOTH AYANT UNE FAIBLE LATENCE**
[72] SELTZER, STEVEN, CH
[71] NAGRAVISION S.A., CH
[85] 2018-03-01
[86] 2016-08-16 (PCT/EP2016/069359)
[87] (WO2017/041994)
[30] US (14/849,284) 2015-09-09

[21] **2,997,201**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/713 (2006.01) A61P 9/10 (2006.01)**
[25] EN
[54] **MICRORNAS FOR THE TREATMENT OF HEART DISEASES**
[54] **MICROARN POUR LE TRAITEMENT DE CARDIOPATHIES**
[72] WINDT DE, LEON JOHANNES, NL
[72] DIRKX, ELLEN, NL
[72] GIACCA, MAURO, IT
[71] UNIVERSITEIT MAASTRICHT, NL
[71] ACADEMISCH ZIEKENHUIS MAASTRICHT, NL
[85] 2018-03-01
[86] 2016-08-18 (PCT/EP2016/069636)
[87] (WO2017/036811)
[30] EP (15183318.3) 2015-09-01

[21] **2,997,202**
[13] A1
[51] **Int.Cl. E06B 3/663 (2006.01)**
[25] FR
[54] **HIGHLY INSULATED FLOOR-TO-CEILING WINDOW**
[54] **BAIE VITREE SUPER ISOLANTE**
[72] BOUCHER, NICOLAS, BE
[72] BOUESNARD, OLIVIER, BE
[72] SCHNEIDER, PIERRE, FR
[72] CLOSSET, FRANCOIS, BE
[71] AGC GLASS EUROPE, BE
[85] 2018-03-01
[86] 2016-08-22 (PCT/EP2016/069779)
[87] (WO2017/036834)
[30] EP (15183891.9) 2015-09-04
[30] EP (16174104.6) 2016-06-13

[21] **2,997,204**
[13] A1
[51] **Int.Cl. H04N 21/418 (2011.01) H04N 21/436 (2011.01) H04N 21/4405 (2011.01)**
[25] EN
[54] **METHOD AND DEVICE TO TRANSFER A VIDEO STREAM BETWEEN A HOST DEVICE AND AN ELECTRONIC DESCRAMBLING DEVICE**
[54] **PROCEDE ET DISPOSITIF POUR TRANSFERER UN FLUX VIDEO ENTRE UN DISPOSITIF HOTE ET UN DISPOSITIF DE DESEMBROUILLAGE ELECTRONIQUE**
[72] GREMAUD, FABIEN, CH
[71] NAGRAVISION S.A., CH
[85] 2018-03-01
[86] 2016-08-29 (PCT/EP2016/070274)
[87] (WO2017/036996)
[30] EP (15183327.4) 2015-09-01

[21] **2,997,205**
[13] A1
[51] **Int.Cl. C08F 2/22 (2006.01) A01N 25/10 (2006.01) A01N 43/56 (2006.01) A01N 59/20 (2006.01) C08F 10/00 (2006.01) C08F 12/00 (2006.01) C08F 18/00 (2006.01) C08F 20/00 (2006.01)**
[25] EN
[54] **BIOCIDAL MIXTURES**
[54] **MELANGES BIOCIDES**
[72] UHR, HERMANN, DE
[72] JAETSCH, THOMAS, DE
[71] LANXESS DEUTSCHLAND GMBH, DE
[85] 2018-03-01
[86] 2016-08-31 (PCT/EP2016/070521)
[87] (WO2017/037118)
[30] EP (15183408.2) 2015-09-02
[30] EP (16157033.8) 2016-02-24

[21] **2,997,206**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **NOVEL BIOMARKERS AND METHODS OF TREATING CANCER**
[54] **NOUVEAUX BIOMARQUEURS ET PROCEDES DE TRAITEMENT DU CANCER**
[72] VALDERAS, ALVARO AVIVAR, GB
[72] CRUZALEGUI, FRANCISCO HUMBERTO, GB
[72] HUDSON, KEVIN, GB
[72] MCEWEN, ROBERT KENNETH, GB
[71] ASTRAZENECA AB, SE
[85] 2018-03-01
[86] 2016-09-16 (PCT/EP2016/072069)
[87] (WO2017/046394)
[30] US (62/219,698) 2015-09-17

[21] **2,997,212**
[13] A1
[51] **Int.Cl. H04L 29/08 (2006.01) G06F 9/52 (2006.01)**
[25] EN
[54] **PROVIDING SAFETY RELATED CONTEXTUAL INFORMATION IN A PERSONAL PROTECTIVE EQUIPMENT SYSTEM**
[54] **FOURNITURE D'INFORMATION CONTEXTUELLE ASSOCIEE A LA SECURITE DANS UN SYSTEME D'EQUIPEMENT DE PROTECTION INDIVIDUELLE**
[72] BAHNERS, MICHAEL, DE
[72] BIALLUCH, ROBERT, DE
[72] BRUECKMANN, NADINE E., DE
[72] HERFORT, FRANK T., DE
[72] KANUKURTHY, KIRAN S., US
[72] LIERSE, MARKUS GUNTHER WILFRIED, DE
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2018-03-01
[86] 2016-08-29 (PCT/US2016/049236)
[87] (WO2017/040393)
[30] US (62/212,867) 2015-09-01

[21] **2,997,213**
[13] A1
[51] **Int.Cl. A61K 38/47 (2006.01) A61P 1/12 (2006.01) A61P 31/04 (2006.01) C12N 9/24 (2006.01)**
[25] EN
[54] **GLYCOSIDE HYDOLASES AND THEIR USE IN PREVENTING AND/OR TREATING A PATHOGENIC INFECTION IN AN ANIMAL**
[54] **GLYCOSIDE HYDROLASES ET LEUR UTILISATION DANS LA PREVENTION ET/OU LE TRAITEMENT D'UNE INFECTION PATHOGENE CHEZ UN ANIMAL**
[72] POULSEN, CHARLOTTE HORSMANS, DK
[72] HAANING, SVEND, DK
[71] DUPONT NUTRITION BIOSCIENCES APS, DK
[85] 2018-03-01
[86] 2016-08-30 (PCT/US2016/049439)
[87] (WO2017/040499)
[30] US (62/213,564) 2015-09-02

[21] **2,997,214**
[13] A1
[51] **Int.Cl. E21B 3/02 (2006.01) E21B 19/16 (2006.01) E21B 19/20 (2006.01)**
[25] EN
[54] **COMBINED MULTI-COUPLER FOR TOP DRIVE**
[54] **MULTI-COUPLEUR COMBINE POUR UN MECANISME D'ENTRAINEMENT SUPERIEUR**
[72] ZOUHAIR, AICAM, US
[72] THIEMANN, BJOERN, DE
[72] LIESS, MARTIN, DE
[72] WERN, FRANK, DE
[72] OWNBY, JOHN FIELDING, US
[72] HEBEBRAND, CHRISTINA KARIN, DE
[72] AMEZAGA, FEDERICO, US
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2018-03-01
[86] 2016-08-30 (PCT/US2016/049462)
[87] (WO2017/040508)
[30] US (62/214,310) 2015-09-04
[30] US (15/004,736) 2016-01-22

[21] **2,997,215**
[13] A1
[51] **Int.Cl. A61B 17/34 (2006.01) A61B 17/02 (2006.01)**
[25] EN
[54] **MULTI-PORT ACCESS DEVICE FOR MINIMALLY INVASIVE SURGICAL PROCEDURES**
[54] **DISPOSITIF D'ACCES A ORIFICES MULTIPLES POUR INTERVENTIONS CHIRURGICALES MINIMALEMENT INVASIVES**
[72] ZERGIEBEL, EARL M., US
[72] MASTRI, DOMINICK, US
[72] STEARNS, RALPH, US
[71] SURGIQUEST, INC., US
[85] 2018-03-01
[86] 2016-08-31 (PCT/US2016/049613)
[87] (WO2017/040602)
[30] US (62/212,776) 2015-09-01

[21] **2,997,217**
[13] A1
[51] **Int.Cl. C07K 14/705 (2006.01)**
[25] EN
[54] **TUNABLE VARIANT IMMUNOGLOBULIN SUPERFAMILY DOMAINS AND ENGINEERED CELL THERAPY**
[54] **DOMAINES DE LA SUPERFAMILLE DES IMMUNOGLOBULINES A VARIANTS ACCORDABLES ET THERAPIE CELLULAIRE MISE AU POINT**
[72] SWANSON, RYAN, US
[72] KORNACKER, MICHAEL, US
[71] ALPINE IMMUNE SCIENCES, INC., US
[85] 2018-02-28
[86] 2016-09-14 (PCT/US2016/051786)
[87] (WO2017/048878)
[30] US (62/218,531) 2015-09-14
[30] US (62/323,595) 2016-04-15
[30] US (62/323,608) 2016-04-15
[30] US (62/367,822) 2016-07-28
[30] US (62/367,819) 2016-07-28

[21] **2,997,226**
[13] A1
[51] **Int.Cl. A61M 16/04 (2006.01)**
[25] EN
[54] **SEALING MECHANISM FOR ANAESTHETIC AIRWAY DEVICES**
[54] **MECANISME D'ETANCHEITE POUR DISPOSITIFS DE VOIES AERIENNES ANESTHESIQUES**
[72] MCDONALD, NEIL, IE
[71] AIRWAY MEDICAL LIMITED, IE
[85] 2018-03-01
[86] 2015-09-01 (PCT/EP2015/069925)
[87] (WO2016/034572)
[30] EP (14183563.7) 2014-09-04

[21] **2,997,227**
[13] A1
[51] **Int.Cl. B64D 47/02 (2006.01) B64D 11/00 (2006.01)**
[25] EN
[54] **ESCAPE PATH MARKING FOR AIRCRAFT**
[54] **MARQUAGE DU CHEMIN D'EVACUATION POUR AVIONS**
[72] SUTTER, WOLFGANG, DE
[71] LUFTHANSA TECHNIK AG, DE
[85] 2018-03-01
[86] 2016-04-06 (PCT/EP2016/057463)
[87] (WO2017/041912)
[30] DE (10 2015 217 406.9) 2015-09-11

[21] **2,997,228**
[13] A1
[51] **Int.Cl. F16G 11/04 (2006.01) A63B 9/00 (2006.01)**
[25] EN
[54] **CONNECTOR**
[54] **CONNECTEUR**
[72] KOHLER, KARL HEINZ, DE
[71] BERLINER SEILFABRIK GMBH & CO., DE
[85] 2018-03-01
[86] 2016-08-31 (PCT/EP2016/070495)
[87] (WO2017/042071)
[30] DE (10 2015 115 388.2) 2015-09-11

[21] **2,997,229**
[13] A1
[51] **Int.Cl. A23L 2/60 (2006.01) A23L 7/117 (2016.01) A23L 27/12 (2016.01) A23L 27/21 (2016.01) A23L 27/23 (2016.01) A23L 27/30 (2016.01) A23L 27/60 (2016.01)**
[25] EN
[54] **STEVIA-CONTAINING FOOD AND BEVERAGE COMPOSITIONS**
[54] **COMPOSITIONS D'ALIMENTS ET DE BOISSONS A BASE DE STEVIA**
[72] SCHUBE, VIOLETTA, DE
[72] PAARMANN, CHRISTIANE, DE
[71] OHLY GMBH, DE
[85] 2018-03-01
[86] 2016-09-02 (PCT/EP2016/070774)
[87] (WO2017/037263)
[30] EP (15183587.3) 2015-09-02

[21] **2,997,230**
[13] A1
[51] **Int.Cl. B65G 1/137 (2006.01) B65G 1/04 (2006.01)**
[25] EN
[54] **METHOD FOR STORING A PLURALITY OF IDENTICAL PIECE GOODS IN A PICKING DEVICE**
[54] **DISPOSITIF D'EMMAGASINAGE D'UNE PLURALITE DE MARCHANDISES IDENTIQUES DANS UN DISPOSITIF DE PREPARATION DES COMMANDES**
[72] HELLENBRAND, CHRISTOPH
HERR, DE
[71] BECTON DICKINSON ROWA GERMANY GMBH, DE
[85] 2018-03-01
[86] 2016-09-05 (PCT/EP2016/070863)
[87] (WO2017/042128)
[30] EP (15184246.5) 2015-09-08

[21] **2,997,290**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 38/08 (2006.01) A61P 25/08 (2006.01)**
[25] EN
[54] **METHODS FOR THE TREATMENT OF EPILEPSY**
[54] **METHODES POUR LE TRAITEMENT DE L'EPILEPSIE**
[72] RAJAN, SHARMILA, US
[71] GENENTECH, INC., US
[85] 2018-03-01
[86] 2016-09-23 (PCT/US2016/053506)
[87] (WO2017/053842)
[30] US (62/222,983) 2015-09-24

[21] **2,997,404**
[13] A1
[51] **Int.Cl. G06F 21/64 (2013.01) G06Q 30/02 (2012.01) H04L 9/08 (2006.01)**
[25] EN
[54] **DATA VERIFICATION METHODS AND SYSTEMS USING A HASH TREE, SUCH AS A TIME-CENTRIC MERKLE HASH TREE**
[54] **PROCEDES ET SYSTEMES DE VERIFICATION DE DONNEES UTILISANT UN ARBRE DE HACHAGE, TEL QU'UN ARBRE DE HACHAGE DE MERKLE CENTRE SUR LE TEMPS**
[72] BLACK, TRON, US
[72] WILKINS, ALEC, US
[72] CHRISTENSEN, ROBERT, US
[71] T0.COM, INC., US
[85] 2018-03-02
[86] 2016-09-12 (PCT/US2016/051301)
[87] (WO2017/048630)
[30] US (14/852,955) 2015-09-14

[21] **2,997,495**
[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01) H04L 29/08 (2006.01)**
[25] EN
[54] **METHOD FOR SECURE CONNECTION FROM A CLIENT COMPUTER DEVICE TO A COMPUTER RESOURCE**
[54] **PROCEDE DE CONNEXION SECURISE, DEPUIS UN EQUIPEMENT INFORMATIQUE CLIENT, A UNE RESSOURCE INFORMATIQUE**
[72] ADDA, SERGE, FR
[72] ZHOU, RAPHAEL, FR
[71] WALLIX, FR
[85] 2018-03-01
[86] 2016-09-20 (PCT/FR2016/052372)
[87] (WO2017/051104)
[30] FR (1558890) 2015-09-21

[21] **2,997,496**
[13] A1
[51] **Int.Cl. D06F 75/20 (2006.01) D06F 75/12 (2006.01)**
[25] FR
[54] **STEAM-SMOOTHING APPARATUS INCLUDING A BASE CONNECTED TO A SMOOTHING HEAD VIA A PIPE**
[54] **APPAREIL DE DEFROISSAGE A LA VAPEUR COMPRENANT UNE BASE RELIEE A UNE TETE DE DEFROISSAGE PAR UN CONDUIT**
[72] JAVIT, MAXIME, FR
[72] SYLOR, FANG, CN
[72] WADE, LI, CN
[71] SEB S.A., FR
[85] 2018-03-01
[86] 2016-10-19 (PCT/FR2016/052696)
[87] (WO2017/068279)
[30] FR (1560114) 2015-10-23
[30] CN (201510724863.8) 2015-10-23

[21] **2,997,498**
[13] A1
[51] **Int.Cl. A61B 17/06 (2006.01) A61B 17/04 (2006.01)**
[25] EN
[54] **IMPROVED END EFFECTOR FOR WOUND CLOSURE DEVICE**
[54] **EFFECTEUR TERMINAL AMELIORE POUR DISPOSITIF DE FERMETURE DE PLAIE**
[72] LINDH, DAVID C., SR., US
[72] HUFF, JASON, US
[72] NAWROCKI, JESSE G., US
[72] PERKINS, JASON T., US
[72] SCOGNA, ROBERT, US
[72] SZABO, DAVE, US
[72] BEAKE, THOMAS G., US
[72] WISNIEWSKI, JONATHAN, US
[71] ETHICON LLC, US
[85] 2018-03-02
[86] 2016-08-30 (PCT/US2016/049457)
[87] (WO2017/040506)
[30] US (14/844,210) 2015-09-03

[21] **2,997,506**
[13] A1
[51] **Int.Cl. A61B 5/08 (2006.01) G01N 33/497 (2006.01) G01N 27/62 (2006.01)**
[25] EN
[54] **METHOD FOR THE DIAGNOSIS OF AIRWAY DISEASE INFLAMMATORY SUBTYPE**
[54] **METHODE POUR LE DIAGNOSTIC DE SOUS-TYPE INFLAMMATOIRE DE MALADIE DES VOIES RESPIRATOIRES**
[72] SCHLEICH, FLORENCE, BE
[72] LOUIS, RENAUD, BE
[72] BESSONOV, KYRYLO, BE
[72] VAN STEEN, KRISTEL, BE
[72] VAN SCHOOTEN, FREDERIK-JAN, NL
[72] DALLINGA, JAN, NL
[71] CENTRE HOSPITALIER UNIVERSITAIRE DE LIEGE, BE
[71] UNIVERSITE DE LIEGE, BE
[71] UNIVERSITEIT MAASTRICHT, NL
[85] 2018-03-02
[86] 2016-08-30 (PCT/EP2016/070346)
[87] (WO2017/050527)
[30] EP (15185986.5) 2015-09-21

[21] **2,997,508**
[13] A1
[51] **Int.Cl. G21G 7/00 (2009.01) G21G 1/10 (2006.01) G21G 1/12 (2006.01) G21G 4/02 (2006.01)**
[25] EN
[54] **NEUTRON AND PROTON GENERATING PROCESSES**
[54] **PROCESSUS DE GENERATION DE NEUTRONS ET DE PROTONS**
[72] MICHAUD, ANDRE, CA
[71] MICHAUD, ANDRE, CA
[85] 2018-03-02
[86] 2016-08-01 (PCT/CA2016/000201)
[87] (WO2017/041162)
[30] GB (1515910.6) 2015-09-08

[21] **2,997,512**
[13] A1
[51] **Int.Cl. B63C 7/26 (2006.01) B63B 21/00 (2006.01) G01S 7/521 (2006.01)**
[25] EN
[54] **TOW BODY ARRANGEMENT FOR A TOWABLE DEVICE IN A SONAR SYSTEM**
[54] **AGENCEMENT DE CORPS DE REMORQUAGE POUR UN DISPOSITIF REMORQUABLE DANS UN SYSTEME SONAR**
[72] NAMS, JANIS, CA
[72] CUNNINGHAM, DAN, CA
[72] YEATMAN, PAUL, CA
[72] ARMSTRONG, BRUCE A., CA
[71] GEOSPECTRUM TECHNOLOGIES INC., CA
[85] 2018-03-02
[86] 2016-09-02 (PCT/CA2016/051042)
[87] (WO2017/035660)
[30] CA (2,903,227) 2015-09-04

[21] **2,997,513**
[13] A1
[51] **Int.Cl. G10L 19/008 (2013.01) G10L 19/02 (2013.01) H04S 1/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM USING A LONG-TERM CORRELATION DIFFERENCE BETWEEN LEFT AND RIGHT CHANNELS FOR TIME DOMAIN DOWN MIXING A STEREO SOUND SIGNAL INTO PRIMARY AND SECONDARY CHANNELS**
[54] **PROCEDE ET SYSTEME UTILISANT UNE DIFFERENCE DE CORRELATION A LONG TERME ENTRE LES CANAUX GAUCHE ET DROIT POUR LE SOUS-MIXAGE TEMPOREL D'UN SIGNAL SONORE STEREO EN CANAUX PRIMAIRE ET SECONDAIRE**
[72] VAILLANCOURT, TOMMY, CA
[72] JELINEK, MILAN, CA
[71] VOICEAGE CORPORATION, CA
[85] 2018-03-02
[86] 2016-09-22 (PCT/CA2016/051106)
[87] (WO2017/049397)
[30] US (62/232,589) 2015-09-25
[30] US (62/362,360) 2016-07-14

[21] **2,997,516**
[13] A1
[51] **Int.Cl. C07K 14/435 (2006.01) A61K 38/17 (2006.01) A61P 1/16 (2006.01) A61P 35/00 (2006.01) C07K 14/08 (2006.01)**
[25] EN
[54] **ANALOGUES OF VDAC1-DERIVED PEPTIDES**
[54] **ANALOGUES DE PEPTIDES DERIVES DE VDAC1**
[72] SHOSHAN-BARMATZ, VARDA, IL
[71] B.G. NEGEV TECHNOLOGIES AND APPLICATIONS LTD., AT BEN-GURION UNIVERSITY, IL
[71] THE NATIONAL INSTITUTE FOR BIOTECHNOLOGY IN THE NEGEV LTD., IL
[85] 2018-03-02
[86] 2016-09-01 (PCT/IL2016/050958)
[87] (WO2017/037711)
[30] US (62/213,667) 2015-09-03

[21] **2,997,523**
[13] A1
[51] **Int.Cl. H04N 19/31 (2014.01) H04N 21/2662 (2011.01) H04N 21/438 (2011.01) H04N 19/587 (2014.01) H04N 19/70 (2014.01) H04N 19/85 (2014.01) H04N 7/01 (2006.01)**
[25] EN
[54] **TRANSMISSION DEVICE, TRANSMISSION METHOD, RECEPTION DEVICE, AND RECEPTION METHOD**
[54] **DISPOSITIF DE TRANSMISSION, PROCEDE DE TRANSMISSION, DISPOSITIF DE RECEPTION, ET PROCEDE DE RECEPTION**
[72] TSUKAGOSHI, IKUO, JP
[71] SONY CORPORATION, JP
[85] 2018-03-02
[86] 2016-09-07 (PCT/JP2016/076248)
[87] (WO2017/043504)
[30] JP (2015-178976) 2015-09-10

[21] **2,997,524**
[13] A1
[51] **Int.Cl. H02M 1/32 (2007.01)**
[25] EN
[54] **POWER CONVERTER CONFIGURED FOR LIMITING SWITCHING OVERVOLTAGE**
[54] **CONVERTISSEUR DE PUISSANCE CONCU POUR LIMITER UNE SURTENSION DE COMMUTATION**
[72] EL YACOUBI, MAALAININE, CA
[72] NOURRY, MARION, CA
[72] BLANCHARD ST-JACQUES, BENOIT, CA
[72] FLEURY, PASCAL, CA
[72] CYR, JEAN-MARC, CA
[72] AMAR, MOHAMMED, CA
[71] TM4 INC., CA
[85] 2018-03-02
[86] 2016-09-13 (PCT/CA2016/051079)
[87] (WO2017/045071)
[30] US (62/218,142) 2015-09-14

[21] **2,997,525**
[13] A1
[51] **Int.Cl. B05B 5/04 (2006.01) B05B 3/10 (2006.01)**
[25] EN
[54] **ROTARY ATOMIZATION TYPE PAINTING DEVICE AND ATOMIZATION HEAD**
[54] **DISPOSITIF ROTATIF DE PEINTURE DE TYPE A ATOMISATION ET TETE D'ATOMISATION**
[72] KISHIMOTO, NAOKI, JP
[72] SHOJI, MASAAKI, JP
[72] KOIKE, HIROKO, JP
[72] IKEDA, KOJI, JP
[72] YASHIMA, OSAMU, JP
[71] HONDA MOTOR CO., LTD., JP
[85] 2018-03-02
[86] 2016-07-20 (PCT/JP2016/071261)
[87] (WO2017/047223)
[30] JP (2015-184533) 2015-09-17

[21] **2,997,527**
[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **METHOD OF ALLOCATING RADIO RESOURCE AND DEVICE UTILIZING THE SAME**
[54] **PROCEDE D'ALLOCATION DE RESSOURCE RADIO ET DISPOSITIF UTILISANT CELUI-CI**
[72] FENG, BIN, CN
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2018-03-02
[86] 2015-11-13 (PCT/CN2015/094616)
[87] (WO2017/079982)

---

[21] **2,997,528**
[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) A61K 35/545 (2015.01) A61K 35/30 (2015.01) A61L 27/00 (2006.01) A61P 27/02 (2006.01) C12Q 1/02 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING RETINAL PIGMENT EPITHELIAL CELLS**
[54] **PROCEDE DE PRODUCTION DE CELLULES EPITHELIALES PIGMENTAIRES RETINIENNES**
[72] ANDO, SATOSHI, JP
[72] KURODA, TAKAO, JP
[71] SUMITOMO DAINIPPON PHARMA CO., LTD., JP
[71] HEALIOS K.K., JP
[85] 2018-03-02
[86] 2016-09-08 (PCT/JP2016/076524)
[87] (WO2017/043605)
[30] JP (2015-176896) 2015-09-08

---

[21] **2,997,530**
[13] A1
[51] **Int.Cl. C12Q 1/37 (2006.01) A01P 1/00 (2006.01) A61K 38/16 (2006.01) A61K 38/48 (2006.01) A61P 31/04 (2006.01) G01N 21/64 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **METHODS FOR IDENTIFYING NOVEL ANTIBIOTICS AND RELATED COMPOSITIONS**
[54] **PROCEDES D'IDENTIFICATION DE NOUVEAUX ANTIBIOTIQUES ET COMPOSITIONS ASSOCIEES**
[72] WOLAN, DENNIS W., US
[72] OWENSBY, ANNA, US
[71] THE SCRIPPS RESEARCH INSTITUTE, US
[85] 2018-03-02
[86] 2016-09-01 (PCT/US2016/049869)
[87] (WO2017/040762)
[30] US (62/214,695) 2015-09-04

---

[21] **2,997,532**
[13] A1
[51] **Int.Cl. G01R 31/28 (2006.01) G01R 31/30 (2006.01) H01L 21/66 (2006.01)**
[25] EN
[54] **TECHNIQUES TO IDENTIFY A PROCESS CORNER**
[54] **TECHNIQUES POUR IDENTIFIER UNE CONDITION EXTREME DE TRAITEMENT**
[72] PU, YU, US
[72] SAMSON, GIBY, US
[72] YUEN, KENDRICK HOY LEONG, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-03-02
[86] 2016-08-26 (PCT/US2016/049028)
[87] (WO2017/053006)
[30] US (62/232,486) 2015-09-25
[30] US (15/015,547) 2016-02-04

---

[21] **2,997,533**
[13] A1
[51] **Int.Cl. G06F 9/44 (2018.01)**
[25] EN
[54] **COMPONENT-BASED SOFTWARE SYSTEM AND DEVELOPMENT METHOD**
[54] **SYSTEME LOGICIEL A BASE DE COMPOSANTS ET PROCEDE DE DEVELOPPEMENT**
[72] YOUNG, YI, US
[71] YOUNG, YI, US
[85] 2018-03-02
[86] 2016-07-15 (PCT/US2016/042402)
[87] (WO2017/011718)
[30] US (62/193,151) 2015-07-16

---

[21] **2,997,535**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) C12N 1/21 (2006.01) C12N 9/16 (2006.01) C12N 15/00 (2006.01) C12N 15/55 (2006.01) C12N 15/66 (2006.01) C12N 15/70 (2006.01)**
[25] EN
[54] **EDITING MITOCHONDRIAL DNA**
[54] **EDITION DE L'ADN MITOCHONDRIAL**
[72] EKKER, STEPHEN C., US
[72] CAMPBELL, JARRYD M., US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
[85] 2018-03-02
[86] 2016-07-22 (PCT/US2016/043576)
[87] (WO2017/015567)
[30] US (62/195,875) 2015-07-23
[30] US (62/288,614) 2016-01-29

---

[21] **2,997,537**
[13] A1
[51] **Int.Cl. C07D 213/64 (2006.01) A61K 31/4425 (2006.01) A61K 31/444 (2006.01) A61K 31/4709 (2006.01) A61K 31/4725 (2006.01) A61K 31/498 (2006.01) A61K 31/4985 (2006.01) A61K 31/506 (2006.01) A61K 31/535 (2006.01) A61K 31/5355 (2006.01) A61P 31/10 (2006.01) C07D 213/65 (2006.01) C07D 239/34 (2006.01) C07D 241/18 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 405/14 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **BIARYL DERIVATIVE AND MEDICINE CONTAINING SAME**
[54] **DERIVE BIARYLE ET MEDICAMENT LE CONTENANT**
[72] WATANABE, ATSUSHI, JP
[72] SATO, YUUKI, JP
[72] OGURA, KEIJI, JP
[72] TATSUMI, YOSHIYUKI, JP
[71] KAKEN PHARMACEUTICAL CO., LTD., JP
[85] 2018-03-02
[86] 2016-09-14 (PCT/JP2016/077029)
[87] (WO2017/047602)
[30] JP (2015-185966) 2015-09-18

[21] **2,997,544**
[13] A1
[51] **Int.Cl. H01M 2/16 (2006.01) H01M 8/1018 (2016.01) C22C 38/44 (2006.01) C22C 38/48 (2006.01) C22C 38/50 (2006.01)**
[25] EN
[54] **STAINLESS STEEL FOR FUEL CELL SEPARATOR PLATE AND MANUFACTURING METHOD THEREFOR**
[54] **ACIER INOXYDABLE POUR PLAQUE SEPARATRICE DE PILE A COMBUSTIBLE ET SON PROCEDE DE FABRICATION**
[72] KIM, KWANG MIN, KR
[72] KIM, JONG HEE, KR
[72] JO, KI HOON, KR
[72] SEO, BO SUNG, KR
[71] POSCO, KR
[85] 2018-03-02
[86] 2016-07-29 (PCT/KR2016/007557)
[87] (WO2017/052047)
[30] KR (10-2015-0133565) 2015-09-22

[21] **2,997,547**
[13] A1
[51] **Int.Cl. C12N 5/22 (2006.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61K 31/495 (2006.01) A61K 39/00 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **GENETICALLY-ENGINEERED DRUG RESISTANT T CELLS AND METHODS OF USING THE SAME**
[54] **CELLULES T GENETIQUEMENT MODIFIEES RESISTANTES AUX MEDICAMENTS ET LEURS METHODES D'UTILISATION**
[72] LAMB, LAWRENCE S., US
[72] SPENCER, H. TRENT, US
[72] GILLESPIE, G. YANCEY, US
[71] THE UAB RESEARCH FOUNDATION, US
[71] EMORY UNIVERSITY, US
[71] CHILDREN'S HEALTHCARE OF ATLANTA, INC., US
[85] 2018-03-02
[86] 2016-09-06 (PCT/US2016/050428)
[87] (WO2017/041106)
[30] US (62/214,071) 2015-09-03

[21] **2,997,548**
[13] A1
[51] **Int.Cl. C07C 29/80 (2006.01) C07C 29/84 (2006.01)**
[25] EN
[54] **PROCESS FOR THE SEPARATION OF GLYCOLS**
[54] **PROCEDE DE SEPARATION DE GLYCOLS**
[72] VAN DER HEIDE, EVERT, NL
[72] HUIZENGA, PIETER, NL
[72] FISCHER, KAI JURGEN, NL
[72] PEREZ GOLF, CARMELO, NL
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2018-03-02
[86] 2016-09-21 (PCT/EP2016/072465)
[87] (WO2017/050847)
[30] EP (15186563.1) 2015-09-23
[30] EP (16170910.0) 2016-05-23

[21] **2,997,550**
[13] A1
[51] **Int.Cl. A61B 1/00 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **ILLUMINATED ENDOSCOPIC PEDICLE PROBE WITH DYNAMIC REAL TIME MONITORING FOR PROXIMITY TO NERVES**
[54] **SONDE PEDICULAIRE ENDOSCOPIQUE ECLAIREE A SURVEILLANCE DYNAMIQUE EN TEMPS REEL DE LA PROXIMITE PAR RAPPORT AUX NERFS**
[72] JACKSON, AVERY M., III, US
[71] JACKSON, AVERY M., III, US
[85] 2018-03-02
[86] 2016-09-19 (PCT/US2016/052484)
[87] (WO2017/049288)
[30] US (62/219,798) 2015-09-17
[30] US (15/269,327) 2016-09-19

[21] **2,997,552**
[13] A1
[51] **Int.Cl. A61B 1/227 (2006.01) A61B 5/01 (2006.01) A61B 5/024 (2006.01) A61B 5/1455 (2006.01) A61B 7/04 (2006.01) G06F 19/00 (2018.01)**
[25] EN
[54] **INTEGRATED MEDICAL DEVICE AND HOME BASED SYSTEM TO MEASURE AND REPORT VITAL PATIENT PHYSIOLOGICAL DATA VIA TELEMEDICINE**
[54] **DISPOSITIF MEDICAL INTEGRE ET SYSTEME DOMESTIQUE POUR MESURER ET RAPPORTER DES DONNEES PHYSIOLOGIQUES VITALES DE PATIENTS PAR TELEMEDECINE**
[72] ROSE, ROBERT HOWARD, US
[72] QAMAR, M. SAMIR, US
[71] ROSE, ROBERT HOWARD, US
[71] QAMAR, M. SAMIR, US
[71] MEDWAND SOLUTIONS, INC., US
[85] 2018-03-02
[86] 2016-09-08 (PCT/US2016/050794)
[87] (WO2017/044638)
[30] US (62/215,595) 2015-09-08

[21] **2,997,553**
[13] A1
[51] **Int.Cl. A23K 50/80 (2016.01) A23K 10/30 (2016.01) A23K 10/40 (2016.01) A23K 20/163 (2016.01) A23K 20/28 (2016.01) A61K 36/00 (2006.01)**
[25] EN
[54] **A COMPOSITION AND/OR COMBINATION FOR AQUACULTURE**
[54] **COMPOSITION ET/OU COMBINAISON POUR L'AQUACULTURE**
[72] ARIAV, RA' ANAN, IL
[72] FORSBERG, NEIL E., US
[72] PUNTENNEY, STEVEN B., US
[71] OMNIGEN RESEARCH, LLC, US
[85] 2018-03-02
[86] 2016-09-09 (PCT/US2016/051080)
[87] (WO2017/044832)
[30] US (62/216,162) 2015-09-09
[30] US (62/216,153) 2015-09-09

[21] **2,997,554**
[13] A1
[51] **Int.Cl. B26F 1/14 (2006.01) B21D 28/24 (2006.01) B21D 37/14 (2006.01) B26F 1/00 (2006.01) B26F 1/02 (2006.01) E06B 3/00 (2006.01)**
[25] EN
[54] **WINDOW SPACER FRAME PUNCH ASSEMBLY**
[54] **ENSEMBLE POINCON POUR CADRES D'ESPACEMENT DE FENETRES**
[72] BRIESE, WILLIAM, US
[72] HOFENER, PAUL A., US
[71] GED INTEGRATED SOLUTIONS, INC., US
[85] 2018-03-02
[86] 2016-09-15 (PCT/US2016/051898)
[87] (WO2017/048928)
[30] US (62/218,667) 2015-09-15
[30] US (15/265,382) 2016-09-14

[21] **2,997,555**
[13] A1
[51] **Int.Cl. H04N 21/435 (2011.01) H04N 21/218 (2011.01) H04N 21/439 (2011.01) H04N 21/8545 (2011.01)**
[25] EN
[54] **MULTI-AUDIO ANNOTATION**
[54] **ANNOTATION MULTI-AUDIO**
[72] LOPEZZAPICO, PABLO, US
[71] TIVO SOLUTIONS INC., US
[85] 2018-03-02
[86] 2017-02-28 (PCT/US2017/019923)
[87] (WO2017/151600)
[30] US (15/057,415) 2016-03-01

[21] **2,997,556**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A01N 43/00 (2006.01) A61K 31/4184 (2006.01) A61K 31/437 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/4545 (2006.01) A61K 31/506 (2006.01) C07D 235/06 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 403/04 (2006.01) C07D 405/04 (2006.01) C07D 405/14 (2006.01) C07D 409/04 (2006.01)**
[25] EN
[54] **SMALL MOLECULE INHIBITORS OF DYRK1A AND USES THEREOF**
[54] **PETITES MOLECULES INHIBITRICES DE DYRK1A ET LEURS UTILISATIONS**
[72] HULME, CHRISTOPHER, US
[72] DUNCKLEY, TRAVIS, US
[72] SHAW, YENG-JENG, US
[71] ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, US
[71] THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE, US
[85] 2018-03-02
[86] 2016-09-02 (PCT/US2016/050198)
[87] (WO2017/040993)
[30] US (62/213,904) 2015-09-03

[21] **2,997,557**
[13] A1
[51] **Int.Cl. B67D 7/74 (2010.01) B60S 5/02 (2006.01) G05D 11/02 (2006.01)**
[25] EN
[54] **TIME PRESSURE DOSING FUEL ADDITIVE DELIVERY SYSTEM**
[54] **SYSTEME DE DISTRIBUTION D'ADDITIF DE CARBURANT A DOSAGE HORODATE DE PRESSION**
[72] MARKWARDT, AARON LYNN, US
[71] ADDITECH, INC., US
[85] 2018-03-02
[86] 2016-09-02 (PCT/US2016/050143)
[87] (WO2017/040955)
[30] US (62/213,770) 2015-09-03

[21] **2,997,558**
[13] A1
[51] **Int.Cl. D21H 25/04 (2006.01) B41M 7/00 (2006.01) D21H 11/18 (2006.01) D21H 21/40 (2006.01) D21H 25/06 (2006.01)**
[25] EN
[54] **PRINTING PAPER WITHOUT INK**
[54] **PAPIER D'IMPRESSION SANS ENCRE**
[72] MIIKKI, NINA, FI
[71] STORA ENSO OYJ, FI
[85] 2018-02-21
[86] 2016-09-23 (PCT/IB2016/055698)
[87] (WO2017/051368)
[30] SE (1551225-4) 2015-09-23

[21] **2,997,559**
[13] A1
[51] **Int.Cl. B21D 53/74 (2006.01) E06B 3/00 (2006.01) E06B 3/66 (2006.01) E06B 3/673 (2006.01)**
[25] EN
[54] **WINDOW SPACER FRAME CRIMPING ASSEMBLY**
[54] **ENSEMBLE DE SERTISSAGE DE CADRE D'ESPACEMENT DE FENETRE**
[72] BRIESE, WILLIAM, US
[72] JACOT, BRADY S., US
[72] HOFENER, PAUL A., US
[72] GRISMER, JOHN, US
[71] GED INTEGRATED SOLUTIONS, INC., US
[85] 2018-03-02
[86] 2016-09-15 (PCT/US2016/051931)
[87] (WO2017/048948)
[30] US (62/218,781) 2015-09-15
[30] US (15/265,119) 2016-09-14

[21] **2,997,560**
[13] A1
[51] **Int.Cl. A61M 5/168 (2006.01) A61M 5/142 (2006.01) A61M 5/172 (2006.01)**
[25] EN
[54] **INFUSION DEVICES AND RELATED RESCUE DETECTION METHODS**
[54] **DISPOSITIFS DE PERFUSION ET PROCEDES DE DETECTION DE SAUVETAGE ASSOCIES**
[72] PARIKH, NEHA J., US
[72] ROY, ANIRBAN, US
[72] GROSMAN, BENYAMIN, US
[72] GOTTLIEB, REBECCA K., US
[72] WU, DI, US
[71] MEDTRONIC MINIMED, INC., US
[85] 2018-03-02
[86] 2016-09-20 (PCT/US2016/052721)
[87] (WO2017/058580)
[30] US (62/234,471) 2015-09-29
[30] US (15/096,156) 2016-04-11

[21] **2,997,562**
[13] A1
[51] **Int.Cl. H04N 21/2362 (2011.01) H04N 21/236 (2011.01) H04N 21/434 (2011.01) H04N 21/8352 (2011.01)**
[25] EN
[54] **SYNCHRONIZING MEDIA CONTENT TAG DATA**
[54] **SYNCHRONISATION DE DONNEES D'ETIQUETTE DE CONTENU MULTIMEDIA**
[72] BERNER, MARK, US
[72] CHAMBERLIN, DAVID, US
[72] SMITH, KEVIN, US
[71] TIVO SOLUTIONS INC., US
[85] 2018-03-02
[86] 2016-09-30 (PCT/US2016/055048)
[87] (WO2017/059384)
[30] US (62/235,542) 2015-09-30

[21] **2,997,563**
[13] A1
[51] **Int.Cl. D21H 19/52 (2006.01) C08L 5/00 (2006.01) C08L 5/02 (2006.01) C09D 105/00 (2006.01) C09D 105/02 (2006.01) C09D 129/02 (2006.01) C09D 131/04 (2006.01) D06M 15/11 (2006.01) D21H 19/62 (2006.01) D21H 21/16 (2006.01)**
[25] EN
[54] **POLYSACCHARIDE COATINGS FOR PAPER**
[54] **REVETEMENTS A BASE DE POLYSACCHARIDES POUR PAPIER**
[72] BEHABTU, NATNAEL, US
[71] E. I. DU PONT DE NEMOURS AND COMPANY, US
[85] 2018-03-02
[86] 2016-10-24 (PCT/US2016/058436)
[87] (WO2017/074859)
[30] US (62/246,349) 2015-10-26
[30] US (62/251,191) 2015-11-05

[21] **2,997,564**
[13] A1
[51] **Int.Cl. G02B 6/12 (2006.01) F21V 8/00 (2006.01)**
[25] EN
[54] **ANGULAR SUBPIXEL RENDERING MULTIVIEW DISPLAY USING SHIFTED MULTIBEAM ELEMENTS**
[54] **AFFICHAGE MULTIVUE DE RENDU ANGULAIRE SOUS-PIXEL UTILISANT DES ELEMENTS MULTIFAISCEAUX DECALES**
[72] FATTAL, DAVID A., US
[71] LEIA INC., US
[85] 2018-02-28
[86] 2016-09-06 (PCT/US2016/050451)
[87] (WO2017/213676)
[30] US (PCT/US 16/36495) 2016-06-08
[30] US (PCT/US16/40584) 2016-06-30
[30] US (62/214,970) 2016-09-05

[21] **2,997,565**
[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01) B60L 11/00 (2006.01) B60W 20/00 (2016.01) H02J 7/02 (2016.01) H02J 7/14 (2006.01) H02P 27/06 (2006.01)**
[25] EN
[54] **A CONTROLLER FOR AN INDUCTIVE LOAD HAVING ONE OR MORE INDUCTIVE WINDINGS**
[54] **CONTROLEUR POUR CHARGE INDUCTIVE AYANT UN OU PLUSIEURS ENROULEMENTS INDUCTIFS**
[72] SMOLENAERS, STEFAN, AU
[71] INVERTEDPOWER PTY LTD, AU
[85] 2018-03-05
[86] 2016-09-12 (PCT/AU2016/050852)
[87] (WO2017/041144)
[30] AU (2015903706) 2015-09-11

[21] **2,997,567**
[13] A1
[51] **Int.Cl. H04R 7/10 (2006.01) H04R 17/00 (2006.01)**
[25] EN
[54] **MEMS PRINTED CIRCUIT BOARD MODULE WITH INTEGRATED PIEZOELECTRIC STRUCTURE AND SOUND TRANSDUCER ASSEMBLY**
[54] **MODULE A CARTE DE CIRCUIT IMPRIME MEMS A STRUCTURE PIEZOELECTRIQUE INTEGREE ET ENSEMBLE TRANSDUCTEUR ACOUSTIQUE**
[72] RUSCONI CLERICI, ANDREA, DE
[72] BOTTONI, FERRUCCIO, AT
[71] USOUND GMBH, AT
[85] 2018-03-05
[86] 2016-09-05 (PCT/EP2016/070796)
[87] (WO2017/055012)
[30] DE (10 2015 116 640.2) 2015-10-01

[21] **2,997,575**
[13] A1
[51] **Int.Cl. G07F 17/32 (2006.01) A63F 13/428 (2014.01) A63F 13/52 (2014.01)**
[25] EN
[54] **THREE-DIMENSIONAL DISPLAY INTERACTION FOR GAMING SYSTEMS**
[54] **INTERACTION D'AFFICHAGE EN TROIS DIMENSIONS DESTINEE A DES SYSTEMES DE JEU**
[72] KEILWERT, STEFAN, AT
[72] AURICH, SVEN, AT
[72] PIERER, FRANZ, AT
[71] IGT CANADA SOLUTIONS ULC, CA
[85] 2018-03-05
[86] 2015-08-13 (PCT/CA2015/050772)
[87] (WO2017/024375)
[30] US (14/821,678) 2015-08-07

[21] **2,997,583**
[13] A1
[51] **Int.Cl. G06F 21/57 (2013.01) G06F 17/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING AND PREVENTING SPOOFING**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE DETECTER ET D'EMPECHER L'USURPATION**
[72] RICHARDSON, GARY WAYNE, CA
[72] BAILEY, CHRISTOPHER EVERETT, CA
[72] LUKASHUK, RANDY, CA
[71] NUDATA SECURITY INC., CA
[85] 2018-03-05
[86] 2016-09-04 (PCT/IB2016/001413)
[87] (WO2017/037542)
[30] US (62/214,969) 2015-09-05

[21] **2,997,585**
[13] A1
[51] **Int.Cl. G06F 17/00 (2006.01) G06F 21/00 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MATCHING AND SCORING SAMENESS**
[54] **SYSTEMES ET PROCEDES DE MISE EN CORRESPONDANCE ET DE GENERATION DE SCORE DE SIMILITUDE**
[72] RICHARDSON, GARY WAYNE, CA
[72] BAILEY, CHRISTOPHER EVERETT, CA
[72] LUKASHUK, RANDY, CA
[71] NUDATA SECURITY INC., CA
[85] 2018-03-05
[86] 2016-09-04 (PCT/IB2016/001454)
[87] (WO2017/037544)
[30] US (62/214,969) 2015-09-05

[21] **2,997,587**
[13] A1
[51] **Int.Cl. G02C 5/08 (2006.01) G02C 5/14 (2006.01)**
[25] EN
[54] **RETAINING DEVICE FOR READING GLASSES AND FOLDABLE READING GLASSES**
[54] **DISPOSITIF DE RETENUE DE LUNETTES DE LECTURE ET LUNETTES DE LECTURE PLIABLES**
[72] BARRINA, AMANDA, US
[71] CHAIN READERS INC., CA
[85] 2018-03-05
[86] 2016-09-30 (PCT/IB2016/001509)
[87] (WO2017/055923)
[30] US (62/284,485) 2015-10-01

[21] **2,997,591**
[13] A1
[51] **Int.Cl. G06F 21/31 (2013.01) H04L 9/32 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR REAL-TIME AUTHENTICATION OF USER ACCESS TO A RESOURCE**
[54] **PROCEDE ET SYSTEME D'AUTHENTIFICATION EN TEMPS REEL D'UN ACCES UTILISATEUR A UNE RESSOURCE**
[72] HOLMQVIST, KARL, CA
[72] RUTHERFORD, IAN, CA
[72] VARGHESE, THOMAS, US
[72] MCKENZIE, ANDREW ROHAN, CA
[71] LASTWALL NETWORKS INC., CA
[85] 2018-03-05
[86] 2015-09-04 (PCT/CA2015/050857)
[87] (WO2016/033698)
[30] US (62/046,369) 2014-09-05

[21] **2,997,597**
[13] A1
[51] **Int.Cl. H04L 12/26 (2006.01) G06F 21/00 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING AND SCORING ANOMALIES**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE DETECTER ET DE PENALISER DES ANOMALIES**
[72] RICHARDSON, GARY WAYNE, CA
[72] BAILEY, CHRISTOPHER EVERETT, CA
[72] LUKASHUK, RANDY, CA
[71] NUDATA SECURITY INC., CA
[85] 2018-03-05
[86] 2016-09-04 (PCT/IB2016/001957)
[87] (WO2017/060778)
[30] US (62/214,969) 2015-09-05

[21] **2,997,600**
[13] A1
[51] **Int.Cl. A61K 31/135 (2006.01) A61K 31/444 (2006.01) A61P 25/04 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION OF A COMBINATION OF TRAMADOL-ETORICOXIB HYDROCHLORIDE FOR THE TREATMENT OF PAIN**
[54] **COMPOSITION PHARMACEUTIQUE CONSTITUEE D'UNE COMBINAISON DE CHLORHYDRATE DE TRAMADOL-ETORICOXIB POUR LE TRAITEMENT DE LA DOULEUR**
[72] SALTO RIVERA, REYNA ASTRID, MX
[72] WALLS FLORES, OLIVER DANIEL, MX
[72] RODRIGUEZ HERNANDEZ, RAMON, MX
[71] LABORATORIOS LIOMONT, S.A. DE C.V., MX
[85] 2018-03-05
[86] 2017-05-11 (PCT/IB2017/052775)
[87] (WO2017/199140)
[30] MX (MX/a/2016/006464) 2016-05-18

[21] **2,997,604**
[13] A1
[51] **Int.Cl. G01K 1/14 (2006.01) F25B 49/02 (2006.01) F28F 3/04 (2006.01) F28F 9/00 (2006.01) G01K 13/02 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR**
[72] WANG, KAIJIAN, JP
[71] FUJITSU GENERAL LIMITED, JP
[85] 2018-03-05
[86] 2016-08-19 (PCT/JP2016/074186)
[87] (WO2017/043285)
[30] JP (2015-177799) 2015-09-09

[21] **2,997,606**
[13] A1
[51] **Int.Cl. G01K 1/14 (2006.01) F25B 49/02 (2006.01) F28F 3/04 (2006.01) F28F 9/00 (2006.01) G01K 13/02 (2006.01)**
[25] EN
[54] **MICROCHANNEL HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR A MICROCANAUX**
[72] WANG, KAIJIAN, JP
[71] FUJITSU GENERAL LIMITED, JP
[85] 2018-03-05
[86] 2016-08-19 (PCT/JP2016/074189)
[87] (WO2017/043286)
[30] JP (2015-177800) 2015-09-09

[21] **2,997,607**
[13] A1
[51] **Int.Cl. H01L 21/60 (2006.01) H05K 3/34 (2006.01)**
[25] EN
[54] **MOUNTING STRUCTURE AND MODULE**
[54] **STRUCTURE ET MODULE DE MONTAGE**
[72] MATSUMARU, KOHEI, JP
[71] FUJIKURA LTD., JP
[85] 2018-03-05
[86] 2017-02-01 (PCT/JP2017/003617)
[87] (WO2017/150060)
[30] JP (2016-038207) 2016-02-29

[21] **2,997,608**
[13] A1
[51] **Int.Cl. E21B 43/00 (2006.01) G05B 17/02 (2006.01) G06F 9/455 (2018.01)**
[25] EN
[54] **HISTORY MATCHING OF HYDROCARBON PRODUCTION FROM HETEROGENOUS RESERVOIRS**
[54] **MISE EN CORRESPONDANCE D'HISTORIQUE DE PRODUCTION D'HYDROCARBURES A PARTIR DE RESERVOIRS HETEROGENES**
[72] SINGH, AJAY PRATAP, US
[72] KHAN, HASNAIN A., US
[71] LANDMARK GRAPHICS CORPORATION, US
[85] 2018-03-05
[86] 2015-12-18 (PCT/US2015/066672)
[87] (WO2017/065813)
[30] US (62/241,441) 2015-10-14

[21] **2,997,611**
[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD OF ADAPTIVE RATE CONTROL AND TRAFFIC MANAGEMENT**
[54] **SYSTEME ET PROCEDE DE COMMANDE ADAPTATIVE DE DEBIT ET DE GESTION DE TRAFIC**
[72] CHOW, WILLIAM WEIYEH, US
[72] TRUONG, BRIAN ALEX, US
[71] MOBOPHILES INC. DBA MOBOLIZE, US
[85] 2018-03-05
[86] 2015-09-04 (PCT/US2015/048721)
[87] (WO2016/037148)
[30] US (62/046,874) 2014-09-05

[21] **2,997,614**
[13] A1
[51] **Int.Cl. G06Q 40/08 (2012.01)**
[25] EN
[54] **DIGITAL INVENTORY SYSTEM**
[54] **SYSTEME D'INVENTAIRE NUMERIQUE**
[72] COHEN, MICHAEL JACOB, US
[71] COHEN, MICHAEL JACOB, US
[85] 2018-03-05
[86] 2015-09-11 (PCT/US2015/049682)
[87] (WO2017/044121)
[30] US (14/851,416) 2015-09-11

[21] **2,997,617**
[13] A1
[51] **Int.Cl. F17D 3/01 (2006.01) F17D 1/04 (2006.01)**
[25] EN
[54] **DYNAMIC GAS OPTIMIZATION SYSTEM**
[54] **SYSTEME D'OPTIMISATION DE GAZ DYNAMIQUE**
[72] ORTIZ, THOMAS MANUEL, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-03-05
[86] 2015-10-06 (PCT/US2015/054308)
[87] (WO2017/061994)

[21] **2,997,618**
[13] A1
[51] **Int.Cl. E21B 47/12 (2012.01) E21B 47/16 (2006.01)**
[25] EN
[54] **COMMUNICATION TO A DOWNHOLE TOOL BY ACOUSTIC WAVEGUIDE TRANSFER**
[54] **COMMUNICATION VERS UN OUTIL DE FOND DE TROU PAR TRANSFERT PAR GUIDE D'ONDES ACOUSTIQUES**
[72] COSS, GABRIEL, US
[72] PAWAR, BHARAT B., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-03-05
[86] 2015-10-08 (PCT/US2015/054612)
[87] (WO2017/062006)

[21] **2,997,619**
[13] A1
[51] **Int.Cl. A61N 5/06 (2006.01) A61K 38/16 (2006.01) A61K 38/17 (2006.01) A61K 41/00 (2006.01) A61K 48/00 (2006.01) A61P 25/00 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01) C12N 15/85 (2006.01) C12N 15/864 (2006.01)**
[25] EN
[54] **LIGHT-RESPONSIVE POLYPEPTIDES AND METHODS OF USE THEREOF**
[54] **POLYPEPTIDES PHOTOSENSIBLES ET LEURS PROCEDES D'UTILISATION**
[72] DEISSEROTH, KARL A., US
[72] BERNDT, ANDRE, US
[72] LEE, SOO YEUN, US
[72] RAMAKRISHNAN, CHARU, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2018-03-05
[86] 2016-09-14 (PCT/US2016/051684)
[87] (WO2017/048808)
[30] US (62/218,971) 2015-09-15

[21] **2,997,620**
[13] A1
[51] **Int.Cl. G01S 5/02 (2010.01) G01S 1/04 (2006.01) G01S 1/08 (2006.01) G01S 5/10 (2006.01)**
[25] EN
[54] **GEOLOCATION USING GUIDED SURFACE WAVES**
[54] **GEOLOCALISATION A L'AIDE D'ONDES DE SURFACE GUIDEES**
[72] CORUM, JAMES F., US
[72] CORUM, KENNETH L., US
[72] LILLY, JAMES D., US
[71] CPG TECHNOLOGIES, LLC., US
[85] 2018-03-05
[86] 2016-08-17 (PCT/US2016/047350)
[87] (WO2017/044265)
[30] US (62/216,720) 2015-09-10

[21] **2,997,622**
[13] A1
[51] **Int.Cl. E21B 47/00 (2012.01) G01V 9/00 (2006.01) G06F 19/00 (2018.01)**
[25] EN
[54] **TUBULAR WEAR VOLUME DETERMINATION USING ELASTICITY CORRECTION**
[54] **DETERMINATION DU VOLUME D'USURE D'ELEMENTS TUBULAIRES A L'AIDE D'UNE CORRECTION D'ELASTICITE**
[72] SAMUEL, ROBELLO, US
[71] LANDMARK GRAPHICS CORPORATION, US
[85] 2018-03-05
[86] 2015-10-09 (PCT/US2015/054838)
[87] (WO2017/062024)

[21] **2,997,623**
[13] A1
[51] **Int.Cl. A43B 7/34 (2006.01)**
[25] EN
[54] **INSULATED FOOTWEAR ARTICLES**
[54] **ARTICLES CHAUSSANTS ISOLES**
[72] MAGYAR, MICHAEL, US
[72] RIKLEEN, LESLIE, US
[72] O'BRYAN, ERIC, US
[72] GIUPPONI, ANDREA, IT
[71] W. L. GORE & ASSOCIATES, INC., US
[71] W. L. GORE & ASSOCIATI, S.R.L., IT
[85] 2018-03-05
[86] 2016-10-21 (PCT/US2016/058141)
[87] (WO2017/070483)
[30] US (62/244,349) 2015-10-21

[21] **2,997,626**
[13] A1
[51] **Int.Cl. E04F 15/02 (2006.01)**
[25] EN
[54] **A SET COMPRISING PANELS, A SUPPORTING STRUCTURE AND A FASTENING DEVICE**
[54] **ENSEMBLE COMPRENANT DES PANNEAUX, STRUCTURE DE SUPPORT ET DISPOSITIF DE FIXATION**
[72] ENGSTROM, NILS-ERIK, SE
[71] VALINGE INNOVATION AB, SE
[85] 2018-01-29
[86] 2016-08-22 (PCT/SE2016/050777)
[87] (WO2017/034455)
[30] SE (1551091-0) 2015-08-24

[21] **2,997,627**
[13] A1
[51] **Int.Cl. G01N 21/64 (2006.01) G01N 21/00 (2006.01)**
[25] EN
[54] **DEVICE FOR READING AN IVD ASSAY**
[54] **DISPOSITIF DE LECTURE D'UN DOSAGE IVD**
[72] HUNTER, WILLIAM SAMUEL, AU
[71] PLANET INTELLECTUAL PROPERTY ENTERPRISES PTY LTD, AU
[85] 2018-03-06
[86] 2016-10-14 (PCT/AU2016/050965)
[87] (WO2017/063045)
[30] AU (2015904206) 2015-10-15

[21] **2,997,628**
[13] A1
[51] **Int.Cl. C10L 3/10 (2006.01)**
[25] EN
[54] **A METHOD OF PREPARING NATURAL GAS AT A GAS PRESSURE REDUCTION STATIONS TO PRODUCE LIQUID NATURAL GAS (LNG)**
[54] **PROCEDE DE PREPARATION DE GAZ NATUREL AU NIVEAU DE STATIONS DE REDUCTION DE LA PRESSION D'UN GAZ POUR PRODUIRE DU GAZ NATUREL LIQUIDE (GNL)**
[72] LOURENCO, JOSE, CA
[72] MILLAR, MACKENZIE, CA
[71] 1304342 ALBERTA LTD., CA
[71] 1304338 ALBERTA LTD., CA
[85] 2018-03-06
[86] 2015-09-16 (PCT/CA2015/050896)
[87] (WO2017/045055)

[21] **2,997,630**
[13] A1
[51] **Int.Cl. E04F 11/18 (2006.01)**
[25] EN
[54] **RAILING SYSTEM**
[54] **SYSTEME DE BALUSTRADE**
[72] WALKER, SIMON, CA
[72] LAWSON, CRAIG RAYMOND, CA
[72] YOUNG, CHARLES, CA
[71] PEAK INNOVATIONS INC., CA
[85] 2018-03-06
[86] 2015-09-16 (PCT/CA2015/050906)
[87] (WO2017/045056)

---

[21] **2,997,631**
[13] A1
[51] **Int.Cl. G06Q 40/02 (2012.01)**
[25] EN
[54] **METHOD AND DEVICE FOR DATA EXCHANGE PROCESSING AND ONLINE FUNDING METHOD**
[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT D'ECHANGE DE DONNEES ET PROCEDE DE FINANCEMENT EN LIGNE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-03-06
[86] 2015-09-16 (PCT/CN2015/089766)
[87] (WO2017/045160)

---

[21] **2,997,635**
[13] A1
[51] **Int.Cl. G06Q 20/00 (2012.01)**
[25] EN
[54] **ONLINE PAYMENT VERIFICATION METHOD AND ONLINE PAYMENT VERIFICATION SYSTEM**
[54] **PROCEDE DE VERIFICATION DE PAIEMENT EN LIGNE ET SYSTEME DE VERIFICATION DE PAIEMENT EN LIGNE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-03-06
[86] 2014-09-25 (PCT/CN2014/087393)
[87] (WO2016/045034)

---

[21] **2,997,636**
[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **NETWORK-BASED ELECTRONIC NEGOTIABLE INSTRUMENT SYSTEM AND METHOD AND DEVICE FOR REALIZING SAME**
[54] **SYSTEME D'INSTRUMENT NEGOCIABLE ELECTRONIQUE EN RESEAU, ET PROCEDE ET DISPOSITIF POUR REALISER CE DERNIER**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-03-06
[86] 2015-10-19 (PCT/CN2015/092207)
[87] (WO2017/066911)

---

[21] **2,997,637**
[13] A1
[51] **Int.Cl. H04L 1/18 (2006.01)**
[25] EN
[54] **PACKET TRANSMISSION METHOD AND USER EQUIPMENT**
[54] **PROCEDE DE TRANSMISSION DE PAQUET ET EQUIPEMENT UTILISATEUR**
[72] ZHANG, ZHONG, CN
[72] YANG, NENG, CN
[72] HUANG, MAOQING, CN
[72] ZHANG, WEI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2018-03-06
[86] 2016-09-20 (PCT/CN2016/099480)
[87] (WO2017/050216)
[30] CN (201510605226.9) 2015-09-21

---

[21] **2,997,638**
[13] A1
[51] **Int.Cl. H04L 9/32 (2006.01) G06F 21/32 (2013.01) G06F 21/36 (2013.01)**
[25] EN
[54] **REMOTE IDENTITY AUTHENTICATION METHOD AND SYSTEM AND REMOTE ACCOUNT OPENING METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME D'AUTHENTIFICATION D'IDENTITE A DISTANCE, ET PROCEDE ET SYSTEME D'OUVERTURE DE COMPTE A DISTANCE**
[72] LI, DONGSHENG, CN
[71] TENDYRON CORPORATION, CN
[85] 2018-03-06
[86] 2016-09-07 (PCT/CN2016/098330)
[87] (WO2017/041715)
[30] CN (201510564864.0) 2015-09-07

---

[21] **2,997,642**
[13] A1
[51] **Int.Cl. C10G 33/04 (2006.01) C10G 7/00 (2006.01)**
[25] EN
[54] **OIL CONDITIONING UNIT AND PROCESS**
[54] **UNITE ET PROCESSUS DE CONDITIONNEMENT DE PETROLE**
[72] MEHRA, YUV R., US
[72] DAVID, STEPHEN R., US
[71] HELLERVIK OILFIELD TECHNOLOGIES LLC, US
[85] 2018-03-02
[86] 2017-06-30 (PCT/US2017/040371)
[87] (WO2018/009450)
[30] US (15/204,633) 2016-07-07

[21] **2,997,649**
[13] A1
[51] **Int.Cl. G01M 99/00 (2011.01) A61M 15/00 (2006.01) B05B 15/00 (2018.01)**
[25] EN
[54] **TEST SYSTEM AND TEST METHOD**
[54] **SYSTEME DE TEST ET PROCEDE DE TEST**
[72] EICHER, JOACHIM, DE
[72] EIGEMANN, JUTTA, DE
[72] GESER, JOHANNES, DE
[72] PETERS, ANDREAS, DE
[72] KOELBEL, HANS-JUERGEN, DE
[71] BOEHRINGER INGELHEIM MICROPARTS GMBH, DE
[85] 2018-03-06
[86] 2016-10-06 (PCT/EP2016/073834)
[87] (WO2017/060328)
[30] EP (15189068.8) 2015-10-09
[30] EP (16169471.6) 2016-05-12

[21] **2,997,650**
[13] A1
[51] **Int.Cl. G01N 21/62 (2006.01) A61B 5/00 (2006.01) G01N 21/63 (2006.01)**
[25] EN
[54] **DETECTING EARLY TISSUE DAMAGE DUE TO MECHANICAL DEFORMATION, SHEAR, FRICTION, AND/OR PROLONGED APPLICATION OF PRESSURE**
[54] **DETECTION PRECOCE DE LESIONS TISSULAIRES DUES A UNE DEFORMATION MECANIQUE, UN CISAILLEMENT, UN FROTTEMENT, ET/OU A L'APPLICATION D'UNE PRESSION PROLONGEE**
[72] HETTRICK, HEATHER, US
[71] NOVA SOUTHEASTERN UNIVERSITY, US
[85] 2018-03-05
[86] 2016-08-30 (PCT/US2016/049412)
[87] (WO2017/040481)
[30] US (62/214,960) 2015-09-05

[21] **2,997,655**
[13] A1
[51] **Int.Cl. A61K 6/083 (2006.01) A61K 6/00 (2006.01)**
[25] EN
[54] **DENTAL COMPOSITION**
[54] **COMPOSITION DENTAIRE**
[72] KLEE, JOACHIM E., DE
[72] SZILLAT, FLORIAN, DE
[72] MAIER, MAXIMILIAN, DE
[72] RITTER, HELMUT, DE
[72] LALEVEE, JACQUES, FR
[72] FIK, CHRISTOPH P., CH
[72] FOUASSIER, JEAN PIERRE, FR
[72] MORLET-SAVARY, FABRICE, FR
[72] DIETLIN, CELINE, FR
[72] BOUZRATI-ZERELLI, MARIEM, FR
[71] DENTSPLY DETREY GMBH, DE
[85] 2018-03-06
[86] 2016-10-07 (PCT/EP2016/074049)
[87] (WO2017/060459)
[30] EP (15188969.8) 2015-10-08

[21] **2,997,656**
[13] A1
[51] **Int.Cl. G01C 21/00 (2006.01) B60W 40/02 (2006.01)**
[25] EN
[54] **INDUSTRIAL VEHICLE WITH FEATURE-BASED LOCALIZATION AND NAVIGATION**
[54] **VEHICULE INDUSTRIEL AVEC LOCALISATION ET NAVIGATION BASEES SUR DES CARACTERISTIQUES**
[72] BELL, MARK, US
[71] CROWN EQUIPMENT CORPORATION, US
[85] 2018-03-05
[86] 2016-09-02 (PCT/US2016/050135)
[87] (WO2017/040949)
[30] US (62/214,445) 2015-09-04
[30] US (62/219,259) 2015-09-16

[21] **2,997,657**
[13] A1
[51] **Int.Cl. A61K 6/083 (2006.01) A61K 6/00 (2006.01)**
[25] EN
[54] **DENTAL COMPOSITION**
[54] **COMPOSITION DENTAIRE**
[72] KLEE, JOACHIM E., DE
[72] SZILLAT, FLORIAN, DE
[72] MAIER, MAXIMILIAN, DE
[72] RITTER, HELMUT, DE
[72] LALEVEE, JACQUES, FR
[72] FOUASSIER, JEAN PIERRE, FR
[72] MORLET-SAVARY, FABRICE, FR
[72] DIETLIN, CELINE, FR
[72] BOUZRATI-ZERELLI, MARIEM, FR
[72] FIK, CHRISTOPH P., CH
[71] DENTSPLY DETREY GMBH, DE
[85] 2018-03-06
[86] 2016-10-10 (PCT/EP2016/074223)
[87] (WO2017/060527)
[30] EP (15188969.8) 2015-10-08
[30] EP (16170375.6) 2016-05-19

[21] **2,997,658**
[13] A1
[51] **Int.Cl. F25B 49/02 (2006.01) F25B 9/08 (2006.01) F25B 41/00 (2006.01)**
[25] EN
[54] **A METHOD FOR CONTROLLING A VAPOUR COMPRESSION SYSTEM WITH A VARIABLE RECEIVER PRESSURE SETPOINT**
[54] **PROCEDE DE COMMANDE DE SYSTEME A COMPRESSION DE VAPEUR A VALEUR DE REGLAGE VARIABLE DE PRESSION DE RECEPTEUR**
[72] PRINS, JAN, DK
[72] SCHMIDT, FREDE, DK
[72] MADSEN, KENNETH BANK, DK
[72] FREDSLUND, KRISTIAN, DK
[71] DANFOSS A/S, DK
[85] 2018-03-06
[86] 2016-10-14 (PCT/EP2016/074758)
[87] (WO2017/067858)
[30] DK (PA 2015 00644) 2015-10-20

[21] **2,997,659**
[13] A1
[51] **Int.Cl. A61K 31/56 (2006.01) A61P 3/08 (2006.01)**
[25] EN
[54] **METHODS FOR TREATMENT OF MONOCYTE DYSFUNCTION AND CHRONIC INFLAMMATORY MICRO-AND MACRO-VASCULAR DISEASES**
[54] **METHODE POUR LE TRAITEMENT D'UN DYSFONCTIONNMENT DES MONOCYTES ET DES MALADIES MICROVASCULAIRES ET MACROVASCULAIRES INFLAMAMTOIRES CHRONIQUES**
[72] ASMIS, RETO, US
[71] ASMIS, RETO, US
[85] 2018-03-05
[86] 2016-09-05 (PCT/US2016/050332)
[87] (WO2017/041077)
[30] US (62/214,465) 2015-09-04

[21] **2,997,660**
[13] A1
[51] **Int.Cl. F25B 49/02 (2006.01) F25B 41/00 (2006.01)**
[25] EN
[54] **A METHOD FOR CONTROLLING A VAPOUR COMPRESSION SYSTEM IN EJECTOR MODE FOR A PROLONGED TIME**
[54] **PROCEDE DE COMMANDE DE SYSTEME DE COMPRESSION DE VAPEUR EN MODE D'EJECTEUR PENDANT UNE PERIODE PROLONGEE**
[72] PRINS, JAN, DK
[72] SCHMIDT, FREDE, DK
[72] MADSEN, KENNETH BANK, DK
[72] FREDSLUND, KRISTIAN, DK
[71] DANFOSS A/S, DK
[85] 2018-03-06
[86] 2016-10-14 (PCT/EP2016/074765)
[87] (WO2017/067860)
[30] DK (PA 2015 00645) 2015-10-20

[21] **2,997,662**
[13] A1
[51] **Int.Cl. F25B 49/02 (2006.01)**
[25] EN
[54] **A METHOD FOR CONTROLLING A VAPOUR COMPRESSION SYSTEM IN A FLOODED STATE**
[54] **PROCEDE DE COMMANDE D'UN SYSTEME DE COMPRESSION DE VAPEUR DANS UN ETAT NOYE**
[72] PRINS, JAN, DK
[72] SCHMIDT, FREDE, DK
[72] MADSEN, KENNETH BANK, DK
[72] FREDSLUND, KRISTIAN, DK
[71] DANFOSS A/S, DK
[85] 2018-03-06
[86] 2016-10-14 (PCT/EP2016/074774)
[87] (WO2017/067863)
[30] DK (PA 2015 00646) 2015-10-20

[21] **2,997,663**
[13] A1
[51] **Int.Cl. H02K 15/04 (2006.01)**
[25] EN
[54] **WAVE WINDING DEVICE**
[54] **DISPOSITIF POUR ENROULEMENTS ONDULES**
[72] LUTTGE, WOLFGANG, DE
[71] AUMANN ESPELKAMP GMBH, DE
[85] 2018-03-06
[86] 2016-12-15 (PCT/EP2016/081108)
[87] (WO2017/102903)
[30] EP (15201100.3) 2015-12-18

[21] **2,997,664**
[13] A1
[51] **Int.Cl. B66C 1/10 (2006.01) B66D 1/60 (2006.01)**
[25] EN
[54] **WIND TURBINE BLADE REMOVAL AND INSTALLATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE RETRAIT ET D'INSTALLATION DE PALE DE TURBINE EOLIENNE**
[72] REYNOLDS, KEVIN, US
[72] BARNHART, ERIC, US
[72] DEPRIEST, WILLIAM PARKER, US
[72] PEPIN, THOMAS A., III, US
[71] BARNHART CRANE AND RIGGING CO., US
[85] 2018-03-05
[86] 2016-09-06 (PCT/US2016/050383)
[87] (WO2017/041090)
[30] US (62/214,758) 2015-09-04

[21] **2,997,666**
[13] A1
[51] **Int.Cl. C08B 11/187 (2006.01) C08H 7/00 (2011.01) A61L 15/26 (2006.01) C08B 11/20 (2006.01) C09D 5/16 (2006.01) C09D 101/26 (2006.01) C09D 197/00 (2006.01)**
[25] EN
[54] **FUNCTIONALIZATION OF CELLULOSE WITH LIGNIN TO PRODUCE HIGH-VALUE PRODUCTS**
[54] **FONCTIONNALISATION DE CELLULOSE PAR LA LIGNINE POUR PRODUIRE DES PRODUITS DE HAUTE VALEUR**
[72] PAANANEN, ARJA, FI
[72] SZILVAY, GEZA, FI
[72] SETALA, HARRI, FI
[72] HULT, EVA-LENA, FI
[72] ALAKOMI, HANNA-LEENA, FI
[71] TEKNOLOGIAN TUTKIMUSKESKUS VTT OY, FI
[85] 2018-03-06
[86] 2016-11-25 (PCT/FI2016/050831)
[87] (WO2017/089657)
[30] FI (20155871) 2015-11-25

[21] **2,997,667**
[13] A1
[51] **Int.Cl. C22C 21/10 (2006.01) B22D 7/00 (2006.01) C22F 1/053 (2006.01) F41H 5/00 (2006.01)**
[25] EN
[54] **7XXX ALLOY COMPONENTS FOR DEFENSE APPLICATION WITH AN IMPROVED SPALL RESISTANCE**
[54] **COMPOSANTS D'ALLIAGE 7XXX TROUVANT UNE APPLICATION DANS LA DEFENSE ET PRESENTANT UNE RESISTANCE AUX ECLATS AMELIOREE**
[72] FRANKLIN, JACK, US
[72] KOBE, PAUL E., US
[71] CONSTELLIUM ROLLED PRODUCTS LLC, US
[71] CONSTELLIUM VALAIS SA (AG, LTD), CH
[85] 2018-03-05
[86] 2016-09-07 (PCT/US2016/050523)
[87] (WO2017/044471)
[30] US (62/215,842) 2015-09-09

[21] **2,997,669**
[13] A1
[51] **Int.Cl. F27B 7/00 (2006.01) F27B 7/36 (2006.01) F27D 17/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR REDUCING NOX EMISSIONS IN A ROTARY KILN**
[54] **PROCEDE ET DISPOSITIF POUR REDUIRE LES EMISSIONS DE NOX D'UN FOUR TUBULAIRE ROTATIF**
[72] GAFNER, IRWIN, CH
[71] HOLCIM TECHNOLOGY LTD, CH
[85] 2018-03-06
[86] 2016-08-30 (PCT/IB2016/001220)
[87] (WO2017/042615)
[30] AT (A 586/2015) 2015-09-08

[21] **2,997,670**
[13] A1
[51] **Int.Cl. A61K 39/02 (2006.01) A61K 38/16 (2006.01) C07K 14/195 (2006.01)**
[25] EN
[54] **COXIELLA BURNETII ANTIGENS**
[54] **ANTIGENES DE COXIELLA BURNETII**
[72] VIPOND, JULIA, GB
[72] BEWLEY, KEVIN, GB
[71] THE SECRETARY OF STATE FOR HEALTH, GB
[85] 2018-03-06
[86] 2016-09-23 (PCT/GB2016/052979)
[87] (WO2017/051196)
[30] GB (1517019.4) 2015-09-25

[21] **2,997,671**
[13] A1
[51] **Int.Cl. A61K 31/4409 (2006.01) A61K 31/165 (2006.01) A61K 31/498 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **COMBINATION THERAPIES FOR TREATING CANCER**
[54] **POLYTHERAPIES POUR LE TRAITEMENT DU CANCER**
[72] FATHI, REZA, US
[72] BEN-ASHER, DROR, IL
[72] ABRAMSON, DANIELLE, US
[71] REDHILL BIOPHARMA LTD., IL
[85] 2018-03-06
[86] 2016-10-06 (PCT/IB2016/001526)
[87] (WO2017/060771)
[30] US (62/237,925) 2015-10-06

[21] **2,997,672**
[13] A1
[51] **Int.Cl. B65D 85/72 (2006.01) B65D 23/02 (2006.01)**
[25] EN
[54] **PACKAGE CONTAINING FLUID CONTENT**
[54] **EMBALLAGE DANS LEQUEL EST ACCUEILLI UN CONTENU LIQUIDE**
[72] AKUTSU, YOSUKE, JP
[72] OKAMOTO, KOTA, JP
[72] SEITO, SHINYA, JP
[72] NYUU, KEISUKE, JP
[72] MIYAZAKI, TOMOYUKI, JP
[71] TOYO SEIKAN GROUP HOLDINGS, LTD., JP
[71] TOYO SEIKAN CO., LTD., JP
[85] 2018-03-06
[86] 2016-08-30 (PCT/JP2016/075260)
[87] (WO2017/056820)
[30] JP (2015-192961) 2015-09-30

[21] **2,997,674**
[13] A1
[51] **Int.Cl. A61K 31/7088 (2006.01) C12N 15/113 (2010.01) A61K 31/713 (2006.01) A61P 35/00 (2006.01) C12Q 1/68 (2018.01) G01N 33/48 (2006.01)**
[25] EN
[54] **EXOSOME SECRETION INHIBITOR**
[54] **INHIBITEUR DE LA SECRETION D'EXOSOMES**
[72] OCHIYA, TAKAHIRO, JP
[72] YOSHIOKA, YUSUKE, JP
[72] KOSAKA, NOBUYOSHI, JP
[71] THEORIA SCIENCE INC., JP
[85] 2018-03-06
[86] 2016-08-30 (PCT/JP2016/075324)
[87] (WO2017/043370)
[30] JP (2015-177552) 2015-09-09

[21] **2,997,676**
[13] A1
[51] **Int.Cl. E21C 35/00 (2006.01) E21C 41/00 (2006.01) E21C 41/16 (2006.01) G06F 19/00 (2018.01)**
[25] EN
[54] **GROUND SUPPORT DESIGN TOOL**
[54] **OUTIL DE CONCEPTION DE SOUTENEMENT DU SOL**
[72] HUDSON, RICHARD, US
[71] FREEPORT-MCMORAN INC., US
[85] 2018-03-05
[86] 2016-09-26 (PCT/US2016/053679)
[87] (WO2017/058702)
[30] US (62/233,719) 2015-09-28
[30] US (15/274,052) 2016-09-23

[21] **2,997,678**
[13] A1
[51] **Int.Cl. A21C 15/00 (2006.01)**
[25] EN
[54] **BELT DRIVEN SANDWICHING MACHINE**
[54] **MACHINE DE FORMATION DE SANDWICH ENTRAINEE PAR COURROIE**
[72] MITTAL, ANKUSH B., US
[72] PATEL, ROHAN V., US
[72] SWITZER, JASON D., US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2018-03-05
[86] 2016-09-27 (PCT/US2016/053873)
[87] (WO2017/058742)
[30] US (62/234,210) 2015-09-29

[21] **2,997,682**
[13] A1
[51] **Int.Cl. E02F 9/28 (2006.01) F16B 1/00 (2006.01) F16B 19/02 (2006.01)**
[25] EN
[54] **EXCAVATING TOOTH ASSEMBLY WITH LOCKING PIN ASSEMBLY**
[54] **ENSEMBLE DENT D'EXCAVATION AVEC ENSEMBLE GOUPILLE DE VERROUILLAGE**
[72] VEGUNTA, VENKATA PRAKASH, US
[72] BILAL, MOHAMAD YOUSSEF, US
[71] HENSLEY INDUSTRIES, INC., US
[85] 2018-03-05
[86] 2016-10-03 (PCT/US2016/055198)
[87] (WO2017/062315)
[30] US (62/237,805) 2015-10-06
[30] US (15/282,363) 2016-09-30

[21] **2,997,683**
[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 3/06 (2006.01) C07K 14/47 (2006.01) C07K 16/18 (2006.01) G01N 33/53 (2006.01) G01N 33/564 (2006.01)**
[25] EN
[54] **MODULATION OF PROPROTEIN CONVERTASE SUBTILISIN/KEXIN 9 EXPRESSION (PCSK9) WITH HSP 27 AND/OR HSP25**
[54] **MODULATION DE L'EXPRESSION DE LA PROPROTEINE CONVERTASE SUBTILISINE/KEXINE 9 (PCSK9) A L'AIDE DE HSP27 ET/OU HSP25**
[72] O'BRIEN, EDWARD R. M., CA
[72] SHI, CHUNHUA, CA
[72] CHEN, YONG-XIANG, CA
[71] PEM131 THERAPEUTICS INC., CA
[85] 2018-02-28
[86] 2016-08-29 (PCT/CA2016/051018)
[87] (WO2017/035641)
[30] US (62/211,190) 2015-08-28

[21] **2,997,684**
[13] A1
[51] **Int.Cl. A61K 31/734 (2006.01) A61K 9/19 (2006.01) A61K 47/02 (2006.01) A61L 27/00 (2006.01) A61P 19/00 (2006.01)**
[25] EN
[54] **FREEZE-DRIED ALGINIC ACID PREPARATION**
[54] **PREPARATION D'ACIDE ALGINIQUE LYOPHILISEE**
[72] ENDO, SHUICHI, JP
[72] YOSHIOKA, NAOYA, JP
[71] MOCHIDA PHARMACEUTICAL CO., LTD., JP
[85] 2018-03-06
[86] 2016-09-06 (PCT/JP2016/076176)
[87] (WO2017/043485)
[30] JP (2015-175583) 2015-09-07

[21] **2,997,685**
[13] A1
[51] **Int.Cl. A01N 25/02 (2006.01) A01N 25/30 (2006.01) A01N 57/20 (2006.01)**
[25] EN
[54] **AN ADJUVANT**
[54] **ADJUVANT**
[72] BERG, PAULO SERGIO, US
[72] VANDERZYL, JARED LANCE, US
[72] PULLEN, MELVIN DONOVAN, US
[72] YARBROUGH, MAI, US
[71] ORO AGRI, INC., US
[85] 2018-03-05
[86] 2016-10-13 (PCT/US2016/056851)
[87] (WO2017/083049)
[30] US (14/936,467) 2015-11-09

[21] **2,997,686**
[13] A1
[51] **Int.Cl. B65D 5/06 (2006.01) B65D 30/20 (2006.01) B65D 71/18 (2006.01)**
[25] EN
[54] **CARTON WITH LOCKING FEATURE**
[54] **CARTON DOTE D'UN ELEMENT DE VERROUILLAGE**
[72] FAULKNER, WILLIAM, US
[71] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2018-03-05
[86] 2016-10-21 (PCT/US2016/058120)
[87] (WO2017/070470)
[30] US (62/244,959) 2015-10-22

[21] **2,997,687**
[13] A1
[51] **Int.Cl. C01F 5/24 (2006.01) D06M 11/76 (2006.01) D21H 15/12 (2006.01)**
[25] EN
[54] **COMPLEXES OF MAGNESIUM CARBONATE MICROPARTICLES AND FIBERS AS WELL AS PROCESSES FOR PREPARING THEM**
[54] **COMPLEXE DE FIBRES ET DES MICROPARTICULES DE CARBONATE DE MAGNESIUM, ET SON PROCEDE DE PRODUCTION**
[72] FUKUOKA, MOE, JP
[72] NAKATANI, TORU, JP
[72] GOTO, SHISEI, JP
[71] NIPPON PAPER INDUSTRIES CO., LTD., JP
[85] 2018-03-06
[86] 2016-09-08 (PCT/JP2016/076467)
[87] (WO2017/043580)
[30] JP (2015-176270) 2015-09-08

[21] **2,997,688**
[13] A1
[51] **Int.Cl. C04B 35/83 (2006.01) B32B 5/28 (2006.01) C04B 38/00 (2006.01) C04B 38/06 (2006.01) H01M 4/96 (2006.01) H01M 8/02 (2016.01) H01M 8/10 (2016.01)**
[25] EN
[54] **CARBON SHEET, GAS DIFFUSION ELECTRODE SUBSTRATE, WOUND BODY, AND FUEL CELL**
[54] **FEUILLE DE CARBONE, SUBSTRAT D'ELECTRODE A DIFFUSION GAZEUSE, CORPS CYLINDRIQUE ET PILE A COMBUSTIBLE**
[72] SODE, KATSUYA, JP
[72] SUGAHARA, TORU, JP
[72] ANDO, TAKASHI, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2018-03-06
[86] 2016-10-11 (PCT/JP2016/080089)
[87] (WO2017/069014)
[30] JP (2015-207693) 2015-10-22

[21] **2,997,689**
[13] A1
[51] **Int.Cl. C07D 263/48 (2006.01) A61K 31/421 (2006.01) A61K 31/422 (2006.01) A61K 31/4245 (2006.01) A61K 31/426 (2006.01) A61K 31/427 (2006.01) A61K 31/428 (2006.01) A61K 31/433 (2006.01) A61K 31/4439 (2006.01) A61K 31/454 (2006.01) A61K 31/4709 (2006.01) A61K 31/4725 (2006.01) A61K 31/497 (2006.01) A61K 31/498 (2006.01) A61K 31/501 (2006.01) A61K 31/5377 (2006.01) A61P 21/00 (2006.01) A61P 21/04 (2006.01) A61P 43/00 (2006.01) C07C 335/12 (2006.01) C07C 335/18 (2006.01) C07D 249/08 (2006.01) C07D 277/56 (2006.01) C07D 277/82 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01)**
[25] EN
[54] **AMINOAZOLE DERIVATIVE**
[54] **DERIVE D'AMINOAZOLE**
[72] HOSODA, SHINNOSUKE, JP
[72] UNOKI, GEN, JP
[72] WATANABE, HIDEKAZU, JP
[72] SASAKI, KOSUKE, JP
[72] SHIBATA, JUN, JP
[72] YOKOYAMA, EMI, JP
[72] HORIE, KYOHEI, JP
[72] TAKAGI, KENICHIRO, JP
[71] TEIJIN PHARMA LIMITED, JP
[85] 2018-03-06
[86] 2016-12-09 (PCT/JP2016/086784)
[87] (WO2017/099237)
[30] JP (2015-242065) 2015-12-11

[21] **2,997,693**
[13] A1
[51] **Int.Cl. C07D 413/14 (2006.01) A01N 43/80 (2006.01)**
[25] EN
[54] **ISOXAZOLINE-SUBSTITUTED BENZAMIDES AND ANALOGUES AS INSECTICIDES**
[54] **BENZAMIDES A SUBSTITUTION ISOXAZOLINE ET LEURS ANALOGUES UTILISES COMME INSECTICIDES**
[72] O'SULLIVAN, ANTHONY CORNELIUS, CH
[72] EL QACEMI, MYRIEM, CH
[72] CASSAYRE, JEROME YVES, CH
[72] PITTERNA, THOMAS, CH
[72] STOLLER, ANDRE, CH
[71] SYNGENTA PARTICIPATIONS AG, CH
[85] 2018-03-06
[86] 2016-09-22 (PCT/EP2016/072587)
[87] (WO2017/050921)
[30] EP (15186538.3) 2015-09-23

[21] **2,997,695**
[13] A1
[51] **Int.Cl. C07D 413/14 (2006.01) A01N 43/80 (2006.01)**
[25] EN
[54] **ISOXAZOLINE-SUBSTITUTED BENZAMIDES AND ANALOGUES AS INSECTICIDES**
[54] **BENZAMIDES A SUBSTITUTION ISOXAZOLINE ET LEURS ANALOGUES COMME INSECTICIDES**
[72] CASSAYRE, JEROME YVES, CH
[72] STOLLER, ANDRE, CH
[72] PITTERNA, THOMAS, CH
[72] EL QACEMI, MYRIEM, CH
[71] SYNGENTA PARTICIPATIONS AG, CH
[85] 2018-03-06
[86] 2016-09-22 (PCT/EP2016/072588)
[87] (WO2017/050922)
[30] EP (15186540.9) 2015-09-23

[21] **2,997,698**
[13] A1
[51] **Int.Cl. C07K 14/33 (2006.01) B01D 15/36 (2006.01) C07K 1/16 (2006.01) C07K 1/18 (2006.01) C07K 1/30 (2006.01) C07K 1/34 (2006.01) C07K 1/36 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING BOTULINUM TOXIN**
[54] **PROCEDE DE PRODUCTION DE TOXINE BOTULINIQUE**
[72] KIM, KYOUNG-YUN, KR
[72] KIM, CHUNG SEI, KR
[72] KIM, MYUNG SEOB, KR
[72] SUL, HYE-YOUNG, KR
[71] DAEWOONG CO., LTD., KR
[85] 2018-03-06
[86] 2016-11-23 (PCT/KR2016/013506)
[87] (WO2017/095062)
[30] KR (10-2015-0168196) 2015-11-30

[21] **2,997,699**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR INHIBITING BIOFILM-FORMING BACTERIA**
[54] **COMPOSITIONS ET PROCEDES D'INHIBITION DE BACTERIES FORMATRICES DE BIOFILM**
[72] WATERS, CHRISTOPHER, US
[72] HUNT, ALESSANDRA, US
[71] BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY, US
[85] 2018-03-06
[86] 2015-09-09 (PCT/US2015/049159)
[87] (WO2017/044091)

[21] **2,997,701**
[13] A1
[51] **Int.Cl. E21B 17/02 (2006.01) E21B 4/00 (2006.01) E21B 17/03 (2006.01)**
[25] EN
[54] **DRIVESHAFT CLAMPING ASSEMBLY**
[54] **ENSEMBLE DE SERRAGE D'ARBRE DE TRANSMISSION**
[72] GHARIB, HOSSAM MOHAMED, CA
[72] SAVAGE, JOHN KEITH, CA
[72] BELL, STEVEN GRAHAM, CA
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-03-06
[86] 2015-10-15 (PCT/US2015/055736)
[87] (WO2017/065775)

[21] **2,997,704**
[13] A1
[51] **Int.Cl. C09K 8/03 (2006.01) C09K 8/035 (2006.01)**
[25] EN
[54] **DIVERTER FLUID**
[54] **FLUIDE DE DEVIATION**
[72] CORTEZ, JANETTE, US
[72] SINGH, DIPTI, US
[72] INYANG, UBONG, US
[72] SPARKS, BRADLEY J., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-03-06
[86] 2015-10-15 (PCT/US2015/055769)
[87] (WO2017/065778)

[21] **2,997,706**
[13] A1
[51] **Int.Cl. C09K 8/62 (2006.01) C09K 8/80 (2006.01) E21B 43/17 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **MICRO-PROPPANT FRACTURING FLUID AND SLURRY CONCENTRATE COMPOSITIONS**
[54] **LIQUIDE DE FRACTURATION DE MICRO-SOUTENEMENT ET COMPOSITIONS DE CONCENTRE DE BOUE**
[72] NGUYEN, PHILIP D., US
[72] CORTEZ, JANETTE, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-03-06
[86] 2015-10-15 (PCT/US2015/055774)
[87] (WO2017/065779)

[21] **2,997,709**
[13] A1
[51] **Int.Cl. E21B 43/17 (2006.01) C09K 8/62 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **ENHANCING PROPPED COMPLEX FRACTURE NETWORKS IN SUBTERRANEAN FORMATIONS**
[54] **AMELIORATION DE RESEAUX DE FRACTURES COMPLEXES A SOUTENEMENT DANS DES FORMATIONS SOUTERRAINES**
[72] NGUYEN, PHILIP D., US
[72] DUSTERHOFT, RONALD GLEN, US
[72] LAHMAN, MATTHEW LEWIS, US
[72] RUSSELL, AARON GENE, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-03-06
[86] 2015-10-22 (PCT/US2015/056873)
[87] (WO2017/069760)

[21] **2,997,712**
[13] A1
[51] **Int.Cl. C25C 3/08 (2006.01)**
[25] EN
[54] **METHOD FOR LINING A CATHODE OF A REDUCTION CELL FOR PRODUCTION OF PRIMARY ALUMINUM**
[54] **PROCEDE D'APPLICATION DE REVETEMENT DE CATHODE D'UN ELECTROLYSEUR POUR PRODUIRE DE L'ALUMINIUM PRIMAIRE**
[72] PROSHKIN, ALEXANDR VLADIMIROVICH, RU
[72] PINGIN, VITALIJ VALER'EVICH, RU
[72] NAGIBIN, GENNADIJ EFIMOVICH, RU
[72] SBITNEV, ANDREI GENNADIEVICH, RU
[71] OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR", RU
[85] 2018-03-06
[86] 2016-12-30 (PCT/RU2016/000953)
[87] (WO2017/138843)
[30] RU (2016104190) 2016-02-09

[21] **2,997,713**
[13] A1
[51] **Int.Cl. E21B 44/00 (2006.01) G05B 19/02 (2006.01) G06F 19/00 (2018.01)**
[25] EN
[54] **ENHANCING DRILLING OPERATIONS WITH COGNITIVE COMPUTING**
[54] **AMELIORATION D'OPERATIONS DE FORAGE PAR CALCUL COGNITIF**
[72] JAMISON, DALE E., US
[72] WILLIAMS, ROBERT LYNN, US
[72] BAR, AMIR, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-03-06
[86] 2015-10-30 (PCT/US2015/058458)
[87] (WO2017/074456)

[21] **2,997,717**
[13] A1
[51] **Int.Cl. E21B 44/00 (2006.01) E21B 10/00 (2006.01) G06F 19/00 (2018.01)**
[25] EN
[54] **BOTTOMHOLE ASSEMBLY DESIGN AND COMPONENT SELECTION**
[54] **CONCEPTION D'ENSEMBLE DE FOND ET SELECTION DE COMPOSANT**
[72] DYKSTRA, JASON D., US
[72] VADALI, VENKATA MADHUKANTH, US
[72] SONG, XINGYONG, US
[72] ZHAO, YIMING, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-03-06
[86] 2015-12-29 (PCT/US2015/067869)
[87] (WO2017/116417)

[21] **2,997,721**
[13] A1
[51] **Int.Cl. A01K 73/02 (2006.01) A01K 79/00 (2006.01)**
[25] EN
[54] **A METHOD OF EXTRACTING AQUATIC ANIMALS FROM AN APPARATUS**
[54] **PROCEDE D'EXTRACTION D'ANIMAUX AQUATIQUES A PARTIR D'UN APPAREIL**
[72] JERRETT, ALISTAIR RENFREW, NZ
[72] JANSSEN, GERARD JOHN, NZ
[72] BLACK, SUZANNE ELAINE, NZ
[72] MORAN, DAMIAN, NZ
[71] THE NEW ZEALAND INSTITUTE FOR PLANT AND FOOD RESEARCH LIMITED, NZ
[85] 2018-03-06
[86] 2016-09-08 (PCT/NZ2016/050143)
[87] (WO2017/048134)
[30] NZ (New Zealand 712511) 2015-09-18

[21] **2,997,722**
[13] A1
[51] **Int.Cl. H02B 1/48 (2006.01) H02B 1/28 (2006.01) H02G 3/12 (2006.01) H02G 3/18 (2006.01)**
[25] EN
[54] **OUTDOOR FLOOR BOX ENCLOSURE**
[54] **ENCEINTE DE BOITE DE PLANCHER D'EXTERIEUR**
[72] BONILLA, NELSON, US
[72] LUTZ, DAVID L., US
[71] HUBBELL INCORPORATED, US
[85] 2018-03-06
[86] 2016-08-08 (PCT/US2016/046017)
[87] (WO2017/024303)
[30] US (62/201,927) 2015-08-06

[21] **2,997,727**
[13] A1
[51] **Int.Cl. A61F 5/00 (2006.01)**
[25] EN
[54] **INTRAGASTRIC DEVICE FOR TREATING OBESITY**
[54] **DISPOSITIF INTRAGASTRIQUE POUR TRAITER L'OBESITE**
[72] SHARMA, VIRENDER K., US
[72] BASUDE, RAGHUVEER, US
[71] SYNERZ MEDICAL, INC., US
[85] 2018-03-06
[86] 2016-04-20 (PCT/US2016/028509)
[87] (WO2017/052694)
[30] US (14/862,706) 2015-09-23

[21] **2,997,730**
[13] A1
[51] **Int.Cl. G02B 6/42 (2006.01) H04B 10/40 (2013.01)**
[25] EN
[54] **SPACE ACTIVE OPTICAL CABLE**
[54] **CABLE OPTIQUE A ACTIVATION SPATIALE**
[72] WOOD, LANCE A., US
[72] KOPURU, HARSHA KRISHNA, US
[72] MITCHELL, REBEKAH JEAN, US
[72] SMITH, JASON PAUL, US
[72] WASALAND, TIMOTHY JOHN, US
[71] LOCKHEED MARTIN CORPORATION, US
[85] 2018-03-06
[86] 2016-05-11 (PCT/US2016/031767)
[87] (WO2016/183142)
[30] US (62/161,767) 2015-05-14
[30] US (15/150,254) 2016-05-09

[21] **2,997,745**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATMENT OF GAUCHER DISEASE VIA MODULATION OF C5A RECEPTOR**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DE LA MALADIE DE GAUCHER PAR L'INTERMEDIAIRE DE LA MODULATION DU RECEPTEUR C5A**
[72] PANDEY, MANOJ KUMAR, US
[71] CHILDREN'S HOSPITAL MEDICAL CENTER, US
[85] 2018-03-06
[86] 2016-08-29 (PCT/US2016/049237)
[87] (WO2017/048495)
[30] US (62/218,122) 2015-09-14

[21] **2,997,758**
[13] A1
[51] **Int.Cl. B26D 5/02 (2006.01) B26F 1/38 (2006.01) B26F 1/44 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF DISPLAYS FROM ALVEOLAR OR CELL PLATES OF THERMOPLASTIC POLYMERS AND/OR COPOLYMERS**
[54] **PROCEDE DE PRODUCTION DE PRESENTOIRS A PARTIR DE PLAQUES ALVEOLAIRES OU CELLULAIRES DE POLYMERES ET/OU DE COPOLYMERES THERMOPLASTIQUES**
[72] SAGHATIAN, RICARDO JORGE KEUROGLIAN, UY
[72] BARDAKCHIAN, JOSE SANTIAGO GEOZUCARAIAN, UY
[71] ARQUIFOAM IP, LLC, US
[85] 2018-03-06
[86] 2016-09-06 (PCT/US2016/050386)
[87] (WO2017/044413)
[30] AR (P2015 01 02855) 2015-09-07

[21] **2,997,776**
[13] A1
[51] **Int.Cl. G06Q 20/30 (2012.01)**
[25] EN
[54] **MESSAGE DISPATCHER FOR PAYMENT SYSTEM**
[54] **DISTRIBUTEUR DE MESSAGES POUR SYSTEME DE PAIEMENT**
[72] VADERA, KSHITIZ, US
[71] SQUARE, INC., US
[85] 2018-03-06
[86] 2016-09-23 (PCT/US2016/053303)
[87] (WO2017/053699)
[30] US (14/863,381) 2015-09-23
[30] US (15/052,792) 2016-02-24
[30] US (15/052,790) 2016-02-24

[21] **2,997,779**
[13] A1
[51] **Int.Cl. G06F 3/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SYSTEMIC DETECTION OF DISPLAY ERRORS**
[54] **SYSTEME ET PROCEDE POUR LA DETECTION GENERALE D'ERREURS D'AFFICHAGE**
[72] DUNN, WILLIAM, US
[72] WILLIAMS, DAVID, US
[72] SCHUCH, JOHN, US
[71] MANUFACTURING RESOURCES INTERNATIONAL, INC., US
[85] 2018-03-06
[86] 2016-09-12 (PCT/US2016/051326)
[87] (WO2017/044952)
[30] US (62/216,470) 2015-09-10

[21] **2,997,782**
[13] A1
[51] **Int.Cl. F16K 31/52 (2006.01) F16K 15/03 (2006.01) F16K 15/18 (2006.01)**
[25] EN
[54] **CHECK VALVE CONTROL UNIT**
[54] **UNITE DE COMMANDE DE SOUPAPE DE RETENUE**
[72] TANNER, DOUGLAS J., US
[72] HALVORSON, FORREST, US
[72] HILDEBRANDT, DAVID G., US
[72] BARTELL, DONALD L., US
[72] SMITH, DENNIS JAY, US
[72] O'SHEA, TIMOTHY M., US
[71] DEZURIK, INC., US
[85] 2018-03-06
[86] 2016-09-28 (PCT/US2016/054207)
[87] (WO2017/058933)
[30] US (62/233,845) 2015-09-28
[30] US (62/397,507) 2016-09-21

[21] **2,997,785**
[13] A1
[51] **Int.Cl. A45D 44/00 (2006.01)**
[25] EN
[54] **PRECISION APPLICATOR**
[54] **APPLICATEUR DE PRECISION**
[72] STANLEY, SCOTT KENDYL, US
[72] SABA, MARIANA, SG
[72] RAPACH, ANDREW PAUL, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-03-06
[86] 2016-09-22 (PCT/US2016/052970)
[87] (WO2017/053489)
[30] US (62/232,477) 2015-09-25

[21] **2,997,786**
[13] A1
[51] **Int.Cl. A61K 31/7088 (2006.01) C12N 15/113 (2010.01) A61K 48/00 (2006.01) A61P 17/02 (2006.01)**
[25] EN
[54] **MIR-19 MODULATORS AND USES THEREOF**
[54] **MODULATEURS DE MIR-19 ET LEURS UTILISATIONS**
[72] SESSA, WILLIAM C., US
[72] DALBY, CHRISTINA M., US
[72] GALLANT-BEHM, CORRIE LYNN, US
[71] MIRAGEN THERAPEUTICS, INC., US
[85] 2018-03-06
[86] 2016-09-22 (PCT/US2016/053192)
[87] (WO2017/053622)
[30] US (62/222,079) 2015-09-22

[21] **2,997,787**
[13] A1
[51] **Int.Cl. G06F 19/20 (2011.01)**
[25] EN
[54] **IMMUNOREPERTOIRE NORMALITY ASSESSMENT METHOD AND ITS USE**
[54] **PROCEDE D'EVALUATION DE LA NORMALITE DU REPERTOIRE IMMUNOLOGIQUE ET SON UTILISATION**
[72] HAN, JIAN, US
[71] IREPERTOIRE, INC., US
[85] 2018-03-06
[86] 2016-09-29 (PCT/US2016/054469)
[87] (WO2017/059084)
[30] US (62/234,424) 2015-09-29

[21] **2,997,788**
[13] A1
[51] **Int.Cl. E05B 47/00 (2006.01) E05B 47/02 (2006.01) E05B 47/06 (2006.01) E05B 49/00 (2006.01) E05B 65/00 (2006.01) G07C 9/00 (2006.01)**
[25] EN
[54] **ELECTRONIC LOCKING APPARATUS FOR A ROLLUP DOOR**
[54] **APPAREIL DE VERROUILLAGE ELECTRONIQUE POUR UNE PORTE A ENROULEMENT**
[72] SCHROEDER, CURTIS LEON, US
[71] JANUS INTERNATIONAL GROUP, LLC, US
[85] 2018-03-06
[86] 2016-09-08 (PCT/US2016/050736)
[87] (WO2017/044599)
[30] US (62/215,580) 2015-09-08

[21] **2,997,789**
[13] A1
[51] **Int.Cl. G02B 27/01 (2006.01) G06T 19/00 (2011.01) G06F 3/01 (2006.01) G06F 3/16 (2006.01) G10L 19/00 (2013.01) H04R 5/02 (2006.01)**
[25] EN
[54] **HEAD POSE MIXING OF AUDIO FILES**
[54] **MELANGE DE FICHIERS AUDIO EN FONCTION DE POSES DE TETE**
[72] MANGIAT, STEPHEN VINCENT, US
[72] TUCKER, MICHAEL BENSON, US
[72] TAJIK, ANASTASIA ANDREYEVNA, US
[71] MAGIC LEAP, INC., US
[85] 2018-03-06
[86] 2016-09-13 (PCT/US2016/051521)
[87] (WO2017/048713)
[30] US (62/219,604) 2015-09-16
[30] US (62/289,085) 2016-01-29

[21] **2,997,791**
[13] A1
[51] **Int.Cl. A61K 49/10 (2006.01)**
[25] EN
[54] **ASCORBATE FORMULATIONS AND METHODS OF USE AS CONTRAST AGENTS**
[54] **FORMULATIONS D'ASCORBATE ET METHODES D'UTILISATION EN TANT QU'AGENTS DE CONTRASTE**
[72] LASCOLA, CHRISTOPHER DAVID, US
[71] DUKE UNIVERSITY, US
[85] 2018-03-06
[86] 2016-09-29 (PCT/US2016/054481)
[87] (WO2017/059092)
[30] US (62/234,986) 2015-09-30
[30] US (62/291,138) 2016-02-04

[21] **2,997,792**
[13] A1
[51] **Int.Cl. B64F 1/28 (2006.01) B67D 7/04 (2010.01) H02M 3/315 (2006.01) H02P 6/04 (2016.01)**
[25] EN
[54] **SOLAR FUELING STATION**
[54] **STATION DE RAVITAILLEMENT EN CARBURANT SOLAIRE**
[72] SCHUSTER, LEON R., US
[72] NOVAK, JAMES M., US
[72] WATZKE, DONALD E., US
[72] NELSON, WILLIAM S., US
[71] FRANKLIN FUELING SYSTEMS, INC., US
[85] 2018-03-06
[86] 2016-09-30 (PCT/US2016/054894)
[87] (WO2017/059305)
[30] US (62/236,747) 2015-10-02
[30] US (62/316,911) 2016-04-01

[21] **2,997,794**
[13] A1
[51] **Int.Cl. A01G 9/24 (2006.01) F21S 4/20 (2016.01) A01G 9/14 (2006.01) A01G 9/20 (2006.01) F21V 21/14 (2006.01) F21V 33/00 (2006.01) F24F 11/00 (2018.01)**
[25] EN
[54] **GROWING VEGETABLES WITHIN A CLOSED AGRICULTURAL ENVIRONMENT**
[54] **CROISSANCE DE LEGUMES DANS UN ENVIRONNEMENT AGRICOLE FERME**
[72] TABAKMAN, ZALE LEWIS DAVID, CA
[71] 2479402 ONTARIO INC., CA
[85] 2018-03-07
[86] 2016-09-08 (PCT/CA2016/000226)
[87] (WO2017/041164)
[30] US (62/216,343) 2015-09-09
[30] US (15/258,770) 2016-09-07

[21] **2,997,796**
[13] A1
[51] **Int.Cl. C04B 35/528 (2006.01) B28B 19/00 (2006.01)**
[25] EN
[54] **PROCESS FOR COATING A SUBSTRATE WITH A CARBON-BASED MATERIAL**
[54] **PROCEDE POUR LE REVETEMENT D'UN SUBSTRAT PAR UN MATERIAU A BASE DE CARBONE**
[72] TRUICA-MARASESCU, FLORINA, CA
[72] GALLERNAULT, MARY F.M., CA
[72] LEMAY, REJEAN JOSEPH ROGER, CA
[72] WARD, JOHN A., CA
[71] GRAFOID INC., CA
[85] 2018-03-07
[86] 2016-09-08 (PCT/CA2016/051056)
[87] (WO2017/041171)
[30] US (62/215,544) 2015-09-08

[21] **2,997,799**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-PD1 ANTIBODIES AND METHODS OF USE**
[54] **ANTICORPS ANTI-PD1 ET METHODES D'UTILISATION**
[72] SEEBER, STEFAN, DE
[72] LIFKE, VALERIA, DE
[72] FISCHER, JENS, DE
[72] WEISER, BARBARA, DE
[72] WUENSCHE, ILDIKO, DE
[72] PLOETTNER, OLIVER, DE
[72] ZWICK, ADRIAN, DE
[72] GEORGES, GUY, DE
[72] DENGL, STEFAN, DE
[72] LEVITSKI, VIKTOR, CH
[72] KLEIN, CHRISTIAN, CH
[72] CODARRI DEAK, LAURA, CH
[72] FENN, SEBASTIAN, DE
[72] BENZ, JOERG, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2018-03-06
[86] 2016-09-29 (PCT/EP2016/073248)
[87] (WO2017/055443)
[30] EP (15188061.4) 2015-10-02

[21] **2,997,801**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **BISPECIFIC ANTI-HUMAN CD20/HUMAN TRANSFERRIN RECEPTOR ANTIBODIES AND METHODS OF USE**
[54] **ANTICORPS DE RECEPTEUR DE LA TRANSFERRINE HUMAINE/ANTI-HUMAINE CD20 BISPECIFIQUE ET LEURS PROCEDES D'UTILISATION**
[72] DUERR, HARALD, DE
[72] FENN, SEBASTIAN, DE
[72] GOEPFERT, ULRICH, DE
[72] IMHOF-JUNG, SABINE, DE
[72] KLEIN, CHRISTIAN, CH
[72] LARIVIERE, LAURENT, DE
[72] MOLHOJ, MICHAEL, DE
[72] REGULA, JOERG THOMAS, DE
[72] RUEGER, PETRA, DE
[72] SCHAEFER, WOLFGANG, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2018-03-06
[86] 2016-09-30 (PCT/EP2016/073413)
[87] (WO2017/055542)
[30] EP (15188067.1) 2015-10-02

[21] **2,997,803**
[13] A1
[51] **Int.Cl. H04W 4/10 (2009.01) H04W 4/08 (2009.01) H04L 29/06 (2006.01) H04L 29/08 (2006.01)**
[25] EN
[54] **VIDEO MANAGEMENT DEFINED EMBEDDED VOICE COMMUNICATION GROUPS**
[54] **GROUPES DE COMMUNICATION VOCALE INTEGRES DEFINIS PAR GESTION VIDEO**
[72] MAZZARELLA, JOSEPH R., US
[72] WENGROVITZ, MICHAEL S., US
[72] HATTEN, MARK, US
[71] MUTUALINK, INC., US
[85] 2018-03-06
[86] 2016-10-05 (PCT/US2016/055544)
[87] (WO2017/062487)
[30] US (14/875,260) 2015-10-05

[21] **2,997,804**
[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01) G06Q 20/00 (2012.01)**
[25] EN
[54] **ELECTRONIC CERTIFICATE-BASED TRANSACTION SYSTEM**
[54] **SYSTEME DE TRANSACTION A BASE DE CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-03-07
[86] 2014-09-12 (PCT/CN2014/086462)
[87] (WO2016/037369)

[21] **2,997,805**
[13] A1
[51] **Int.Cl. B65D 75/58 (2006.01) B65D 33/06 (2006.01) C11D 17/00 (2006.01) B65D 75/56 (2006.01)**
[25] EN
[54] **FLEXIBLE BOX BAG COMPRISING SOLUBLE UNIT DOSE DETERGENT POUCH**
[54] **SAC DE BOITE SOUPLE COMPRENANT UN SACHET DE DETERGENT EN DOSE UNITAIRE SOLUBLE**
[72] GEERAERT, DOMINIQUE CELINE IGNACE MARIE, BE
[72] ELMIHY, MOSTAFA, BE
[72] ROGERS, NEIL JOHN, BE
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-03-06
[86] 2016-10-06 (PCT/US2016/055662)
[87] (WO2017/062561)
[30] EP (15188639.7) 2015-10-06

[21] **2,997,808**
[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01) G06Q 20/00 (2012.01)**
[25] EN
[54] **ELECTRONIC CERTIFICATE-BASED PAYMENT SYSTEM**
[54] **SYSTEME DE PAIEMENT BASE SUR UN CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-03-07
[86] 2014-09-12 (PCT/CN2014/086464)
[87] (WO2016/037371)

[21] **2,997,809**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/02 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **IL-7R-ALPHA SPECIFIC ANTIBODIES FOR TREATING ACUTE LYMPHOBLASTIC LEUKEMIA**
[54] **ANTICORPS SPECIFIQUES D'IL-7R-ALPHA POUR LE TRAITEMENT LA LEUCEMIE LYMPHOBLASTIQUE AIGUE**
[72] DURUM, SCOTT, US
[72] HIXON, JULIE, US
[72] LI, WEN QING, US
[72] WALSH, SCOTT, US
[72] KASHI, LILA, US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[71] UNIVERSITY OF MARYLAND, COLLEGE PARK, US
[85] 2018-03-06
[86] 2016-10-07 (PCT/US2016/055957)
[87] (WO2017/062748)
[30] US (62/238,612) 2015-10-07

[21] **2,997,811**
[13] A1
[51] **Int.Cl. C12N 5/10 (2006.01) C12N 15/113 (2010.01) A61K 9/00 (2006.01) A61K 9/51 (2006.01) A61K 31/7088 (2006.01) A61K 35/12 (2015.01) C12N 15/10 (2006.01) C12N 15/87 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **EXOSOME PACKAGING OF NUCLEIC ACIDS**
[54] **ENCAPSULATION D'ACIDES NUCLEIQUES DANS DES EXOSOMES**
[72] GIBBINGS, DERRICK, CA
[72] TAYLOR, JAMES ANDREW, CA
[71] UNIVERSITY OF OTTAWA, CA
[85] 2018-03-06
[86] 2016-09-30 (PCT/CA2016/051140)
[87] (WO2017/054085)
[30] US (62/236,057) 2015-10-01

[21] **2,997,813**
[13] A1
[51] **Int.Cl. G06Q 20/22 (2012.01)**
[25] EN
[54] **ELECTRONIC CERTIFICATE-BASED GOODS DISTRIBUTION SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE MARCHANDISES BASE SUR UN CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-03-07
[86] 2014-09-12 (PCT/CN2014/086465)
[87] (WO2016/037372)

[21] **2,997,814**
[13] A1
[51] **Int.Cl. F04B 9/08 (2006.01) F04B 7/00 (2006.01) F04B 7/02 (2006.01) F15B 9/08 (2006.01)**
[25] EN
[54] **RECIPROCATING DRIVE MECHANISM WITH A SPOOL VENT**
[54] **MECANISME D'ENTRAINEMENT ALTERNATIF PRESENTANT UN EVENT DE BOBINE**
[72] GUCCIONE, RAY, US
[72] MARCIS, RICHARD, US
[71] MONKEY PUMPS, LLC, US
[85] 2018-03-06
[86] 2016-10-31 (PCT/US2016/059708)
[87] (WO2017/087146)
[30] US (14/945,787) 2015-11-19

[21] **2,997,815**
[13] A1
[51] **Int.Cl. G06Q 20/12 (2012.01) G06Q 20/00 (2012.01)**
[25] EN
[54] **INTELLIGENT ELECTRONIC COMMERCE SYSTEM, AND METHOD AND DEVICE FOR IMPLEMENTING SAME**
[54] **SYSTEME DE COMMERCE ELECTRONIQUE INTELLIGENT, ET PROCEDE ET DISPOSITIF PERMETTANT DE METTRE EN □UVRE CE SYSTEME**
[72] ZHANG, YI, CN
[72] NIU, FENGGANG, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-03-07
[86] 2015-11-26 (PCT/CN2015/095711)
[87] (WO2017/088152)

[21] **2,997,819**
[13] A1
[51] **Int.Cl. C22C 21/10 (2006.01) C22F 1/053 (2006.01)**
[25] EN
[54] **HIGH-STRENGTH ALUMINUM-BASED ALLOY AND METHOD FOR PRODUCING ARTICLES THEREFROM**
[54] **ALLIAGE TRES RESISTANT A BASE D'ALUMINIUM ET PROCEDE DE FABRICATION D'ARTICLES A BASE DE CE MATERIAU**
[72] MANN, VIKTOR KHRIST'YANOVICH, RU
[72] ALABIN, ALEKSANDR NIKOLAEVICH, RU
[72] FROLOV, ANTON VALER'EVICH, RU
[72] GUSEV, ALEKSANDR OLEGOVICH, RU
[72] KROKHIN, ALEKSANDR YUR'EVICH, RU
[72] BELOV, NIKOLAJ ALEKSANDROVICH, RU
[71] OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR", RU
[85] 2018-03-06
[86] 2016-04-29 (PCT/RU2016/000262)
[87] (WO2017/058052)
[30] RU (2015141320) 2015-09-29

[21] **2,997,833**
[13] A1
[51] **Int.Cl. G01S 13/00 (2006.01)**
[25] EN
[54] **WIND FARM AIRCRAFT BEACON SYSTEM AND WIND FARM HAVING SAID SYSTEM AND METHOD FOR PROVIDING A WIND FARM WITH A BEACON**
[54] **SYSTEME DE FEUX DE BALISAGE AERIEN D'UN PARC EOLIEN AINSI QUE PARC EOLIEN POURVU DU SYSTEME ET PROCEDE DE BALISAGE D'UN PARC EOLIEN**
[72] RISTAU, JOACHIM, DE
[72] STURENBURG, ERICH, DE
[72] HARMS, STEPHAN, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2018-03-07
[86] 2016-08-03 (PCT/EP2016/068476)
[87] (WO2017/054966)
[30] DE (10 2015 116 596.1) 2015-09-30

[21] **2,997,837**
[13] A1
[51] **Int.Cl. H04N 19/00 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS OF ADVANCED DEBLOCKING FILTER IN VIDEO CODING**
[54] **PROCEDE ET APPAREIL DE FILTRE DE DEBLOCAGE AVANCE DANS UN CODAGE VIDEO**
[72] ZHANG, KAI, CN
[72] AN, JICHENG, CN
[72] HUANG, HAN, CN
[71] MEDIATEK SINGAPORE PTE. LTD., SG
[85] 2018-03-06
[86] 2016-09-13 (PCT/CN2016/098834)
[87] (WO2017/045580)
[30] CN (PCT/CN2015/089523) 2015-09-14

[21] **2,997,838**
[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01) G01N 33/53 (2006.01) G01N 33/564 (2006.01)**
[25] EN
[54] **URINARY BIOMARKERS FOR SLE AND LUPUS NEPHRITIS**
[54] **BIOMARQUEURS URINAIRES DU LUPUS ERYTHEMATEUX AIGU DISSEMINE ET DE LA NEPHROPATHIE LUPIQUE**
[72] WITHER, JOAN E., CA
[72] FORTIN, PAUL R., CA
[72] REICH, HEATHER N., CA
[72] SCHOLEY, JAMES W., CA
[72] LANDOLT-MARTICORENA, CAROLINA M., CA
[72] AVILA-CASADO, CARMEN, CA
[72] BOUTROS, PAUL C., CA
[71] UNIVERSITY HEALTH NETWORK, CA
[71] ONTARIO INSTITUTE FOR CANCER RESEARCH (OICR), CA
[85] 2018-03-06
[86] 2015-10-07 (PCT/CA2015/051016)
[87] (WO2016/054738)
[30] US (62/060,921) 2014-10-07

[21] **2,997,841**
[13] A1
[51] **Int.Cl. E06B 3/67 (2006.01) E06B 3/677 (2006.01)**
[25] EN
[54] **VARIABLE THERMAL INSULATION ASSEMBLY**
[54] **ENSEMBLE D'ISOLATION THERMIQUE VARIABLE**
[72] WHITEHEAD, LORNE, CA
[72] MOSSMAN, MICHELE, CA
[72] EELTINK, DEBBIE, CA
[72] OGILVIE, LAURA MEGAN, CA
[72] SCOTT, JON, CA
[72] MUSTERER, AMRITA, CA
[72] BOWLEY, WESLEY, CA
[71] THE UNIVERSITY OF BRITISH COLUMIBA, CA
[85] 2018-03-07
[86] 2016-09-09 (PCT/CA2016/051072)
[87] (WO2017/041184)
[30] US (62/216,614) 2015-09-10
[30] US (62/218,949) 2015-09-15

[21] **2,997,842**
[13] A1
[51] **Int.Cl. A61K 9/107 (2006.01) A61K 9/00 (2006.01) A61K 31/192 (2006.01) A61K 31/196 (2006.01) A61K 47/24 (2006.01) A61P 29/00 (2006.01) C07C 57/30 (2006.01) C07C 59/66 (2006.01) C07C 59/84 (2006.01) C07C 229/42 (2006.01)**
[25] EN
[54] **TRANSDERMAL FORMULATIONS FOR DELIVERY OF PROPIONIC AND ACETIC ACID NSAIDS, AND THEIR USE IN THE TREATMENT OF NSAID-RESPONSIVE DISEASES AND CONDITIONS**
[54] **FORMULATIONS TRANSDERMIQUES POUR L'ADMINISTRATION D'AINS A BASE D'ACIDE PROPIONIQUE ET ACETIQUE ET LEUR UTILISATION DANS LE TRAITEMENT DE MALADIES ET DE PATHOLOGIES SENSIBLES AUXAINS**
[72] GABRIELE, JOSEPH, CA
[72] TERIS, MIKAELA, CA
[71] DELIVRA INC., CA
[85] 2018-03-07
[86] 2016-09-19 (PCT/CA2016/051095)
[87] (WO2017/045081)
[30] US (62/220,605) 2015-09-18

[21] **2,997,843**
[13] A1
[51] **Int.Cl. F25B 45/00 (2006.01) F16N 21/00 (2006.01) F24F 13/00 (2006.01) C09K 5/00 (2006.01) C10M 129/16 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICES, AND METHODS FOR FLUID MANAGEMENT**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE GESTION DE FLUIDES**
[72] HOMENUIK, JESSE RICHARD, CA
[72] HILL, NORMA, CA
[72] APPLER, PAUL CLARENCE, CA
[71] CLIPLIGHT HOLDINGS, LTD., CA
[85] 2018-03-07
[86] 2016-09-09 (PCT/CA2016/051069)
[87] (WO2017/041181)
[30] US (62/217,534) 2015-09-11

[21] **2,997,846**
[13] A1
[51] **Int.Cl. F04D 1/06 (2006.01) F01D 1/10 (2006.01) F01D 5/06 (2006.01) F04D 29/40 (2006.01)**
[25] EN
[54] **SHEAR FLOW TURBOMACHINERY DEVICES**
[54] **DISPOSITIFS DE TURBOMACHINE A FLUX DE CISAILLEMENT**
[72] LOCKHART, DOUGLAS LLOYD, CA
[72] HARWOOD, PETER COLIN, AU
[71] LOCKHART, DOUGLAS LLOYD, CA
[71] HARWOOD, PETER COLIN, AU
[85] 2018-03-07
[86] 2016-09-09 (PCT/CA2016/051070)
[87] (WO2017/041182)
[30] US (62/216,940) 2015-09-10

[21] **2,997,847**
[13] A1
[51] **Int.Cl. A01H 5/08 (2018.01) C12N 9/12 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **COPY NUMBER VARIANT LEADING TO VIRUS RESISTANCE**
[54] **VARIANTE DE NOMBRE DE COPIES ENTRAINANT UNE RESISTANCE VIRALE**
[72] DE JOODE, JASPER, NL
[72] FRIJTERS, RAOUL JACOBUS JOHANNES MARIA, NL
[71] RIJK ZWAAN ZAADTEELT EN ZAADHANDEL B.V., NL
[85] 2018-03-07
[86] 2016-04-26 (PCT/EP2016/059297)
[87] (WO2017/054938)
[30] NL (2015547) 2015-10-02

[21] **2,997,859**
[13] A1
[51] **Int.Cl. A61K 31/4985 (2006.01) A61K 9/14 (2006.01) A61K 9/20 (2006.01) A61K 47/12 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **DOSAGE FORM COMPOSITIONS COMPRISING AN INHIBITOR OF BRUTON'S TYROSINE KINASE**
[54] **COMPOSITIONS DE FORMES GALENIQUES COMPRENANT UN INHIBITEUR DE LA TYROSINE KINASE DE BRUTON**
[72] MAO, CHEN, US
[72] KOU, DAWEN, US
[72] CHIANG, PO-CHANG, US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2018-03-07
[86] 2017-02-27 (PCT/EP2017/054435)
[87] (WO2017/148837)
[30] US (62/301,373) 2016-02-29

[21] **2,997,890**
[13] A1
[51] **Int.Cl. B41F 19/00 (2006.01) B41F 16/00 (2006.01)**
[25] EN
[54] **SHEET-FED STAMPING PRESS COMPRISING A FOIL LAMINATING UNIT**
[54] **PRESSE A ESTAMPER ALIMENTEE EN FEUILLES COMPRENANT UNE UNITE DE STRATIFICATION DE MATERIAU EN PELLICULE**
[72] GYGI, MATTHIAS, CH
[72] BAUER, REGINA, DE
[72] KRIEGE, BJORN, DE
[71] KBA-NOTASYS SA, CH
[85] 2018-03-07
[86] 2016-11-03 (PCT/IB2016/056617)
[87] (WO2017/077477)
[30] EP (15193276.1) 2015-11-05

[21] **2,997,891**
[13] A1
[51] **Int.Cl. B41F 19/00 (2006.01) B41F 16/00 (2006.01)**
[25] EN
[54] **SHEET-FED STAMPING PRESS HAVING A FOIL LAMINATING UNIT**
[54] **PRESSE A GAUFRER D'ACHEMINEMENT DE FEUILLE AYANT UNE UNITE DE STRATIFICATION DE FEUILLE**
[72] GYGI, MATTHIAS, CH
[72] BAUER, REGINA, DE
[72] KRIEGE, BJORN, DE
[71] KBA-NOTASYS SA, CH
[85] 2018-03-07
[86] 2016-11-03 (PCT/IB2016/056619)
[87] (WO2017/077478)
[30] EP (15193279.5) 2015-11-05

[21] **2,997,892**
[13] A1
[51] **Int.Cl. B32B 37/00 (2006.01) B32B 27/00 (2006.01) B32B 37/06 (2006.01) B32B 37/12 (2006.01)**
[25] EN
[54] **HOT-STAMPING PRESS**
[54] **PRESSE A MARQUER A CHAUD**
[72] BERTHON, AURELIE, CH
[72] DIMITRIJEVIC, ANA, CH
[72] THONY, EMMANUEL, CH
[71] KBA-NOTASYS SA, CH
[85] 2018-03-07
[86] 2016-11-29 (PCT/IB2016/057186)
[87] (WO2017/093894)
[30] EP (15197154.6) 2015-11-30

[21] **2,997,893**
[13] A1
[51] **Int.Cl. F02D 23/00 (2006.01) F02D 21/08 (2006.01)**
[25] EN
[54] **EXHAUST GAS RECIRCULATION CONTROL METHOD AND EXHAUST GAS RECIRCULATION CONTROL DEVICE**
[54] **PROCEDE ET DISPOSITIF DE COMMANDE DE RECYCLAGE DES GAZ D'ECHAPPEMENT**
[72] KOBARA, TETSUYA, JP
[72] HAMAMOTO, TAKAYUKI, JP
[72] TERAYAMA, KAZUHIRO, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-03-07
[86] 2015-09-07 (PCT/JP2015/075352)
[87] (WO2017/042868)

[21] **2,997,894**
[13] A1
[51] **Int.Cl. B62M 11/00 (2006.01) B62M 11/14 (2006.01) B62M 11/18 (2006.01)**
[25] EN
[54] **AN AUTOMATIC TRANSMISSION SYSTEM WHERE GEAR ENGAGEMENT IS DETERMINED BY THE ANGULAR VELOCITY OF THE DRIVEN WHEEL**
[54] **SYSTEME DE TRANSMISSION AUTOMATIQUE DANS LEQUEL UN ENGRENEMENT DE ROUE DENTEE EST DETERMINE PAR LA VITESSE ANGULAIRE DE LA ROUE ENTRAINEE**
[72] POPPER, ZIV ACHITUV, IL
[72] POPPER, BOAZ JACHIN, IL
[71] POPPER TECHNOLOGIES (1983) LTD, IL
[71] POPPER, ZIV ACHITUV, IL
[85] 2018-03-07
[86] 2015-09-10 (PCT/IL2015/050926)
[87] (WO2016/042548)
[30] GB (1416382.8) 2014-09-17

[21] **2,997,895**
[13] A1
[51] **Int.Cl. C22C 38/58 (2006.01) C21D 8/00 (2006.01) C22C 38/02 (2006.01) C22C 38/42 (2006.01) C22C 38/44 (2006.01) C22C 38/48 (2006.01)**
[25] EN
[54] **AUSTENITIC STAINLESS STEEL AND METHOD OF MANUFACTURING AUSTENITIC STAINLESS STEEL**
[54] **ACIER INOXYDABLE AUSTENITIQUE ET SON PROCEDE DE PRODUCTION**
[72] HIRATA, HIROYUKI, JP
[72] JOTOKU, KANA, JP
[72] OMURA, TOMOHIKO, JP
[72] NAKAMURA, JUN, JP
[72] TERUNUMA, MASAAKI, JP
[72] OSUKI, TAKAHIRO, JP
[72] UEYAMA, MASAKI, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2018-03-07
[86] 2016-07-06 (PCT/JP2016/070042)
[87] (WO2017/056619)
[30] JP (2015-192676) 2015-09-30

[21] **2,997,897**
[13] A1
[51] **Int.Cl. H04N 21/435 (2011.01) H04H 20/28 (2009.01) H04H 20/59 (2009.01) H04H 60/13 (2009.01) H04H 60/82 (2009.01) H04N 21/235 (2011.01) G08B 25/08 (2006.01)**
[25] EN
[54] **RECEIVING APPARATUS, TRANSMITTING APPARATUS, AND DATA PROCESSING METHOD**
[54] **DISPOSITIF DE RECEPTION, DISPOSITIF D'EMISSION ET PROCEDE DE TRAITEMENT DE DONNEES**
[72] KITAHARA, JUN, JP
[72] KITAZATO, NAOHISA, JP
[72] YAMAGISHI, YASUAKI, JP
[72] YAMANE, TAKETOSHI, JP
[71] SONY CORPORATION, JP
[85] 2018-03-07
[86] 2016-09-02 (PCT/JP2016/075748)
[87] (WO2017/047397)
[30] JP (2015-180785) 2015-09-14

[21] **2,997,898**
[13] A1
[51] **Int.Cl. B01J 20/20 (2006.01) A61J 3/00 (2006.01) B01J 20/28 (2006.01) B32B 5/24 (2006.01)**
[25] EN
[54] **ANTICANCER AGENT ADSORBING SHEET BODY**
[54] **CORPS DE FEUILLE D'ADSORPTION D'AGENT ANTICANCEREUX**
[72] SATO, JUNYA, JP
[72] YOKOI, MAKOTO, JP
[72] SATO, KANA, JP
[71] FUTAMURA KAGAKU KABUSHIKI KAISHA, JP
[71] IWATE MEDICAL UNIVERSITY, JP
[85] 2018-03-07
[86] 2016-09-01 (PCT/JP2016/075671)
[87] (WO2017/047395)
[30] JP (2015-181831) 2015-09-15
[30] JP (2016-097120) 2016-05-13

[21] **2,997,899**
[13] A1
[51] **Int.Cl. E06B 9/36 (2006.01) E06B 9/266 (2006.01)**
[25] EN
[54] **SLAT WITH PRESSURE CONTACT PORTION AND BLINDS USING SAME**
[54] **LATTE AVEC PARTIE DE CONTACT A PRESSION ET STORES L'UTILISANT**
[72] NANBA, SHUJI, JP
[71] BUNKA, INC., JP
[85] 2018-03-07
[86] 2016-09-06 (PCT/JP2016/076179)
[87] (WO2017/043487)
[30] JP (2015-175410) 2015-09-07

[21] **2,997,902**
[13] A1
[51] **Int.Cl. H04R 7/04 (2006.01) H04R 7/00 (2006.01) H04R 7/24 (2006.01) H04R 9/00 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN OR RELATING TO AUDIO TRANSDUCERS**
[54] **AMELIORATIONS APPORTEES A DES TRANSDUCTEURS AUDIO**
[72] PALMER, DAVID, NZ
[72] PALMER, MICHAEL, NZ
[71] WING ACOUSTICS LIMITED, NZ
[85] 2018-03-07
[86] 2016-09-14 (PCT/IB2016/055472)
[87] (WO2017/046716)
[30] NZ (712255) 2015-09-14
[30] NZ (712256) 2015-09-14

[21] **2,997,903**
[13] A1
[51] **Int.Cl. B62D 29/04 (2006.01) B62D 33/00 (2006.01) B62D 65/00 (2006.01)**
[25] EN
[54] **JOINING A RAIL MEMBER TO A COMPOSITE TRAILER STRUCTURE**
[54] **ASSEMBLAGE D'UN ELEMENT DE RAIL A UNE STRUCTURE DE REMORQUE COMPOSITE**
[72] MCCLOUD, TRAVIS SMITH, US
[71] WABASH NATIONAL, L.P., US
[85] 2018-03-07
[86] 2016-09-07 (PCT/US2016/050509)
[87] (WO2017/044462)
[30] US (62/215,671) 2015-09-08

[21] **2,997,904**
[13] A1
[51] **Int.Cl. C12P 19/14 (2006.01) A61K 31/702 (2006.01) C07H 3/06 (2006.01) C08B 37/14 (2006.01) A23L 7/104 (2016.01) A23L 29/30 (2016.01) A23L 33/125 (2016.01) C12N 9/24 (2006.01) C12P 7/06 (2006.01)**
[25] EN
[54] **LOW MOLECULAR WEIGHT ARABINOXYLANS WITH BRANCHED OLIGOSACCHARIDES**
[54] **ARABINOXYLANES DE BAS POIDS MOLECULAIRE AVEC DES OLIGOSACCHARIDES RAMIFIES**
[72] FALCK, PETER, SE
[71] PURE FIBER LIMITED, IE
[85] 2018-03-07
[86] 2016-09-09 (PCT/SE2016/050843)
[87] (WO2017/044039)
[30] SE (1551165-2) 2015-09-11
[30] SE (1551401-1) 2015-10-29

[21] **2,997,908**
[13] A1
[51] **Int.Cl. B60G 3/00 (2006.01) B60G 5/00 (2006.01) B60G 7/00 (2006.01) B60G 9/00 (2006.01) B60G 11/00 (2006.01) B60G 11/27 (2006.01) B61D 17/00 (2006.01) B62D 21/00 (2006.01) B62D 21/05 (2006.01) B62D 21/10 (2006.01) B62D 33/00 (2006.01)**
[25] EN
[54] **JOINING A SUSPENSION ASSEMBLY TO A COMPOSITE TRAILER STRUCTURE**
[54] **RACCORDEMENT D'UN ENSEMBLE SUSPENSION A UNE STRUCTURE DE REMORQUE COMPOSITE**
[72] MCCLOUD, TRAVIS SMITH, US
[71] WABASH NATIONAL, L.P., US
[85] 2018-03-07
[86] 2016-09-07 (PCT/US2016/050510)
[87] (WO2017/044463)
[30] US (62/215,660) 2015-09-08

[21] **2,997,912**
[13] A1
[51] **Int.Cl. A61K 35/12 (2015.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01)**
[25] EN
[54] **GENETIC ENGINEERING OF MACROPHAGES FOR IMMUNOTHERAPY**
[54] **MODIFICATION GENETIQUE DE MACROPHAGES POUR L'IMMUNOTHERAPIE**
[72] CRANE, COURTNEY, US
[72] JENSEN, MICHAEL C., US
[72] WHITE MOYES, KARA, US
[72] LIEBERMAN, NICOLE, US
[71] SEATTLE CHILDREN'S HOSPITAL (DBA SEATTLE CHILDREN'S RESEARCH INSTITUTE), US
[85] 2018-03-07
[86] 2016-09-07 (PCT/US2016/050552)
[87] (WO2017/044487)
[30] US (62/216,224) 2015-09-09
[30] US (62/361,348) 2016-07-12

[21] **2,997,916**
[13] A1
[51] **Int.Cl. H04M 7/14 (2006.01) H04M 15/08 (2006.01) H04M 15/14 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ROUTING OF INBOUND TOLL-FREE COMMUNICATIONS**
[54] **PROCEDE ET SYSTEME DE ROUTAGE DE COMMUNICATIONS D'ARRIVEE GRATUITES**
[72] TSCHIRHART, DAVID A., US
[71] LEVEL 3 COMMUNCATIONS, LLC, US
[85] 2018-03-07
[86] 2016-07-20 (PCT/US2016/043162)
[87] (WO2017/044193)
[30] US (14/851,297) 2015-09-11

[21] **2,997,918**
[13] A1
[51] **Int.Cl. H01F 38/12 (2006.01) F02P 1/08 (2006.01) F02P 3/01 (2006.01) H01F 5/00 (2006.01)**
[25] EN
[54] **IGNITION COIL FOR PASSING ALTERNATING CURRENT TO A SPARK PLUG**
[54] **BOBINE D'ALLUMAGE DESTINEE A APPLIQUER UN COURANT ALTERNATIF A UNE BOUGIE D'ALLUMAGE**
[72] MARRS, THOMAS C., US
[71] MARSHALL ELECTRIC CORP., US
[85] 2018-03-07
[86] 2016-09-08 (PCT/US2016/050646)
[87] (WO2017/044544)
[30] US (14/851,267) 2015-09-11

[21] **2,997,920**
[13] A1
[51] **Int.Cl. E21B 17/10 (2006.01) E21B 17/16 (2006.01) E21B 19/24 (2006.01) E21B 23/00 (2006.01) E21B 23/01 (2006.01)**
[25] EN
[54] **DEPLOYABLE BOW SPRING CENTRALIZER**
[54] **CENTREUR A RESSORTS ARQUES DEPLOYABLES**
[72] ANDRIGO, GREGORY JAMES ALEXANDER, CA
[71] TOP-CO INC., US
[85] 2018-03-07
[86] 2016-09-08 (PCT/US2016/050670)
[87] (WO2017/044560)
[30] US (62/215,604) 2015-09-08
[30] US (15/258,671) 2016-09-07

[21] **2,997,923**
[13] A1
[51] **Int.Cl. A61K 31/4458 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **METHODS OF TREATING DEVELOPMENTAL DISORDERS USING PIPRADROL**
[54] **PROCEDES DE TRAITEMENT DE TROUBLES DU DEVELOPPEMENT A L'AIDE DE PIPRADROL**
[72] DURING, MATTHEW, US
[71] OVID THERAPEUTICS INC., US
[85] 2018-03-07
[86] 2016-09-08 (PCT/US2016/050702)
[87] (WO2017/044578)
[30] US (62/215,831) 2015-09-09
[30] US (14/876,110) 2015-10-06
[30] US (15/147,429) 2016-05-05

[21] **2,997,924**
[13] A1
[51] **Int.Cl. F03D 13/25 (2016.01) F03D 13/20 (2016.01) E02D 27/42 (2006.01)**
[25] EN
[54] **EQUIPMENT TOWER HAVING A CONCRETE PLINTH**
[54] **TOUR D'EQUIPEMENT AYANT UN SOUBASSEMENT EN BETON**
[72] CARBONELL, LUIS E., US
[72] LOCKWOOD, JAMES D., US
[72] CHASE, MATTHEW J., US
[71] SIEMENS GAMESA RENEWABLE ENERGY, INC., US
[71] WIND TOWER TECHNOLOGIES, LLC, US
[85] 2018-03-07
[86] 2016-08-03 (PCT/US2016/045223)
[87] (WO2017/039923)
[30] US (62/211,991) 2015-08-31
[30] US (62/211,998) 2015-08-31

[21] **2,997,925**
[13] A1
[51] **Int.Cl. A42B 3/00 (2006.01)**
[25] EN
[54] **ACCESSORY MOUNT**
[54] **FIXATION POUR ACCESSOIRE**
[72] PRUGUE, XIMENA, US
[71] BELL SPORTS, INC., US
[85] 2018-03-07
[86] 2016-09-09 (PCT/US2016/051145)
[87] (WO2017/044878)
[30] US (62/216,276) 2015-09-09
[30] US (15/261,206) 2016-09-09

[21] **2,997,928**
[13] A1
[51] **Int.Cl. F16K 15/06 (2006.01) F16K 1/12 (2006.01) F16K 15/02 (2006.01) F16K 17/00 (2006.01) F16K 17/02 (2006.01) F16K 17/04 (2006.01)**
[25] EN
[54] **SANITARY HIGH PRESSURE AERATOR VALVE ASSEMBLY**
[54] **ENSEMBLE SOUPAPE D'AERATION SANITAIRE HAUTE PRESSION**
[72] TIFFANY, HENRY D, US
[72] ROSE, PAUL S., US
[72] SMITH, DANIEL S., US
[72] HALL, AARON G., US
[71] CONTROL CONCEPTS, INC., US
[85] 2018-03-07
[86] 2016-09-09 (PCT/US2016/051147)
[87] (WO2017/044879)
[30] US (62/215,963) 2015-09-09

[21] **2,997,929**
[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) C12P 19/34 (2006.01)**
[25] EN
[54] **GENETIC COPY NUMBER DETERMINATION USING HIGH THROUGHPUT MULTIPLEX SEQUENCING OF SMASHED NUCLEOTIDES**
[54] **DETERMINATION DU NOMBRE DE COPIES GENETIQUES AU MOYEN D'UN SEQUENCAGE MULTIPLEX A HAUT DEBIT DE NUCLEOTIDES SMASH**
[72] WIGLER, MICHAEL H., US
[72] LEVY, DAN, US
[72] WANG, ZIHUA, US
[71] COLD SPRING HARBOR LABORATORY, US
[85] 2018-03-07
[86] 2016-09-08 (PCT/US2016/050750)
[87] (WO2017/044609)
[30] US (62/215,540) 2015-09-08
[30] US (62/250,405) 2015-11-03
[30] US (62/292,151) 2016-02-05

[21] **2,997,931**
[13] A1
[51] **Int.Cl. A61J 7/02 (2006.01) G06M 11/00 (2006.01) G06M 11/04 (2006.01)**
[25] EN
[54] **VISUAL COUNTING SYSTEM**
[54] **SYSTEME DE COMPTAGE VISUEL**
[72] THOMPSON, DEREK WILLIAM, GB
[72] BURNEY, BRIAN MARSHALL, US
[72] DEAKINS, BRYANT JAMES, US
[72] MARTIN, COREY SPENCER, US
[72] JONES, MICHAEL, US
[72] ISRAEL, STEVEN CRAIG, US
[71] RXMEDIC SYSTEMS, INC., US
[85] 2018-03-07
[86] 2016-08-29 (PCT/US2016/049241)
[87] (WO2017/053018)
[30] US (14/862,544) 2015-09-23

[21] **2,997,932**
[13] A1
[51] **Int.Cl. A61L 2/20 (2006.01) A21D 2/04 (2006.01) A23B 4/14 (2006.01) A23B 7/144 (2006.01) A23B 9/18 (2006.01)**
[25] EN
[54] **METHODS FOR REDUCING CONTAMINANTS IN AGRICULTURAL COMMODOTIES WITH HUMID OZONE**
[54] **PROCEDES POUR REDUIRE LES CONTAMINANTS DANS LES PRODUITS DE BASE AGRICOLES AVEC DE L'OZONE HUMIDE**
[72] DOANE, PERRY, US
[72] JOHNSON, AARON, US
[71] ARCHER-DANIELS-MIDLAND COMPANY, US
[85] 2018-03-07
[86] 2016-09-08 (PCT/US2016/050777)
[87] (WO2017/044624)
[30] US (62/215,461) 2015-09-08

[21] **2,997,935**
[13] A1
[51] **Int.Cl. C10G 35/085 (2006.01)**
[25] EN
[54] **SULFUR-TOLERANT CATALYTIC SYSTEM**
[54] **SYSTEME CATALYTIQUE TOLERANT LE SOUFRE**
[72] LAPADULA, GERARD D., US
[72] PHAM, TIEP M., US
[72] DURILLA, MICHAEL, US
[72] TRAN, PASCALINE HARRISON, US
[71] BASF CORPORTION, US
[85] 2018-03-06
[86] 2016-09-21 (PCT/US2016/052832)
[87] (WO2017/053393)
[30] US (62/221,797) 2015-09-22

[21] **2,997,936**
[13] A1
[51] **Int.Cl. A61B 17/128 (2006.01)**
[25] EN
[54] **ENDOSCOPIC SURGICAL CLIP APPLIER**
[54] **APPLICATEUR ENDOSCOPIQUE D'AGRAFES CHIRURGICALES**
[72] TAN, YUANDONG, CN
[72] XU, SHUNHONG, CN
[72] ZHAO, KUN, CN
[71] COVIDIEN LP, US
[85] 2018-03-07
[86] 2015-10-10 (PCT/CN2015/091603)
[87] (WO2017/059587)

[21] **2,997,937**
[13] A1
[51] **Int.Cl. H04W 4/02 (2018.01) B60R 1/04 (2006.01) B60R 1/06 (2006.01) H04M 3/56 (2006.01)**
[25] EN
[54] **VEHICLE CAMERA SYSTEM**
[54] **SYSTEME DE CAMERA DE VEHICULE**
[72] BOUDREAU, WILFRED CHARLES, US
[72] WILLIAMS, MICHAEL E., US
[72] HOSLER, BRIAN NEAL, US
[72] LEVELL, JONATHAN CHARLES, US
[71] COBRA ELECTRONICS CORPORATION, US
[85] 2018-03-07
[86] 2016-09-08 (PCT/US2016/050796)
[87] (WO2017/048581)
[30] US (14/853,818) 2015-09-14

[21] **2,997,938**
[13] A1
[51] **Int.Cl. G06Q 30/06 (2012.01)**
[25] EN
[54] **SCALABLE SYSTEMS AND METHODS FOR GENERATING AND SERVING RECOMMENDATIONS**
[54] **SYSTEMES EXTENSIBLES ET PROCEDES POUR GENERER ET FOURNIR DES RECOMMANDATIONS**
[72] KRISHNAN, BHARATH K., US
[72] TORRA, MICHAEL J., US
[71] DEMANDWARE INC., US
[85] 2018-03-07
[86] 2015-10-19 (PCT/US2015/056235)
[87] (WO2017/069731)

[21] **2,997,940**
[13] A1
[51] **Int.Cl. D21H 17/70 (2006.01) C01B 25/32 (2006.01) C01B 25/45 (2006.01) D21H 11/16 (2006.01) D21H 17/66 (2006.01)**
[25] EN
[54] **COMPLEXES OF CALCIUM PHOSPHATE MICROPARTICLES AND FIBERS AS WELL AS PROCESSES FOR PREPARING THEM**
[54] **COMPLEXE DE PARTICULES DE PHOSPHATE DE CALCIUM ET DE FIBRES, ET PROCEDE DE PRODUCTION DUDIT COMPLEXE**
[72] FUKUOKA, MOE, JP
[72] NAKATANI, TORU, JP
[72] GOTO, SHISEI, JP
[71] NIPPON PAPER INDUSTRIES CO., LTD., JP
[85] 2018-03-07
[86] 2016-09-08 (PCT/JP2016/076476)
[87] (WO2017/043585)
[30] JP (2015-176317) 2015-09-08

[21] **2,997,943**
[13] A1
[51] **Int.Cl. H04N 5/225 (2006.01) G03B 17/02 (2006.01) H01H 1/00 (2006.01)**
[25] EN
[54] **CAMERA SYSTEM FOR GAS-INSULATED SWITCHGEAR SYSTEMS**
[54] **SYSTEME DE CAMERA POUR APPAREILLAGES DE CONNEXION A ISOLATION GAZEUSE**
[72] HUMPFNER, JENS, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2018-03-07
[86] 2016-09-06 (PCT/EP2016/070942)
[87] (WO2017/055018)
[30] DE (10 2015 218 645.8) 2015-09-28

[21] **2,997,944**
[13] A1
[51] **Int.Cl. E21B 43/17 (2006.01) C09K 8/62 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **POLYMER HYDRATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'HYDRATATION DE POLYMERE**
[72] FISHER, CHAD A., US
[72] LUCAS, BRYAN CHAPMAN, US
[72] STEGEMOELLER, CALVIN L., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-03-07
[86] 2015-11-03 (PCT/US2015/058808)
[87] (WO2017/078685)

[21] **2,997,947**
[13] A1
[51] **Int.Cl. A61K 31/353 (2006.01) A61K 31/192 (2006.01) A61P 25/00 (2006.01) C07K 14/00 (2006.01) C12Q 1/60 (2006.01)**
[25] EN
[54] **REDUCTION OF ER-MAM-LOCALIZED APP-C99 AND METHODS OF TREATING ALZHEIMER'S DISEASE**
[54] **REDUCTION DU FRAGMENT C99 DE L'APP LOCALISE SUR LA MEMBRANE ER-MAM ET PROCEDES DE TRAITEMENT DE LA MALADIE D'ALZHEIMER**
[72] SCHON, ERIC A., US
[72] AREA-GOMEZ, ESTELA, US
[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US
[85] 2018-03-07
[86] 2016-09-09 (PCT/US2016/051046)
[87] (WO2017/044807)
[30] US (62/216,198) 2015-09-09

[21] **2,997,948**
[13] A1
[51] **Int.Cl. B05C 1/02 (2006.01) B05C 1/06 (2006.01) B05C 1/14 (2006.01)**
[25] EN
[54] **AUTOMATED PRIMER APPLICATION SYSTEM**
[54] **SYSTEME AUTOMATISE D'APPLICATION DE COUCHE D'APPRET**
[72] WEISSENBERGER, UWE, DE
[72] LUX, THOMAS, DE
[72] SCHNEIDER, GEORG, DE
[72] NALINCI, GUNAY, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2018-03-07
[86] 2016-09-29 (PCT/EP2016/073356)
[87] (WO2017/060162)
[30] EP (15188780.9) 2015-10-07

[21] **2,997,949**
[13] A1
[51] **Int.Cl. A61K 31/05 (2006.01) A61K 31/12 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING SKIN DISORDERS AND CONDITIONS UTILIZING HAPTENS**
[54] **PROCEDES DE TRAITEMENT DE TROUBLES ET D'AFFECTIONS CUTANES EN UTILISANT DES HAPTENES**
[72] CAUWENBERGH, GERARD, US
[72] JOHNSON, KEITH, US
[71] RXI PHARMACEUTICALS CORPORATION, US
[85] 2018-03-07
[86] 2016-09-09 (PCT/US2016/051057)
[87] (WO2017/044815)
[30] US (62/217,683) 2015-09-11
[30] US (62/262,871) 2015-12-03

[21] **2,997,950**
[13] A1
[51] **Int.Cl. C07D 307/83 (2006.01) C07B 61/00 (2006.01)**
[25] EN
[54] **PREPARATION OF 3-HYDROXY-3,6-DIMETHYLHEXAHYDROBENZOFURAN-2-ONE AND DERIVATIVES THEREOF**
[54] **PREPARATION DE 3-HYDROXY-3,6-DIMETHYLHEXAHYDROBENZOFURAN-2-ONE ET DE DERIVES DE CELLE-CI**
[72] FOLEY, PATRICK, US
[72] YANG, YONGHUA, US
[72] SALAM, TANIA, US
[71] P2 SCIENCE, INC., US
[85] 2018-03-07
[86] 2016-09-12 (PCT/US2016/051334)
[87] (WO2017/044957)
[30] US (62/217,094) 2015-09-11
[30] US (62/259,269) 2015-11-24

[21] **2,997,953**
[13] A1
[51] **Int.Cl. H02M 7/487 (2007.01) H02M 9/06 (2006.01)**
[25] EN
[54] **POWER CONTROL SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE COMMANDE D'ALIMENTATION**
[72] FALEY, BRIAN, US
[72] LEBOW, DAVID, US
[72] BHATT, PANKAJ H., US
[71] ALPHA TECHNOLOGIES INC., US
[85] 2018-03-07
[86] 2016-09-12 (PCT/US2016/051371)
[87] (WO2017/044970)
[30] US (62/217,958) 2015-09-13

[21] **2,997,954**
[13] A1
[51] **Int.Cl. G06F 21/00 (2013.01)**
[25] EN
[54] **DEVICE ENABLED IDENTITY AUTHENTICATION**
[54] **AUTHENTIFICATION D'IDENTITE PRISE EN CHARGE PAR UN DISPOSITIF**
[72] RUMBLE, TEREZINHA, US
[72] GRAMMER, GEORGE C., US
[71] TYCO INTEGRATED SECURITY, LLC, US
[85] 2018-03-07
[86] 2016-09-09 (PCT/US2016/050863)
[87] (WO2017/048591)
[30] US (62/218,015) 2015-09-14
[30] US (15/252,314) 2016-08-31

[21] **2,997,958**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 9/00 (2006.01) A61K 31/40 (2006.01) A61K 31/505 (2006.01) A61K 38/22 (2006.01) A61M 5/00 (2006.01) A61M 25/10 (2013.01)**
[25] EN
[54] **PCSK9 ANTIBODY PREPARATIONS FOR DELIVERY INTO A LUMEN OF THE INTESTINAL TRACT USING A SWALLOWABLE DRUG DELIVERY DEVICE**
[54] **PREPARATIONS D'ANTICORPS CONTRE PCSK9 A ADMINISTRER DANS UNE LUMIERE DU TRACTUS INTESTINAL AU MOYEN D'UN DISPOSITIF D'ADMINISTRATION DE MEDICAMENT A AVALER**
[72] IMRAN, MIR, US
[72] KORUPOLU, RADHIKA, US
[72] TO, ELAINE, US
[72] HARRIS, JOEL, US
[72] HASHIM, MIR, US
[71] INCUBE LABS, LLC, US
[85] 2018-03-07
[86] 2016-09-08 (PCT/US2016/050832)
[87] (WO2017/044665)
[30] US (62/215,586) 2015-09-08
[30] US (15/150,379) 2016-05-09

[21] **2,997,959**
[13] A1
[51] **Int.Cl. G01S 5/20 (2006.01)**
[25] EN
[54] **ULTRASONIC GAS LEAK LOCATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE LOCALISATION DE FUITE DE GAZ PAR ULTRASONS**
[72] HUSEYNOV, JAVID, US
[72] BALIGA, SHANKAR B., US
[71] GENERAL MONITORS, INC., US
[85] 2018-03-07
[86] 2016-09-15 (PCT/US2016/052000)
[87] (WO2017/058530)
[30] US (14/871,468) 2015-09-30

[21] **2,997,960**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **ANTI-TREM2 ANTIBODIES AND METHODS OF USE THEREOF**
[54] **ANTICORPS ANTI-TREM2 ET LEURS PROCEDES D'UTILISATION**
[72] SCHWABE, TINA, US
[72] AVOGADRI-CONNORS, FRANCESCA, US
[72] LAM, HELEN, US
[72] TASSI, ILARIA, US
[72] LEE, SEUNG-JOO, US
[72] ROSENTHAL, ARNON, US
[71] ALECTOR LLC, US
[85] 2018-03-07
[86] 2016-10-06 (PCT/US2016/055828)
[87] (WO2017/062672)
[30] US (62/238,044) 2015-10-06
[30] US (62/369,666) 2016-08-01

[21] **2,997,961**
[13] A1
[51] **Int.Cl. C02F 11/12 (2006.01) C02F 11/14 (2006.01) C02F 11/16 (2006.01) C02F 11/18 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR USING CHLORINE DIOXIDE TO ENHANCE DRYING**
[54] **SYSTEMES ET PROCEDES POUR L'UTILISATION DE DIOXYDE DE CHLORE POUR AMELIORER LE SECHAGE**
[72] MUSSARI, FREDERICK P., US
[72] NORRIS, MICHAEL PHILLIP, US
[71] BCR ENVIRONMENTAL CORPORATION, US
[85] 2018-03-07
[86] 2016-09-16 (PCT/US2016/052168)
[87] (WO2017/049108)
[30] US (62/219,913) 2015-09-17

[21] **2,997,962**
[13] A1
[51] **Int.Cl. A01K 97/00 (2006.01) A01K 97/04 (2006.01) A01K 97/06 (2006.01) B65D 85/00 (2006.01)**
[25] EN
[54] **FISHING LURE STORAGE CONTAINER**
[54] **RECIPIENT DE STOCKAGE DE LEURRE DE PECHE**
[72] STANLEY, DYLAN T., US
[71] PLAN D FISHING SOLUTIONS, LLC, US
[85] 2018-03-07
[86] 2016-09-20 (PCT/US2016/052704)
[87] (WO2017/058576)
[30] US (14/871,687) 2015-09-30

[21] **2,997,963**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **PD-1 BINDING PROTEINS AND METHODS OF USE THEREOF**
[54] **PROTEINES DE LIAISON A PD-1 ET LEURS METHODES D'UTILISATION**
[72] BENNETT, BRYDON, US
[72] CHAMBERLAIN, PHILIP PAUL, US
[72] HARIHARAN, KANDASAMY, US
[72] JACKSON, PILGRIM, US
[72] KEHRY, MARILYN, US
[72] KHATTRI, ROLI, US
[72] LEUNG, MONICA, US
[72] MORRISON, LISA, US
[72] SUN, JEONGHOON, US
[72] TORRES, SANAA, US
[72] CHAN, HENRY H., US
[71] CELGENE CORPORATION, US
[85] 2018-03-07
[86] 2016-09-28 (PCT/US2016/054089)
[87] (WO2017/058859)
[30] US (62/234,535) 2015-09-29

[21] **2,997,964**
[13] A1
[51] **Int.Cl. A01D 78/08 (2006.01) A01D 80/00 (2006.01)**
[25] EN
[54] **RAKE WHEELS FOR GATHERING CROP MATERIAL**
[54] **ROUES D'ANDAINAGE POUR RAMASSAGE DE MATERIAU DE RECOLTE**
[72] HARTWICK, TY, US
[72] WANG, XIAOHANG, US
[72] DUNHAM, LISLE J., US
[71] VERMEER MANUFACTURING COMPANY, US
[85] 2018-03-07
[86] 2016-09-30 (PCT/US2016/054606)
[87] (WO2017/059170)
[30] US (62/236,601) 2015-10-02
[30] US (15/279,128) 2016-09-28

[21] **2,997,965**
[13] A1
[51] **Int.Cl. A61B 34/20 (2016.01) G06T 19/20 (2011.01)**
[25] EN
[54] **AUGMENTED REALITY SURGICAL NAVIGATION**
[54] **NAVIGATION CHIRURGICALE A REALITE AUGMENTEE**
[72] TAKO, YAHAV, US
[72] GERI, ALON YAKOB, US
[72] AVISAR, MORDECHAI, US
[72] TEICHMAN, ELIAHU, IL
[71] SURGICAL THEATER LLC, US
[85] 2018-03-07
[86] 2016-10-13 (PCT/US2016/056727)
[87] (WO2017/066373)
[30] US (62/241,447) 2015-10-14

[21] **2,997,966**
[13] A1
[51] **Int.Cl. A62C 13/66 (2006.01)**
[25] EN
[54] **COMPRESSED AIR FOAM FLUID MIXING DEVICE**
[54] **DISPOSITIF DE MELANGE DE FLUIDE POUR MOUSSE A AIR COMPRIME**
[72] HAIDER, MARK FRANCIS, US
[72] GESKE, GREGG ALLEN, US
[71] WATEROUS COMPANY, US
[85] 2018-03-07
[86] 2016-10-24 (PCT/US2016/058386)
[87] (WO2017/078951)
[30] US (62/250,204) 2015-11-03
[30] US (15/296,359) 2016-10-18

[21] **2,997,967**
[13] A1
[51] **Int.Cl. B67D 7/20 (2010.01) B67D 7/34 (2010.01) B67D 7/44 (2010.01) G01F 3/10 (2006.01) G01F 25/00 (2006.01) G07F 13/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MEASURED LIQUID DISPENSING**
[54] **PROCEDE ET APPAREIL DE DISTRIBUTION MESUREE DE LIQUIDE**
[72] NERON, PIERRE, CA
[71] CRISTAL INNOVATION INC., CA
[85] 2018-03-08
[86] 2016-09-08 (PCT/CA2016/051055)
[87] (WO2017/041170)
[30] US (62/215,336) 2015-09-08

[21] **2,998,029**
[13] A1
[51] **Int.Cl. G02B 27/01 (2006.01)**
[25] EN
[54] **MICROLENS COLLIMATOR FOR SCANNING OPTICAL FIBER IN VIRTUAL/AUGMENTED REALITY SYSTEM**
[54] **COLLIMATEUR DE MICROLENTILLE POUR FIBRE OPTIQUE DE BALAYAGE DANS UN SYSTEME DE REALITE VIRTUELLE/AUGMENTEE**
[72] SCHOWENGERDT, BRIAN T., US
[72] EDWIN, LIONEL ERNEST, US
[72] YEOH, IVAN L., US
[72] SCHUELKE, AARON MARK, US
[72] WELCH, WILLIAM HUDSON, US
[72] MACNAMARA, JOHN GRAHAM, US
[71] MAGIC LEAP, INC., US
[85] 2018-03-07
[86] 2016-10-05 (PCT/US2016/055539)
[87] (WO2017/062483)
[30] US (62/237,189) 2015-10-05

[21] **2,998,030**
[13] A1
[51] **Int.Cl. G02B 5/18 (2006.01) G02B 6/10 (2006.01)**
[25] EN
[54] **VIRTUAL/AUGMENTED REALITY SYSTEM HAVING REVERSE ANGLE DIFFRACTION GRATING**
[54] **SYSTEME DE REALITE AUGMENTEE/VIRTUELLE AYANT UN RESEAU DE DIFFRACTION A ANGLE INVERSE**
[72] YEOH, IVAN L., US
[72] CHENG, HUI-CHUAN, US
[72] EDWIN, LIONEL ERNEST, US
[72] TINCH, DAVID, US
[72] WELCH, WILLIAM HUDSON, US
[71] MAGIC LEAP, INC., US
[85] 2018-03-07
[86] 2016-10-06 (PCT/US2016/055823)
[87] (WO2017/062667)
[30] US (62/238,052) 2015-10-06

[21] **2,998,031**
[13] A1
[51] **Int.Cl. G01N 33/52 (2006.01) A61B 5/117 (2016.01) G01N 21/64 (2006.01) G01N 33/84 (2006.01)**
[25] EN
[54] **METHODS FOR LABELING URINE IN A SUBJECT WITH FLUOROPHORES**
[54] **PROCEDES DE MARQUAGE DE L'URINE CHEZ UN SUJET A L'AIDE DE FLUOROPHORES**
[72] DUBE, MARK, CA
[71] DUBE, MARK, CA
[85] 2018-03-08
[86] 2016-09-21 (PCT/CA2016/051100)
[87] (WO2017/049391)
[30] US (62/221,413) 2015-09-21

[21] **2,998,032**
[13] A1
[51] **Int.Cl. H02S 10/30 (2014.01) H01L 31/0525 (2014.01)**
[25] EN
[54] **INTEGRATED SOLAR ENERGY UTILIZATION APPARATUS AND SYSTEM**
[54] **APPAREIL ET SYSTEME D'UTILISATION D'ENERGIE SOLAIRE INTEGREE**
[72] HU, XIAOPING, CN
[71] BOLY MEDIA COMMUNICATIONS (SHENZHEN) CO., LTD., CN
[85] 2018-03-08
[86] 2016-09-08 (PCT/CN2016/098386)
[87] (WO2017/041721)
[30] CN (201510576621.9) 2015-09-11

[21] **2,998,034**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 19/06 (2006.01)**
[25] EN
[54] **A GROUP OF COMPOUNDS USED FOR THE TREATMENT OR PREVENTION OF HYPERURICEMIA OR GOUT**
[54] **COMPOSE POUR TRAITER OU PREVENIR L'HYPERURICEMIE OU LA GOUTTE**
[72] SHI, DONGFANG, CN
[72] FU, CHANGJIN, CN
[72] CHENG, XI, CN
[72] ZHU, JIANGHUA, CN
[72] WEN, JIE, CN
[72] GU, JIE, CN
[71] JIANGSU ATOM BIOSCIENCE AND PHARMACEUTICAL CO., LTD., CN
[85] 2018-03-08
[86] 2016-09-08 (PCT/CN2016/098468)
[87] (WO2017/041732)
[30] CN (201510576110.7) 2015-09-10

[21] **2,998,046**
[13] A1
[51] **Int.Cl. H02K 21/24 (2006.01) B62D 5/04 (2006.01) H02K 1/27 (2006.01) H02K 16/00 (2006.01)**
[25] FR
[54] **POWER-ASSISTED STEERING OF A MOTOR VEHICLE WITH AN ELECTROMAGNETIC MOTOR WITH AXIAL MAGNETIC FLUX AND AN ELECTRICAL POWER SUPPLY OF THE STATORS OF THE MOTOR IN PARALLEL TO REDUNDANCY**
[54] **DIRECTION ASSISTEE DE VEHICULE AUTOMOBILE AVEC UN MOTEUR ELECTROMAGNETIQUE A FLUX MAGNETIQUE AXIAL ET UNE ALIMENTATION ELECTRIQUE DES STATORS DU MOTEUR SE FAISANT EN PARALLELE A REDONDANCE**
[72] SAVIN, SERGHEI, FR
[72] TIEGNA, HUGUETTE, FR
[72] MIHAILA, VASILE, FR
[72] RAVAUD, ROMAIN, FR
[71] WHYLOT SAS, FR
[85] 2018-03-08
[86] 2016-10-12 (PCT/FR2016/000161)
[87] (WO2017/064375)
[30] FR (FR1502151) 2015-10-12
[30] FR (FR1502336) 2015-11-05

[21] **2,998,052**
[13] A1
[51] **Int.Cl. F25D 3/08 (2006.01) A01N 1/02 (2006.01) A61J 3/00 (2006.01)**
[25] EN
[54] **THERMO-PROTECTION-STORAGE-CELL FOR COLD TRANSPORT-BOX**
[54] **CELLULE DE STOCKAGE A PROTECTION THERMIQUE D'UNE BOITE DE TRANSPORT FRIGORIFIQUE**
[72] BUTTIKER, JEAN-PIERRE, CH
[71] SWISSMEDPACK TECHNOLOGIEN JP. BUETTIKER GMBH, CH
[85] 2018-03-08
[86] 2016-09-27 (PCT/EP2016/072995)
[87] (WO2017/055280)
[30] EP (15187043.3) 2015-09-28

[21] **2,998,055**
[13] A1
[51] **Int.Cl. C10G 1/08 (2006.01) C07C 1/20 (2006.01) C07C 4/00 (2006.01) C07C 9/04 (2006.01)**
[25] EN
[54] **CONVERSION OF BIOMASS INTO METHANE**
[54] **CONVERSION DE BIOMASSE EN METHANE**
[72] MEHTA, DHAIRYA DILIP, IN
[72] URADE, VIKRANT NANASAHEB, IN
[72] CHILKOOR SOUNDARARAJAN, LAXMI NARASIMHAN, IN
[72] PANCHAGNULA, MADHUSUDHAN RAO, IN
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2018-03-08
[86] 2016-09-23 (PCT/EP2016/072763)
[87] (WO2017/051008)
[30] IN (5136/CHE/2015) 2015-09-25

[21] **2,998,059**
[13] A1
[51] **Int.Cl. C12N 9/82 (2006.01) A23L 5/20 (2016.01)**
[25] EN
[54] **ASPARAGINASE**
[54] **ASPARAGINASE**
[72] VAN DER LAAN, JAN METSKE, NL
[72] OOI, SIEW-LOON, NL
[72] TEUNISSEN, ALOYSIUS WILHELMUS RUDOLPHUS HUBERTUS, NL
[72] WILBRINK, MAARTEN HOTSE, NL
[71] DSM IP ASSETS B.V., NL
[85] 2018-03-08
[86] 2016-09-16 (PCT/EP2016/071971)
[87] (WO2017/050653)
[30] EP (15186978.1) 2015-09-25

[21] **2,998,069**
[13] A1
[51] **Int.Cl. A01H 5/02 (2018.01) A01G 9/00 (2018.01)**
[25] EN
[54] **METHODS FOR PROVIDING GRAFTED CALIBRACHOA AND PRODUCTS THEREOF**
[54] **PROCEDES DE FOURNITURE DE CALIBRACHOA GREFFE ET PRODUITS DE CELUI-CI**
[72] DAGAN, AMIT, IL
[72] SHADMI, MENACHEM, IL
[72] PERRI, ALON, IL
[71] HISHTIL LTD, IL
[85] 2018-03-08
[86] 2015-09-09 (PCT/IL2015/050922)
[87] (WO2016/038613)
[30] US (62/048,814) 2014-09-11

[21] **2,998,074**
[13] A1
[51] **Int.Cl. A61K 38/05 (2006.01) G06F 19/16 (2011.01) A61K 9/16 (2006.01) A61K 38/07 (2006.01) A61K 38/08 (2006.01) A61K 38/10 (2006.01) A61K 38/12 (2006.01) A61K 38/18 (2006.01) A61L 27/12 (2006.01) A61L 27/34 (2006.01) A61L 27/54 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL ASSOCIATION FOR CONVERTING A NEOPLASTIC CELL INTO A NON-NEOPLASTIC CELL AND USES THEREOF**
[54] **ASSOCIATION PHARMACEUTIQUE POUR CONVERTIR UNE CELLULE NEOPLASIQUE EN CELLULE NON-NEOPLASIQUE ET SES UTILISATIONS**
[72] ZOUANI, OMAR F., CH
[72] GOCHEVA, VERONIKA, CH
[71] HISTIDE AG, CH
[85] 2018-03-08
[86] 2016-09-15 (PCT/EP2016/071785)
[87] (WO2017/046219)
[30] US (62/219,716) 2015-09-17

[21] **2,998,075**
[13] A1
[51] **Int.Cl. H01M 4/86 (2006.01) H01M 4/88 (2006.01) H01M 8/02 (2016.01) H01M 8/10 (2016.01)**
[25] EN
[54] **FUEL CELL ELECTRODE CATALYST LAYER AND MANUFACTURING METHOD THEREFOR, AND MEMBRANE ELECTRODE ASSEMBLY, FUEL CELL, AND VEHICLE USING CATALYST LAYER**
[54] **COUCHE DE CATALYSEUR D'ELECTRODE POUR PILE A COMBUSTIBLE, SON PROCEDE DE FABRICATION, ASSEMBLAGE ELECTRODE-MEMBRANE UTILISANT LADITE COUCHE DE CATALYSEUR, PILE A COMBUSTIBLE, ET VEHICULE**
[72] TAKAHASHI, SHINICHI, JP
[72] MASHIO, TETSUYA, JP
[72] HORAI, ATSUSHI, JP
[72] OHMA, ATSUSHI, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-03-08
[86] 2015-09-09 (PCT/JP2015/075644)
[87] (WO2017/042919)

[21] **2,998,078**
[13] A1
[51] **Int.Cl. B29C 67/00 (2017.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PHOTO-CURING WITH SELF-LUBRICATING SUBSTRATUM FOR THE FORMATION OF THREE-DIMENSIONAL OBJECTS**
[54] **PROCEDE ET APPAREIL POUR LE PHOTODURCISSEMENT AVEC UN SUBSTRAT AUTOLUBRIFIANT POUR LA FORMATION D'OBJETS TRIDIMENSIONNELS**
[72] TRINGALY, LUCIANO, IT
[72] DENARO, ANDREA, IT
[72] ZITELLI, GIANNI, IT
[71] NEXA3D INC., US
[85] 2018-03-08
[86] 2016-10-03 (PCT/IT2016/000225)
[87] (WO2017/056124)
[30] IT (102015000057527) 2015-10-02

[21] **2,998,079**
[13] A1
[51] **Int.Cl. H04N 21/2385 (2011.01) H04N 21/438 (2011.01) H04J 11/00 (2006.01)**
[25] EN
[54] **TRANSMISSION DEVICE, RECEIVING DEVICE, AND DATA PROCESSING METHOD**
[54] **DISPOSITIF D'EMISSION, DISPOSITIF DE RECEPTION ET PROCEDE DE TRAITEMENT DE DONNEES**
[72] TAKAHASHI, KAZUYUKI, JP
[72] MICHAEL, LACHLAN BRUCE, JP
[71] SONY CORPORATION, JP
[85] 2018-03-08
[86] 2016-09-05 (PCT/JP2016/075938)
[87] (WO2017/047424)
[30] JP (2015-184540) 2015-09-17

[21] **2,998,080**
[13] A1
[51] **Int.Cl. H04N 21/262 (2011.01) H04N 21/2668 (2011.01) H04N 21/433 (2011.01) H04N 21/475 (2011.01) G06F 13/00 (2006.01)**
[25] EN
[54] **TRANSMISSION APPARATUS, RECEPTION APPARATUS, AND DATA PROCESSING METHOD**
[54] **DISPOSITIF DE TRANSMISSION, DISPOSITIF DE RECEPTION ET PROCEDE DE TRAITEMENT DE DONNEES**
[72] IGARASHI, TATSUYA, JP
[72] YAMAGISHI, YASUAKI, JP
[71] SONY CORPORATION, JP
[85] 2018-03-08
[86] 2016-09-05 (PCT/JP2016/076051)
[87] (WO2017/047433)
[30] JP (2015-186008) 2015-09-18

[21] **2,998,082**
[13] A1
[51] **Int.Cl. G05D 1/00 (2006.01)**
[25] EN
[54] **METHOD OF OPERATION YIELDING EXTENDED RANGE FOR SINGLE PILOT AIRCRAFT AND SYSTEMS USEFUL IN CONJUNCTION THEREWITH**
[54] **PROCEDE DE FONCTIONNEMENT GENERANT DE GRANDES DISTANCES POUR AVION A PILOTE UNIQUE ET SYSTEMES UTILES CONJOINTEMENT AVEC CELUI-CI**
[72] SHAVIT, DAVID, IL
[71] ISRAEL AEROSPACE INDUSTRIES LTD., IL
[85] 2018-03-08
[86] 2016-10-05 (PCT/IL2016/051075)
[87] (WO2017/068570)
[30] IL (242167) 2015-10-20

[21] **2,998,087**
[13] A1
[51] **Int.Cl. C12N 15/09 (2006.01) C07K 14/245 (2006.01) C07K 19/00 (2006.01) C12N 9/78 (2006.01)**
[25] EN
[54] **METHOD FOR MODIFYING GENOME SEQUENCE THAT SPECIFICALLY CONVERTS NUCLEOBASE OF TARGETED DNA SEQUENCE, AND MOLECULAR COMPLEX USED IN SAID METHOD**
[54] **PROCEDE DE MODIFICATION DE SEQUENCE GENOMIQUE CONVERTISSANT SPECIFIQUEMENT UNE BASE NUCLEIQUE D'UNE SEQUENCE D'ADN CIBLEE, ET COMPLEXE MOLECULAIRE UTILISE DANS LEDIT PROCEDE**
[72] NISHIDA, KEIJI, JP
[72] KOJIMA, SATOMI, JP
[72] KONDO, AKIHIKO, JP
[71] NATIONAL UNIVERSITY CORPORATION KOBE UNIVERSITY, JP
[85] 2018-03-08
[86] 2016-09-08 (PCT/JP2016/076448)
[87] (WO2017/043573)
[30] JP (2015-178023) 2015-09-09

[21] **2,998,090**
[13] A1
[51] **Int.Cl. B60R 1/00 (2006.01) E02F 3/76 (2006.01) G09G 5/00 (2006.01) G09G 5/14 (2006.01) H04N 7/18 (2006.01)**
[25] EN
[54] **DISPLAY SYSTEM AND WORK VEHICLE**
[54] **SYSTEME D'AFFICHAGE ET VEHICULE DE TRAVAIL**
[72] TSUKAMOTO, TAKASHI, JP
[72] FUJITA, ETSUO, JP
[72] NISHIMINE, SUEYOSHI, JP
[72] IKEDA, MASAHIRO, JP
[72] OKUDA, KOJI, JP
[71] KOMATSU LTD., JP
[85] 2018-03-08
[86] 2016-10-06 (PCT/JP2016/079833)
[87] (WO2017/068992)
[30] JP (2015-208910) 2015-10-23

[21] **2,998,091**
[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/0735 (2010.01) C12N 5/074 (2010.01) C12N 5/0793 (2010.01) A61K 35/30 (2015.01) C12N 5/10 (2006.01) C12Q 1/02 (2006.01) A61K 35/545 (2015.01)**
[25] EN
[54] **METHOD FOR PRODUCING RETINAL TISSUE**
[54] **PROCEDE DE PRODUCTION D'UN TISSU RETINIEN**
[72] ANDO, SATOSHI, JP
[72] KURODA, TAKAO, JP
[72] SASAI, YOSHIKI (DESEASED), JP
[71] SUMITOMO DAINIPPON PHARMA CO., LTD., JP
[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
[71] RIKEN, JP
[85] 2018-03-08
[86] 2016-09-08 (PCT/JP2016/076523)
[87] (WO2017/043604)
[30] JP (2015-176897) 2015-09-08

[21] **2,998,093**
[13] A1
[51] **Int.Cl. A61F 5/56 (2006.01)**
[25] EN
[54] **ORTHODONTIC ELASTIC HARMONIZER DEVICE FOR DENTAL-SKULL-FACIAL APPARATUS**
[54] **DISPOSITIF D'HARMONISATION ELASTIQUE ORTHODONTIQUE POUR APPAREIL DENTO-CRANIO-FACIAL**
[72] MAGISTRO, FRANCESCO, IT
[71] MAGISTRO, FRANCESCO, IT
[85] 2018-03-08
[86] 2016-09-28 (PCT/IB2016/055791)
[87] (WO2017/056010)
[30] IT (102015000057082) 2015-09-30

[21] **2,998,094**
[13] A1
[51] **Int.Cl. C08J 9/18 (2006.01) B29C 44/00 (2006.01) C08K 3/04 (2006.01) C08L 25/06 (2006.01)**
[25] EN
[54] **EXPANDABLE STYRENE RESIN PARTICLES, PRE-EXPANDED PARTICLES OF STYRENE RESIN, STYRENE RESIN FOAM MOLDED BODY, AND METHOD FOR PRODUCING EXPANDABLE RESIN PARTICLES**
[54] **PARTICULES DE RESINE DE STYRENE EXPANSIBLES, PARTICULES PRE-EXPANSEES DE RESINE DE STYRENE, CORPS MOULE EN MOUSSE DE RESINE DE STYRENE, ET PROCEDE DE PRODUCTION DE PARTICULES DE RESINE EXPANSIBLES**
[72] KUTSUMIZU, RYUTA, JP
[72] MARUHASHI, SHOTARO, JP
[72] NAKAYAMA, RYOJI, JP
[72] YANO, YOSHIHITO, JP
[72] SUZUKI, KIRITO, JP
[71] KANEKA CORPORATION, JP
[85] 2018-03-08
[86] 2016-09-09 (PCT/JP2016/076575)
[87] (WO2017/043618)
[30] JP (2015-177779) 2015-09-09
[30] JP (2015-177870) 2015-09-09
[30] JP (2015-177871) 2015-09-09

[21] **2,998,095**
[13] A1
[51] **Int.Cl. F17D 5/06 (2006.01)**
[25] FR
[54] **MODULAR CART FOR RECORDING MAGNETIC TERRAIN DATA, NOTABLY FOR THE NON-INVASIVE INSPECTION OF PIPELINES OR THE LIKE**
[54] **CHARIOT MODULAIRE POUR L'ENREGISTREMENT DE DONNEES MAGNETIQUE DE TERRAIN NOTAMMENT POUR LE CONTROLE NON INVASIF DE PIPELINES OU SIMILAIRES**
[72] FINAS, MATHIEU, FR
[71] SKIPPER NDT, IE
[85] 2018-03-08
[86] 2016-10-06 (PCT/IB2016/055987)
[87] (WO2017/060846)
[30] FR (15/59634) 2015-10-09

[21] **2,998,097**
[13] A1
[51] **Int.Cl. C09D 5/00 (2006.01) C08K 3/04 (2006.01) C08K 3/16 (2006.01) C08K 3/32 (2006.01) C08K 3/36 (2006.01) C08K 5/11 (2006.01) C08L 23/02 (2006.01) C08L 23/08 (2006.01) C08L 27/18 (2006.01) C08L 71/00 (2006.01) C08L 91/06 (2006.01) C08L 101/00 (2006.01) C09D 5/08 (2006.01) C10M 161/00 (2006.01) C10M 163/00 (2006.01) C23C 26/00 (2006.01) F16L 15/04 (2006.01) C10M 125/02 (2006.01) C10M 125/24 (2006.01) C10M 125/26 (2006.01) C10M 143/00 (2006.01) C10M 145/08 (2006.01) C10M 147/02 (2006.01) C10M 147/04 (2006.01) C10M 159/06 (2006.01)**
[25] EN
[54] **COMPOSITION, THREADED JOINT FOR PIPES INCLUDING SOLID LUBRICANT COATING FORMED FROM THE COMPOSITION, AND METHOD FOR PRODUCING THE THREADED JOINT FOR PIPES**
[54] **COMPOSITION, RACCORD FILETE DE TUYAU PRESENTANT UN REVETEMENT LUBRIFIANT SOLIDE FORME A PARTIR DE LA COMPOSITION, ET PROCEDE DE FABRICATION D'UN RACCORD FILETE DE TUYAU**
[72] GOTO, KUNIO, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[71] VALLOUREC OIL AND GAS FRANCE, FR
[85] 2018-03-08
[86] 2016-09-15 (PCT/JP2016/077341)
[87] (WO2017/047722)
[30] JP (2015-185025) 2015-09-18

[21] **2,998,099**
[13] A1
[51] **Int.Cl. B65G 69/34 (2006.01) B65G 69/24 (2006.01) B65G 69/28 (2006.01)**
[25] EN
[54] **T-BOLT FOR DOCK LIP**
[54] **BOULON EN T POUR LEVRE DE QUAI**
[72] YULE, ROBERT CAMPBELL, CA
[72] CRUZ, PAULO JORGE DA SILVA, CA
[72] MCEACHERN, WILLIAM, CA
[71] BLUE GIANT EQUIPMENT CORPORATION, CA
[85] 2018-03-08
[86] 2016-10-12 (PCT/IB2016/056103)
[87] (WO2017/042772)
[30] US (62/217,062) 2015-09-11
[30] US (62/217,263) 2015-09-11
[30] US (15/260,922) 2016-09-09

[21] **2,998,100**
[13] A1
[51] **Int.Cl. E02F 9/26 (2006.01) B60R 1/00 (2006.01) B60R 11/02 (2006.01) E02F 5/32 (2006.01)**
[25] EN
[54] **DISPLAY SYSTEM**
[54] **SYSTEME D'AFFICHAGE**
[72] TSUKAMOTO, TAKASHI, JP
[72] FUJITA, ETSUO, JP
[72] NISHIMINE, SUEYOSHI, JP
[72] IKEDA, MASAHIRO, JP
[71] KOMATSU LTD., JP
[85] 2018-03-08
[86] 2016-10-06 (PCT/JP2016/079834)
[87] (WO2017/068993)
[30] JP (2015-208911) 2015-10-23

[21] **2,998,101**
[13] A1
[51] **Int.Cl. G05D 3/12 (2006.01)**
[25] EN
[54] **GRID TIED, REAL TIME ADAPTIVE, DISTRIBUTED INTERMITTENT POWER**
[54] **ENERGIE INTERMITTENTE, DISTRIBUEE, ADAPTATIVE EN TEMPS REEL ET RELIEE AU RESEAU**
[72] DEBONE, CHRISTOPHER ROBERT, US
[72] GODMERE, STEVEN PETER, US
[71] DEBONE, CHRISTOPHER ROBERT, US
[71] GODMERE, STEVEN PETER, US
[85] 2018-03-08
[86] 2015-07-10 (PCT/US2015/040058)
[87] (WO2016/039844)
[30] US (62/047,590) 2014-09-08
[30] US (62/130,589) 2015-03-09

[21] **2,998,102**
[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC SUBSTANCE DELIVERY DEVICE AND THERAPEUTIC SUBSTANCE DELIVERY KIT**
[54] **DISPOSITIF D'ADMINISTRATION DE SUBSTANCE THERAPEUTIQUE ET KIT D'ADMINISTRATION DE SUBSTANCE THERAPEUTIQUE**
[72] MAEDA, MASANORI, JP
[72] KANAI, NOBUO, JP
[72] FUJII, YUSUKE, JP
[72] YAMATO, MASAYUKI, JP
[72] ABE, MAKOTO, JP
[71] TOKYO WOMEN'S MEDICAL UNIVERSITY, JP
[85] 2018-03-08
[86] 2016-09-08 (PCT/JP2016/076511)
[87] (WO2017/043600)
[30] JP (2015-177993) 2015-09-09

[21] **2,998,104**
[13] A1
[51] **Int.Cl. H02J 3/18 (2006.01)**
[25] EN
[54] **GRID TIED, REAL TIME ADAPTIVE, DISTRIBUTED INTERMITTENT POWER**
[54] **ENERGIE ELECTRIQUE INTERMITTENTE DISTRIBUEE, ADAPTATIVE EN TEMPS REEL, LIEE A UN RESEAU**
[72] DEBONE, CHRISTOPHER ROBERT, US
[72] GODMERE, STEVEN PETER, US
[71] DEBONE, CHRISTOPHER ROBERT, US
[71] GODMERE, STEVEN PETER, US
[85] 2018-03-08
[86] 2015-09-04 (PCT/US2015/048734)
[87] (WO2016/040196)
[30] US (62/047,590) 2014-09-08
[30] US (62/130,589) 2015-03-09
[30] US (14/796,987) 2015-07-10
[30] US (PCT/US2015/040058) 2015-07-10

[21] **2,998,106**
[13] A1
[51] **Int.Cl. B62D 55/32 (2006.01) B60F 3/00 (2006.01) B62D 55/10 (2006.01)**
[25] EN
[54] **VEHICLE FRAME FOR A TRACKED VEHICLE**
[54] **CHASSIS DE VEHICULE POUR VEHICULE A CHENILLES**
[72] HELLHOLM, BJORN, SE
[72] SODERBERG, PAR, SE
[71] BAE SYSTEMS HAGGLUNDS AKTIEBOLAG, SE
[85] 2018-03-08
[86] 2016-06-22 (PCT/SE2016/050608)
[87] (WO2017/044027)
[30] SE (1551154-6) 2015-09-09

[21] **2,998,107**
[13] A1
[51] **Int.Cl. A61K 35/19 (2015.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PRODUCING BLOOD PLATELETS**
[54] **SYSTEME ET PROCEDE POUR LA PRODUCTION DE PLAQUETTES SANGUINES**
[72] THON, JONATHAN N., US
[71] BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[85] 2018-03-08
[86] 2016-01-19 (PCT/US2016/013855)
[87] (WO2017/044149)
[30] US (62/215,369) 2015-09-08

[21] **2,998,108**
[13] A1
[51] **Int.Cl. E21B 23/00 (2006.01) E21B 17/00 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **DOWNHOLE VALVE ASSEMBLY AND METHOD OF USING SAME**
[54] **ENSEMBLE VANNE DE FOND DE TROU ET SON PROCEDE D'UTILISATION**
[72] PAWAR, BHARAT B., US
[72] JONES, DESMOND W., US
[72] HOWARD, ROBERT GORDON, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-03-08
[86] 2015-10-14 (PCT/US2015/055425)
[87] (WO2017/065752)

[21] **2,998,111**
[13] A1
[51] **Int.Cl. G01C 21/34 (2006.01)**
[25] EN
[54] **OPEN TERRAIN NAVIGATION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE NAVIGATION SUR TERRAINS DECOUVERTS**
[72] ZAPHIR, DAVID, IL
[72] ARIAV, IDO, IL
[72] GOLDMAN, BENNY, IL
[71] ELBIT SYSTEMS LAND AND C4I LTD., IL
[85] 2018-03-08
[86] 2016-09-11 (PCT/IL2016/051008)
[87] (WO2017/042821)
[30] IL (241403) 2015-09-09

[21] **2,998,112**
[13] A1
[51] **Int.Cl. C12N 15/115 (2010.01) C12Q 1/68 (2018.01) G01N 33/53 (2006.01)**
[25] EN
[54] **HIGH-THROUGHPUT SPLIT APTAMER SCREENING ASSAY**
[54] **DOSAGE DE CRIBLAGE A HAUT RENDEMENT PAR APTAMERES FENDUS**
[72] KUMAR, MEERA, US
[72] LOWERY, ROBERT G., US
[71] BELLBROOK LABS, US
[85] 2018-03-08
[86] 2016-09-07 (PCT/US2016/050564)
[87] (WO2017/044494)
[30] US (62/215,555) 2015-09-08

[21] **2,998,115**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) A61K 38/17 (2006.01) A61K 39/395 (2006.01) C07K 16/00 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **SYNTHETIC ANTIBODIES TO BAX AND USES THEREOF**
[54] **ANTICORPS SYNTHETIQUES CONTRE BAX ET LEURS UTILISATIONS**
[72] GAVATHIOTIS, EVRIPIDIS, US
[72] LAI, JONATHAN, R., US
[72] SIDHU, SACHDEV, CA
[71] ALBERT EINSTEIN COLLEGE OF MEDICINE, INC., US
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2018-03-08
[86] 2016-08-25 (PCT/US2016/048508)
[87] (WO2017/044308)
[30] US (62/216,400) 2015-09-10

[21] **2,998,116**
[13] A1
[51] **Int.Cl. B64D 1/02 (2006.01) B64D 1/08 (2006.01) B65D 25/26 (2006.01) B65D 25/34 (2006.01) B65D 35/20 (2006.01) B65D 81/02 (2006.01)**
[25] EN
[54] **CONTAINER FOR AERIAL DELIVERY**
[54] **RECEPTACLE POUR LA LIVRAISON PAR LA VOIE DES AIRS**
[72] POTTER, ANDREW E., US
[72] POTTER, JEFFREY J., US
[72] POTTER, TERRY C., US
[72] MCNEIL, IAIN A., US
[72] KUJAWA, ANTHONY J., US
[71] THE SKYLIFE COMPANY, INC., US
[85] 2018-03-08
[86] 2016-07-27 (PCT/US2016/044183)
[87] (WO2017/019731)
[30] US (62/197,876) 2015-07-28

[21] **2,998,125**
[13] A1
[51] **Int.Cl. E05B 65/52 (2006.01) E05C 1/08 (2006.01) E05C 3/24 (2006.01) E05C 3/30 (2006.01) F21S 8/02 (2006.01) F21V 21/02 (2006.01)**
[25] EN
[54] **EXTERNALLY ACTUATED JOINER ASSEMBLY FOR CONNECTING ADJACENT STRUCTURES**
[54] **ENSEMBLE DE JONCTION ACTIONNE DE L'EXTERIEUR DESTINE A RACCORDER DES STRUCTURES ADJACENTES**
[72] BAKER, DEREK BRUCE, US
[72] DRANCHAK, DAVID WILLIAM, US
[71] HUBBELL INCORPORATED, US
[85] 2018-03-08
[86] 2016-09-07 (PCT/US2016/050489)
[87] (WO2017/044449)
[30] US (62/216,106) 2015-09-09

[21] **2,998,129**
[13] A1
[51] **Int.Cl. H04N 21/458 (2011.01) H04H 60/27 (2009.01) H04H 60/72 (2009.01) G06F 13/00 (2006.01)**
[25] EN
[54] **TRANSMISSION APPARATUS, RECEPTION APPARATUS, AND DATA PROCESSING METHOD**
[54] **DISPOSITIF D'EMISSION, DISPOSITIF DE RECEPTION, ET PROCEDE DE TRAITEMENT DE DONNEES**
[72] IGARASHI, TATSUYA, JP
[72] YAMAGISHI, YASUAKI, JP
[71] SONY CORPORATION, JP
[85] 2018-03-08
[86] 2016-09-05 (PCT/JP2016/076052)
[87] (WO2017/047434)
[30] JP (2015-186009) 2015-09-18

[21] **2,998,132**
[13] A1
[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **ENHANCED DELIVERY OF DRUGS TO THE BRAIN**
[54] **ADMINISTRATION AMELIOREE DE MEDICAMENTS AU CERVEAU**
[72] GLASSY, MARK C., US
[72] GUPTA, RISHAB K., US
[71] NASCENT BIOTECH, INC., US
[71] GLASSY, MARK C., US
[71] GUPTA, RISHAB K., US
[85] 2018-03-08
[86] 2016-09-09 (PCT/US2016/051128)
[87] (WO2017/044866)
[30] US (62/217,608) 2015-09-11
[30] US (62/247,490) 2015-10-28

[21] **2,998,134**
[13] A1
[51] **Int.Cl. C07J 17/00 (2006.01)**
[25] EN
[54] **COMPOUNDS AND FORMULATIONS FOR TREATING OPHTHALMIC DISEASES**
[54] **COMPOSES ET FORMULATIONS POUR TRAITER LES MALADIES OPHTHALMIQUES**
[72] CAGLE, JERRY, US
[72] PADILLA, ANGEL, US
[72] BAKER, DAVID, US
[72] COOK, GARY, US
[72] TAKRURI, HARUN, US
[72] MAKLEY, LEAH, US
[72] CUNNINGHAM, EMMETT, US
[71] VIEWPOINT THERAPEUTICS, INC., US
[85] 2018-03-08
[86] 2016-09-08 (PCT/US2016/050823)
[87] (WO2017/044659)
[30] US (62/215,629) 2015-09-08
[30] US (62/269,013) 2015-12-17
[30] US (62/269,019) 2015-12-17

[21] **2,998,138**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) G06F 15/173 (2006.01) G06F 17/30 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TRACKING INFORMATION**
[54] **SYSTEMES ET PROCEDES POUR SUIVRE DES INFORMATIONS**
[72] REINA, GABRIEL ENRIQUE, US
[72] HERSHBERGER, THOMAS RAY, US
[71] ZINATT TECHNOLOGIES INC., US
[85] 2018-03-08
[86] 2016-09-09 (PCT/US2016/050885)
[87] (WO2017/044697)
[30] US (62/217,385) 2015-09-11
[30] US (62/232,724) 2015-09-25

[21] **2,998,143**
[13] A1
[51] **Int.Cl. A47F 1/04 (2006.01) A47F 7/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR UNIVERSAL STEMWARE STORAGE**
[54] **APPAREIL POUR STOCKAGE DE VERRE A PIED UNIVERSEL**
[72] COOK, WILLIAM DONALD, US
[72] SANDERS, DONALD GREENE, US
[71] BELLA TERRA INTERIOR SOLUTIONS, US
[85] 2018-03-08
[86] 2016-09-12 (PCT/US2016/051332)
[87] (WO2017/044955)
[30] US (14/852,265) 2015-09-11

[21] **2,998,146**
[13] A1
[51] **Int.Cl. E04H 15/48 (2006.01) E04H 15/32 (2006.01) E04H 15/34 (2006.01) E04H 15/36 (2006.01) E04H 15/38 (2006.01) E04H 15/44 (2006.01)**
[25] EN
[54] **PRIVACY TENT**
[54] **TENTE PERSONNELLE**
[72] ALLEN, JEFF, US
[72] POWELL, THOMAS PATRICK, US
[72] PORTEOUS, JARED, US
[72] CASSITY, JARED, US
[72] PARRIS, CHRISTIAN, US
[71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA, US
[85] 2018-03-08
[86] 2016-09-12 (PCT/US2016/051351)
[87] (WO2017/044963)
[30] US (62/217,408) 2015-09-11

[21] **2,998,147**
[13] A1
[51] **Int.Cl. A61K 31/44 (2006.01) A61K 31/4468 (2006.01) A61K 31/485 (2006.01)**
[25] EN
[54] **METHODS OF SAFELY TRANSITIONING A SUBJECT TO BUPRENORPHINE**
[54] **METHODES POUR ASSURER LE PASSAGE EN TOUTE SECURITE D'UN SUJET A LA BUPRENORPHINE**
[72] FINN, ANDREW, US
[72] WEBSTER, LYNN R., US
[72] KIRBY, TODD, US
[71] BIODELIVERY SCIENCES INTERNATIONAL, INC., US
[85] 2018-03-08
[86] 2016-09-09 (PCT/US2016/050947)
[87] (WO2017/044745)
[30] US (62/216,251) 2015-09-09

[21] **2,998,154**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **CROSS-ASSET FUNDING TRADE-OFF ANALYSIS FOR ROADWAY NETWORKS (CAFTAFRN)**
[54] **ANALYSE D'ARBITRAGE DE FINANCEMENT CROISE DE BIENS DE RESEAUX ROUTIERS (CAFTAFRN)**
[72] POSAVLJAK, MILOS, CA
[71] POSAVLJAK, MILOS, CA
[71] POSAVLJAK, BRANISLAV, US
[85] 2017-02-16
[86] 2014-08-21 (PCT/US2014/000182)
[87] (WO2016/028251)

[21] **2,998,169**
[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) A61K 31/7088 (2006.01) A61K 31/711 (2006.01) C12N 5/10 (2006.01) C12N 15/10 (2006.01) C12Q 1/68 (2018.01) C40B 30/06 (2006.01) C40B 40/06 (2006.01) C40B 50/06 (2006.01)**
[25] EN
[54] **OLIGONUCLEIC ACID VARIANT LIBRARIES AND SYNTHESIS THEREOF**
[54] **BANQUES DE VARIANTS D'ACIDES OLIGONUCLEIQUES ET SYNTHESE DE CEUX-CI**
[72] COX, ANTHONY, US
[72] TREUSCH, SEBASTIAN, US
[72] CHEN, SIYUAN, US
[71] TWIST BIOSCIENCE CORPORATION, US
[85] 2018-03-08
[86] 2016-09-16 (PCT/US2016/052336)
[87] (WO2017/049231)
[30] US (62/220,879) 2015-09-18
[30] US (62/263,548) 2015-12-04
[30] US (62/354,034) 2016-06-23

[21] **2,998,170**
[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01) A61F 2/848 (2013.01) A61F 2/00 (2006.01) A61F 2/04 (2013.01)**
[25] EN
[54] **DEVICES AND METHODS FOR ANCHORING A SHEATH IN A TISSUE CAVITY**
[54] **DISPOSITIFS ET PROCEDES D'ANCRAGE DE GAINE DANS UNE CAVITE TISSULAIRE**
[72] FONG, KENTON D., US
[72] LEE, JAN, US
[72] ETTER, JEFFREY W., US
[71] SAVAGE MEDICAL, INC., US
[85] 2018-03-08
[86] 2016-09-15 (PCT/US2016/051985)
[87] (WO2017/048989)
[30] US (62/283,877) 2015-09-15

[21] **2,998,172**
[13] A1
[51] **Int.Cl. F21K 9/232 (2016.01) F21V 29/67 (2015.01) F21V 29/83 (2015.01) F21K 9/238 (2016.01)**
[25] EN
[54] **SOLID STATE LAMP FOR RETROFIT**
[54] **LAMPE A SEMI-CONDUCTEURS POUR POST-TRANSFORMATION**
[72] RAMAIAH, RAGHU, US
[72] KNAPP, THOMAS ALEXANDER, US
[72] YODER, BENJAMIN LEE, US
[72] FIRIS, JAMES WILLIAM, US
[71] GE LIGHTING SOLUTIONS, LLC, US
[85] 2018-03-08
[86] 2016-09-20 (PCT/US2016/052579)
[87] (WO2017/053260)
[30] US (62/221,400) 2015-09-21

[21] **2,998,177**
[13] A1
[51] **Int.Cl. F24C 7/04 (2006.01) F24C 15/00 (2006.01) F24C 15/24 (2006.01) F24C 15/36 (2006.01)**
[25] EN
[54] **IN-OVEN CAMERA**
[54] **CAMERA DANS UN FOUR**
[72] CHENG, SHIH-YU (THOMAS), US
[71] BRAVA HOME, INC., US
[85] 2018-03-08
[86] 2016-09-09 (PCT/US2016/051142)
[87] (WO2017/044876)
[30] US (62/216,859) 2015-09-10
[30] US (62/218,942) 2015-09-15
[30] US (62/240,794) 2015-10-13
[30] US (62/249,456) 2015-11-02
[30] US (62/256,626) 2015-11-17

[21] **2,998,179**
[13] A1
[51] **Int.Cl. H04L 12/00 (2006.01) H04W 28/00 (2009.01) H04W 28/02 (2009.01) H04W 28/08 (2009.01) H04L 12/24 (2006.01) H04L 12/26 (2006.01)**
[25] EN
[54] **AUTOMATIC QOS OPTIMIZATION IN NETWORK EQUIPMENT**
[54] **OPTIMISATION AUTOMATIQUE DE QUALITE DE SERVICE (QOS) DANS UN EQUIPEMENT DE RESEAU**
[72] FOULKES, JONATHAN, US
[71] EVENROUTE, LLC, US
[85] 2018-03-08
[86] 2016-09-23 (PCT/US2016/053401)
[87] (WO2017/058657)
[30] US (62/233,465) 2015-09-28

[21] **2,998,182**
[13] A1
[51] **Int.Cl. A61M 11/02 (2006.01) A61M 15/00 (2006.01) A61M 15/08 (2006.01)**
[25] EN
[54] **IN-LINE NASAL DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION NASALE EN LIGNE**
[72] HOEKMAN, JOHN D., US
[72] FULLER, CHRISTOPHER, US
[72] KOHRING, CRAIG, US
[71] IMPEL NEUROPHARMA INC., US
[85] 2018-03-08
[86] 2016-09-09 (PCT/US2016/051169)
[87] (WO2017/044897)
[30] US (62/216,789) 2015-09-10

[21] **2,998,186**
[13] A1
[51] **Int.Cl. A61K 31/404 (2006.01) C07D 209/30 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOUND**
[54] **COMPOSE PHARMACEUTIQUE**
[72] COWLEY, PHILLIP M., GB
[72] HAN, YONGXIN, US
[71] IOMET PHARMA LTD., GB
[71] MERCK SHARP & DOHME CORP., US
[85] 2018-03-08
[86] 2016-09-12 (PCT/US2016/051221)
[87] (WO2017/048612)
[30] GB (1516411.4) 2015-09-16

[21] **2,998,188**
[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **CROSS-REACTIVE T-CELL EPITOPES OF HIV, SIV, AND FIV FOR VACCINES IN HUMANS AND CATS**
[54] **EPITOPES DE CELLULES T A REACTION CROISEE DU VIH, DU VIS ET DU VIF POUR DES VACCINS A USAGE HUMAIN ET FELIN**
[72] YAMAMOTO, JANET K., US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US
[85] 2018-03-08
[86] 2016-09-25 (PCT/US2016/053624)
[87] (WO2017/053918)
[30] US (62/233,072) 2015-09-25
[30] US (62/290,297) 2016-02-02

[21] **2,998,190**
[13] A1
[51] **Int.Cl. H01L 25/065 (2006.01) H01L 23/552 (2006.01) H01L 23/66 (2006.01) H01L 25/16 (2006.01)**
[25] EN
[54] **INTEGRATED DEVICE COMPRISING EMBEDDED PACKAGE ON PACKAGE (POP) DEVICE**
[54] **DISPOSITIF INTEGRE COMPRENANT UN DISPOSITIF BOITIER SUR BOITIER (POP) INCORPORE**
[72] KUMAR, RAJNEESH, US
[72] KIM, CHIN-KWAN, US
[72] SHAH, MILIND, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-03-08
[86] 2016-09-27 (PCT/US2016/054021)
[87] (WO2017/058825)
[30] US (62/236,766) 2015-10-02
[30] US (15/097,719) 2016-04-13

[21] **2,998,197**
[13] A1
[51] **Int.Cl. A61F 5/01 (2006.01)**
[25] EN
[54] **HINGE FOR A BRACE**
[54] **CHARNIERE POUR APPAREIL ORTHODONTIQUE**
[72] GARRISH, ROBERT, CA
[71] SPRING LOADED TECHNOLOGY INCORPORATED, CA
[85] 2018-03-09
[86] 2016-09-08 (PCT/CA2016/000227)
[87] (WO2017/041165)
[30] US (14/851,191) 2015-09-11

[21] **2,998,198**
[13] A1
[51] **Int.Cl. F15B 15/28 (2006.01)**
[25] EN
[54] **LINEAR ACTUATOR WITH ROTARY POSITIONAL OUTPUT**
[54] **ACTIONNEUR LINEAIRE AVEC SORTIE DE POSITION ROTATIVE**
[72] FOWLER, STEPHEN FRANCIS, AU
[72] GORDON, MITCHELL, AU
[72] TAYLOR, DAVID JOHN BUCHANON, AU
[71] JINDEX PTY LIMITED, AU
[85] 2018-03-09
[86] 2016-09-09 (PCT/AU2016/050847)
[87] (WO2017/041140)
[30] AU (2015903670) 2015-09-09

[21] **2,998,203**
[13] A1
[51] **Int.Cl. H04W 36/30 (2009.01) H04W 88/04 (2009.01)**
[25] EN
[54] **TERMINAL DEVICE, METHOD AND SYSTEM**
[54] **DISPOSITIF TERMINAL, PROCEDE, ET SYSTEME**
[72] MARTIN, BRIAN ALEXANDER, GB
[71] SONY CORPORATION, JP
[85] 2018-03-09
[86] 2016-07-19 (PCT/EP2016/067172)
[87] (WO2017/050458)
[30] EP (15186530.0) 2015-09-23

[21] **2,998,208**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **GENE SIGNATURES FOR DETERMINING ICOS EXPRESSION**
[54] **SIGNATURES GENIQUES POUR DETERMINER L'EXPRESSION D'ICOS**
[72] REEVES, JASON WINDHAM, US
[72] FELDMAN, IGOR, US
[72] HARVEY, CHRISTOPHER, US
[72] SATHYANARAYANAN, SRIRAM, US
[72] HIRSCH, HEATHER, US
[72] MACKENZIE, LAUREN PEPPER, US
[72] DESHPANDE, AMIT, US
[72] SAZINSKY, STEPHEN, US
[72] MICHAELSON, JENNIFER S., US
[72] ELPEK, KUTLU GOSKU, US
[71] JOUNCE THERAPEUTICS, INC., US
[85] 2018-03-08
[86] 2016-10-21 (PCT/US2016/058032)
[87] (WO2017/070423)
[30] US (62/245,180) 2015-10-22
[30] US (62/311,486) 2016-03-22
[30] US (62/359,069) 2016-07-06
[30] US (62/395,970) 2016-09-16

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

[21] **2,942,218**
[13] A1
[51] **Int.Cl. A62C 35/68 (2006.01) A62C 3/00 (2006.01) A62C 37/00 (2006.01)**
[25] EN
[54] **FIRE-SUPPRESSION SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE D'EXTINCTION D'INCENDIE**
[72] PERKOVICH, PAUL, CA
[71] PERKOVICH, PAUL, CA
[22] 2016-09-19
[41] 2018-03-16
[30] US (15268323) 2016-09-16

---

[21] **2,991,162**
[13] A1
[51] **Int.Cl. A61K 38/48 (2006.01) A61K 9/19 (2006.01) A61K 47/26 (2006.01) C12N 9/64 (2006.01) C12N 9/96 (2006.01) C12N 9/98 (2006.01)**
[25] EN
[54] **STABILIZED FACTOR IX FORMULATIONS CONTAINING TREHALOSE**
[54] **FORMULATIONS STABILISEES DE FACTEUR IX CONTENANT DU TREHALOSE**
[72] MANKARIOUS, SAMIA, US
[72] GRIFFITH, MICHAEL J., US
[71] APTEVO BIOTHERAPEUTICS LLC, US
[22] 2008-12-16
[41] 2009-07-02
[62] 2,707,032
[30] US (61/016,230) 2007-12-21

---

[21] **2,991,580**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 47/51 (2017.01) A61K 31/7088 (2006.01) A61P 29/00 (2006.01) C07H 21/00 (2006.01) C07K 14/715 (2006.01) C12N 15/11 (2006.01) C12N 15/63 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **SPLICE SWITCHING OLIGOMERS FOR TNF SUPERFAMILY RECEPTORS AND THEIR USE IN TREATMENT OF DISEASE**
[54] **OLIGOMERES PERMUTANT L'EPISSAGE POUR LA SUPERFAMILLE DES RECEPTEURS AU TNF ET LEUR UTILISATION DANS LE TRAITEMENT DE MALADIES**
[72] ORUM, HENRIK, DK
[72] SAZANI, PETER, US
[71] SANTARIS PHARMA A/S, DK
[71] ERCOLE BIOTECH, INC., US
[22] 2007-10-19
[41] 2008-11-06
[62] 2,684,724
[30] US (PCT/US2007/010556) 2007-05-01
[30] US (11/799,117) 2007-05-01

---

[21] **2,991,818**
[13] A1
[51] **Int.Cl. C12Q 1/6869 (2018.01) C12Q 1/6806 (2018.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR NUCLEIC ACID SEQUENCING**
[54] **COMPOSITIONS ET PROCEDES POUR LE SEQUENCAGE D'ACIDE NUCLEIQUE**
[72] TRAVERS, KEVIN, US
[72] OTTO, GEOFF, US
[72] TURNER, STEPHEN, US
[72] HEINER, CHERYL, US
[72] MA, CONGCONG, US
[71] PACIFIC BIOSCIENCES OF CALIFORNIA, INC., US
[22] 2009-03-27
[41] 2009-10-01
[62] 2,719,747
[30] US (61/072,160) 2008-03-28
[30] US (61/099,696) 2008-09-24

[21] **2,992,048**
[13] A1
[51] **Int.Cl. A01H 5/00 (2018.01) A01H 6/20 (2018.01) C07K 7/06 (2006.01) C07K 14/415 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/29 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **METHOD FOR INCREASING PLANT WEIGHT AND METHOD FOR USING SAME**
[54] **PROCEDE POUR AUGMENTER LE POIDS DE VEGETAUX ET PROCEDE D'UTILISATION DE CELUI-CI**
[72] KONDO, SATOSHI, JP
[72] OHTO, CHIKARA, JP
[72] TAKAGI, MASARU, JP
[72] MATSUI, KYOKO, JP
[72] KOYAMA, TOMOTSUGU, JP
[72] MITSUDA, NOBUTAKA, JP
[72] MURAMOTO, NOBUHIKO, JP
[72] MITSUKAWA, NORIHIRO, JP
[72] TANAKA, TOMOKO, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2010-06-04
[41] 2010-12-09
[62] 2,764,440
[30] JP (2009-135309) 2009-06-04

[21] **2,992,058**
[13] A1
[51] **Int.Cl. A01H 5/00 (2018.01) A01H 6/20 (2018.01) C07K 7/06 (2006.01) C07K 14/415 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/29 (2006.01) C12N 15/62 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **METHOD FOR INCREASING PLANT WEIGHT AND METHOD FOR USING SAME**
[54] **PROCEDE POUR AUGMENTER LE POIDS DE VEGETAUX ET PROCEDE D'UTILISATION DE CELUI-CI**
[72] KONDO, SATOSHI, JP
[72] OHTO, CHIKARA, JP
[72] TAKAGI, MASARU, JP
[72] MATSUI, KYOKO, JP
[72] KOYAMA, TOMOTSUGU, JP
[72] MITSUDA, NOBUTAKA, JP
[72] MURAMOTO, NOBUHIKO, JP
[72] MITSUKAWA, NORIHIRO, JP
[72] TANAKA, TOMOKO, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2010-06-04
[41] 2010-12-09
[62] 2,764,440
[30] JP (2009-135309) 2009-06-04

[21] **2,992,074**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) C12N 5/0783 (2010.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 7/06 (2006.01) C07K 14/705 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12Q 1/02 (2006.01)**
[25] EN
[54] **PEPTIDE VACCINES FOR CANCERS EXPRESSING TUMOR-ASSOCIATED ANTIGENS**
[54] **VACCINS PEPTIDIQUES POUR LES CANCERS EXPRIMANT DES ANTIGENES ASSOCIES A UNE TUMEUR**
[72] TSUNODA, TAKUYA, JP
[72] OHSAWA, RYUJI, JP
[71] ONCOTHERAPY SCIENCE, INC., JP
[22] 2008-02-21
[41] 2008-08-28
[62] 2,919,248
[30] US (60/902,949) 2007-02-21

[21] **2,992,177**
[13] A1
[51] **Int.Cl. C12Q 1/6895 (2018.01) C12Q 1/6813 (2018.01) C12Q 1/686 (2018.01)**
[25] EN
[54] **ASSAYS FOR FUNGAL INFECTION**
[54] **TITRAGES POUR INFECTION FONGIQUE**
[72] PARK, STEVEN, US
[72] PERLIN, DAVID S., US
[72] DENNING, DAVID WEMYSS, GB
[71] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US
[22] 2007-11-01
[41] 2008-05-29
[62] 2,668,342
[30] GB (0621864.8) 2006-11-02
[30] US (60/864,146) 2006-11-02
[30] US (60/968,413) 2007-08-28
[30] GB (0716687.9) 2007-08-28

[21] **2,992,180**
[13] A1
[51] **Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6827 (2018.01) C12Q 1/6858 (2018.01) C12Q 1/6886 (2018.01)**
[25] EN
[54] **METHODS OF DIAGNOSING OR TREATING PROSTATE CANCER USING THE ERG GENE, ALONE OR IN COMBINATION WITH OTHER OVER OR UNDER EXPRESSED GENES IN PROSTATE CANCER**
[54] **METHODES DE DIAGNOSTIC OU DE TRAITEMENT DU CANCER DE LA PROSTATE AU MOYEN DU GENE ERG, SEUL OU COMBINE A D'AUTRES GENES SUREXPRIMES OU SOUS-EXPRIMES DANS LE CANCER DE LA PROSTATE**
[72] PETROVICS, GYORGY, US
[72] SRIVASTAVA, SHIV, US
[71] THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, INC., US
[22] 2005-05-06
[41] 2005-12-01
[62] 2,565,450
[30] US (60/568,822) 2004-06-07
[30] US (60/622,021) 2004-10-27

[21] **2,992,347**
[13] A1
[51] **Int.Cl. A01H 1/04 (2006.01) A01H 6/46 (2018.01) C12Q 1/6895 (2018.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **TRANSGENIC MAIZE EVENT MON 87427 AND THE RELATIVE DEVELOPMENT SCALE**
[54] **EVENEMENT MON 87427 DE MAIS TRANSGENIQUE ET L'ECHELLE DE DEVELOPPEMENT RELATIVE**
[72] FENG, PAUL C. C., US
[72] FONSECA, AGUSTIN E., US
[72] GARNAAT, CARL W., US
[72] HEREDIA, OSCAR, US
[72] HUANG, JINTAI, US
[72] KELLY, REBECCA A., US
[72] QI, YOULIN, US
[72] STOECKER, MARTIN A., US
[71] MONSANTO TECHNOLOGY LLC, US
[22] 2010-11-16
[41] 2011-05-26
[62] 2,780,448
[30] US (61/263,530) 2009-11-23
[30] US (61/263,526) 2009-11-23

[21] **2,992,643**
[13] A1
[51] **Int.Cl. C12Q 1/6809 (2018.01) G06F 19/20 (2011.01) C12Q 1/6851 (2018.01) C12Q 1/6876 (2018.01) C12Q 1/6886 (2018.01)**
[25] EN
[54] **GENE EXPRESSION PROFILING IN BIOPSIED TUMOR TISSUE**
[54] **PROFILAGE D'EXPRESSION GENIQUE DANS DES TISSUS TUMORAUX PONCTIONNES**
[72] BAKER, JOFFRE B., US
[72] CRONIN, MAUREEN T., US
[72] KIEFER, MICHAEL C., US
[72] SHAK, STEVE, US
[72] WALKER, MICHAEL G., US
[71] GENOMIC HEALTH, INC., US
[22] 2003-03-12
[41] 2003-09-25
[62] 2,478,850
[30] US (60/364,890) 2002-03-13
[30] US (60/412,049) 2002-09-18

[21] **2,992,770**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) C12N 5/16 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **TARGETED BINDING AGENTS AGAINST B7-H1**
[54] **AGENTS DE LIAISON CIBLES DIRIGES CONTRE B7-H1**
[72] QUEVA, CHRISTOPHE, US
[72] MORROW, MICHELLE, GB
[72] HAMMOND, SCOTT, US
[72] ALIMZHANOV, MARAT, US
[72] BOYLE, MELANIE, GB
[72] CHODORGE, MATTHIEU, GB
[72] STEWART, ROSS ANTHONY, GB
[72] MULGREW, KATHLEEN ANN, US
[72] BABCOCK, JOHN, CA
[72] FOLTZ, IAN, CA
[72] KANG, JASPAL SINGH, CA
[72] SEKIROV, LAURA, CA
[71] MEDIMMUNE LIMITED, GB
[22] 2010-11-24
[41] 2011-06-03
[62] 2,778,714
[30] US (61/264061) 2009-11-24

[21] **2,992,874**
[13] A1
[51] **Int.Cl. C12N 15/117 (2010.01) C07H 21/00 (2006.01) C12N 15/115 (2010.01)**
[25] EN
[54] **APTAMER THERAPEUTICS USEFUL IN THE TREATMENT OF COMPLEMENT-RELATED DISORDERS**
[54] **AGENTS THERAPEUTIQUES A BASE D'APTAMERES UTILES DANS LE TRAITEMENT DE TROUBLES LIES AU COMPLEMENT**
[72] BENEDICT, CLAUDE, US
[72] EPSTEIN, DAVID, US
[72] WILSON, CHARLES, US
[72] GRATE, DILARA, US
[72] KURZ, JEFFREY, US
[72] KURZ, MARKUS, US
[72] MCCAULEY, THOMAS GREEN, US
[72] ROTTMAN, JAMES, US
[71] ARCHEMIX LLC, US
[22] 2006-02-14
[41] 2006-08-24
[62] 2,897,900
[30] US (11/058,134) 2005-02-14

[21] **2,992,898**
[13] A1
[51] **Int.Cl. C12N 15/53 (2006.01) A01H 6/82 (2018.01) C12Q 1/6895 (2018.01) A01H 1/06 (2006.01) A01H 5/00 (2018.01) A24B 15/00 (2006.01) C07K 14/415 (2006.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 9/02 (2006.01) C12N 15/29 (2006.01)**
[25] EN
[54] **REDUCING LEVELS OF NICOTINIC ALKALOIDS IN PLANTS**
[54] **REDUCTION DE NIVEAUX D'ALCALOIDES NICOTINIQUES DANS DES PLANTES**
[72] HASHIMOTO, TAKASHI, JP
[72] KATO, AKIRA, JP
[71] 22ND CENTURY LIMITED, LLC, US
[22] 2006-02-28
[41] 2006-10-19
[62] 2,926,297
[30] US (60/656,536) 2005-02-28

[21] **2,996,361**
[13] A1
[51] **Int.Cl. B60N 2/01 (2006.01) B62D 31/00 (2006.01)**
[25] EN
[54] **SIDE-BY-SIDE VEHICLE**
[54] **VEHICULE A SIEGES COTE A COTE**
[72] DECKARD, AARON D., US
[72] SAFRANSKI, BRIAN M., US
[72] SUNSDAHL, RICHARD L., US
[72] SCHNEIDER, MICHAEL D., US
[72] HANTEN, MICHAEL J., US
[72] JOHNSON, CAL W., US
[72] VAN BRONKHORST, KEVIN, US
[71] POLARIS INDUSTRIES INC., US
[22] 2010-06-15
[41] 2010-12-23
[62] 2,764,397
[30] US (12/484888) 2009-06-15
[30] US (12/796495) 2010-06-08

[21] **2,996,562**
[13] A1
[51] **Int.Cl. F25D 23/02 (2006.01) A47F 3/04 (2006.01) E05B 47/00 (2006.01) E05B 65/06 (2006.01) E05B 65/52 (2006.01)**
[25] EN
[54] **COOLER LOCK**
[54] **VERROU POUR GLACIERE**
[72] DENISON, WILLIAM, US
[72] ROATIS, CALIN, US
[71] DENISON, WILLIAM, US
[71] ROATIS, CALIN, US
[22] 2014-02-28
[41] 2014-12-28
[62] 2,844,382
[30] US (13/930,664) 2013-06-28

[21] **2,996,579**
[13] A1
[51] **Int.Cl. B05B 9/08 (2006.01) A01C 23/00 (2006.01) B05B 9/04 (2006.01)**
[25] EN
[54] **LAWN AND GARDEN SPRAYER ASSEMBLY**
[54] **APPAREIL PULVERISATEUR DESTINE A LA PELOUSE ET AU JARDIN**
[72] MITCHELL, GEORGE A., US
[72] RESTIVE, MARIO J., US
[72] ABERNETHY, TODD, US
[72] CLAREY, ANDREW, US
[72] VAUGHN, JOHN, US
[71] THE FOUNTAINHEAD GROUP, INC., US
[22] 2014-09-11
[41] 2015-03-19
[62] 2,921,421
[30] US (61/876,379) 2013-09-11

[21] **2,997,068**
[13] A1
[51] **Int.Cl. G01V 3/11 (2006.01) G01N 27/72 (2006.01)**
[25] EN
[54] **A VIBRATION DETECTION AND CANCELLATION CIRCUIT**
[54] **UN CIRCUIT DE DETECTION ET ANNULATION DE VIBRATION**
[72] SIMON, JOSEPH, US
[71] CARNES COMPANY, INC., US
[22] 2007-07-27
[41] 2009-01-19
[62] 2,933,797
[30] US (11/779959) 2007-07-19

[21] **2,997,107**
[13] A1
[51] **Int.Cl. B64D 11/02 (2006.01)**
[25] EN
[54] **MODULAR LAVATORY WITH ALCOVE**
[54] **TOILETTES MODULAIRES COMPRENANT UNE ALCOVE**
[72] SCOLEY, IAN GEOFFREY, US
[72] SAVIAN, SCOTT, US
[71] C&D ZODIAC, INC., US
[22] 2014-02-19
[41] 2014-08-28
[62] 2,900,394
[30] US (61/906,794) 2013-11-20
[30] US (61/858,073) 2013-07-24
[30] US (61/842,292) 2013-07-02
[30] US (61/766,665) 2013-02-19

[21] **2,997,116**
[13] A1
[51] **Int.Cl. B64D 11/02 (2006.01)**
[25] EN
[54] **MODULAR LAVATORY WITH ALCOVE**
[54] **TOILETTES MODULAIRES COMPRENANT UNE ALCOVE**
[72] SCOLEY, IAN GEOFFREY, US
[72] SAVIAN, SCOTT, US
[71] C&D ZODIAC, INC., US
[22] 2014-02-19
[41] 2014-08-28
[62] 2,900,394
[30] US (61/906,794) 2013-11-20
[30] US (61/858,073) 2013-07-24
[30] US (61/842,292) 2013-07-02
[30] US (61/766,665) 2013-02-19

[21] **2,997,249**
[13] A1
[51] **Int.Cl. G01N 23/04 (2018.01) G01N 23/046 (2018.01) G01N 23/2206 (2018.01) G01N 23/00 (2006.01)**
[25] EN
[54] **CHARACTERIZATION OF ROCK AND OTHER SAMPLES BY PROCESS AND SYSTEM FOR THE PREPARATION OF SAMPLES USING CASTABLE MOUNTING MATERIALS**
[54] **CARACTERISATION DE ROCHE ET D'AUTRES ECHANTILLONS PAR PROCESSUS ET SYSTEME DE PREPARATION D'ECHANTILLONS UTILISANT DES MATIERES DE MONTAGE APTE A ETRE COULEES**
[72] GUZMAN, BRYAN, US
[72] DERZHI, NAUM, US
[71] INGRAIN, INC., US
[22] 2013-10-24
[41] 2014-05-08
[62] 2,889,823
[30] US (61/721,161) 2012-11-01

[21] **2,997,282**
[13] A1
[51] **Int.Cl. A61K 31/445 (2006.01)**
[25] EN
[54] **USE OF FLECAINIDE AS AN ANTI-CONNEXIN AGENT AND METHOD FOR POTENTIATING THE EFFECTS OF A PSYCHOTROPIC DRUG**
[54] **UTILISATION DE LA FLECAINIDE EN TANT QU'AGENT ANTI-CONNEXINE ET PROCEDE DE POTENTIALISATION DES EFFETS D'UN MEDICAMENT PSYCHOTROPE**
[72] MOUTHON, FRANCK, FR
[72] CHARVERIAT, MATHIEU, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[22] 2014-07-24
[41] 2015-01-29
[62] 2,919,140
[30] EP (13306074.9) 2013-07-24

[21] **2,997,304**
[13] A1
[51] **Int.Cl. H04L 27/38 (2006.01) H03M 13/11 (2006.01) H03M 13/27 (2006.01)**
[25] EN
[54] **BIT INTERLEAVER FOR LOW-DENSITY PARITY CHECK CODEWORD HAVING LENGTH OF 64800 AND CODE RATE OF 4/15 AND QUADRATURE PHASE SHIFT KEYING, AND BIT INTERLEAVING METHOD USING SAME**
[54] **ENTRELACEUR DE BITS POUR MOT CODE A CONTROLE DE PARITE FAIBLE DENSITE AYANT UNE LONGUEUR DE 64 800 BITS ET UN TAUX DE CODE DE 4/15 ET UNE MODULATION PAR DEPLACEMENT DE PHASE A QUATRE ETATS, ET PROCEDE A ENTRELACEMENT DE BITS UTILISANT CELUI-CI**
[72] PARK, SUNG-IK, KR
[72] KWON, SUN-HYOUNG, KR
[72] LEE, JAE-YOUNG, KR
[72] KIM, HEUNG-MOOK, KR
[72] HUR, NAM-HO, KR
[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[22] 2015-01-27
[41] 2016-07-20
[62] 2,880,079
[30] KR (10-2015-0009382) 2015-01-20

---

[21] **2,997,321**
[13] A1
[51] **Int.Cl. H04N 21/472 (2011.01) H04N 21/274 (2011.01) H04N 21/431 (2011.01)**
[25] EN
[54] **ELECTRONIC PROGRAM GUIDE WITH RELATED-PROGRAM SEARCH FEATURE**
[54] **GUIDE DE PROGRAMMES ELECTRONIQUE COMPORTANT UNE FONCTION DE RECHERCHE DE PROGRAMMES ASSOCIES**
[72] HERRINGTON, W. BENJAMIN, US
[72] ELLIS, MICHAEL D., US
[71] ROVI GUIDES, INC., US
[22] 1999-11-30
[41] 2000-06-08
[62] 2,936,635
[30] US (60/110989) 1998-12-03

---

[21] **2,997,347**
[13] A1
[51] **Int.Cl. A61B 18/14 (2006.01)**
[25] EN
[54] **MEASURING WEAK SIGNALS OVER ABLATION LINES**
[54] **MESURES DE SIGNAUX FAIBLES SUR DES LIGNES D'ABLATION**
[72] GOVARI, ASSAF, IL
[72] EPHRATH, YARON, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2010-12-22
[41] 2011-06-29
[62] 2,726,369
[30] US (12/648,327) 2009-12-29

---

[21] **2,997,441**
[13] A1
[51] **Int.Cl. G06F 3/0481 (2013.01) H04W 88/02 (2009.01)**
[25] EN
[54] **COMPONENT DISPLAY PROCESSING METHOD AND USER EQUIPMENT**
[54] **PROCEDE DE TRAITEMENT D'AFFICHAGE DE COMPOSANTS ET DISPOSITIF UTILISATEUR**
[72] PENG, YUZHUO, CN
[71] HUAWEI DEVICE (DONGGUAN) CO., LTD., CN
[22] 2011-01-28
[41] 2011-08-04
[62] 2,788,104
[30] CN (201010104157.0) 2010-01-28

---

[21] **2,997,456**
[13] A1
[51] **Int.Cl. G01F 11/28 (2006.01) A61M 1/00 (2006.01) G01F 1/00 (2006.01)**
[25] EN
[54] **FLUID MANAGEMENT SYSTEM WITH PASS-THROUGH FLUID VOLUME MEASUREMENT**
[54] **SYSTEME DE GESTION DE FLUIDE AVEC MESURE DU VOLUME DE FLUIDE TRAVERSANT**
[72] CARR, DOUGLAS L., US
[72] PATEL, NILESH R., US
[71] THERMEDX, LLC, US
[22] 2015-05-14
[41] 2015-11-19
[62] 2,948,184
[30] US (61/993,340) 2014-05-15
[30] US (14/710,810) 2015-05-13

---

[21] **2,997,459**
[13] A1
[51] **Int.Cl. A61K 39/108 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **TISSUE TARGETED ANTIGENIC ACTIVATION OF THE IMMUNE RESPONSE TO CANCERS**
[54] **ACTIVATION ANTIGENIQUE CIBLEE SUR LES TISSUS DE LA REPONSE IMMUNITAIRE AUX CANCERS**
[72] GUNN, HAROLD DAVID, CA
[71] QU BIOLOGICS INC., CA
[22] 2006-12-20
[41] 2008-04-27
[62] 2,571,805
[30] US (11/553,972) 2006-10-27

---

[21] **2,997,462**
[13] A1
[51] **Int.Cl. H04N 19/615 (2014.01) H04N 19/117 (2014.01) H04N 19/124 (2014.01) H04N 19/182 (2014.01) H04N 19/80 (2014.01)**
[25] EN
[54] **IMAGE ENCODING AND DECODING USING PIXEL ADAPTIVE OFFSET PROCESS**
[54] **CODAGE ET DECODAGE D'IMAGE AU MOYEN D'UN PROCEDE DE DECALAGE ADAPTATIF DE PIXEL**
[72] MINEZAWA, AKIRA, JP
[72] SUGIMOTO, KAZUO, JP
[72] HIWASA, NORIMICHI, JP
[72] SEKIGUCHI, SHUNICHI, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[22] 2013-04-03
[41] 2013-10-17
[62] 2,960,238
[30] JP (2012-092038) 2012-04-13
[30] JP (2012-101227) 2012-04-26

[21] **2,997,471**
[13] A1
[51] **Int.Cl. C07D 333/20 (2006.01) A61K 31/381 (2006.01) A61K 31/4436 (2006.01) A61K 31/4709 (2006.01) C07D 409/12 (2006.01)**
[25] EN
[54] **AGONISTS THAT ENHANCE BINDING OF INTEGRIN-EXPRESSING CELLS TO INTEGRIN RECEPTORS**
[54] **AGONISTES AMELIORANT LA LIAISON DE CELLULES EXPRIMANT DES INTEGRINES A DES RECEPTEURS D'INTEGRINES**
[72] BIEDIGER, RONALD J., US
[72] GUNDLACH, C. WILLIAM, IV, US
[72] MARKET, ROBERT V., US
[72] SAVAGE, MICHAEL M., US
[72] VANDERSLICE, PETER, US
[71] TEXAS HEART INSTITUTE, US
[22] 2011-11-16
[41] 2012-05-24
[62] 2,818,336
[30] US (61/414,271) 2010-11-16

[21] **2,997,472**
[13] A1
[51] **Int.Cl. C10G 49/00 (2006.01) C10G 49/26 (2006.01) C25C 1/02 (2006.01) C25C 7/06 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR UPGRADING PETROLEUM FEEDSTOCKS USING AN ALKALI METAL CONDUCTIVE MEMBRANE**
[54] **DISPOSITIF ET PROCEDE POUR VALORISER DES CHARGES D'ALIMENTATION PETROLIERES A L'AIDE D'UNE MEMBRANE CONDUCTRICE A BASE DE METAL ALCALIN**
[72] GORDON, JOHN HOWARD, US
[72] ALVARE, JAVIER, US
[71] FIELD UPGRADING LIMITED, CA
[22] 2012-11-16
[41] 2013-05-23
[62] 2,855,966
[30] US (61/560,653) 2011-11-16

[21] **2,997,474**
[13] A1
[51] **Int.Cl. C07D 333/20 (2006.01) A61K 31/381 (2006.01)**
[25] EN
[54] **AGONISTS THAT ENHANCE BINDING OF INTEGRIN-EXPRESSING CELLS TO INTEGRIN RECEPTORS**
[54] **AGONISTES AMELIORANT LA LIAISON DE CELLULES EXPRIMANT DES INTEGRINES A DES RECEPTEURS D'INTEGRINES**
[72] BIEDIGER, RONALD J., US
[72] GUNDLACH, C. WILLIAM, IV, US
[72] MARKET, ROBERT V., US
[72] SAVAGE, MICHAEL M., US
[72] VANDERSLICE, PETER, US
[71] TEXAS HEART INSTITUTE, US
[22] 2011-11-16
[41] 2012-05-24
[62] 2,818,336
[30] US (61/414,271) 2010-11-16

[21] **2,997,479**
[13] A1
[51] **Int.Cl. G01B 7/16 (2006.01) B64F 5/60 (2017.01) B64C 25/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MOUNTING LANDING GEAR STRAIN SENSORS**
[54] **SYSTEMES ET PROCEDES DE MONTAGE DES CAPTEURS DE CONTRAINTES DE TRAINS D'ATTERRISSAGE**
[72] ERIKSEN, ODD HARALD STEEN, US
[72] GUO, SHUWEN, US
[72] LIN, CHUANG-CHIA, US
[72] STANG, LAWRENCE JOSEPH, US
[71] GOODRICH CORPORATION, US
[22] 2011-07-12
[41] 2012-01-19
[62] 2,746,096
[30] US (12/839,170) 2010-07-19

[21] **2,997,480**
[13] A1
[51] **Int.Cl. E21B 34/14 (2006.01) E21B 34/10 (2006.01)**
[25] EN
[54] **WELLBORE STIMULATION ASSEMBLIES AND METHODS OF USING THE SAME**
[54] **ENSEMBLES DE SIMULATION DE PUITS DE FORAGE ET PROCEDES D'UTILISATION CORRESPONDANTS**
[72] NORRID, WILLIAM MARK, US
[72] DEYO, BENJAMIN EDWARD, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[22] 2012-09-07
[41] 2013-04-04
[62] 2,847,850
[30] US (13/248,145) 2011-09-29

[21] **2,997,483**
[13] A1
[51] **Int.Cl. B60K 28/06 (2006.01) B60R 25/102 (2013.01)**
[25] EN
[54] **NETWORKED INTOXICATION VEHICLE IMMOBILIZATION**
[54] **IMMOBILISATION D'UN VEHICULE POUR INTOXICATION OBTENUE PAR RESEAU**
[72] DEVRIES, DOUGLAS EDWARD, US
[72] MCGRATH, TIMOTHY J., US
[71] CONSUMER SAFETY TECHNOLOGY, LLC, US
[22] 2016-08-08
[41] 2017-04-13
[62] 2,938,417
[30] US (15/223,921) 2016-07-29
[30] US (62/240,978) 2015-10-13
[30] US (62/266,279) 2015-12-11
[30] US (62/306,177) 2016-03-10

[21] **2,997,484**
[13] A1
[51] **Int.Cl. A61K 31/198 (2006.01) A61K 31/192 (2006.01) A61P 1/16 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **TREATMENT OF PORTAL HYPERTENSION AND RESTORATION OF LIVER FUNCTION USING L-ORNITHINE PHENYLACETATE**
[54] **TRAITEMENT DE L'HYPERTENSION PORTALE ET RESTAURATION DE LA FONCTION HEPATIQUE AU MOYEN DE PHENYLACETATE DE L-ORNITHINE**
[72] JALAN, RAJIV, GB
[72] ANDERSON, KEITH, US
[71] UCL BUSINESS PLC, GB
[71] OCERA THERAPEUTICS, INC., US
[22] 2010-06-08
[41] 2010-12-16
[62] 2,764,587
[30] US (61/185,158) 2009-06-08
[30] US (61/240,748) 2009-09-09
[30] US (61/296,377) 2010-01-19

[21] **2,997,490**
[13] A1
[51] **Int.Cl. H04L 27/38 (2006.01) H03M 13/11 (2006.01) H03M 13/27 (2006.01)**
[25] EN
[54] **BIT INTERLEAVER FOR LOW-DENSITY PARITY CHECK CODEWORD HAVING LENGTH OF 64800 AND CODE RATE OF 3/15 AND QUADRATURE PHASE SHIFT KEYING, AND BIT INTERLEAVING METHOD USING SAME**
[54] **ENTRELACEUR DE BITS POUR MOT CODE A CONTROLE DE PARITE FAIBLE DENSITE AYANT UNE LONGUEUR DE 64 800 BITS ET UN TAUX DE CODE DE 3/15 ET UNE MODULATION PAR DEPLACEMENT DE PHASE A QUATRE ETATS, ET PROCEDE A ENTRELACEMENT DE BITS UTILISANT CELUI-CI**
[72] PARK, SUNG-IK, KR
[72] KWON, SUN-HYOUNG, KR
[72] LEE, JAE-YOUNG, KR
[72] KIM, HEUNG-MOOK, KR
[72] HUR, NAM-HO, KR
[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[22] 2015-01-27
[41] 2016-07-20
[62] 2,880,125
[30] KR (10-2015-0009381) 2015-01-20

[21] **2,997,497**
[13] A1
[51] **Int.Cl. G16H 10/60 (2018.01) G16H 40/63 (2018.01) A61B 5/145 (2006.01) A61B 5/01 (2006.01) A61B 5/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MANAGING HEALTH DATA**
[54] **SYSTEME ET PROCEDE DE GESTION DE DONNEES RELATIVES A LA SANTE**
[72] BROWN, DARREN, US
[72] CHEN, JUN, US
[72] GOFMAN, IGOR, US
[72] INMAN, PAUL L., US
[72] HARRIS, STEVEN B., US
[72] KATES, RICHARD, US
[72] LI, QIONG, US
[72] LIEBER, HARRIS, US
[72] RIPLEY, PAUL M., US
[72] STEFKOVIC, GREGORY, US
[72] SUN, HOI-CHEONG STEVE, US
[72] WU, MU, US
[72] YAO, SIMIN, US
[72] YAO, RAYMOND, US
[71] ASCENSIA DIABETES CARE HOLDINGS AG, CH
[22] 2008-05-29
[41] 2008-12-18
[62] 2,688,046
[30] US (60/932,286) 2007-05-30
[30] US (61/012,721) 2007-12-10
[30] US (61/012,718) 2007-12-10

[21] **2,997,500**
[13] A1
[51] **Int.Cl. H04L 27/38 (2006.01) H03M 13/11 (2006.01) H03M 13/27 (2006.01)**
[25] EN
[54] **BIT INTERLEAVER FOR LOW-DENSITY PARITY CHECK CODEWORD HAVING LENGTH OF 64800 AND CODE RATE OF 2/15 AND QUADRATURE PHASE SHIFT KEYING, AND BIT INTERLEAVING METHOD USING SAME**
[54] **ENTRELACEUR DE BITS POUR MOT CODE A CONTROLE DE PARITE FAIBLE DENSITE AYANT UNE LONGUEUR DE 64 800 BITS ET UN TAUX DE CODE DE 2/15 ET UNE MODULATION PAR DEPLACEMENT DE PHASE A QUATRE ETATS, ET PROCEDE A ENTRELACEMENT DE BITS UTILISANT CELUI-CI**
[72] PARK, SUNG-IK, KR
[72] KWON, SUN-HYOUNG, KR
[72] LEE, JAE-YOUNG, KR
[72] KIM, HEUNG-MOOK, KR
[72] HUR, NAM-HO, KR
[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[22] 2015-01-27
[41] 2016-07-20
[62] 2,880,078
[30] KR (10-2015-0009380) 2015-01-20

[21] **2,997,510**
[13] A1
[51] **Int.Cl. H04L 7/00 (2006.01) H04W 56/00 (2009.01) H04L 12/40 (2006.01)**
[25] EN
[54] **SYNCHRONIZATION OF COMMUNICATION EQUIPMENT**
[54] **SYNCHRONISATION D'UN EQUIPEMENT DE COMMUNICATION**
[72] COOKE, STEPHEN PETER, CA
[72] ZOTTOLA, TINO, CA
[71] GENESIS TECHNICAL SYSTEMS CORP., CA
[22] 2009-07-13
[41] 2010-01-14
[62] 2,730,020
[30] US (61/079967) 2008-07-11

[21] **2,997,571**
[13] A1
[51] **Int.Cl. A61B 17/3207 (2006.01)**
[25] EN
[54] **TISSUE-REMOVING CATHETER INCLUDING OPERATIONAL CONTROL MECHANISM**
[54] **CATHETER DE RETRAIT DE TISSU COMPRENANT UN MECANISME DE COMMANDE FONCTIONNELLE**
[72] FRULAND, BENJAMIN, US
[72] NIGH, CASSANDRA, US
[72] LADD, BRYAN, US
[72] KESSLER, JASON, US
[71] COVIDIEN LP, US
[22] 2013-11-08
[41] 2014-05-15
[62] 2,891,061
[30] US (61/723,892) 2012-11-08

[21] **2,997,598**
[13] A1
[51] **Int.Cl. G01N 1/00 (2006.01)**
[25] EN
[54] **SAMPLE EXTRACTING, DILUTING AND DISCHARGING DEVICE**
[54] **DISPOSITIF D'EXTRACTION , DE DILUTION ET DE DECHARGE D'UN ECHANTILLON**
[72] PAVELS PETERSEN, ERIK, NO
[72] ROSETH, ARNE, NO
[72] JERMANN, THOMAS, CH
[72] WEBER, JAKOB, CH
[71] BUHLMANN LABORATORIES AG, CH
[22] 2013-01-18
[41] 2013-07-25
[62] 2,861,386
[30] EP (12151959.9) 2012-01-20

[21] **2,997,612**
[13] A1
[51] **Int.Cl. C09K 5/04 (2006.01)**
[25] EN
[54] **TETRAFLUOROPROPENE COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS DE TETRAFLUOROPROPENE ET LEURS APPLICATIONS**
[72] MINOR, BARBARA HAVILAND, US
[72] LECK, THOMAS J., US
[72] BIVENS, DONALD BERNARD, US
[71] E. I. DU PONT DE NEMOURS AND COMPANY, US
[22] 2009-11-18
[41] 2011-05-27
[62] 2,741,871
[30] US (61/116,029) 2008-11-19
[30] US (61/180,201) 2009-05-21

[21] **2,997,692**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/64 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF GRAPIPRANT**
[54] **FORMES CRISTALLINES DE GRAPIPRANT**
[72] NEWBOLD, TAMARA, US
[72] SMITH, MELISSA, US
[72] SEEKAMP, CHRIS, US
[72] WENSLOW, ROBERT, US
[72] LU, XIA, US
[71] ARATANA THERAPEUTICS, INC., US
[22] 2015-03-05
[41] 2015-09-11
[62] 2,941,019
[30] US (61/949,006) 2014-03-06
[30] US (61/996,961) 2014-07-30

[21] **2,997,694**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF GRAPIPRANT**
[54] **FORMES CRISTALLINES DE GRAPIPRANT**
[72] NEWBOLD, TAMARA, US
[72] SMITH, MELISSA, US
[72] SEEKAMP, CHRIS, US
[72] WENSLOW, ROBERT, US
[72] LU, XIA, US
[71] ARATANA THERAPEUTICS, INC., US
[22] 2015-03-05
[41] 2015-09-11
[62] 2,941,019
[30] US (61/949,006) 2014-03-06
[30] US (61/996,961) 2014-07-30

[21] **2,997,697**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/64 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF GRAPIPRANT**
[54] **FORMES CRISTALLINES DE GRAPIPRANT**
[72] NEWBOLD, TAMARA, US
[72] SMITH, MELISSA, US
[72] SEEKAMP, CHRIS, US
[72] WENSLOW, ROBERT, US
[72] LU, XIA, US
[71] ARATANA THERAPEUTICS, INC., US
[22] 2015-03-05
[41] 2015-09-11
[62] 2,941,019
[30] US (61/949,006) 2014-03-06
[30] US (61/996,961) 2014-07-30

[21] **2,997,703**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/64 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF GRAPIPRANT**
[54] **FORMES CRISTALLINES DE GRAPIPRANT**
[72] NEWBOLD, TAMARA, US
[72] SMITH, MELISSA, US
[72] SEEKAMP, CHRIS, US
[72] WENSLOW, ROBERT, US
[72] LU, XIA, US
[71] ARATANA THERAPEUTICS, INC., US
[22] 2015-03-05
[41] 2015-09-11
[62] 2,941,019
[30] US (61/949,006) 2014-03-06
[30] US (61/996,961) 2014-07-30

[21] **2,997,718**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/64 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF GRAPIPRANT**
[54] **FORMES CRISTALLINES DE GRAPIPRANT**
[72] NEWBOLD, TAMARA, US
[72] SMITH, MELISSA, US
[72] SEEKAMP, CHRIS, US
[72] WENSLOW, ROBERT, US
[72] LU, XIA, US
[71] ARATANA THERAPEUTICS, INC., US
[22] 2015-03-05
[41] 2015-09-11
[62] 2,941,019
[30] US (61/949,006) 2014-03-06
[30] US (61/996,961) 2014-07-30

[21] **2,997,741**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/64 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF GRAPIPRANT**
[54] **FORMES CRISTALLINES DE GRAPIPRANT**
[72] NEWBOLD, TAMARA, US
[72] SMITH, MELISSA, US
[72] SEEKAMP, CHRIS, US
[72] WENSLOW, ROBERT, US
[72] LU, XIA, US
[71] ARATANA THERAPEUTICS, INC., US
[22] 2015-03-05
[41] 2015-09-11
[62] 2,941,019
[30] US (61/949,006) 2014-03-06
[30] US (61/996,961) 2014-07-30

[21] **2,997,746**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/64 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF GRAPIPRANT**
[54] **TED FORMES CRISTALLINES DE GRAPIPRANT**
[72] NEWBOLD, TAMARA, US
[72] SMITH, MELISSA, US
[72] SEEKAMP, CHRIS, US
[72] WENSLOW, ROBERT, US
[72] LU, XIA, CN
[71] ARATANA THERAPEUTICS, INC., US
[22] 2015-03-05
[41] 2015-09-11
[62] 2,941,019
[30] US (61/949,006) 2014-03-06
[30] US (61/996,961) 2014-07-30

[21] **2,997,790**
[13] A1
[51] **Int.Cl. B64C 27/50 (2006.01) B64C 11/28 (2006.01) B64C 25/10 (2006.01) B64C 27/08 (2006.01) B64C 39/02 (2006.01)**
[25] EN
[54] **COMPACT UNMANNED ROTARY AIRCRAFT**
[54] **AERONEF A VOILURE TOURNANTE NON HABITE COMPACT**
[72] OLM, ORVILLE, CA
[72] WOOD, GREG, CA
[72] DRAGAN, ZENON, CA
[71] AUTEL ROBOTICS USA LLC, US
[22] 2013-05-15
[41] 2014-11-15
[62] 2,815,885

[21] **2,997,840**
[13] A1
[51] **Int.Cl. E21B 7/04 (2006.01) E21B 44/00 (2006.01)**
[25] EN
[54] **MONITOR AND CONTROL OF DIRECTIONAL DRILLING OPERATIONS AND SIMULATIONS**
[54] **SURVEILLANCE ET CONTROLE D'OPERATIONS ET SIMULATIONS DE FORAGE DIRIGE**
[72] SNYDER, JOHN KENNETH, US
[72] GAWSKI, VICTOR, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[22] 2007-09-27
[41] 2008-04-03
[62] 2,659,453
[30] US (60/827,209) 2006-09-27

[21] **2,997,878**
[13] A1
[51] **Int.Cl. G01N 17/00 (2006.01) G01N 37/00 (2006.01)**
[25] EN
[54] **INFRASTRUCTURE MONITORING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE D'INFRASTRUCTURE**
[72] HYLAND, GREGORY E., US
[72] KEEFE, ROBERT PAUL, US
[72] ZAKAS, MARIETTA EDMUNDS, US
[72] BARKER, C. ROBERT, US
[71] MUELLER INTERNATIONAL, LLC, US
[22] 2009-10-27
[41] 2010-05-06
[62] 2,741,843
[30] US (61/108,770) 2008-10-27
[30] US (61/180,600) 2009-05-22

Index of Canadian Patents Issued

April 3, 2018

Index des brevets canadiens délivrés

3 avril 2018

Index of Canadian Patents Issued
April 3, 2018

Index des brevets canadiens délivrés
3 avril 2018

Index of Canadian Patents Issued
April 3, 2018

Index des brevets canadiens délivrés
3 avril 2018

Index des brevets canadiens délivrés
3 avril 2018

Index des brevets canadiens délivrés
3 avril 2018

Index of Canadian Patents Issued
April 3, 2018

Index des brevets canadiens délivrés
3 avril 2018

Index of Canadian Patents Issued
April 3, 2018

Index of Canadian Applications Open to Public Inspection

March 18, 2018 to March 24, 2018

Index des demandes canadiennes mises à la disponibilité du public

18 mars 2018 au 24 mars 2018

Index of Canadian Applications Open to Public Inspection
March 18, 2018 to March 24, 2018

Index des demandes canadiennes mises à la disponibilité du public
18 mars 2018 au 24 mars 2018

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index of PCT Applications Entering the National Phase

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection