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ISSN-1712-4034

# The Patent

Office Record

# La Gazette

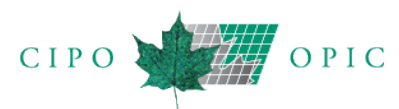
du Bureau des brevets



Vol. 146 No. 24 June 12, 2018

Vol. 146 No. 24 le 12 juin 2018

Canada



# THE CANADIAN PATENT OFFICE RECORD

## LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle  
Commissioner of Patents

Johanne Bélisle  
Commissaire aux brevets

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

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

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

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

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## Notices

## Avis

### 1. Dates and Code Numerals Appearing in Patent Headings

#### Dates

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

#### Code Numerals

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

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

- [11] - Number of Patent document
- [13] - Kind-of-document code
- [21] - Number assigned to the Application
- [22] - Date of Filing Application or
- [22] - Date of filing of related divisional application
- [25] - Language in which the published application was originally filed
- [30] - Data relating to priority under the Paris Convention
  
- [41] - Open to Public Inspection Date
- [45] - Date of Issue
- [48] - Correction Date ( Re-Issued, Re-Examined )
- [51] - International Classification
- [52] - Domestic Classification
- [54] - Title of Invention
- [60] - Related by Supplementary Disclosure
- [62] - Related by Division
- [64] - Related by Reissue
- [71] - Name(s) of Applicant(s)
- [72] - Name(s) of Inventor(s)
- [73] - Name(s) of Grantee(s)
- [85] - National Entry Date
- [86] - PCT International Filing Data
- [87] - PCT International Publication data

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

#### Dates

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

#### Chiffres de code

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

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

- [11] - Numéro du brevet
- [13] - Désignation du type de document
- [21] - Numéro attribué à la demande
- [22] - Date du dépôt de la demande ou
- [22] - Date du dépôt de la demande divisionnaire apparentée
- [25] - Langue dans laquelle la demande publiée a été initialement déposée
- [30] - Données relatives à la priorité selon la Convention de Paris
  
- [41] - Date de mise à la disponibilité du public
- [45] - Date de délivrance
- [48] - Date de correction ( Redélivrance, Réexamen )
- [51] - Classification internationale
- [52] - Classification nationale
- [54] - Titre de l'invention
- [60] - Apparenté par divulgation supplémentaire
- [62] - Apparenté par division
- [64] - Apparenté par redélivrance
- [71] - Nom(s) du (des) demandeur(s)
- [72] - Nom(s) de(s) l'inventeur(s)
- [73] - Nom(s) du (des) titulaire(s)
- [85] - Date d'entrée en phase nationale
- [86] - Données du dépôt international selon le PCT
- [87] - Données de publication internationale selon le PCT

## 2. Country Code

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

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

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

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

## 4. Orders for Patents by Class or Sub-Class

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

## 2. Code des pays

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

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

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

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

## 4. Commande de brevets par classe ou sous-classe

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

## 5. Advice on Making a Patent Application

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

## 6. Licensing of Patents

### Voluntary Licences

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

### Compulsory Licences

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

## 7. Patents Available for Licence or Sale

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

## 8. List of Patents Available for Licence or Sale

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

2,877,269  
2,909,481  
2,928,800

## 5. Conseils relatifs à la préparation de demandes de brevets

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

## 6. Octroi de licences en vertu des brevets

### Licences librement accordées

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

### Licences obligatoires

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

## 7. Brevets disponibles pour licence ou vente

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

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

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

2,877,269  
2,909,481  
2,928,800

## 9. Applications Open to Public Inspection

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

## 10. Language of Published Documents

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

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

## 9. Demandes mises à la disponibilité du public

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

## 10. Langue du document publié

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

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

## Notices

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

### 4. Late payment fee

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

### Preliminary Examination

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

## 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](mailto:publications.mail@wipo.int)) or visit their Web site ([www.wipo.int](http://www.wipo.int)).

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

### 4. Taxe pour paiement tardif

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

### Examen préliminaire

5. Taxe de traitement (Règle 57.2a) 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. 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](mailto:publications.mail@wipo.int)) ou visiter leur site Web ([www.wipo.int](http://www.wipo.int)).



### 13. Practice Notice

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

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

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

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

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

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

### 13. Énoncé de pratique

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

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

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

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

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

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

## Notices

Offices.

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

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

## 14. Correspondence Procedures

June 20, 2017

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

**This notice will replace all previous notices regarding Correspondence Procedures.**

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

### 1. Physical Delivery of Correspondence to CIPO

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

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

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

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

## 14. Procédures de correspondance

le 20 juin, 2017

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

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

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

### 1. Livraison en personne de correspondance à l'OPIIC

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

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

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

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

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

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

Download the [Fee Payment Form](#).

### 1.1 Designated Establishments

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

1. Innovation, Science and Economic Development  
Canada  
C.D. Howe Building  
235 Queen Street, Room S-143  
Ottawa ON K1A 0H5  
Tel.: 343-291-3436  
  
8:30 a.m. to 4:30 p.m. (local time) Monday to Friday
2. Innovation, Science and Economic Development  
Canada  
Sun Life Building  
1155 Metcalfe Street, Room 950  
Montreal QC H3B 2V6

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

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

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

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

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

Téléchargez le [formulaire de paiements](#).

### 1.1 Établissements désignés

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

1. Innovation, Sciences et Développement économique  
Canada  
Édifce C.D. Howe  
235, rue Queen, pièce S-143  
Ottawa (Ontario) K1A 0H5  
Tél. : 343-291-3436  
  
8 h 30 à 16 h 30 (heure locale) du lundi au vendredi
2. Innovation, Sciences et Développement économique  
Canada  
Édifce Sun Life  
1155, rue Metcalfe, bureau 950  
Montréal (Québec) H3B 2V6

## Notices

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

### 1.2. Services Courrier recommandé<sup>MC</sup> et Xpresspost<sup>MC</sup> 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<sup>MC</sup> et Xpresspost<sup>MC</sup> de Postes Canada sont des

## Avis

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

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

### 2. Electronic Correspondence

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

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

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

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

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

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

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

### 2. Correspondance électronique

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

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

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

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

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

## Notices

### 2.1 Facsimile

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

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

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

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

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

### Patents

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

### 2.2 Online

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

### Patents

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

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

### 2.1 Correspondance par télécopieur

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

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

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

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

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

### Brevets

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

### 2.2 En ligne

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

### Brevets

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

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

## Avis

- of patent agents; and
- ordering copies in paper, or electronic form of a document.

- des agents de brevets;
- commande de copies papier ou d'un document sous forme électronique.

### Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

### Trademarks

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

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

### Copyright

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

- application for registration of a copyright in a work,
- application for registration of a copyright in a performer's performance, sound recording or a

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

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

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

### Marques de commerce

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

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

### Droits d'auteur

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

- demande d'enregistrement d'un droit d'auteur sur une œuvre,
- demande d'enregistrement d'un droit d'auteur sur une prestation, un enregistrement sonore ou un signal de

## Notices

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

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

## Industrial Designs

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

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

## Dessins industriels

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

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

## Integrated Circuit Topographies

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

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

## Topographies de circuits intégrés

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

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

## 2.3 Electronic medium

### Patents

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

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

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

## 2.3 Supports électroniques

### Brevets

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

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

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



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application itself or amendment(s) thereof.

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

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

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

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

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

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

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

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

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

### Electronic Media accepted by the Patent Office

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

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

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

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

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

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

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

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

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

### Supports électroniques acceptés par le Bureau des brevets

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

## Notices

the PCT Administration Instructions.

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

### 3. Details concerning the electronic formats accepted

#### Patents

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

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

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

#### TIFF Format:

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

#### PDF Format:

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

F des Instructions administratives du PCT.

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

### 3. Précisions concernant les formats électroniques acceptés

#### Brevets

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

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

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

#### Format TIFF

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

#### Format PDF

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

## Avis

### ASCII

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

### Industrial Design

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

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

#### TIFF Format:

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

#### Photographs in JPEG Format:

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

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

### ASCII

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

### Dessins industriels

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

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

#### Format TIFF :

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

#### Photographies en format JPEG :

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

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

## Notices

### 4. General Information

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

### 5. Statutory Holidays

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

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

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

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

### 4. Renseignements généraux

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

### 5. Jours fériés

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

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

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

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

**Time limits under the Patent and Trade-marks Acts**

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

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

**Time limits under the Patent Cooperation Treaty**

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

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

**Délais prévus dans le Traité de coopération en matière de brevets**

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

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

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

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

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

## Notices

the filing of a document in Canada that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. CIPO, however, takes no position as to whether such extensions would be recognized by other countries, and it will be the responsibility of the person filing the document to ensure that in other countries of interest they are properly entitled to any needed extension of the time limit by reason of Rule 80.5 of the Regulations under the PCT or some other applicable law.

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

### Provincial and Territorial Holidays

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

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

### When CIPO's Offices are closed for business

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

### Jours fériés provinciaux ou territoriaux

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

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

### Jours de fermeture des bureaux de l'OPIC au public

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

## Avis

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

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

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

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

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

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

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

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

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

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

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

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

## 6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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deposit account number.

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

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

#### Patents, Industrial Design, Copyright and Integrated Circuit Topography

The legislative framework in relation with the abovementioned types of intellectual property does not provide CIPO with the flexibility to extend deadlines when it is open for business but clients are unable to communicate with the Office.

In these situations it remains the responsibility of clients to ensure that all deadlines are respected.

#### Trademarks

The Trade-marks Act and Regulations does allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. For a retroactive extension of time to be granted, the Registrar of Trade-marks must be satisfied that the failure to do the act or apply for an extension of time before the original due date was not reasonably avoidable. A prescribed fee of \$125 may be required in certain cases.

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

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

En cas d'urgence, les systèmes d'information et de recherche seront, dans la mesure du possible, accessibles à partir de notre site Web; toutefois, les services fournis par le Centre de services à la clientèle et les autres services de soutien de l'OPIC pourraient temporairement ne pas être offerts. En cas d'urgence, l'OPIC affichera les renseignements nécessaires sur notre [page d'interruptions des services](#) lorsque ceux-ci seront disponibles et si les circonstances le permettent.

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

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

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

Dans une telle situation, les clients demeurent tenus de veiller à ce que les échéances soient respectées.

#### Marques de commerce

La Loi sur les marques de commerce et le Règlement sur les marques de commerce permettent aux clients de demander une prorogation rétroactive lorsqu'un délai n'a pas été respecté en raison d'une situation de force majeure. Pour qu'une prorogation rétroactive soit accordée, le registraire des marques de commerce doit être convaincu que l'omission d'accomplir l'acte ou de demander la prorogation avant la date initiale d'échéance n'était pas raisonnablement évitable. Un droit prescrit de 125 \$ peut être exigé dans certains cas.

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



## 8. Intellectual property acts, rules and regulations

- [Copyright Act](#)
- [Copyright Regulations](#)
- [Industrial Design Act](#)
- [Industrial Design Regulations](#)
- [Integrated Circuit Topography Act](#)
- [Integrated Circuit Topography Regulations](#)
- [Interpretation Act](#)
- [Patent Act](#)
- [Patent Rules](#)
- [Regulations under the PCT](#)
- [Trade-marks Regulations](#)

## 8. Lois, règles et règlements sur la propriété intellectuelle

- [Loi sur le droit d'auteur](#)
- [Règlement sur le droit d'auteur](#)
- [Loi sur les dessins industriels](#)
- [Règlement sur les dessins industriels](#)
- [Loi sur les topographies de circuits intégrés](#)
- [Règlement sur les topographies de circuits intégrés](#)
- [Loi d'interprétation](#)
- [Loi sur les brevets](#)
- [Règles sur les brevets](#)
- [Règlement d'exécution du PCT](#)
- [Règlement sur les marques de commerce](#)

## 15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of June 12, 2018 contains applications open to public inspection from May 27, 2018 to June 2, 2018.

## 15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 12 juin 2018 contient les demandes disponibles au public pour consultation pour la période du 27 mai 2018 au 2 juin 2018.

# Canadian Patents Issued

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[25] EN  
[54] **SYSTEM AND METHOD FOR GENERATING FORECASTS AND ANALYSIS OF CONTACT CENTER BEHAVIOR FOR PLANNING PURPOSES**

[54] **SYSTEME ET PROCEDE DE GENERATION DE PREVISIONS ET D'ANALYSES DU COMPORTEMENT D'UN CENTRE DE CONTACT A DES FINS DE PLANIFICATION**

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[51] **Int.Cl. C12Q 1/6809 (2018.01) G06F 19/10 (2011.01) G06F 19/22 (2011.01) C12Q 1/6872 (2018.01) G01N 33/68 (2006.01)**

[25] EN  
[54] **FRAGMENTATION-BASED METHODS AND SYSTEMS FOR SEQUENCE VARIATION DETECTION AND DISCOVERY**

[54] **PROCEDES ET SYSTEMES DE DETECTION ET D'ANALYSE DE VARIATIONS DE SEQUENCES BASES SUR LA FRAGMENTATION**

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[13] C

[51] **Int.Cl. C12N 15/29 (2006.01)**  
[25] EN  
[54] **CHALCONE SYNTHASE, DIHYDROFLAVONOL 4-REDUCTASE AND LEUCOANTHOCYANIDINE REDUCTASE FROM CLOVER, MEDIC, RYEGRASS OR FESCUE**

[54] **CHALCONE SYNTHASE, DIHYDROFLAVONOL 4-REDUCTASE ET LEUCOANTHOCYANIDINE REDUCTASE A PARTIR DU TREFLE, DE FROMENTAL, MEDICINAL OU DE FETUQUE**

[72] SPANGENBERG, GERMAN, AU  
[72] EMMERLING, MICHAEL, AU  
[72] SIMMONDS, JASON, AU  
[72] WINKWORTH, AMANDA, AU  
[72] PANTER, STEPHEN, AU  
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[13] C

[51] **Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6886 (2018.01)**

[25] EN  
[54] **USE OF GENE EXPRESSION PROFILING TO PREDICT SURVIVAL IN CANCER PATIENT**

[54] **UTILISATION DU PROFILAGE DE L'EXPRESSION GENETIQUE POUR PREVOIR LES CHANCES DE SURVIE D'UN PATIENT ATTEINT D'UN CANCER**

[72] SHAUGHNESSY, JOHN D., US  
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[72] BARLOGIE, BART, US  
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[25] EN  
[54] **DISARMED AGROBACTERIUM STRAINS, RI-PLASMIDS, AND METHODS OF TRANSFORMATION BASED THEREON**  
[54] **SOUCHES D'AGROBACTERIUM ET PLASMIDES RI DESARMES, ET PROCÉDES DE TRANSFORMATION LES UTILISANT**  
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[72] OLHOFT, PAULA, US  
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[25] EN  
[54] **USE OF TELLURIUM COMPOUNDS FOR INHIBITION OF INTERLEUKIN-CONVERTING ENZYME**  
[54] **UTILISATION DE COMPOSES A BASE DE TELLURE POUR INHIBER L'ENZYME DE CONVERSION DE L'INTERLEUKINE**  
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[51] **Int.Cl. C12Q 1/6883 (2018.01) C12Q 1/6827 (2018.01) C07H 21/00 (2006.01)**  
[25] EN  
[54] **METHODS USING KCNC3 GENE MUTATIONS FOR SPINOCEREBELLAR ATAXIA 13 (SCA13)**  
[54] **PROCEDES UTILISANT DES MUTATIONS DE GENES KCN3 POUR L'ATAXIE SPINOCEREBELLEUSE 13 (SCA13)**  
[72] PULST, STEFAN M., US  
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[54] **METHODS FOR MODULATING EICOSANOID METABOLISM**  
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[72] NEWMARK, THOMAS, US  
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[54] **A METHOD FOR PROVIDING AND ANALYZING AN ANIMAL POPULATION HAVING AN ESSENTIALLY IDENTICAL METABOLOME**

[54] **PROCEDE DE FOURNITURE ET D'ANALYSE D'UNE POPULATION ANIMALE AYANT UN METABOLOME ESSENTIELLEMENT IDENTIQUE**

[72] RAVENZWAAY, BENNARD VAN, DE

[72] COELHO PALERMO CUNHA, GEORGIA, DE

[72] MELLERT, WERNER, DE

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[54] **METHODOLOGY FOR 3D SCENE RECONSTRUCTION FROM 2D IMAGE SEQUENCES**

[54] **METHODE DE RECONSTITUTION DE SCENES TRIDIMENSIONNELLES A PARTIR DE SEQUENCES D'IMAGES BIDIMENSIONNELLES**

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[72] CHAN, SONNY, CA

[72] SIMMONS, CHRISTOPHER L., CA

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[54] **40-O-(2-HYDROXYETHYL)-RAPAMYCIN FOR TREATING TUBEROUS SCLEROSIS DISORDERS**

[54] **40-O-(2-HYDROXYETHYL)-RAPAMYCINE POUR LE TRAITEMENT DE LA SCLEROSE TUBEREUSE**

[72] BERG, WILLIAM, US

[72] BENEDETTO, JOHN, US

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[72] LANE, HEIDI, CH

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[51] **Int.Cl. G06Q 10/08 (2012.01) G01M 17/00 (2006.01) G06K 19/07 (2006.01)**

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[54] **USE OF 5H-DIBENZ/B,F/AZEPINE-5-CARBOXAMIDE DERIVATES IN THE TREATMENT OF NEUROPATHIC PAIN AND NEUROLOGICAL DISORDERS**  
[54] **UTILISATION DE DERIVES DE 5H-DIBENZ/B,F/AZEPINE-5-CARBOXAMIDE POUR LE TRAITEMENT DE DOULEUR NEUROPATHIQUE ET DE TROUBLES NEUROLOGIQUES**  
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[54] **FORMULATIONS AND USES OF 2-HYDROXY-5-PHENYLAZOBENZOIC ACID DERIVATIVES**  
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[54] **INHIBITORS OF VOLTAGE-GATED ION CHANNELS FOR USE IN TREATING PAIN AND PRURITIS**  
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[54] **GENERATION OF INNER EAR CELLS**  
[54] **GENERATION DE CELLULES DE L'OREILLE INTERNE**  
[72] EDGE, ALBERT, US  
[73] MASSACHUSETTS EYE & EAR INFIRMARY, US  
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[54] **COMPOSITION D'ADDITIF DE CARBURANT A BASE D'ETHER DE GLYCEROL**  
[72] BRADIN, DAVID, US  
[72] GRUNE, GUERRY L., US  
[72] TRIVETTE, MARTIN, US  
[73] CPS BIOFUELS, INC., US  
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[54] **PROCEDE DE REDUCTION DES EMISSIONS DE MOUSSE DE POLYURETHANNE**  
[72] HAAS, PETER, DE  
[72] JACOBS, GUNDOLF, DE  
[72] MEYER-AHRENS, SVEN, DE  
[73] BAYER MATERIALSCIENCE AG, DE  
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[54] **DISPOSITIFS MEDICAUX INCORPORANT DES INHIBITEURS DE COLLAGENE**  
[72] HODGES, STEVE J., US  
[72] SULLIVAN, CHRISTOPHER A., US  
[72] ATALA, ANTHONY, US  
[72] JAMES, YOO, US  
[73] WAKE FOREST UNIVERSITY HEALTH SCIENCES, US  
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[54] **POUDRE DE MATERIAU MAGNETIQUE DOUX**  
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[72] YE, ZHOU, SE  
[73] HOGANAS AB (PUBL), SE  
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[54] **COMMUTATEUR DE ROUTAGE AUDIO INTEGRE**  
[72] LIRON, JOHN EDWARD, US  
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[54] **HETEROCYCLE SUBSTITUTED HETEROARYL COMPOUNDS AS RECEPTOR AGONISTS FOR THE TREATMENT OF DIABETES AND METABOLIC DISORDERS**

[54] **AGONISTES DE RECEPTEUR HETEROCYCLIQUE POUR LE TRAITEMENT DU DIABETE ET DE TROUBLES METABOLIQUES**

[72] CHEN, XIN, US  
[72] CHENG, PENG, CN  
[72] CLEMENS, L. EDWARD, US  
[72] JOHNSON, JEFFREY D., US  
[72] MA, JINGYUAN, US  
[72] MURPHY, ALISON, US  
[72] NASHASHIBI, IMAD, US  
[72] RABBAT, CHRISTOPHER J., US  
[72] SONG, JIANGAO, US  
[72] WILSON, MARIA E., US  
[72] ZHU, YAN, US  
[72] ZHAO, ZUCHUN, US  
[73] CYMABAY THERAPEUTICS, INC., US  
[85] 2009-06-15  
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[54] **THREE COMPONENT GLYCOLIPEPTIDES**

[54] **GLYCOLIPEPTIDES A TROIS COMPOSANTS**

[72] BOONS, GEERT-JAN, US  
[72] BUSKAS, THERESE, US  
[72] INGALE, SAMPAT, US  
[72] WOLFERT, MARGARETHA A., US  
[73] UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC., US  
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[54] **ELECTRONIC DEVICE COMPRISING SEMICONDUCTING POLYMERS**

[54] **DISPOSITIF ELECTRONIQUE COMPRENANT DES POLYMERES SEMICONDUCTEURS**

[72] LI, YUNING, SG  
[73] XEROX CORPORATION, US  
[86] (2675081)  
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[22] 2009-08-11  
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[54] **GABA NEURON PROGENITOR CELL MARKER 65B13**

[54] **MARQUEUR 65B13 DE CELLULES PROGENITRICES DE NEURONES GABA**

[72] ONO, YUICHI, JP  
[72] NAKAGAWA, YASUKO, JP  
[72] MIZUHARA, ERI, JP  
[73] EISAI R&D MANAGEMENT CO., LTD., JP  
[85] 2009-08-07  
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[25] EN

[54] **POLYNUCLEOTIDES, POLYPEPTIDES AND METHODS FOR INCREASING OIL CONTENT, GROWTH RATE AND BIOMASS OF PLANTS**

[54] **POLYNUCLEOTIDES, POLYPEPTIDES ET PROCEDES PERMETTANT D'AUGMENTER LA TENEUR EN HUILE, LA VITESSE DE CROISSANCE ET LA BIOMASSE DE PLANTES**

[72] EMMANUEL, EYAL, IL  
[72] RONEN, GIL, IL  
[72] SAVIR, NOA, IL  
[73] EVOGENE LTD., IL  
[85] 2009-10-05  
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[54] **ANTAGONISTS TO IL-17A, IL-17F, AND IL-23P19 AND METHODS OF USE**

[54] **ANTAGONISTES A IL-17A, IL-17F ET IL-23P19, ET PROCEDES D'UTILISATION DE CEUX-CI**

[72] LEWIS, KATHERINE E., US  
[72] PRESNELL, SCOTT R., US  
[72] LEVIN, STEVEN D., US  
[73] ZYMOGENETICS, INC., US  
[85] 2009-10-02  
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[30] US (60/914,681) 2007-04-27  
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[25] EN

[54] **METHOD FOR INHIBITING SCAVENGER RECEPTOR-A AND INCREASING IMMUNE RESPONSE TO ANTIGENS**

[54] **PROCEDE D'INHIBITION DU RECEPTEUR PHAGOCYTAIRE DE CLASSE A ET AUGMENTATION DE LA REPOSE IMMUNE A DES ANTIGENES**

[72] WANG, XIANG-YANG, US  
[72] SUBJECK, JOHN, US  
[73] HEALTH RESEARCH INC., US  
[85] 2009-10-09  
[86] 2008-04-16 (PCT/US2008/060479)  
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[25] EN

[54] **HIGH VISCOSITY MACROMOLECULAR COMPOSITIONS FOR TREATING OCULAR CONDITIONS**

[54] **COMPOSITIONS MACROMOLECULAIRES A VISCOSITE ELEVEE POUR TRAITER DES PATHOLOGIES OCULAIRES**

[72] HUGHES, PATRICK M., US  
[72] DEVRIES, GERALD W., US  
[72] LYONS, ROBERT T., US  
[72] TROGDEN, JOHN T., US  
[72] WHITCUP, SCOTT M., US  
[73] ALLERGAN, INC., US  
[85] 2009-10-28  
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[54] **METHOD AND SYSTEM OF AFFIXING A PLAQUE TO A SOLID SURFACE**

[54] **PROCEDE ET SYSTEME DE FIXATION D'UNE PLAQUE A UNE SURFACE SOLIDE**

[72] LENAOU, DANIEL T., US  
[72] SLEPECKI, GREGORY A., US  
[73] MATTHEWS RESOURCES, INC., US  
[86] (2686447)  
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[54] **A DRUG DELIVERY AND MONITORING SYSTEM FOR A VENTILATOR**

[54] **SYSTEME DE DISTRIBUTION DE MEDICAMENT ET DE SURVEILLANCE POUR UN INSUFFLATEUR**

[72] SPANDORFER, MICHAEL, US  
[73] IDTX SYSTEMS, INC., US  
[85] 2009-12-14  
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[54] **PROCESS FOR PERFORMING AN ENDOTHERMIC REACTION**

[54] **PROCEDE POUR EFFECTUER UNE REACTION ENDOTHERMIQUE**

[72] KOESTERS, PETER HUBERTUS, DE  
[73] SAUDI BASIC INDUSTRIES CORPORATION, SA  
[85] 2009-12-22  
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[25] EN

[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF ADVANCED PROSTATE CANCER**

[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT DU CANCER AVANCE DE LA PROSTATE**

[72] HADDEN, JOHN W., US  
[72] SIGNORELLI, KATHY, US  
[72] EGAN, JAMES, US  
[73] IRX THERAPEUTICS, INC., US  
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[54] **CANCER TREATMENT USING HUMANIZED ANTIBODIES THAT BIND TO EPHB4**

[54] **TRAITEMENT CONTRE LE CANCER UTILISANT DES ANTICORPS HUMANISES QUI SE LIENT A EPHB4**

[72] CARR, FRANCIS JOSEPH, GB  
[72] GILL, PARKASH, US  
[72] JONES, TIMOTHY DAVID, GB  
[72] KEEN, SIMON WILLIAM, GB  
[72] KRASNOPEROV, VALERY, US  
[73] VASGENE THERAPEUTICS, INC., US  
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[54] **APPARATUS AND METHOD FOR OILFIELD MATERIAL DELIVERY**

[54] **APPAREILLAGE ET METHODE PERMETTANT LA LIVRAISON DE MATERIAU DE CHAMP PETROLIFERE**

[72] LUHARUKA, RAJESH, US

[72] SHAMPINE, ROD, US

[72] PESSIN, JEAN-LOUIS, FR

[72] GAMBIER, PHILIPPE, US

[72] HUBENSCHMIDT, JOE, US

[73] SCHLUMBERGER CANADA LIMITED, CA

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[54] **REFORMATION OF HYDROGEN-CONTAINING FLUIDS IN A CYCLIC FLOW REACTOR**

[54] **REFORMAGE DE FLUIDES QUI CONTIENNENT DE L'HYDROGENE DANS UN REACTEUR A FLUX CYCLIQUE**

[72] BINGUE, JACQUES PICARDY, US

[72] WHITE, CHRISTOPHER LEE, US

[72] PIERRE-VICTOR, JEAN, US

[73] INNOVATIVE ENERGY SOLUTION, US

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[25] EN

[54] **METHOD AND SYSTEM FOR EVALUATING VIRTUALIZED ENVIRONMENTS**

[54] **PROCEDE ET SYSTEME POUR EVALUER DES ENVIRONNEMENTS VIRTUALISES**

[72] YUYITUNG, TOM S., CA

[72] HILLIER, ANDREW D., CA

[73] CIRBA IP INC., CA

[85] 2010-02-26

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[54] **DETECTION OF TOXIGENIC STRAINS OF CLOSTRIDIUM DIFFICILE**

[54] **DET4ECTION DE SOUCHES TOXIGENES DE CLOSTRIDUM DIFFICILE**

[72] PAQUETTE, NANCY, CA

[72] ROCHETTE, MARIE-EVE, CA

[72] LABOURDETTE, RACHEL, CA

[73] GENEOHM SCIENCES CANADA, INC., CA

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[25] EN

[54] **HIGH AFFINITY ANTI-PROSTATE STEM CELL ANTIGEN (PSCA) ANTIBODIES FOR CANCER TARGETING AND DETECTION**

[54] **ANTICORPS D'ANTIGENE DE CELLULE SOUCHE ANTI-PROSTATE (PSCA) A HAUTE AFFINITE POUR UN CIBLAGE ET UNE DETECTION DE CANCER**

[72] WU, ANNA M., US

[72] REITER, ROBERT E., US

[72] LEPIN, ERIC J., US

[72] MARKS, JAMES D., US

[72] ZHOU, YU, US

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

[85] 2010-03-03

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[30] US (60/969,939) 2007-09-04

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[25] FR

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[54] **UTILISATION DE MANNOPROTEINES EXTRAITES DE CHAMPIGNONS COMME AGENT COSMETIQUE HYDRATANT DE L'EPIDERME**

[72] JUSTEN, PETER, FR

[72] BORREILL, DOMINIQUE MARIE NOELLE, FR

[73] LESAFFRE ET COMPAGNIE, FR

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[54] **APPAREIL, SYSTEME ET PROCEDE DE PURIFICATION D'ACIDES NUCLEIQUES**  
[72] BELGRADER, PHILIP, US  
[73] AKONNI BIOSYSTEMS, US  
[85] 2010-04-27  
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[13] C

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[25] EN  
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[54] **FRAISE A NEIGE ROTATIVE ET PROCEDE DE DAMAGE DE PISTE DE SKI**  
[72] WAGGER, KLAUS, IT  
[72] MUELLER, JAN, IT  
[73] PRINOTH S.P.A., IT  
[85] 2010-04-30  
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[13] C

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[54] **AERATED BAKED PRODUCTS**  
[54] **PRODUITS AERES CUIITS AU FOUR**  
[72] ALDRED, DEBORAH LYNNE, GB  
[72] WATTS, KAREN MARGARET, GB  
[72] WIX, LOYD, GB  
[73] UNILEVER PLC, GB  
[86] (2704702)  
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[54] **SYSTEME DE SECURITE AMELIORE POUR LE CRIBLAGE DE PERSONNES**  
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[72] KOTOWSKI, ANDREAS F., US  
[73] RAPISCAN SYSTEMS, INC., US  
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[54] **DISPOSITIF PORTATIF D'ANALYSE DE GAZ RESPIRATOIRE**  
[72] NESA, GUILLAUME, FR  
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[73] ALCOLOCK FRANCE SAS, FR  
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[54] **COMPOSITION DE VERRE A FORTE TENEUR EN ALCALIS**  
[72] SHOCK, JEFFREY, US  
[72] MCCANN, JONATHAN, US  
[72] LEED, ELAM, US  
[73] JOHNS MANVILLE, US  
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[54] **A STRUCTURED SURFACTANT SYSTEM FOR PHARMACEUTICAL, VETERINARY AND ANALYTICAL USE**  
[54] **UN SYSTEME DE SURFACTANT STRUCTURE DESTINE A UN USAGE PHARMACEUTIQUE, VETERINAIRE ET ANALYTIQUE**  
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[73] BIOSUSPENSIONS LIMITED, GB  
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[72] WOODS, MIKE, US  
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[54] **SYSTEME DE REFROIDISSEMENT POUR TURBINE A GAZ, ET METHODE DE FONCTIONNEMENT CORRESPONDANTE**  
[72] CIOFINI, MAURIZIO, IT  
[72] ROSSIN, STEFANO, IT  
[72] DE PROSPERIS, ROBERTO, IT  
[73] NUOVO PIGNONE S.P.A., IT  
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[54] **PURIFICATION DE BIODIESEL PAR PROCEDE CONTINU A ADSORBANT REGENERABLE**  
[72] MUNSON, JAMES R., US  
[72] COOKE, BRIAN S., US  
[72] BERTRAM, BRYAN L., US  
[73] THE DALLAS GROUP OF AMERICA, US  
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[54] **CONFIGURATIONS DE REGENERATEUR ET PROCEDES A DEMANDE DE VAPEUR REDUITE**  
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[72] SCHERFFIUS, JEFFREY, US  
[73] FLUOR TECHNOLOGIES CORPORATION, US  
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[54] **TELECOMMANDE DE DISPOSITIFS MEDICAUX PAR L'INTERMEDIAIRE D'UNE INFRASTRUCTURE DE MESSAGERIE INSTANTANEE**  
[72] LOGAN, MARK, CA  
[72] FEHRENBACH, JOHN, US  
[73] MERGE HEALTHCARE, INC., US  
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[54] **BRAKE SYSTEM FOR A WIND TURBINE WITH INTEGRATED ROTOR LOCK, GENERATOR AND WIND TURBINE**  
[54] **SYSTEME DE FREINAGE A VERROUILLAGE DE ROTOR INTEGRE POUR EOLIENNE, GENERATRICE ET EOLIENNE**  
[72] ERIKSEN, UFFE, DK  
[72] VENG, JENS ANTON AGERSKOV, DK  
[73] SIEMENS AKTIENGESELLSCHAFT, DE  
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[54] **METHOD AND SYSTEM FOR PROVIDING VISUAL INSTRUCTIONS TO WAREHOUSE OPERATORS**  
[54] **PROCEDE ET SYSTEME VISANT A DONNER DES INSTRUCTIONS VISUELLES A DES MAGASINIERES**  
[72] REICHERT, JOHN PAUL, CA  
[73] TECSYS, INC., CA  
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[54] **PROCEDE ET SYSTEME DE GESTION DE LA REPOSE AUX DEMANDES FAITES AU SEIN D'UN RESEAU**  
[72] ELLIS, JOHN ANDREW, US  
[72] THOMAS, BEX GEORGE, US  
[72] TYAGI, RAJESH, US  
[72] BLACK, JASON WAYNE, US  
[73] GENERAL ELECTRIC COMPANY, US  
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[72] HEWITT, LARRY E., US  
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[72] PERALTA UROZ, CARMEN, ES  
[72] ROSELLO-CATAFAU, JOAN, ES  
[72] BEN MOSBAH, ISMAIL, ES  
[72] BARTRONS BACH, RAMON, ES  
[73] UNIVERSIDAD DE BARCELONA, ES  
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[54] **STRUCTURE DE RECEPTION APTE A LA FIXATION POUR ENCEINTE SOUPLE**  
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[54] **PREMISES POWER SOURCE ACCESSORY PANEL FOR AN OUTDOOR UNIT AND METHOD OF ADAPTING AN OUTDOOR UNIT WITH THE SAME**  
[54] **PANNEAU D'ALIMENTATION ELECTRIQUE SUR PLACE POUR UNE UNITE EXTERIEURE ET METHODE D'ADAPTATION D'UNE UNITE EXTERIEURE AUDIT PANNEAU**  
[72] USELTON, ROBERT B., US  
[72] BRIZENDINE, TIMOTHY J., US  
[73] LENNOX INDUSTRIES INC., US  
[86] (2727139)  
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[72] FORSTER, MARTIN, CH  
[72] DURIC, ALEKSANDAR, CH  
[73] SIEMENS AKTIENGESELLSCHAFT, DE  
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[54] **SAC A PLIURES LATERALES**  
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[72] LIEBEL, GORDON H., US  
[72] BACZUK, ERIC A., US  
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[54] **LOW STRESS PROPERTY MODULATED MATERIALS AND METHODS OF THEIR PREPARATION**  
[54] **MATIERES MODULEES A PROPRIETE DE FAIBLE CONTRAINTE ET LEURS PROCEDES DE FABRICATION**  
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[73] MODUMETAL, INC., US  
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[54] **PROCEDES ET SYSTEMES DE MANIPULATION DE PARTICULES A L'AIDE D'UN LIT FLUIDISE**  
[72] MEHTA, SUNIL, US  
[72] HERMAN, TOD, US  
[72] ROSS, HAROLD, US  
[72] IQBAL, KHURSHID, US  
[72] MCMAHON, JOE, US  
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[72] RAULT, ISABELLE, FR  
[72] STEIGER, MICHEL, CH  
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[54] **VETEMENT D'EXERCICE**  
[72] WILLIAMS, DEXTER, US  
[72] JOHNSON, DERRICK, US  
[72] MOORE, GREGORY, US  
[73] THE BODYGYM CORPORATION, US  
[86] (2732818)  
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[51] **Int.Cl. A01B 37/00 (2006.01)**  
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[54] **APPAREIL POUR LE REMBLAYAGE DES ORNIERES**  
[72] MONK, GAVAN, AU  
[73] OREGON HOUSE PTY LTD, AU  
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[54] **ROTATIONAL SPEED CONTROL OF A WIND TURBINE BASED ON ROTOR ACCELERATION**  
[54] **PROCEDE DE REGULATION DE LA VITESSE DE ROTATION D'UNE EOLIENNE BASE SUR L'ACCELERATION DU ROTOR**  
[72] EGEDAL, PER, DK  
[72] KJAER, OLE, DK  
[72] LIND, SOEREN OEMANN, DK  
[72] STIESDAL, HENRIK, DK  
[72] WINTHER-JENSEN, MARTIN, DK  
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[54] **METHODS AND APPARATUS FOR ACCURATE SERVICE LIFE PREDICTION**  
[54] **PROCEDES ET APPAREIL D'ESTIMATION PRECISE DE LA DUREE UTILE D'UN PRODUIT**  
[72] HARDCASTLE, HENRY K., US  
[72] SCHULTZ, RICHARD, US  
[73] ATLAS MATERIAL TESTING TECHNOLOGY LLC, US  
[86] (2733479)  
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[54] **ENSEMBLE BASE A POSITIONS MULTIPLES POUR OUTIL**  
[72] CHIASSON, MARK A., US  
[72] MAXWELL, HENRY, US  
[72] FAUCHER, THOMAS R., US  
[72] LEFAVOUR, JOHN, US  
[72] ROBICHEAU, RICHARD, US  
[73] HUBBELL INCORPORATED, US  
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[54] **APPAREIL DE RETRAIT DE MATERIAU ET PROCEDE DE REGULATION DU STOCK DE MATERIAU DANS UNE OU PLUSIEURS UNITES**  
[72] EVANS, MARTIN, US  
[72] BUTTERFIELD, RONALD, US  
[72] RADCLIFFE, CHARLES, GB  
[73] INTERCAT EQUIPMENT, INC., US  
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[54] **SYSTEMS AND METHODS FOR IMPULSE NOISE CHARACTERIZATION**  
[54] **SYSTEMES ET PROCEDES POUR UNE CARACTERISATION DE BRUIT IMPULSIF**  
[72] SAMDANI, HEMANT KUMAR, IN  
[72] RAHEJA, KUNAL, IN  
[72] GARG, RAHUL, IN  
[72] MAHADEVAN, AMITKUMAR, US  
[72] DUVAUT, PATRICK, FR  
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[54] **CLOU D'ARTHRODESE INTRAMEDULLAIRE ET SON PROCEDE D'UTILISATION**  
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[72] NORMAN, THOMAS H., US  
[72] SALCEDO, JUAN, US  
[72] LITKE, RONALD, US  
[73] SKELETAL DYNAMICS, LLC, US  
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[25] EN  
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[54] **SYSTEME DE MASSAGE AVEC DE L'AIR ET DE L'EAU POUR BAIGNOIRES**  
[72] CIECHANOWSKI, DOMINIQUE, CA  
[72] CASTELLOTE, MIGUEL A., CA  
[73] C.G. AIR SYSTEMES INC., CA  
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[54] **MODULE MULTICOUCHE**  
[72] GIRAUD, WILLIAM J., US  
[72] RASMUSSEN, MICHAEL H., US  
[72] RODRIGUEZ, DIANA, US  
[73] CORNING OPTICAL COMMUNICATIONS LLC, US  
[86] (2737717)  
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[51] **Int.Cl. G06F 19/00 (2018.01) G06F 8/41 (2018.01)**

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[54] **METHOD AND DATA PROCESSING SYSTEM FOR SIMULATING AN EMBEDDED SYSTEM**  
[54] **PROCEDE ET SYSTEME DE TRAITEMENT DE DONNEES CONCUS POUR SIMULER UN SYSTEME INTEGRE**  
[72] DORFEL, MATTHIAS, DE  
[72] MUNZENBERGER, RALF, DE  
[73] INCHRON GMBH, DE  
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[51] **Int.Cl. C10M 169/04 (2006.01) C10M 105/34 (2006.01)**

[25] EN  
[54] **LUBRICATION COMPOSITION WITH AN ADAPTABLE COEFFICIENT OF FRICTION, FOR A THREADED ELEMENT OF A THREADED TUBULAR CONNECTION COMPONENT**  
[54] **COMPOSITION DE LUBRIFICATION AVEC UN COEFFICIENT DE FROTTEMENT ADAPTABLE, POUR UN ELEMENT VISSE D'UN COMPOSANT VISSE DE CONNEXION TUBULAIRE**  
[72] PINEL, ELIETTE, FR  
[72] GARD, ERIC, FR  
[72] GOTO, KUNIO, JP  
[73] SUMITOMO METAL INDUSTRIES, LTD., JP  
[73] VALLOUREC OIL AND GAS FRANCE, FR  
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[86] 2009-10-05 (PCT/EP2009/007100)  
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[51] **Int.Cl. G01R 22/00 (2006.01) G01R 22/10 (2006.01)**

[25] FR  
[54] **METHOD AND DEVICE FOR THE NON-INTRUSIVE DETERMINATION OF THE ELECTRICAL POWER CONSUMED BY AN INSTALLATION, BY ANALYSING LOAD TRANSIENTS**  
[54] **PROCEDE ET DISPOSITIF DE DETERMINATION NON INTRUSIVE DE LA PUISSANCE ELECTRIQUE CONSOMMEE PAR UNE INSTALLATION, PAR ANALYSE DE TRANSITOIRES DE CHARGE**  
[72] DIOP, ALIOUNE, FR  
[72] JOUANNET, THIERRY, FR  
[72] EL KHAMLICHI DRISSI, KHALIL, FR  
[72] NAJMEDDINE, HALA, FR  
[73] UNIVERSITE BLAISE PASCAL CLERMONT II, FR  
[73] LANDIS + GYR, FR  
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE-CNRS, FR  
[73] ELECTRICITE DE FRANCE, FR  
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[54] **OPTICAL CONNECTION TERMINAL HAVING PORT MAPPING SCHEME**  
[54] **TERMINAL DE CONNEXION OPTIQUE DISPOSANT D'UN SYSTEME DE MAPPAGE DE PORTS**  
[72] CONNER, MARK EDWARD, US  
[73] CORNING OPTICAL COMMUNICATIONS LLC, US  
[85] 2011-04-11  
[86] 2009-09-16 (PCT/US2009/057140)  
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June 12, 2018**

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[54] **RECOLTE DE RESSOURCES NON EXPLOITEES**  
[72] SCOTT, GEORGE R., CA  
[73] IMPERIAL OIL RESOURCES LIMITED, CA  
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[25] EN  
[54] **METHOD FOR PREPARING A METAL CATALYST**  
[54] **PROCEDE POUR PREPARER UN CATALYSEUR METALLIQUE**  
[72] ABDUR-RASHID, KAMALUDDIN, CA  
[72] AMOROSO, DINO, CA  
[72] CHEN, XUANHUA, CA  
[72] GUO, RONGWEI, CA  
[72] LU, SHUIMING, CA  
[72] TSANG, CHI-WING, CA  
[73] KANATA CHEMICAL TECHNOLOGIES INC., CA  
[85] 2011-04-13  
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[30] US (61/106,310) 2008-10-17  
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[25] EN  
[54] **DEVICES, SYSTEMS, AND METHODS FOR ENDOVASCULAR STAPLE AND/OR PROSTHESIS DELIVERY AND IMPLANTATION**  
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE POSE ET D'IMPLANTATION D'AGRAFES ET/OU DE PROTHESES ENDOVASCULAIRES**  
[72] BOLDOC, LEE, US  
[72] JEN, JIMMY, US  
[73] MEDTRONIC VASCULAR, INC., US  
[85] 2011-04-15  
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[25] EN  
[54] **NOVEL AND POTENT TAPENTADOL DOSAGE FORMS**  
[54] **NOUVELLES FORMES GALENIQUES PUISSANTES DU TAPENTADOL**  
[72] SETHA, RAMESH, US  
[73] GRUENENTHAL GMBH, DE  
[85] 2011-04-28  
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[54] **VENOUS ACCESS PORT ASSEMBLY AND METHOD OF ASSEMBLY**  
[54] **ASSEMBLAGE D'ORIFICE POUR UN ACCES VEINEUX ET PROCEDE D'ASSEMBLAGE**  
[72] FISHER, MARK S., US  
[72] WALL, W. SHAUN, US  
[73] MEDICAL COMPONENTS, INC., US  
[85] 2011-04-28  
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[54] **LUBRICATION OF INTERNAL COMBUSTION ENGINES IN THE PRESENCE OF WATER CONTAMINANT**  
[54] **LUBRIFICATION DE MOTEURS A COMBUSTION INTERNE EN PRESENCE DE CONTAMINANT D'EAU**  
[72] KOCSIS, JODY A., US  
[72] CRAWLEY, SETH L., US  
[73] THE LUBRIZOL CORPORATION, US  
[85] 2011-04-29  
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[54] **METHODS FOR CONTROLLING ETHYLENE COPOLYMER PROPERTIES**

[54] **METHODES DE REGULATION DES PROPRIETES DE COPOLYMERE ETHYLENIQUE**

[72] HOANG, PETER PHUNG MINH, CA

[72] LAM, PATRICK, CA

[72] KER, VICTORIA, CA

[72] SHAW, BENJAMIN MILTON, CA

[72] BAAR, CLIFF ROBERT, CA

[73] NOVA CHEMICALS CORPORATION, CA

[86] (2742454)

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[25] EN

[54] **MODIFIED PHOSPHINIMINE CATALYSTS FOR OLEFIN POLYMERIZATION**

[54] **CATALYSEURS DE PHOSPHINIMINE MODIFIES POUR LA POLYMERISATION DES OLEFINES**

[72] BAAR, CLIFF ROBERT, CA

[72] KER, VICTORIA, CA

[72] SHAW, BENJAMIN MILTON, CA

[72] LAM, PATRICK, CA

[72] HENDERSON, LEE DOUGLAS, CA

[72] CARTER, CHARLES ASHTON GARRET, CA

[72] JIANG, YAN, CA

[72] HOANG, PETER PHUNG MINH, CA

[73] NOVA CHEMICALS CORPORATION, CA

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[13] C

[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01)**

[25] EN

[54] **A MANIFOLD AND DISTRIBUTION MANIFOLD ASSEMBLY FOR AIR-ENTRAINED MATERIAL**

[54] **COLLECCTEUR ET COLLECCTEUR DE DISTRIBUTION POUR MATERIAUX ENTRAINES PAR L'AIR**

[72] PETERSEN, BRIAN T., US

[72] MARIMAN, NATHAN A., US

[72] OLSON, JAY H., US

[73] DEERE & COMPANY, US

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[54] **PEST CONTROLLING COMPOSITION AND METHOD OF CONTROLLING PEST**

[54] **COMPOSITION DESTINEE A LA LUTTE CONTRE LES PARASITES ET PROCEDE DE LUTTE CONTRE LES PARASITES**

[72] SOMA, MASATO, JP

[72] IWATA, ATSUSHI, JP

[73] SUMITOMO CHEMICAL COMPANY, LIMITED, JP

[85] 2011-05-11

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[54] **TRANSMITTER WITH A RELATIVE-TIME TIMER**

[54] **EMETTEUR A MINUTERIE DE TEMPS RELATIF**

[72] HAYS, PAUL J., US

[73] MICRO MOTION, INC., US

[85] 2011-05-11

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[25] EN

[54] **TOWER SEGMENTS AND METHOD FOR OFF-SHORE WIND TURBINES**

[54] **SEGMENTS DE TOURS ET METHODES DE MONTAGE D'EOLIENNES MARINES**

[72] NIES, JACOB JOHANNES, NL

[73] GENERAL ELECTRIC COMPANY, US

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[51] **Int.Cl. H02G 3/04 (2006.01) F03D 1/00 (2006.01) H02G 5/00 (2006.01) H02G 5/04 (2006.01)**

[25] EN

[54] **DEVICE COMPRISING RIGID CONNECTING BARS FOR THE CONDUCTING CONNECTION OF FIRST TO SECOND BUSBARS**

[54] **DISPOSITIF COMPORTANT DES BARRES DE CONNEXION FIXES POUR LA CONNEXION CONDUCTRICE DE PREMIERES BARRES CONDUCTRICES AVEC DE DEUXIEMES BARRES CONDUCTRICES**

[72] HAAR, RAINER, DE

[72] NIELSEN, NIELS, DE

[73] SIEMENS AKTIENGESELLSCHAFT, DE

[85] 2011-05-13

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[54] **SYSTEMS AND METHODS FOR IMPROVING AMMONIA SYNTHESIS EFFICIENCY**

[54] **SYSTEMES ET PROCEDES POUR L'AMELIORATION DU RENDEMENT DE SYNTHESE D'AMMONIAC**

[72] UL HAQUE, ISRAR, US

[73] KELLOGG BROWN & ROOT LLC, US

[85] 2011-05-20

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[25] EN

[54] **DRILLING FLUID AND METHODS**

[54] **FLUIDE ET METHODES DE FORAGE**

[72] SMITH, CARL KEITH, CA

[73] CANADIAN ENERGY SERVICES L.P., CA

[86] (2745017)

[87] (2745017)

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[25] EN

[54] **SYSTEM AND METHOD FOR DETERMINING AN ORIENTATION OF A DEVICE**

[54] **SYSTEME ET PROCEDE POUR DETERMINER L'ORIENTATION D'UN DISPOSITIF**

[72] WOOTTEN, KEITH ROBERT, GB

[73] GENERAL ELECTRIC COMPANY, US

[86] (2745645)

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[25] EN

[54] **MODIFICATION OF PLANT PHENOTYPES THROUGH TOR GENE EXPRESSION**

[54] **MODIFICATION DE PHENOTYPES DE PLANTES VIA L'EXPRESSION DES GENES CIBLES DE LA RAPAMYCINE**

[72] REN, MAOZHI, CA

[72] DATLA, RAJU, CA

[72] SELVARAJ, GOPALAN, CA

[72] QIU, SHUQING, CA

[73] NATIONAL RESEARCH COUNCIL OF CANADA, CA

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 17/00 (2006.01)**

[25] EN

[54] **REMEDIES FOR PEMPHIGUS CONTAINING ANTI FAS LIGAND ANTIBODIES**

[54] **REMEDES CONTRE LE PEMPHIGUS, A BASE D'ANTICORPS DIRIGES CONTRE LE LIGAND FAS**

[72] PINCELLI, CARLO, IT

[72] MARCONI, ALESSANDRA, IT

[73] PINCELL SRL, IT

[85] 2011-06-08

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[25] EN

[54] **ANTI-RHD MONOCLONAL ANTIBODIES**

[54] **ANTICORPS MONOCLONAUX ANTI-RHD**

[72] DAFTARY, GAUTAM VINOD, IN

[72] KAUNDINYA, JOHN, US

[72] CINEK, TOMAS, US

[73] BHARAT SERUMS AND VACCINES LTD., IN

[85] 2011-06-09

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[54] **LID HOLDER FOR A SLOW COOKER**

[54] **FIXATION DE COUVERCLE POUR UNE MIJOTEUSE**

[72] BRAUN, VICKY, ZZ

[73] BRAUN, VICKY, US

[86] (2746565)

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[51] **Int.Cl. H04W 4/90 (2018.01)**

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[54] **SEGMENTATION AND REASSEMBLY OF WARNING MESSAGES**

[54] **SEGMENTATION ET REASSEMBLAGE DE MESSAGES D'AVERTISSEMENT**

[72] SCHLIWA-BERTLING, PAUL, SE

[72] MOLANDER, ANDERS, SE

[72] PERSSON, CLAES-GOERAN, SE

[72] DIACHINA, JOHN, US

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

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[25] EN

[54] **METHOD FOR VALIDATION OF POLYMER AQUEOUS SOLUTIONS CONCENTRATION AND ACTIVATION IN WATER TREATMENT APPLICATIONS AND POLYMER MAKE-UP UNIT THEREFOR**

[54] **METHODE DE VALIDATION DE LA CONCENTRATION DE SOLUTIONS AQUEUSES DE POLYMERES ET ACTIVATION POUR LE TRAITEMENT DE L'EAU ET UNITE DE PRODUCTION DE POLYMERES**

[72] CASPAR, MARTIN, CA  
[72] DUPLA, MARIANNE, CA  
[72] LACROIX, PHILIPPE, CA  
[72] LALONDE, JOSEE, CA  
[72] SABOURIN, HUGO, CA  
[73] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT, FR  
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[54] **AN AIR DIFFUSER AND AN AIR CIRCULATION SYSTEM**

[54] **DIFFUSEUR D'AIR ET SYSTEME DE CIRCULATION D'AIR**

[72] BADENHORST, SEAN MICHAEL JOHL, AU  
[73] KAIP PTY LIMITED, AU  
[85] 2011-06-17  
[86] 2009-12-18 (PCT/AU2009/001654)  
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[51] **Int.Cl. H02J 7/34 (2006.01) H02M 11/00 (2006.01)**

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[54] **ELECTRIC POWER CONVERSION SYSTEM**

[54] **SYSTEME DE CONVERSION D'ENERGIE ELECTRIQUE**

[72] KLEIN, FRANCOIS, FR  
[72] TAURAND, CHRISTOPHE, FR  
[73] THALES, FR  
[86] (2748227)  
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[13] C

[51] **Int.Cl. G06Q 10/04 (2012.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR GENERATING FIXED TRANSIT ROUTES**

[54] **METHODE ET SYSTEME POUR PRODUIRE DES ROUTES DE TRANSIT FIXES**

[72] VIS, ROELOF, CA  
[72] HEIDE, BRADLEY TODD, CA  
[73] TRAPEZE SOFTWARE INC., CA  
[86] (2749016)  
[87] (2749016)  
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[13] C

[51] **Int.Cl. C12Q 1/48 (2006.01) C12Q 1/66 (2006.01) G01N 33/53 (2006.01)**

[25] EN

[54] **RAPID BIOLUMINESCENCE DETECTION SYSTEM**

[54] **SYSTEME DE DETECTION DE BIOLUMINESCENCE RAPIDE**

[72] SUTTON, MARK J., GB  
[72] POOLMAN, TORYN, GB  
[72] HESP, RICHARD J., GB  
[73] SECRETARY OF STATE FOR HEALTH, GB  
[85] 2011-07-06  
[86] 2010-01-07 (PCT/GB2010/050018)  
[87] (WO2010/079357)  
[30] GB (0900151.2) 2009-01-07

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[13] C

[51] **Int.Cl. G08B 13/24 (2006.01) G08B 13/194 (2006.01) G08B 29/04 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DETECTION OF EAS MARKER SHIELDING**

[54] **SYSTEME ET PROCEDE DE DETECTION DE BLINDAGE AVEC MARQUEUR EAS**

[72] HALL, STEWART E., US  
[73] TYCO FIRE & SECURITY GMBH, CH  
[85] 2011-07-12  
[86] 2010-01-06 (PCT/US2010/000023)  
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[30] US (12/352,645) 2009-01-13

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[13] C

[51] **Int.Cl. H04B 7/26 (2006.01) G07B 15/06 (2011.01) G08G 1/09 (2006.01)**

[25] EN

[54] **METHOD AND RADIO BEACON FOR TRANSMITTING MESSAGES IN A ROAD COMMUNICATION SYSTEM**

[54] **METHODE DE TRANSMISSION DE MESSAGES ET RADIOBALISE CONNEXE DANS UN RESEAU DE COMMUNICATION ROUTIER**

[72] TIJINK, JASJA, AT  
[73] KAPSCH TRAFFICOM AG, AT  
[86] (2749706)  
[87] (2749706)  
[22] 2011-08-22  
[30] EP (10450147.3) 2010-09-17  
[30] EP (10450192.9) 2010-12-17

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**Canadian Patents Issued  
June 12, 2018**

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[11] **2,750,753**  
[13] C

[51] **Int.Cl. C12P 19/14 (2006.01) C08H 8/00 (2010.01) C12M 1/40 (2006.01) C12P 7/10 (2006.01) C12P 19/02 (2006.01) C13K 1/02 (2006.01)**

[25] EN

[54] **BIOMASS PROCESSING SYSTEM AND SACCHARIDE-SOLUTION PRODUCTION METHOD USING BIOMASS MATERIAL**

[54] **SYSTEME DE TRAITEMENT DE BIOMASSE ET METHODE DE PRODUCTION D'UNE SOLUTION DE SACCHARIDE A PARTIR DE CETTE BIOMASSE**

[72] SUZUKI, HIDEO, JP  
[72] KUROMI, YOSHIO, JP  
[72] KIMURA, YOSHITAKA, JP  
[73] MITSUBISHI HITACHI POWER SYSTEMS ENVIRONMENTAL SOLUTIONS, LTD., JP

[85] 2011-08-29  
[86] 2010-07-09 (PCT/JP2010/061725)  
[87] (WO2012/004895)

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[11] **2,750,909**  
[13] C

[51] **Int.Cl. G01F 3/10 (2006.01) G01D 5/26 (2006.01) G01F 1/05 (2006.01) G01F 3/02 (2006.01)**

[25] EN

[54] **FLOW METER**

[54] **DEBITMETRE**

[72] TOKHTUEV, EUGENE, US  
[72] OWEN, CHRISTOPHER, US  
[72] SKIRDA, ANATOLY, US  
[72] SLOBODYAN, VIKTOR, US  
[72] MEHUS, RICHARD, US  
[73] ECOLAB INC., US

[85] 2011-06-28  
[86] 2010-02-11 (PCT/IB2010/050633)  
[87] (WO2010/092544)  
[30] US (12/369,501) 2009-02-11

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[11] **2,751,080**  
[13] C

[51] **Int.Cl. B81B 1/00 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR CONTROL OF FLUID TEMPERATURE AND FLOW**

[54] **PROCEDE ET APPAREIL POUR LA COMMANDE DE TEMPERATURE ET DE DEBIT DE FLUIDE**

[72] DAVIS, SCOTT, US  
[73] FORCED PHYSICS LLC, US

[85] 2011-07-28  
[86] 2009-09-30 (PCT/US2009/059079)  
[87] (WO2010/039868)  
[30] US (61/101,227) 2008-09-30

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[11] **2,751,379**  
[13] C

[51] **Int.Cl. A61K 39/145 (2006.01) A61K 39/295 (2006.01) A61P 31/16 (2006.01)**

[25] EN

[54] **INFLUENZA VACCINES WITH REDUCED AMOUNTS OF SQUALENE**

[54] **VACCINS CONTRE LA GRIPPE COMPORTANT DES QUANTITES REDUITES DE SQUALENE**

[72] CONTORNI, MARIO, IT  
[72] O'HAGAN, DEREK, US  
[72] GROTH, NICOLA, IT  
[73] SEQIRUS UK LIMITED, GB

[85] 2011-08-02  
[86] 2010-02-10 (PCT/IB2010/000312)  
[87] (WO2010/092479)  
[30] US (61/207,385) 2009-02-10

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[11] **2,751,442**  
[13] C

[51] **Int.Cl. G01N 23/041 (2018.01) A61B 6/00 (2006.01) G01N 23/05 (2006.01)**

[25] EN

[54] **LOW DOSE SINGLE STEP GRATING BASED X-RAY PHASE CONTRAST IMAGING**

[54] **PROCEDE D'IMAGERIE PAR CONTRASTE DE PHASE AUX RAYONS X, FONDE SUR DES RESEAUX DE DIFFRACTION, EN UNE SEULE ETAPE ET N'EXIGEANT QUE DE FAIBLES DOSES**

[72] ZHU, PEIPING, CN  
[72] WU, ZIYU, CN  
[72] STAMPANONI, MARCO, CH  
[73] PAUL SCHERRER INSTITUT, CH  
[73] INSTITUTE OF HIGH ENERGY PHYSICS, CN

[85] 2011-08-03  
[86] 2010-02-03 (PCT/EP2010/051291)  
[87] (WO2010/089319)  
[30] EP (09100099.2) 2009-02-05

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[11] **2,751,756**  
[13] C

[51] **Int.Cl. C12Q 1/42 (2006.01)**

[25] EN

[54] **METHODS FOR DETECTING ORGANISMS AND ENZYMATIC REACTIONS USING RAMAN SPECTROSCOPY AND AROMATIC COMPOUNDS COMPRISING PHOSPHATE**

[54] **PROCEDES POUR DETECTER DES ORGANISMES ET DES REACTIONS ENZYMATIQUES EN UTILISANT LA SPECTROSCOPIE RAMAN ET COMPOSES AROMATIQUES COMPRENANT DU PHOSPHATE**

[72] SIEGEL, NEAL ARTHUR, US  
[72] KUNDU, SAMAR KUMAR, US  
[72] GINSBURGH, CHARLES LESTER, US

[73] SWORD DIAGNOSTICS, INC., US

[85] 2011-08-08  
[86] 2010-02-02 (PCT/US2010/022809)  
[87] (WO2010/096260)  
[30] US (12/372,490) 2009-02-17

**Brevets canadiens délivrés  
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[11] **2,752,311**  
[13] C

[51] **Int.Cl. G06F 21/71 (2013.01) G06F 21/86 (2013.01) G07F 7/08 (2006.01)**

[25] EN

[54] **DEVICE FOR PROTECTING A CONNECTOR AND A COMMUNICATIONS WIRE OF A MEMORY CARD READER**

[54] **DISPOSITIF PERMETTANT LA PROTECTION D'UN CONNECTEUR ET D'UN FIL DE COMMUNICATION D'UN LECTEUR DE CARTE A MEMOIRE**

[72] ROSSI, LAURENT, FR  
[72] SCHANG, BERNARD, FR  
[73] INGENICO GROUP, FR  
[86] (2752311)  
[87] (2752311)  
[22] 2011-09-14  
[30] FR (1057383) 2010-09-15

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[11] **2,752,386**  
[13] C

[51] **Int.Cl. F24H 9/00 (2006.01) F24D 17/00 (2006.01) F24D 19/00 (2006.01)**

[25] EN

[54] **SUBMETERING HYDROCARBON FUELED WATER HEATERS WITH ENERGY MANAGER SYSTEMS**

[54] **CHAUFFE-EAU ALIMENTE A L'HYDROCARBURE A UTILISATION DE COMPTEUR DIVISIONNAIRE AVEC SYSTEMES GESTIONNAIRES D'ENERGIE**

[72] BESORE, JOHN K., US  
[72] BEYERLE, MICHAEL THOMAS, US  
[72] WORTHINGTON, TIMOTHY DALE, US  
[72] BRIAN, JOSEPH MARK, US  
[73] HAIER US APPLIANCE SOLUTIONS, INC., US  
[86] (2752386)  
[87] (2752386)  
[22] 2011-09-15  
[30] US (12/882,383) 2010-09-15

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[11] **2,752,472**  
[13] C

[51] **Int.Cl. E01H 4/02 (2006.01) B66D 1/38 (2006.01) B66D 1/48 (2006.01)**

[25] EN

[54] **SNOWGROOMER COMPRISING A WINCH ASSEMBLY TO AID HANDLING OF THE SNOWGROOMER ON STEEP SLOPES; AND METHOD OF OPERATING THE WINCH ASSEMBLY**

[54] **DAMEUSE COMPORTANT UN TREUIL POUR AMELIORER LA MANOEUVRABILITE DE LA DAMEUSE SUR LES PENTES RAIDES ET PROCEDE D'EXPLOITATION DU TREUIL**

[72] RUNGALDIER, MARTIN, IT  
[73] PRINOTH S.P.A., IT  
[85] 2011-08-12  
[86] 2010-02-17 (PCT/IB2010/000299)  
[87] (WO2010/095016)  
[30] IT (MI2009A000215) 2009-02-18

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[11] **2,752,601**  
[13] C

[51] **Int.Cl. H02M 1/08 (2006.01)**

[25] FR

[54] **REGULATED POWER SYSTEM WITH DYNAMIC HIGH INPUT VOLTAGE**

[54] **SYSTEME D'ALIMENTATION REGULEE A GRANDE DYNAMIQUE D'ENTREE DE TENSION**

[72] KLEIN, FRANCOIS, FR  
[72] TAURAND, CHRISTOPHE, FR  
[73] THALES, FR  
[86] (2752601)  
[87] (2752601)  
[22] 2011-09-14  
[30] FR (10 03688) 2010-09-16

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[11] **2,752,846**  
[13] C

[51] **Int.Cl. B60C 5/00 (2006.01) B60C 9/00 (2006.01)**

[25] EN

[54] **HEAVY DUTY TIRE**

[54] **PNEU POIDS LOURD**

[72] VENKATARAMANI, GAYATHRI, US  
[72] WELLS, DALE EUGENE, US  
[73] THE GOODYEAR TIRE & RUBBER COMPANY, US  
[86] (2752846)  
[87] (2752846)  
[22] 2011-09-19  
[30] US (12/886,900) 2010-09-21

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[11] **2,752,966**  
[13] C

[51] **Int.Cl. B64C 25/26 (2006.01) E05B 77/00 (2014.01) E05B 83/00 (2014.01) B64C 25/28 (2006.01) F16B 1/02 (2006.01) G05G 5/00 (2006.01)**

[25] EN

[54] **LOCKING SYSTEM AND SWITCHING APPARATUS FOR A LOCKING SYSTEM**

[54] **SYSTEME DE VERROUILLAGE ET APPAREIL DE COMMUTATION CONNEXE**

[72] WOLF, KLAUS, DE  
[72] EFFINGER, MARKUS, DE  
[72] KAPS, STEPHAN, DE  
[73] LIEBHERR-AEROSPACE LINDENBERG GMBH, DE  
[86] (2752966)  
[87] (2752966)  
[22] 2011-09-22  
[30] DE (10 2010 046 735.9) 2010-09-28

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[11] **2,753,886**  
[13] C

[51] **Int.Cl. G01N 33/48 (2006.01) B81B 7/02 (2006.01) C12M 1/34 (2006.01) C12Q 1/00 (2006.01)**

[25] EN

[54] **DIAGNOSTIC DEVICES AND METHODS OF USE**

[54] **DISPOSITIFS DIAGNOSTIQUES ET PROCEDES D'UTILISATION**

[72] VALLA, JON E., US  
[73] DIGNITY HEALTH, US  
[85] 2011-08-29  
[86] 2010-03-02 (PCT/US2010/025964)  
[87] (WO2010/101950)  
[30] US (61/156,717) 2009-03-02  
[30] US (61/156,734) 2009-03-02

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[11] **2,754,289**  
[13] C

[51] **Int.Cl. F16L 47/26 (2006.01) F16L 39/00 (2006.01)**  
[25] EN  
[54] **IMPROVED COUPLINGS**  
[54] **RACCORDS AMELIORES**  
[72] BOUDRY, JOHN ALEXANDRE, GB  
[72] AGEHEIM, JAN, GB  
[73] FRANKLIN FUELING SYSTEMS LIMITED, GB  
[85] 2011-09-02  
[86] 2010-03-25 (PCT/GB2010/050512)  
[87] (WO2010/109245)  
[30] GB (0905203.6) 2009-03-26  
[30] GB (0908046.6) 2009-05-11  
[30] GB (0921382.8) 2009-12-07

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[11] **2,754,333**  
[13] C

[51] **Int.Cl. F25D 29/00 (2006.01) B67D 7/80 (2010.01) B01D 35/02 (2006.01) B67D 1/08 (2006.01) F25D 23/12 (2006.01)**  
[25] EN  
[54] **APPARATUS AND METHOD FOR IDENTIFYING A FILTER ASSEMBLY**  
[54] **APPAREIL ET METHODE PERMETTANT D'IDENTIFIER UN ENSEMBLE FILTRANT**  
[72] KRAUSE, ANDREW, US  
[72] JANARDHANAM, RAMESH, US  
[72] ROOT, STEVEN, US  
[72] HAMAD, ABDEL, US  
[73] HAIER US APPLIANCE SOLUTIONS, INC., US  
[86] (2754333)  
[87] (2754333)  
[22] 2011-10-06  
[30] US (12/903,310) 2010-10-13

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[11] **2,754,844**  
[13] C

[51] **Int.Cl. A61F 2/54 (2006.01)**  
[25] EN  
[54] **MECHANICAL PROSTHETIC FINGER DEVICE**  
[54] **PROTHESE DE DOIGT MECANIQUE**  
[72] MACDUFF, CHARLES COLIN, US  
[73] MACDUFF, CHARLES COLIN, US  
[86] (2754844)  
[87] (2754844)  
[22] 2011-10-13  
[30] US (13/183,005) 2011-07-14

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[11] **2,755,667**  
[13] C

[51] **Int.Cl. C12N 15/31 (2006.01) C12N 15/113 (2010.01) C07K 14/405 (2006.01) C12N 15/79 (2006.01) C12N 15/87 (2006.01) C12P 15/00 (2006.01) C12P 21/02 (2006.01) C12N 1/13 (2006.01) C12N 1/15 (2006.01)**  
[25] EN  
[54] **PROTEIN PRODUCTION IN MICROORGANISMS OF THE PHYLUM LABYRINTHULOMYCOTA**  
[54] **PRODUCTION DE PROTEINES DANS DES MICRO-ORGANISMES DE PHYLUM LABYRINTHULOMYCOTA**  
[72] APT, KIRK E., US  
[72] LIPPMEIER, JAMES CASEY, US  
[72] SIMPSON, DAVID, US  
[72] WANG, JUN, US  
[72] WYNN, JAMES P., US  
[72] ZIRKLE, ROSS, US  
[73] DSM IP ASSETS B.V., NL  
[85] 2011-09-15  
[86] 2010-03-15 (PCT/US2010/027352)  
[87] (WO2010/107709)  
[30] US (61/160,618) 2009-03-16  
[30] US (61/290,441) 2009-12-28

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[11] **2,755,846**  
[13] C

[51] **Int.Cl. A47K 3/02 (2006.01) A61H 33/00 (2006.01) B29C 51/14 (2006.01) B65B 5/06 (2006.01)**  
[25] EN  
[54] **BATHTUB FORMED OF INTERCONNECTED SHELLS AND METHOD OF COMMERCIALIZATION**  
[54] **BAIGNOIRE FORMEE DE COQUILLES INTERCONNECTEES ET METHODE DE COMMERCIALISATION**  
[72] BRUNELLE, HENRY, CA  
[73] GESTION ULTRA INTERNATIONALE INC., CA  
[86] (2755846)  
[87] (2755846)  
[22] 2011-10-19

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[11] **2,755,906**  
[13] C

[51] **Int.Cl. A23L 27/20 (2016.01) A23L 27/00 (2016.01) A23L 27/22 (2016.01) A23L 27/24 (2016.01) C12P 19/32 (2006.01)**  
[25] EN  
[54] **A NATURAL TASTE ENHANCING SAVOURY BASE AND A PROCESS FOR ITS PREPARATION**  
[54] **BASE DE SAVEUR DE RENFORCEMENT DE GOUT NATUREL ET PROCEDE POUR SA PREPARATION**  
[72] PALZER, STEPHAN, CH  
[72] NIKOLIC, DAVID, DE  
[72] BERENDS, PIETER, DE  
[72] HO, DAC THANG, CH  
[72] FLEURY REY, YVETTE, CH  
[72] ULMER, HELGE, DE  
[72] SCHOPP, SILKE, DE  
[72] APPEL, DANIEL SEBASTIAN, DE  
[72] RAAB, THOMAS, CH  
[73] NESTEC S.A., CH  
[85] 2011-09-19  
[86] 2010-03-23 (PCT/EP2010/053735)  
[87] (WO2010/108901)  
[30] EP (PCT/EP2009/053530) 2009-03-25

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[11] **2,756,435**  
[13] C

[51] **Int.Cl. H02J 3/06 (2006.01)**  
[25] EN  
[54] **AUTOMATIC TRANSFER SWITCH RESPONSIVE TO SERIAL COMMUNICATION MESSAGE AND POWER SYSTEM INCLUDING THE SAME**  
[54] **COMMUTATEUR DE TRANSFERT AUTOMATIQUE SENSIBLE A UNE SERIE DE MESSAGE DE COMMUNICATION ET SYSTEME D'ENERGIE Y FAISANT APPEL**  
[72] LATHROP, TODD M., US  
[72] LAL, DHANANJAY, US  
[73] EATON CORPORATION, US  
[86] (2756435)  
[87] (2756435)  
[22] 2011-10-28  
[30] US (12/915,265) 2010-10-29

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[11] **2,757,326**  
[13] C

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **IMIDAZO [1,2-A]PYRIDINE DERIVATIVES AS FGFR KINASE INHIBITORS FOR USE IN THERAPY**

[54] **DERIVES D'IMIDAZO[1,2-A]PYRIDINE EN TANT QU'INHIBITEURS DE FGFR KINASES DESTINES A ETRE UTILISES EN THERAPEUTIQUE**

[72] SAXTY, GORDON, GB

[72] BERDINI, VALERIO, GB

[72] MURRAY, CHRISTOPHER WILLIAM, GB

[72] FREYNE, EDDY JEAN EDGARD, BE

[72] LIGNY, YANNICK AIME EDDY, FR

[72] BONNET, PASCAL GHISLAIN ANDRE, BE

[72] WROBLOWSKI, BERTHOLD, BE

[72] PAPANIKOS, ALEXANDRA, BE

[73] ASTEX THERAPEUTICS LIMITED, GB

[85] 2011-09-30

[86] 2010-04-15 (PCT/GB2010/050618)

[87] (WO2010/119285)

[30] GB (0906470.0) 2009-04-15

[30] US (61/169,503) 2009-04-15

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[11] **2,757,529**  
[13] C

[51] **Int.Cl. B60K 15/03 (2006.01) B29C 49/20 (2006.01) B60K 15/035 (2006.01)**

[25] EN

[54] **PLASTIC FUEL TANK WITH IMPROVED CREEP RESISTANCE AND METHOD FOR THE MANUFACTURE THEREOF**

[54] **RESERVOIR DE CARBURANT EN PLASTIQUE AVEC RESISTANCE AU FLUAGE AMELIOREE ET PROCEDE POUR LA FABRICATION DE CELUI-CI**

[72] CRIEL, BJORN, BE

[72] CUVELIER, VINCENT, BE

[73] INERGY AUTOMOTIVE SYSTEMS RESEARCH (SOCIETE ANONYME), BE

[85] 2011-10-03

[86] 2010-04-21 (PCT/EP2010/055287)

[87] (WO2010/122065)

[30] FR (0952651) 2009-04-23

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[11] **2,757,758**  
[13] C

[51] **Int.Cl. H04L 12/26 (2006.01) H04W 4/06 (2009.01) H04W 4/12 (2009.01) H04W 8/22 (2009.01) H04W 80/00 (2009.01) H04L 12/16 (2006.01) H04L 12/58 (2006.01) H04L 29/06 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR ESTABLISHING A PRESENCE CONTEXT WITHIN A PRESENCE PLATFORM**

[54] **PROCEDE ET SYSTEME PERMETTANT D'ETABLIR UN CONTEXTE DE PRESENCE DANS UNE PLATE-FORME DE PRESENCE**

[72] MCCOLGAN, BRIAN EDWARD ANTHONY, CA

[72] MARTIN-COCHER, GAELLE CHRISTINE, CA

[73] BLACKBERRY LIMITED, CA

[85] 2011-10-03

[86] 2010-03-31 (PCT/CA2010/000488)

[87] (WO2010/115270)

[30] EP (09157778.3) 2009-04-09

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[11] **2,757,841**  
[13] C

[51] **Int.Cl. A61M 1/00 (2006.01) A61F 13/00 (2006.01) A61F 13/02 (2006.01) A61M 27/00 (2006.01)**

[25] EN

[54] **METHODS AND DEVICES FOR APPLYING CLOSED INCISION NEGATIVE PRESSURE WOUND THERAPY**

[54] **PROCEDES ET DISPOSITIFS POUR L'APPLICATION D'UN TRAITEMENT PAR PRESSION NEGATIVE SUR DES PLAIES D'INCISION FERMEES**

[72] HU, DEAN, US

[72] FONG, KENTON, US

[72] PINTO, MOSHE, US

[72] WU, KENNETH, US

[72] MCGREEVY, CRAIG, US

[72] DONOHUE, BRENDAN, US

[73] KCI LICENSING, INC., US

[85] 2011-10-05

[86] 2010-04-09 (PCT/US2010/030536)

[87] (WO2010/118316)

[30] US (61/168,507) 2009-04-10

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[11] **2,757,997**  
[13] C

[51] **Int.Cl. H04B 7/26 (2006.01) H03J 5/24 (2006.01) H04B 1/26 (2006.01) H04B 1/66 (2006.01) H04B 7/08 (2006.01) H04J 3/00 (2006.01) H04R 3/00 (2006.01)**

[25] EN

[54] **HIGH DENSITY WIRELESS SYSTEM**

[54] **SYSTEME SANS FIL A HAUTE DENSITE**

[72] GREEN, ROBERT, US

[72] IGARASHI, MASAHIKO, US

[72] KIKUTANI, TADASHI, US

[72] NAITO, YOSHIHIKO, US

[73] AUDIO TECHNICA U.S., INC., US

[86] (2757997)

[87] (2757997)

[22] 2011-11-14

[30] US (61/414,124) 2010-11-16

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[11] **2,758,069**  
[13] C

[51] **Int.Cl. G06F 17/30 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR RANKING SEARCH RESULTS WITHIN CITATION INTENSIVE DOCUMENT COLLECTIONS**

[54] **SYSTEME ET PROCEDE POUR CLASSER DES RESULTATS DE RECHERCHE A L'INTERIEUR DE COLLECTIONS DE DOCUMENTS INTENSIFS EN CITATION**

[72] ZHANG, LING QIN, US

[72] SILVER, HARRY R., US

[73] LEXISNEXIS, US

[85] 2011-10-06

[86] 2010-03-30 (PCT/US2010/029168)

[87] (WO2010/120493)

[30] US (12/385,668) 2009-04-15

**Canadian Patents Issued  
June 12, 2018**

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[11] **2,758,396**  
[13] C

[51] **Int.Cl. C12N 9/42 (2006.01) C11D  
3/386 (2006.01) C12N 15/56 (2006.01)  
C12N 15/80 (2006.01)**

[25] EN

[54] **CARBOHYDRATE DEGRADING  
POLYPEPTIDE AND USES  
THEREOF**

[54] **POLYPEPTIDE DEGRADANT LES  
HYDRATES DE CARBONE ET SES  
UTILISATIONS**

[72] SAGT, CORNELIS MARIA  
JACOBUS, NL

[72] SCHOONEVELD-BERGMANS,  
MARGOT ELISABETH FRANCOISE,  
NL

[72] ROUBOS, JOHANNES ANDRIES, NL

[72] LOS, ALRIK PIETER, NL

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

[85] 2011-10-12

[86] 2010-04-23 (PCT/EP2010/055427)

[87] (WO2010/122141)

[30] EP (09158739.4) 2009-04-24

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[11] **2,758,408**  
[13] C

[51] **Int.Cl. A01F 25/12 (2006.01)**

[25] EN

[54] **PERFORATED AIR-DUCT FOR  
GRAINS DRYING TOWER**

[54] **CONDUIT D'AIR PERFORE  
DESTINE A UNE TOUR DE  
SECHAGE DU GRAIN**

[72] PACHECO DA CUNHA, OTALICIO,  
BR

[73] PACHECO DA CUNHA, OTALICIO,  
BR

[85] 2011-10-12

[86] 2010-04-15 (PCT/BR2010/000130)

[87] (WO2010/118496)

[30] BR (PI0901256-7) 2009-04-16

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[11] **2,758,797**  
[13] C

[51] **Int.Cl. B64D 45/02 (2006.01)**

[25] EN

[54] **LIGHTNING PROTECTION  
SHEET WITH PATTERNED  
CONDUCTOR**

[54] **FEUILLE DE PROTECTION  
CONTRE LA FOUDRE AVEC  
CONDUCTEUR TEXTURE**

[72] HEBERT, LARRY S., US

[73] 3M INNOVATIVE PROPERTIES  
COMPANY, US

[85] 2011-10-13

[86] 2010-04-15 (PCT/US2010/031263)

[87] (WO2010/121044)

[30] US (61/170,352) 2009-04-17

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[11] **2,758,902**  
[13] C

[51] **Int.Cl. B65H 75/10 (2006.01) A47K  
10/16 (2006.01)**

[25] EN

[54] **CORE FOR A PRODUCT IN SHEET  
FORM WOUND AROUND THIS  
CORE, AND ROLL FORMED  
WITH SUCH A CORE**

[54] **MANDRIN POUR PRODUIT EN  
FORME DE FEUILLE ENROULE  
AUTOUR DE CE NOYAU, ET  
ROULEAU CONSTITUE D'UN TEL  
MANDRIN**

[72] BRENDLE, DAMIEN, FR

[72] HOEFT, BENOIT, FR

[72] LAURENT, PIERRE, FR

[72] SIGWALT, RENE, FR

[72] RUPPEL, REMY, FR

[73] GEORGIA-PACIFIC FRANCE, FR

[85] 2011-10-14

[86] 2011-02-01 (PCT/IB2011/000164)

[87] (WO2011/092590)

[30] FR (10 50696) 2010-02-01

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[11] **2,759,373**  
[13] C

[51] **Int.Cl. C12N 9/26 (2006.01) C07K  
14/315 (2006.01)**

[25] EN

[54] **EXTRACELLULAR  
HYALURONIDASE FROM  
STREPTOMYCES KOGANEIENSIS**

[54] **HYALURONIDASE  
EXTRACELLULAIRE  
PROVENANT DE  
STREPTOMYCES KOGANEIENSIS**

[72] MESSINA, LUCIANO, IT

[72] VACCARO, SUSANNA, IT

[72] CARUSO, SALVATORE, IT

[72] GENNARI, GIOVANNI, IT

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

[85] 2011-10-20

[86] 2010-05-12 (PCT/EP2010/056596)

[87] (WO2010/130810)

[30] IT (MI2009A000831) 2009-05-14

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[11] **2,759,467**  
[13] C

[51] **Int.Cl. H05H 13/00 (2006.01)**

[25] EN

[54] **ISOTOPE PRODUCTION SYSTEM  
AND CYCLOTRON**

[54] **SYSTEME DE PRODUCTION  
D'ISOTOPE ET CYCLOTRON**

[72] NORLING, JONAS, SE

[72] ERIKSSON, TOMAS, SE

[73] GENERAL ELECTRIC COMPANY,  
US

[85] 2011-10-20

[86] 2010-03-22 (PCT/US2010/028090)

[87] (WO2010/129100)

[30] US (12/435,903) 2009-05-05

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[11] **2,759,815**  
[13] C

[51] **Int.Cl. A61K 45/06 (2006.01) A61P  
19/10 (2006.01) A61P 21/06 (2006.01)  
A61P 43/00 (2006.01)**

[25] EN

[54] **METHOD OF TREATING  
FRAILTY**

[54] **PROCEDE DE TRAITEMENT DE  
FRAGILITE**

[72] PRINS, MARJANNA, NL

[72] KLOOSTERBOER, HELENIUS JAN,  
NL

[73] ORGANEXT RESEARCH B.V., NL

[85] 2011-10-21

[86] 2010-08-23 (PCT/NL2010/050524)

[87] (WO2011/025368)

[30] EP (09168522.2) 2009-08-24



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[11] **2,760,976**  
[13] C

[51] **Int.Cl. H04W 4/12 (2009.01) G06F 3/0484 (2013.01) G06F 3/0488 (2013.01)**

[25] EN

[54] **MOBILE COMMUNICATIONS DEVICE USER INTERFACE**

[54] **INTERFACE D'UTILISATEUR DE DISPOSITIF DE COMMUNICATIONS MOBILES**

[72] FRIEDMAN, JONATHAN D., US

[72] KRUZENISKI, MICHAEL J., US

[72] WILSON, BRIAN M., US

[72] SMUGA, MICHAEL A., US

[72] APFEL, DARREN A., US

[72] HOFFMAN, NELL H., US

[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US

[85] 2011-11-03

[86] 2010-06-15 (PCT/US2010/038730)

[87] (WO2010/148030)

[30] US (12/484,799) 2009-06-15

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[11] **2,760,991**  
[13] C

[51] **Int.Cl. B63B 25/00 (2006.01) B63B 27/30 (2006.01) B63B 35/44 (2006.01)**

[25] EN

[54] **ARRANGEMENT AND METHOD FOR TRANSPORTING A WIND TURBINE ROTOR**

[54] **DISPOSITIF ET PROCEDE POUR LE TRANSPORT D'UN ROTOR D'EOLIENNE**

[72] LYNDERUP, HENRIK FOMSGAARD, DK

[73] SIEMENS AKTIENGESELLSCHAFT, DE

[86] (2760991)

[87] (2760991)

[22] 2011-12-06

[30] EP (10194166) 2010-12-08

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[11] **2,760,996**  
[13] C

[51] **Int.Cl. G06Q 10/08 (2012.01) G06K 19/07 (2006.01)**

[25] EN

[54] **INVENTORY CONTROL SYSTEM FOR PORTABLE CONTAINERS**

[54] **SYSTEME DE VERIFICATION D'INVENTAIRE DESTINE A DES CONTENEURS PORTATIFS**

[72] RAMOS ELIZONDO, RAFAEL GUILLERMO, MX

[72] TERAN MATUS, JOSE ADALBERTO, MX

[73] RFID MEXICO S.A. DE C.V., MX

[85] 2011-11-03

[86] 2010-04-05 (PCT/MX2010/000031)

[87] (WO2010/114351)

[30] US (12/416,315) 2009-04-01

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[11] **2,761,078**  
[13] C

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

[25] EN

[54] **METHOD FOR MEASUREMENT OF EQUOL IN BIOLOGICAL SAMPLE BY IMMUNOASSAY, KIT FOR THE MEASUREMENT, AND METHOD FOR DETERMINATION OF EQUOL PRODUCTION ABILITY OF SUBJECT**

[54] **PROCEDE DE MESURE D'EQUOL DANS UN ECHANTILLON BIOLOGIQUE PAR IMMUNO-ESSAI, NECESSAIRE POUR LA MESURE, ET PROCEDE DE DETERMINATION DE CAPACITE DE PRODUCTION D'EQUOL D'UN SUJET**

[72] MINEKAWA, TAKAYUKI, JP

[72] SHINDOME, KUMIKO, JP

[72] ABE, KATSUSHI, JP

[72] OKUMA, HIROSHI, JP

[72] ANDO, CHIEKO, JP

[72] ABIRU, YASUHIRO, JP

[73] EIKEN KAGAKU KABUSHIKI KAISHA, JP

[85] 2011-11-04

[86] 2010-05-11 (PCT/JP2010/057974)

[87] (WO2010/131660)

[30] JP (2009-114572) 2009-05-11

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[11] **2,761,180**  
[13] C

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

[25] EN

[54] **PROCESSING SHIPMENT STATUS EVENTS**

[54] **TRAITEMENT D'ETATS D'EXPEDITION**

[72] TEMPLETON, WILLIAM P., US

[72] WENNEMAN, M. CHRISTOPHER, US

[72] PEW, BENJAMIN ELLIOTT, US

[72] LUCAS, JACOB FRANK, US

[72] BUNDY, MICHAEL E., US

[72] SEIFERT, MICHAEL THOMAS, US

[72] KJELSTRUP, JACOB A., US

[73] AMAZON TECHNOLOGIES, INC., US

[85] 2011-11-04

[86] 2010-06-18 (PCT/US2010/039256)

[87] (WO2010/148355)

[30] US (12/486,902) 2009-06-18

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[11] **2,761,194**  
[13] C

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

[25] EN

[54] **GENERIC ASSAYS FOR DETECTION OF INFLUENZA VIRUSES**

[54] **DOSAGES GENERIQUES DE DETECTION DES VIRUS DE LA GRIPPE**

[72] ROTH, BERNHARD, DE

[73] SEQIRUS UK LIMITED, GB

[85] 2011-11-04

[86] 2010-05-10 (PCT/IB2010/001158)

[87] (WO2010/128396)

[30] US (61/215,704) 2009-05-08

[30] US (61/217,045) 2009-05-26

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June 12, 2018

[11] **2,761,339**  
[13] C

[51] **Int.Cl. H01H 9/34 (2006.01) H01F 7/02 (2006.01)**  
[25] EN  
[54] **SINGLE DIRECT CURRENT ARC CHAMBER, AND BI-DIRECTIONAL DIRECT CURRENT ELECTRICAL SWITCHING APPARATUS EMPLOYING THE SAME**  
[54] **CHAMBRE A ARC MONOBLOC A COURANT CONTINU ET APPAREIL DE COMMUTATION ELECTRIQUE BIDIRECTIONNELLE A COURANT CONTINU AINSI EQUIPE**  
[72] ZHOU, XIN, US  
[72] JUDDS, MARK A., US  
[72] KODELA, NARESH K., IN  
[72] BEATTY, WILLIAM E., JR., US  
[73] EATON CORPORATION, US  
[86] (2761339)  
[87] (2761339)  
[22] 2011-12-08  
[30] US (12/962,711) 2010-12-08

[11] **2,761,455**  
[13] C

[51] **Int.Cl. A61K 47/40 (2006.01) A61K 31/4365 (2006.01) C08L 5/16 (2006.01)**  
[25] EN  
[54] **PHARMACEUTICAL COMPOSITIONS COMPRISING PRASUGREL AND CYCLODEXTRIN DERIVATIVES AND METHODS OF MAKING AND USING THE SAME**  
[54] **COMPOSITIONS PHARMACEUTIQUES COMPRENANT DES DERIVES DE PRASUGREL ET DE CYCLODEXTRINE, LEURS PROCEDES DE PREPARATION ET METHODES D'UTILISATION**  
[72] MOSHER, GEROLD, US  
[72] MACHATHA, STEPHEN G., US  
[72] CUSHING, DANIEL J., US  
[73] CYDEX PHARMACEUTICALS, INC., US  
[85] 2011-11-08  
[86] 2010-05-13 (PCT/US2010/034800)  
[87] (WO2010/132711)  
[30] US (61/177,718) 2009-05-13

[11] **2,761,471**  
[13] C

[51] **Int.Cl. C07K 7/50 (2006.01)**  
[25] EN  
[54] **BIOLOGICALLY PRODUCED CYCLIC AFFINITY TAGS.**  
[54] **MARQUEURS D'AFFINITE CYCLIQUES PRODUITS BIOLOGIQUEMENT.**  
[72] BOSMA, TJIBBE, NL  
[72] KUIPERS, ANNEKE, NL  
[72] RINK, RICK, NL  
[72] MOLL, GERT NIKOLAAS, NL  
[73] LANTHIOPEP B.V., NL  
[85] 2011-11-08  
[86] 2010-06-23 (PCT/NL2010/050389)  
[87] (WO2010/151126)  
[30] EP (09163581.3) 2009-06-24

[11] **2,761,917**  
[13] C

[51] **Int.Cl. A61K 39/39 (2006.01) A61K 9/127 (2006.01) A61K 39/095 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01)**  
[25] FR  
[54] **METHOD FOR DETOXIFICATION OF LIPOPOLYSACCHARIDE (LPS) OR OF LIPID A OF GRAM-NEGATIVE BACTERIA**  
[54] **PROCEDE DE DETOXIFICATION DU LIPOPOLYSACCHARIDE (LPS) OU DU LIPIDE A DES BACTERIES A GRAM-NEGATIF**  
[72] HAENSLER, JEAN, FR  
[72] DALENCON, FRANCOIS, FR  
[72] MOREAU, MONIQUE, FR  
[72] MISTRETTA, NOELLE, FR  
[73] SANOFI PASTEUR, FR  
[85] 2011-11-14  
[86] 2010-05-12 (PCT/FR2010/000366)  
[87] (WO2010/130897)  
[30] FR (0902331) 2009-05-14  
[30] US (61/271,985) 2009-07-29

[11] **2,762,416**  
[13] C

[51] **Int.Cl. E21B 43/26 (2006.01)**  
[25] EN  
[54] **HIGH PRESSURE HYDROCARBON FRACTURING ON DEMAND METHOD AND RELATED PROCESS**  
[54] **METHODE HAUTE PRESSION DE FRACTURATION D'HYDROCARBURES A LA DEMANDE ET PROCEDE CONNEXE**  
[72] PETTIGREW, DANA, CA  
[73] NEXEN ENERGY ULC, CA  
[86] (2762416)  
[87] (2762416)  
[22] 2011-12-16  
[30] US (61/426,123) 2010-12-22  
[30] US (61/434,167) 2011-01-19  
[30] US (61/434,171) 2011-01-19

[11] **2,762,916**  
[13] C

[51] **Int.Cl. A61K 31/655 (2006.01) A61P 7/00 (2006.01) A61P 7/04 (2006.01) C07D 231/46 (2006.01) C07D 405/12 (2006.01) C07D 409/12 (2006.01)**  
[25] EN  
[54] **SALTS OF BICYCLO-SUBSTITUTED PYRAZOLON AZO DERIVATIVES, PREPARATION METHOD AND USE THEREOF**  
[54] **SELS DE DERIVES AZOIQUES DE PYRAZOLONE SUBSTITUEE PAR UN SUBSTITUANT BICYCLIQUE, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION**  
[72] TANG, PENG CHO, CN  
[72] LUE, HEJUN, CN  
[72] FEI, HONGBO, CN  
[72] CHEN, YIQIAN, CN  
[73] JIANGSU HENGRUI MEDICINE CO., LTD., CN  
[73] SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD., CN  
[85] 2011-11-21  
[86] 2010-05-28 (PCT/CN2010/000760)  
[87] (WO2010/142137)  
[30] CN (200910052946.1) 2009-06-11

**Brevets canadiens délivrés  
12 juin 2018**

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[11] **2,763,424**  
[13] C

[51] **Int.Cl. C12N 15/00 (2006.01) C12N 1/19 (2006.01) C12N 15/54 (2006.01) C12N 15/80 (2006.01) C12P 7/64 (2006.01) C12N 9/10 (2006.01)**

[25] EN

[54] **IMPROVEMENT OF LONG CHAIN OMEGA-3 AND OMEGA-6 POLYUNSATURATED FATTY ACID BIOSYNTHESIS BY EXPRESSION OF ACYL-COA LYSOPHOSPHOLIPID ACYLTRANSFERASES**

[54] **AMELIORATION DE LA BIOSYNTHESE D'ACIDE GRAS OMEGA-3 ET OMEGA-6 POLYINSATURE A CHAINE LONGUE PAR L'EXPRESSION D'ACYL-COA LYSOPHOSPHOLIPIDE ACYLTRANSFERASE**

[72] YADAV, NARENDRA S., US

[72] ZHANG, HONGXIANG, US

[72] ZHU, QUN, US

[73] E.I. DU PONT DE NEMOURS AND COMPANY, US

[85] 2011-11-24

[86] 2010-06-14 (PCT/US2010/038527)

[87] (WO2010/147900)

[30] US (61/187,359) 2009-06-16

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[11] **2,764,454**  
[13] C

[51] **Int.Cl. C07K 14/785 (2006.01) A61K 38/00 (2006.01)**

[25] EN

[54] **IMPROVED RECONSTITUTED SURFACTANT COMPOSITION CONTAINING ANALOGS OF SURFACTANT PROTEIN B (SP-B) AND SURFACTANT PROTEIN C (SP-C)**

[54] **COMPOSITION DE SURFACTANT RECONSTITUE AMELIOREE CONTENANT DES ANALOGUES DE LA PROTEINE B DU SURFACTANT (SP-B) ET DE LA PROTEINE C DU SURFACTANT (SP-C)**

[72] PIVETTI, FAUSTO, IT

[72] BOCCHI, MONICA, IT

[72] SOLIANI RASCHINI, ANNAMARIA, IT

[73] CHIESI FARMACEUTICI S.P.A., IT

[85] 2011-12-02

[86] 2010-05-31 (PCT/EP2010/003293)

[87] (WO2010/139442)

[30] EP (09162052.6) 2009-06-05

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[11] **2,765,041**  
[13] C

[51] **Int.Cl. F24F 11/47 (2018.01) F24F 11/63 (2018.01) F24F 11/84 (2018.01) F24D 19/10 (2006.01) F25B 49/00 (2006.01) H02P 27/04 (2016.01) H02M 7/00 (2006.01)**

[25] EN

[54] **HVAC/R SYSTEM WITH MULTIPLE POWER SOURCES AND TIME-BASED SELECTION LOGIC**

[54] **SYSTEME DE CVCA/R MUNI DE MULTIPLES SOURCES D'ALIMENTATION ET D'UNE LOGIQUE DE SELECTION FONDEE SUR L'HEURE ACTUELLE**

[72] ROCKENFELLER, UWE, US

[72] SARKISIAN, PAUL, US

[72] KHALILI, KAVEH, US

[72] HARHAY, WARREN, US

[73] ROCKY RESEARCH, US

[86] (2765041)

[87] (2765041)

[22] 2012-01-23

[30] US (13/012,456) 2011-01-24

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[11] **2,765,223**  
[13] C

[51] **Int.Cl. E04C 2/26 (2006.01) E04C 2/38 (2006.01)**

[25] FR

[54] **METHOD FOR PRODUCING A BUILDING HAVING A PREFABRICATED WOOD FRAMEWORK, AND RESULTING BUILDING**

[54] **PROCEDE POUR LA REALISATION D'UN BATIMENT A OSSATURE BOIS PREFABRIQUE ET BATIMENT AINSI OBTENU**

[72] LITAIZE, PIERRE-EMMANUEL, FR

[73] ELMERE, FR

[85] 2011-12-12

[86] 2010-08-24 (PCT/FR2010/051766)

[87] (WO2011/039439)

[30] FR (0956729) 2009-09-29

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[11] **2,765,367**  
[13] C

[51] **Int.Cl. C02F 1/44 (2006.01)**

[25] EN

[54] **CLOSED CIRCUIT DESALINATION RETROFIT FOR IMPROVED PERFORMANCE OF COMMON REVERSE OSMOSIS SYSTEMS**

[54] **REINSTALLATION DE DESSALEMENT EN CIRCUIT FERME POUR PERFORMANCES AMELIOREES DE SYSTEMES A OSMOSE INVERSE COURANTS**

[72] EFRATY, AVI, IL

[73] DESALITECH LTD., IL

[85] 2011-12-13

[86] 2010-07-05 (PCT/IL2010/000537)

[87] (WO2011/004364)

[30] IL (199700) 2009-07-05

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[11] **2,765,719**  
[13] C

[51] **Int.Cl. E21B 47/024 (2006.01)**

[25] EN

[54] **TWO COIL GUIDANCE SYSTEM FOR TRACKING BOREHOLES**

[54] **SYSTEME DE GUIDAGE A DEUX BOBINES POUR SUIVRE DES TROUS DE FORAGE**

[72] KUCKES, ARTHUR, US

[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2011-12-15

[86] 2010-03-31 (PCT/US2010/029328)

[87] (WO2010/114872)

[30] US (61/166,443) 2009-04-03

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[11] **2,766,112**  
[13] C

[51] **Int.Cl. B65H 21/00 (2006.01) B31B 50/72 (2017.01)**

[25] EN

[54] **STRIP SPLICING**

[54] **RACCORDEMENT DE BANDE**

[72] LARSSON, INGEMAR, SE

[73] TETRA LAVAL HOLDINGS & FINANCE S.A., CH

[85] 2011-12-20

[86] 2010-05-25 (PCT/SE2010/000141)

[87] (WO2010/151200)

[30] SE (0900861-6) 2009-06-24

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June 12, 2018

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[11] **2,766,461**  
[13] C  
[51] **Int.Cl. G02B 27/10 (2006.01) G01B 9/02 (2006.01) G01J 1/04 (2006.01)**  
[25] EN  
[54] **BEAMSPLITTER CONFIGURATION FOR OPTICAL SUBTRACTION OF SELF EMISSION WITH FOURIER TRANSFORM SPECTROMETER IN DUAL INPUT PORT MODE**  
[54] **AGENCEMENT SEPARATEUR DE FAISCEAUX POUR LA SOUSTRACTION OPTIQUE DE L'AUTO-EMISSION AVEC SPECTROMETRE A TRANSFORMEE DE FOURIER DANS UNE PORTE D'ACCES A DEUX ENTREES**  
[72] BUIJS, HENRY L., CA  
[73] ABB BOMEM INC., CA  
[86] (2766461)  
[87] (2766461)  
[22] 2012-01-31  
[30] US (61/438,506) 2011-02-01

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[11] **2,766,467**  
[13] C  
[51] **Int.Cl. B29C 49/18 (2006.01) B29C 45/72 (2006.01) B29C 49/06 (2006.01) B29C 49/42 (2006.01) B29C 49/64 (2006.01)**  
[25] EN  
[54] **METHOD AND DEVICE FOR PRODUCING PREFORMS WITH SPECIAL GEOMETRIES**  
[54] **PROCEDE ET DISPOSITIF DE PRODUCTION DE PREFORMES D'UNE GEOMETRIE PARTICULIERE**  
[72] BOCK, STEFAN, CH  
[72] SCHEUNEMANN, BRITTA, CH  
[73] NETSTAL-MASCHINEN AG, CH  
[85] 2011-12-22  
[86] 2010-06-14 (PCT/EP2010/058319)  
[87] (WO2010/149522)  
[30] DE (10 2009 030 762.1) 2009-06-27

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[11] **2,766,704**  
[13] C  
[51] **Int.Cl. C12N 9/16 (2006.01) C07K 14/24 (2006.01) C12N 15/55 (2006.01) C12N 15/63 (2006.01) C12P 21/00 (2006.01)**  
[25] FR  
[54] **ENHANCED PHYTASE VARIANTS**  
[54] **VARIANTS AMELIORES D'UNE PHYTASE**  
[72] BLESA, STEPHANE, FR  
[72] CHAUTARD, HELENE, FR  
[72] DELCOURT, MARC, FR  
[72] MESTA, LAURENT, FR  
[72] WINTER, BRUNO, DE  
[73] BIOMETHODES, FR  
[85] 2011-12-23  
[86] 2010-07-01 (PCT/EP2010/059413)  
[87] (WO2011/000933)  
[30] FR (0954490) 2009-07-01

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[11] **2,766,860**  
[13] C  
[51] **Int.Cl. B60K 25/00 (2006.01)**  
[25] EN  
[54] **COLD START VALVE**  
[54] **ELECTROVANNE DE DEMARRAGE A FROID**  
[72] TURNIS, JUSTIN J., US  
[72] MAHRENHOLZ, JOHN R., US  
[73] DEERE & COMPANY, US  
[86] (2766860)  
[87] (2766860)  
[22] 2012-02-01  
[30] US (13/028,845) 2011-02-16

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[11] **2,767,006**  
[13] C  
[51] **Int.Cl. B02C 13/09 (2006.01)**  
[25] EN  
[54] **GRINDER**  
[54] **BROYEUR**  
[72] WATTS, KYLE T., US  
[73] ENERGY CREATES ENERGY LLC, US  
[85] 2011-12-28  
[86] 2010-06-29 (PCT/US2010/040353)  
[87] (WO2011/002752)  
[30] US (12/493,470) 2009-06-29

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[11] **2,767,050**  
[13] C  
[51] **Int.Cl. F16B 13/06 (2006.01) F16B 2/04 (2006.01)**  
[25] EN  
[54] **TAPPED INSERT FOR CYLINDRICAL BORE AND INSTALLATION EQUIPMENT FOR SUCH INSERT**  
[54] **ELEMENT RAPPORTE TARAUDE POUR TROU CYLINDRIQUE ET MATERIEL D'INSTALLATION POUR UN TEL ELEMENT RAPPORTE**  
[72] FABRE, CHRISTIAN, FR  
[72] BIGNOLAIS, ALAIN, FR  
[73] AIRBUS OPERATIONS (S.A.S.), FR  
[85] 2011-12-30  
[86] 2010-07-06 (PCT/EP2010/004074)  
[87] (WO2011/003571)  
[30] FR (0954662) 2009-07-06

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[11] **2,767,176**  
[13] C  
[51] **Int.Cl. B01D 3/00 (2006.01) C01B 33/04 (2006.01)**  
[25] EN  
[54] **METHOD AND SYSTEM FOR PRODUCING MONOSILANE**  
[54] **PROCEDE ET INSTALLATION POUR LA FABRICATION DE MONOSILANE**  
[72] PETRIK, ADOLF, DE  
[72] SCHMID, CHRISTIAN, DE  
[72] HAHN, JOCHEM, DE  
[73] SCHMID SILICON TECHNOLOGY GMBH, DE  
[85] 2012-01-03  
[86] 2010-07-07 (PCT/EP2010/059748)  
[87] (WO2011/003949)  
[30] DE (102009032833.5) 2009-07-08

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[11] **2,767,860**  
[13] C

- [51] **Int.Cl. C07K 14/47 (2006.01) G01N 33/574 (2006.01)**  
[25] EN  
[54] **SERUM MARKERS ASSOCIATED WITH EARLY AND OTHER STAGES OF BREAST CANCER**  
[54] **MARQUEURS DANS LE SERUM ASSOCIES A DES STADES PRECOCES ET A D'AUTRES STADES D'UN CANCER DU SEIN**  
[72] CHANG, FRANK N., US  
[72] DUONG, PHU T., US  
[72] TUSZYNSKI, GEORGE P., US  
[73] TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US  
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[30] US (12/670,343) 2010-01-22

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[54] **REFRIGERATION APPARATUS**  
[54] **APPAREIL DE REFRIGERATION**  
[72] TANSLEY, IAN, GB  
[73] THE SURE CHILL COMPANY LIMITED, GB  
[85] 2012-01-11  
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[30] GB (0912286.2) 2009-07-15  
[30] GB (0916160.5) 2009-09-15

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[54] **FRICTION CLUTCH SYSTEM**  
[54] **SYSTEME D'EMBAYAGE A FRICTION**  
[72] WILSON, PATRICK R., US  
[72] PAYNE, KEVIN C., US  
[72] BATY, WILLIAM F., US  
[73] TNMJ CALIBER, LLC, US  
[86] (2768243)  
[87] (2768243)  
[22] 2012-02-16  
[30] US (13/028,965) 2011-02-16

[11] **2,768,505**  
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[25] EN  
[54] **TRIAZOLOPYRIDINE COMPOUND, AND ACTION THEREOF AS PROLYL HYDROXYLASE INHIBITOR AND ERYTHROPOIETIN PRODUCTION INDUCER**  
[54] **COMPOSE TRIAZOLOPYRIDINE ET SON ACTION COMME INHIBITEUR DE LA PROLYL HYDROXYLASE ET INDUCTEUR D'ERYTHROPOIETINE**  
[72] MITANI, IKUO, JP  
[72] OGOSHI, YOSUKE, JP  
[72] MATSUI, TAKUYA, JP  
[72] YOKOTA, MASAHIRO, JP  
[72] TERASHITA, MASAKAZU, JP  
[72] MOTODA, DAI, JP  
[72] UEYAMA, KAZUHIRO, JP  
[72] ABE, HIROYUKI, JP  
[72] HOTTA, TAKAHIRO, JP  
[72] ITO, TAKASHI, JP  
[73] JAPAN TOBACCO INC., JP  
[85] 2012-01-17  
[86] 2010-07-16 (PCT/JP2010/062037)  
[87] (WO2011/007856)  
[30] JP (2009-169565) 2009-07-17  
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[25] EN  
[54] **MIXTURES OF MESOIONIC PESTICIDES**  
[54] **MELANGES DE PESTICIDES MESO-IONIQUES**  
[72] HOLYOKE, CALEB WILLIAM, JR., US  
[72] ZHANG, WENMING, US  
[72] TONG, MY-HANH THI, US  
[73] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[85] 2012-01-19  
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[30] US (61/231,483) 2009-08-05

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[13] C

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[25] EN  
[54] **HIGH AFFINITY HUMAN ANTIBODIES TO HUMAN ANGIOPOIETIN-2**  
[54] **ANTICORPS HUMAINS D'AFFINITE ELEVEE DIRIGES CONTRE L'ANGIOPOIETINE 2 HUMAINE**  
[72] THURSTON, GAVIN, US  
[72] DALY, CHRISTOPHER, US  
[73] REGENERON PHARMACEUTICALS, INC., US  
[85] 2012-01-26  
[86] 2010-07-27 (PCT/US2010/043295)  
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[30] US (61/229,418) 2009-07-29  
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[25] EN  
[54] **IMPROVED MODULUS, LITHIUM FREE GLASS**  
[54] **VERRE SANS LITHIUM A MODULE AMELIORE**  
[72] HOFMANN, DOUGLAS, US  
[72] MCGINNIS, PETER, US  
[72] WINGERT, JOHN, US  
[72] BERTHEREAU, ANNE, US  
[73] OCV INTELLECTUAL CAPITAL, LLC, US  
[85] 2012-01-27  
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[54] **ENSEMBLE CLAYETTE DE REFRIGERATEUR RETENANT LES DEBORDEMENTS**  
[72] DRIVER, JOHN PATRICK, US  
[72] MCMILLIN, MATTHEW, US  
[72] NALL, BRADLEY M., US  
[73] SSW HOLDING COMPANY, INC., US  
[85] 2012-01-27  
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[54] **DISPOSITIF DE MASSAGE A CHARIOT AVEC DEPLACEMENT PROGRAMMABLE**  
[72] HARRISON-MEYER, ELIZABETH, US  
[72] LEV, MORDECHAI, US  
[73] FKA DISTRIBUTING CO., LLC, US  
[85] 2012-01-30  
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[54] **SURGICAL PREP APPLICATORS**  
[54] **APPLICATEURS DE PREPARATION CHIRURGICALE**  
[72] LAW, BRIAN ROBERT, GB  
[72] PRITCHETT, DAVID JOHN, GB  
[73] RIEKE CORPORATION, US  
[85] 2012-02-01  
[86] 2010-08-10 (PCT/GB2010/001522)  
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[25] EN  
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[54] **FAUTEUIL A DOSSIER BASCULANT**  
[72] PIRETTI, ALESSANDRO, IT  
[73] PRO-CORD S.P.A., IT  
[86] (2769990)  
[87] (2769990)  
[22] 2012-03-02  
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[25] EN  
[54] **PLASMODIUM FALCIPARUM SPOOROZOITE AND LIVER STAGE ANTIGENS**  
[54] **ANTIGENES DE SPOOROZOITES DE PLASMODIUM FALCIPARUM EN PHASE HEPATIQUE**  
[72] LIMBACH, KEITH, US  
[72] AGUIAR, JOAO, US  
[72] SEDEGAH, MARTHA, US  
[72] RICHIE, THOMAS, US  
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[25] EN  
[54] **4-SUBSTITUTED PYRIDIN-3-YL-CARBOXAMIDE COMPOUNDS AND USES THEREOF FOR TREATING CANCER**  
[54] **COMPOSES DE PYRIDINE-3-YL-CARBOXAMIDE 4-SUBSTITUEE ET SES UTILISATIONS EN VUE DU TRAITEMENT CONTRE LE CANCER**  
[72] EBENS, ALLEN J., JR., US  
[72] WANG, XIAOJING, US  
[73] F. HOFFMANN-LA ROCHE AG, CH  
[85] 2012-02-06  
[86] 2010-09-07 (PCT/EP2010/063069)  
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[54] **ROBOT HAVING OBSTACLE AVOIDANCE MECHANISM**  
[54] **ROBOT EQUIPE D'UN MECANISME LUI PERMETTANT D'EVITER LES OBSTACLES**  
[72] SARH, BRANKO, US  
[72] ASADA, HARUHIKO H., US  
[72] KARASIC, GEOFFREY I., US  
[73] THE BOEING COMPANY, US  
[73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US  
[86] (2770725)  
[87] (2770725)  
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[54] **RIBBED SURGICAL BUR**  
[54] **FRAISE CHIRURGICALE NERVUREE**

[72] GUBELLINI, MATTEO, IE  
[72] MANLEY, KEVIN, IE  
[73] STRYKER EUROPEAN HOLDINGS I, LLC, US  
[85] 2012-02-15  
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[54] **WALL BLOCK SYSTEM**  
[54] **SYSTEME DE BLOCS POUR L'ERECTION DE MURS**

[72] HAMMER, JAMES E., US  
[73] WESTBLOCK SYSTEMS, INC., US  
[86] (2771392)  
[87] (2771392)  
[22] 2012-03-14  
[30] US (61/452,561) 2011-03-14  
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[25] EN  
[54] **HEATING APPARATUS**  
[54] **APPAREIL DE CHAUFFAGE**

[72] JUAN, ALEJANDRO, CA  
[72] FARSHCHIAN, SOHEIL, CA  
[73] EXPONENTIAL TECHNOLOGIES, INC., CA  
[85] 2012-02-17  
[86] 2010-08-27 (PCT/CA2010/001332)  
[87] (WO2011/022833)  
[30] US (61/237,445) 2009-08-27  
[30] US (61/253,001) 2009-10-19  
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[54] **RAPID ACTIVATION FUSIBLE LINK**

[54] **FUSIBLE A ACTIVATION RAPIDE**

[72] WEIR, RICHARD D., US  
[73] EESTOR, INC., US  
[85] 2012-02-17  
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[54] **HIGH EFFICIENCY REGULATED CHARGE PUMP**

[54] **POMPE DE CHARGE REGULEE A HAUT RENDEMENT**

[72] NEUGEBAUER, CHARLES FRANCIS, US  
[73] STORE ELECTRONIC SYSTEMS, FR  
[85] 2012-02-23  
[86] 2010-08-24 (PCT/EP2010/062289)  
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[25] FR  
[54] **METHOD FOR THE STRUCTURAL ANALYSIS OF PANELS CONSISTING OF AN ISOTROPIC MATERIAL, AND STIFFENED BY TRIANGULAR POCKETS**

[54] **PROCEDE D'ANALYSE STRUCTURALE DE PANNEAUX EN MATERIAU ISOTROPE DE TYPE RAIDIS PAR DES POCHEs TRIANGULAIRES**

[72] COUDOUENT, GERARD, FR  
[72] MESSINA, PAOLO, FR  
[73] AIRBUS OPERATIONS (S.A.S), FR  
[85] 2012-03-12  
[86] 2010-09-13 (PCT/FR2010/051900)  
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[51] **Int.Cl. H02K 15/04 (2006.01) H02K 3/04 (2006.01)**

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[54] **COMPRESSED MOTOR WINDING**  
[54] **ENROULEMENT DE MOTEUR COMPRIME**

[72] RIPPEL, WALLY EWALD, US  
[72] DABOUSSI, ZAHER, US  
[72] HORI, BRADFORD, US  
[72] BERMAN, SCOTT, US  
[72] HIBBS, BART, US  
[73] AEROVIRONMENT, INC., US  
[85] 2012-03-21  
[86] 2009-09-23 (PCT/US2009/058116)  
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[25] FR  
[54] **HYDROCARBON-BASED COMPOSITION AND METHOD FOR PRODUCING SAME**

[54] **COMPOSITION HYDROCARBONNEE ET SON PROCEDE DE FABRICATION**

[72] VILLARD, EMMANUEL, FR  
[72] ECH, MOHSEN, FR  
[72] RICHARD, NICOLAS, FR  
[72] BAAJ, HASSAN, FR  
[73] LAFARGE, FR  
[85] 2012-03-22  
[86] 2010-10-04 (PCT/FR2010/052086)  
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[51] **Int.Cl. A01B 33/08 (2006.01) A01B 33/02 (2006.01)**

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[54] **GAS TILLER**  
[54] **SARCLEUR A GAZ**

[72] COLBER, WILLIAM E., JR., US  
[72] FERRELL, JAMES, US  
[72] MONTGOMERY, BENJAMIN, US  
[73] TECHTRONIC OUTDOOR PRODUCTS TECHNOLOGY LIMITED, BM  
[86] (2775336)  
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[51] **Int.Cl. G01N 33/68 (2006.01) G01N 33/53 (2006.01) G01N 33/58 (2006.01)**

[25] EN

[54] **PROTEIN DETECTION VIA NANOREPORTERS**

[54] **DETECTION DE PROTEINE PAR L'INTERMEDIAIRE DE NANORAPORTEURS**

[72] DUNAWAY, DWAYNE L., US

[73] NANOSTRING TECHNOLOGIES, INC., US

[85] 2012-03-26

[86] 2010-10-13 (PCT/US2010/052556)

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[30] US (61/325,224) 2010-04-16

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[25] EN

[54] **IMAGE SURVEILLANCE AND REPORTING TECHNOLOGY**

[54] **SURVEILLANCE D'IMAGES ET TECHNOLOGIE DE SIGNALISATION**

[72] TRUNDLE, STEPHEN SCOTT, US

[72] MCCARTHY, ROBERT J., JR., US

[72] HUTZ, DAVID JAMES, US

[72] SLAVIN, ALISON JANE, US

[72] MARTIN, JEAN-PAUL, US

[73] ALARM.COM, US

[85] 2012-03-30

[86] 2010-10-04 (PCT/US2010/051350)

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[13] C

[51] **Int.Cl. E21B 47/04 (2012.01) G01F 23/284 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR SENSING A LIQUID LEVEL**

[54] **SYSTEME ET PROCEDE PERMETTANT DE DETECTER UN NIVEAU DE LIQUIDE**

[72] THOMPSON, M. CLARK, US

[72] WEBB, CHARLES H., US

[72] RUBBO, RICHARD P., US

[72] ANDERSON, DAVID KING, II, US

[72] YAMASAKI, MARK H., US

[72] SMITHSON, MITCHELL CARL, US

[72] GONZALEZ, MANUEL E., US

[73] CHEVRON U.S.A. INC., US

[85] 2012-04-03

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[13] C

[51] **Int.Cl. D21H 17/42 (2006.01) D21H 17/44 (2006.01) D21H 21/18 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING PAPER, PAPERBOARD AND CARDBOARD HAVING HIGH DRY STRENGTH**

[54] **PROCEDE DE PRODUCTION DE PAPIER, CARTON ET CARTON BLANCHI DE GRANDE RESISTANCE A LA TRACTION A L'ETAT SEC**

[72] ESSER, ANTON, DE

[73] BASF SE, DE

[85] 2012-04-10

[86] 2010-10-14 (PCT/EP2010/065375)

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[13] C

[51] **Int.Cl. E04D 13/152 (2006.01) E04D 13/17 (2006.01) F24F 7/02 (2006.01)**

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[54] **FASCIA VENT**

[54] **CORNICHE DE VENTILATION**

[72] CHICH, ADEM, US

[72] RAILKAR, SUDHIR, US

[72] ZARATE, WALTER, US

[73] BUILDING MATERIALS INVESTMENT CORPORATION, US

[86] (2777194)

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[22] 2012-05-17

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[13] C

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[25] EN

[54] **DUAL ANALYZER SYSTEM FOR BIOLOGICAL FLUID**

[54] **SYSTEME A DOUBLE ANALYSEUR POUR UN FLUIDE BIOLOGIQUE**

[72] MAURER, ELISABETH, CA

[72] FONG, LONG HIN, CA

[73] CANADIAN BLOOD SERVICES, CA

[85] 2012-04-12

[86] 2010-08-31 (PCT/CA2010/001365)

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[13] C

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[25] EN

[54] **HYDROPHILIC COATING**

[54] **REVETEMENT HYDROPHILE**

[72] ELTON, RICHARD K., US

[73] C.R. BARD, INC., US

[85] 2012-05-01

[86] 2010-12-14 (PCT/US2010/060216)

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[13] C

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PROCESSING FLUIDS**  
[54] **PROCEDE DE PURIFICATION DE  
FLUIDES DE TRAITEMENT**  
[72] MILLARD, MICHAEL G., US  
[73] CHEM GROUP, INC., US  
[85] 2012-04-30  
[86] 2010-11-02 (PCT/US2010/055132)  
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[13] C

[51] **Int.Cl. A47L 9/00 (2006.01)**  
[25] EN  
[54] **COMBINATION VACUUM  
CLEANER, DOLLY, AND  
MOUNTING BRACKET**  
[54] **ASPIRATEUR, CHARIOT ET  
FERRURE DE MONTAGE  
COMBINES**  
[72] LIU, LI H., US  
[73] SHOP VAC CORPORATION, US  
[85] 2012-05-01  
[86] 2010-11-04 (PCT/US2010/055344)  
[87] (WO2011/059864)  
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[11] **2,780,182**  
[13] C

[51] **Int.Cl. H04L 12/64 (2006.01)**  
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[54] **METHOD OF ESTABLISHING  
OPTIMIZED MEDIA PATH AND  
SIGNALING GATEWAY FOR  
IMPLEMENTING THIS METHOD**  
[54] **PROCEDE POUR ETABLIR UN  
CHEMIN MULTIMEDIA  
OPTIMISE ET PASSERELLE DE  
SIGNALISATION PERMETTANT  
D'IMPLEMENTER CE PROCEDE**  
[72] XIE, ZHENHUA, CN  
[72] HAO, ZHENWU, CN  
[73] ZTE CORPORATION, CN  
[85] 2012-05-07  
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[30] CN (200910221364.1) 2009-11-06

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[11] **2,780,245**  
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[51] **Int.Cl. B44B 3/00 (2006.01) B44C 1/22  
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[54] **DUAL-SIDE ENGRAVING SYSTEM**  
[54] **SYSTEME DE GRAVURE DOUBLE  
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[72] HUSS, JAMES FRANCIS, US  
[72] SOLACE, BRYAN KEITH, US  
[73] THE HILLMAN GROUP INC., US  
[85] 2012-05-07  
[86] 2010-10-07 (PCT/US2010/051841)  
[87] (WO2011/056345)  
[30] US (12/614,899) 2009-11-09

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[13] C

[51] **Int.Cl. G08B 13/00 (2006.01) G06K  
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[25] EN  
[54] **RADIO FREQUENCY  
IDENTIFICATION READER  
ANTENNA HAVING A  
DYNAMICALLY ADJUSTABLE Q-  
FACTOR**  
[54] **ANTENNE DE LECTEUR  
D'IDENTIFICATION PAR  
RADIOFREQUENCE AYANT UN  
FACTEUR DE SURTENSION A  
AJUSTEMENT DYNAMIQUE**  
[72] BATEMAN, LEIGH, AU  
[73] ALEIS PTY LTD, AU  
[85] 2012-05-09  
[86] 2010-10-11 (PCT/AU2010/001329)  
[87] (WO2011/041849)  
[30] US (61/250,400) 2009-10-09

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[13] C

[51] **Int.Cl. B42F 3/04 (2006.01) B42F  
13/26 (2006.01)**  
[25] EN  
[54] **RING BINDER MECHANISM  
WITH SELF-LOCKING  
ACTUATOR**  
[54] **MECANISME DE RELIURE A  
ANNEAUX AVEC ACTIONNEUR  
AUTOBLOQUANT**  
[72] HUANG, MING HUA, CH  
[73] WORLD WIDE STATIONERY MFG.  
CO., LTD., HK  
[86] (2780517)  
[87] (2780517)  
[22] 2012-06-21  
[30] CN (201210142483.X) 2012-04-28  
[30] CN (201220207227.X) 2012-04-28

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[13] C

[51] **Int.Cl. A61K 9/28 (2006.01) A61K  
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[25] EN  
[54] **BILAYER TABLET  
FORMULATIONS**  
[54] **FORMULATIONS DE COMPRIME  
BICOUCHE**  
[72] ABEBE, ADMASSU, US  
[72] MARTIN, KYLE, US  
[72] PATEL, JATIN M., US  
[72] DESAI, DIVYAKANT, US  
[72] TIMMINS, PETER, US  
[73] ASTRAZENECA AB, SE  
[85] 2012-05-11  
[86] 2010-11-12 (PCT/US2010/056529)  
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[13] C

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(2006.01)**  
[25] EN  
[54] **IMMEDIATE RELEASE TABLET  
FORMULATIONS**  
[54] **FORMULATIONS POUR  
COMPRIMES A LIBERATION  
IMMEDIATE**  
[72] HALLGREN, AGNETA, SE  
[72] SWENSON, RALF MAGNUS  
WERNER, SE  
[73] ASTRAZENECA UK LIMITED, GB  
[73] ASTRAZENECA AB, SE  
[85] 2012-05-11  
[86] 2010-11-12 (PCT/US2010/056577)  
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[25] EN  
[54] **DISPOSABLE FLUID PATH SYSTEMS AND METHODS FOR PROCESSING COMPLEX BIOLOGICAL MATERIALS**  
[54] **SYSTEMES DE CIRCUIT DE FLUIDE JETABLES ET PROCEDES POUR TRAITER DES MATERIAUX BIOLOGIQUES COMPLEXES**  
[72] SHOEMAKER, PHILIP ALEXANDER, US  
[72] WILLIAMS, ERIC DOUGLAS, US  
[72] WHITE, JAMES MITCHELL, US  
[72] GRIFFIN, WESTON BLAINE, US  
[72] ROY, JAYDEEP, US  
[73] GENERAL ELECTRIC COMPANY, US  
[85] 2012-05-15  
[86] 2010-12-08 (PCT/EP2010/069134)  
[87] (WO2011/070052)  
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[13] C

[51] **Int.Cl. A61F 2/95 (2013.01) A61F 2/24 (2006.01)**  
[25] EN  
[54] **APPARATUS AND SET FOR FOLDING OR UNFOLDING A MEDICAL IMPLANT AND METHOD**  
[54] **APPAREIL ET ENSEMBLE DE PLIAGE OU DE DEPLIAGE D'IMPLANT MEDICAL ET METHODE ASSOCIEE**  
[72] GOETZ, WOLFGANG, DE  
[72] LIM, HOU-SEN, SG  
[73] VENUS MEDTECH (HANGZHOU), INC., CN  
[85] 2012-05-24  
[86] 2010-11-26 (PCT/EP2010/007183)  
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[30] DE (10 2009 055 969.8) 2009-11-27  
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[25] EN  
[54] **ASSEMBLY OF FLOWMETER TO PCB IN A BEVERAGE MACHINE**  
[54] **RACCORDEMENT D'UN DEBITMETRE ET D'UNE CARTE DE CIRCUIT IMPRIME DANS UNE MACHINE A BOISSONS**  
[72] ETTER, STEFAN, CH  
[72] ZIEGLER, MARTIN, CH  
[73] NESTEC S.A., CH  
[85] 2012-05-23  
[86] 2010-11-26 (PCT/EP2010/068293)  
[87] (WO2011/067181)  
[30] EP (09177591.6) 2009-12-01

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[13] C

[51] **Int.Cl. E03C 1/33 (2006.01) F16B 12/32 (2006.01) F16B 35/04 (2006.01)**  
[25] EN  
[54] **SINK FASTENER FOR FASTENING A SINK UNIT TO A COUNTERTOP**  
[54] **PIECE DE FIXATION D'EVIER POUR FIXER UN EVIER A UN COMPTOIR**  
[72] WISNIEWSKI, COLIN, CA  
[73] FRANKE TECHNOLOGY AND TRADEMARK LTD., CH  
[86] (2782113)  
[87] (2782113)  
[22] 2012-07-03

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[11] **2,782,262**  
[13] C

[51] **Int.Cl. B81C 3/00 (2006.01)**  
[25] EN  
[54] **METHOD FOR PLUGGING A HOLE AND A PLUGGED HOLE**  
[54] **PROCEDE DE BOUCHAGE DE TROU ET TROU BOUCHE**  
[72] FISCHER, ANDREAS, SE  
[72] STEMME, GORAN, SE  
[72] NIKLAUS, FRANK, SE  
[72] ROXHED, NIKLAS, SE  
[73] CIRCASSIA AB, SE  
[85] 2012-05-29  
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[87] (WO2011/073393)  
[30] SE (0901586-8) 2009-12-18

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[13] C

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[25] EN  
[54] **MICROBIALLY-BASED SENSORS FOR ENVIRONMENTAL MONITORING**  
[54] **CAPTEURS UTILISANT DES MICROBES POUR LA SURVEILLANCE DE L'ENVIRONNEMENT**  
[72] BUCK, JUSTIN, US  
[72] SILVER, MATTHEW, US  
[73] CAMBRIAN INNOVATION, INC., US  
[85] 2012-06-06  
[86] 2010-12-08 (PCT/US2010/059554)  
[87] (WO2011/072065)  
[30] US (61/267,594) 2009-12-08  
[30] US (PCT/US2010/025224) 2010-02-24

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[11] **2,783,709**  
[13] C

[51] **Int.Cl. E02F 9/28 (2006.01)**  
[25] EN  
[54] **AN EXCAVATOR WEAR ASSEMBLY**  
[54] **ENSEMBLE D'USURE POUR EXCAVATRICE**  
[72] GUIMARAES, MIGUEL, AU  
[72] LILLEY, BRUCE, AU  
[72] NIENABER, QUINTIN, AU  
[72] YOUNG, TONY, AU  
[73] CQMS PTY LTD, AU  
[85] 2012-06-08  
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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4196 (2006.01) A61K 31/437 (2006.01) A61P 25/18 (2006.01) A61P 25/28 (2006.01)**

[25] EN

[54] **HETEROAROMATIC ARYL TRIAZOLE DERIVATIVES AS PDE10A ENZYME INHIBITORS DERIVES HETEROAROMATIQUES D'ARYLTRIAZOLE EN TANT QU'INHIBITEURS DE L'ENZYME PDE10A**

[72] PUSCHL, ASK, DK  
[72] NIELSEN, JACOB, DK  
[72] KEHLER, JAN, DK  
[72] KILBURN, JOHN PAUL, DK  
[72] MARIGO, MAURO, DK  
[72] LANGGARD, MORTEN, DK  
[73] H. LUNDBECK A/S, DK  
[85] 2012-06-08  
[86] 2010-12-15 (PCT/DK2010/050344)  
[87] (WO2011/072697)  
[30] DK (PA 2009 01340) 2009-12-17  
[30] US (61/287,321) 2009-12-17

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[13] C

[51] **Int.Cl. C07D 301/10 (2006.01) C07C 11/04 (2006.01)**

[25] EN

[54] **A PROCESS FOR INITIATING A HIGHLY SELECTIVE ETHYLENE OXIDE CATALYST PROCEDE D'INITIATION D'UN CATALYSEUR HAUTEMENT SELECTIF A BASE D'OXYDE D'ETHYLENE**

[72] RIZKALLA, NABIL, US  
[72] CASTAGNOLA, NORMA B., US  
[72] DESAI, GIRISH, US  
[73] SCIENTIFIC DESIGN COMPANY, INC., US  
[85] 2012-06-14  
[86] 2010-12-20 (PCT/US2010/061192)  
[87] (WO2011/079056)  
[30] US (61/289,719) 2009-12-23

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[13] C

[51] **Int.Cl. G06Q 40/00 (2012.01) G06Q 40/06 (2012.01) G06F 17/30 (2006.01)**

[25] EN

[54] **VISUAL COMPS BUILDER GENERATEUR DE COMPOSANTS VISUELS**

[72] HORNE, MATTHEW DONALD, US  
[72] MARTIN, CATHERINE HOLLENBECK, US  
[72] OLIGINO, DEAN ANTHONY, US  
[73] THOMSON REUTERS GLOBAL RESOURCES UNLIMITED COMPANY, CH  
[85] 2012-06-15  
[86] 2010-12-16 (PCT/US2010/003183)  
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[30] US (12/653,720) 2009-12-17

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[13] C

[51] **Int.Cl. E05B 27/00 (2006.01)**

[25] EN

[54] **CYLINDER LOCK WITH SIDE BAR AND SIDE PINS, KEY AND LOCK ASSEMBLY SERRURE A BARILLET COMPORTANT UNE BARRE LATERALE ET DES BROCHES LATERALES, ENSEMBLE CLEF ET SERRURE**

[72] HERRMANN, JONAS, SE  
[73] ASSA OEM AB, SE  
[85] 2012-06-18  
[86] 2010-12-16 (PCT/SE2010/051405)  
[87] (WO2011/075069)  
[30] SE (0950985-2) 2009-12-18

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[11] **2,785,363**  
[13] C

[51] **Int.Cl. B07B 1/28 (2006.01) B07B 1/46 (2006.01) B07B 11/00 (2006.01)**

[25] EN

[54] **SCREEN LIFT MECHANISM FOR VARIABLE SLOPE VIBRATING SCREENS MECANISME DE SOULEVEMENT DE TAMIS DESTINE A DES TAMIS VIBRANTS A PENTE VARIABLE**

[72] SCHIRM, PAYTON, US  
[72] YOUNG, GREGORY, US  
[73] TEREX USA, LLC, US  
[86] (2785363)  
[87] (2785363)  
[22] 2012-08-10  
[30] US (61/522,016) 2011-08-10  
[30] US (13/570,009) 2012-08-08

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[13] C

[51] **Int.Cl. B07B 1/28 (2006.01) B07B 1/46 (2006.01) B07B 11/00 (2006.01)**

[25] EN

[54] **CONVEYOR SUPPORT MECHANISM FOR VARIABLE SLOPE VIBRATING SCREENS MECANISME DE SUPPORT DE CONVOYEUR POUR LES TAMIS VIBRANTS A PENTE VARIABLE**

[72] CARTER, REX, US  
[73] TEREX USA, LLC, US  
[86] (2785457)  
[87] (2785457)  
[22] 2012-08-10  
[30] US (61/522,016) 2011-08-10  
[30] US (13/569,726) 2012-08-08

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[11] **2,785,551**  
[13] C

[51] **Int.Cl. B07B 13/16 (2006.01) B07B 1/28 (2006.01) B07B 1/46 (2006.01)**

[25] EN

[54] **FINES SCALPING CHUTE FOR VARIABLE SLOPE VIBRATING SCREENS CHUTE DE DECOUPAGE DE RESIDUS POUR ECRANS VIBRANTS A PENTE VARIABLE**

[72] IRWIN, KENNETH, US  
[72] REED, CHRISTOPHER, US  
[73] TEREX USA, LLC, US  
[86] (2785551)  
[87] (2785551)  
[22] 2012-08-10  
[30] US (61/522,016) 2011-08-10  
[30] US (13/569,878) 2012-08-08

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[11] **2,785,554**  
[13] C

[51] **Int.Cl. B07B 1/28 (2006.01) B07B 1/46 (2006.01)**

[25] EN

[54] **CONVEYOR JACKSHAFT FOR VARIABLE SLOPE VIBRATING SCREENS ARBRE SECONDAIRE DE CONVOYEUR POUR ECRANS VIBRANTS A PENTE VARIABLE**

[72] CARTER, REX, US  
[73] TEREX USA, LLC, US  
[86] (2785554)  
[87] (2785554)  
[22] 2012-08-10  
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[51] **Int.Cl. E21B 47/12 (2012.01) E21B 47/13 (2012.01)**  
[25] EN  
[54] **DOWNHOLE DATA TRANSMISSION SYSTEM**  
[54] **SYSTEME DE TRANSMISSION DE DONNEES DE FOND DE TROU**  
[72] ALTEIRAC, LAURENT, NO  
[72] RAYSSIGUIER, CHRISTOPHE, FR  
[72] MERINO, CARLOS, FR  
[73] SCHLUMBERGER CANADA LIMITED, CA  
[85] 2012-06-26  
[86] 2010-12-27 (PCT/US2010/062124)  
[87] (WO2011/082122)  
[30] US (61/290,256) 2009-12-28

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[11] **2,785,689**  
[13] C  
[51] **Int.Cl. B65D 75/58 (2006.01) B65D 77/06 (2006.01)**  
[25] EN  
[54] **FLEXIBLE PACKAGE FOR TOBACCO MATERIAL**  
[54] **PAQUET FLEXIBLE POUR PRODUIT A BASE DE TABAC**  
[72] SAINT-GIRONS, SANDRINE, CH  
[72] BRADY, DAN, GB  
[72] SAYERS, STEVE, GB  
[73] PHILIP MORRIS PRODUCTS S.A., CH  
[85] 2012-06-26  
[86] 2010-12-22 (PCT/EP2010/007870)  
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[30] EP (09252922.1) 2009-12-30

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[11] **2,786,241**  
[13] C  
[51] **Int.Cl. G10L 21/003 (2013.01)**  
[25] EN  
[54] **CONTINUOUS PITCH-CORRECTED VOCAL CAPTURE DEVICE COOPERATIVE WITH CONTENT SERVER**  
[54] **DISPOSITIF DE CAPTURE VOCALE A HAUTEUR CORRIGEE CONTINUE COOPERANT AVEC UN SERVEUR DE CONTENU**  
[72] SALAZAR, SPENCER, US  
[72] FIEBRINK, REBECCA A., CA  
[72] WANG, GE, US  
[72] LJUNGSTROEM, MATTIAS, DE  
[72] SMITH, JEFFREY C., US  
[72] COOK, PERRY R., US  
[73] SMULE, INC., US  
[85] 2012-07-03  
[86] 2010-12-13 (PCT/US2010/060135)  
[87] (WO2011/075446)  
[30] US (61/286,749) 2009-12-15  
[30] US (61/323,348) 2010-04-12  
[30] US (12/876,131) 2010-09-04  
[30] US (12/876,132) 2010-09-04

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[11] **2,786,680**  
[13] C  
[51] **Int.Cl. E04F 15/02 (2006.01) E04F 15/04 (2006.01)**  
[25] EN  
[54] **MECHANICAL LOCKING SYSTEM FOR FLOOR PANELS AND A TONGUE THEREFORE**  
[54] **SYSTEME DE VERROUILLAGE MECANIQUE POUR PANNEAUX DE PLANCHER ET LANGUETTE POUR CELUI-CI**  
[72] PERVAN, DARKO, SE  
[72] PAALSSON, AGNE, SE  
[73] VAELINGE INNOVATION AB, SE  
[85] 2012-07-06  
[86] 2011-02-03 (PCT/SE2011/050116)  
[87] (WO2011/096879)  
[30] SE (1050111-2) 2010-02-04

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[11] **2,786,757**  
[13] C  
[51] **Int.Cl. H01M 4/58 (2010.01) H01M 10/0525 (2010.01) C01B 25/45 (2006.01)**  
[25] EN  
[54] **GRAPHENE-MODIFIED LITHIUM IRON PHOSPHATE POSITIVE ELECTRODE ACTIVE MATERIAL, PREPARATION OF THE SAME AND LITHIUM-ION SECONDARY CELL**  
[54] **MATERIAU ACTIF D'ELECTRODE POSITIVE AU PHOSPHATE DE FER ET DE LITHIUM MODIFIE AU GRAPHENE, SON PROCEDE DE PREPARATION ET BATTERIE RECHARGEABLE LITHIUM-ION COMPRENANT LEDIT MATERIAU**  
[72] LIU, ZHAOPING, CN  
[72] ZHOU, XUFENG, CN  
[73] NINGBO INSTITUTE OF MATERIALS TECHNOLOGY AND ENGINEERING, CHINESE ACADEMY OF SCIENCES, CN  
[73] NINGBO ENERGY MATERIAL TECHNOLOGY CO., LTD, CN  
[85] 2012-07-10  
[86] 2010-01-22 (PCT/CN2010/070319)  
[87] (WO2011/069348)  
[30] CN (200910155316.7) 2009-12-11

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[13] C  
[51] **Int.Cl. G21K 1/06 (2006.01) H05G 1/02 (2006.01)**  
[25] EN  
[54] **MULTI-BEAM X-RAY SYSTEM**  
[54] **SYSTEME A RAYONS X A MULTIPLES FAISCEAUX**  
[72] VERMAN, BORIS, US  
[72] YOUNG, MICHAEL, US  
[72] JIANG, LICAI, US  
[73] RIGAKU INNOVATIVE TECHNOLOGIES, INC., US  
[85] 2012-07-20  
[86] 2011-01-27 (PCT/US2011/022724)  
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[13] C

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[25] EN  
[54] **FLEXIBLE, STRONGLY ABSORBING MATERIAL**  
[54] **MATERIAU SOUPLE FORTEMENT ABSORBANT**  
[72] ROETTGER, HENNING, DE  
[72] LUTTER, STEFANIE, DE  
[72] EHMKE, RALF, DE  
[73] GLATFELTER FALKENHAGEN GMBH, DE  
[85] 2012-07-23  
[86] 2011-01-28 (PCT/EP2011/000391)  
[87] (WO2011/092025)  
[30] US (12/657,982) 2010-01-28  
[30] DE (10 2010 006 228.6) 2010-01-28

[11] **2,788,194**  
[13] C

- [51] **Int.Cl. H04M 3/51 (2006.01) H04M 3/533 (2006.01)**  
[25] FR  
[54] **METHODS FOR DIRECTLY ACCESSING THE VOICEMAIL OF A CALL RECIPIENT AND FOR LEAVING A VOICE MESSAGE ON A VOICEMAIL**  
[54] **PROCEDES POUR ACCEDER DIRECTEMENT AU REPONDEUR VOCAL D'UN DESTINATAIRE ET POUR DEPOSER UN MESSAGE VOCAL SUR UN REPONDEUR**  
[72] DERDERIAN, DIDIER, FR  
[72] FRANCOIS, THIERRY, FR  
[72] RAIMONDEAU, STEPHANE, FR  
[73] NEOCOM MULTIMEDIA, FR  
[85] 2012-07-26  
[86] 2011-01-28 (PCT/FR2011/050175)  
[87] (WO2011/092436)  
[30] FR (1050589) 2010-01-28

[11] **2,788,651**  
[13] C

- [51] **Int.Cl. G06F 17/30 (2006.01)**  
[25] EN  
[54] **INFORMATION SEARCH SYSTEM WITH REAL-TIME FEEDBACK**  
[54] **SYSTEME DE RECHERCHE D'INFORMATIONS AVEC RETOUR EN TEMPS REEL**  
[72] LEBEAU, MICHAEL J., US  
[72] PHUKAN, PRASENJIT, US  
[73] GOOGLE LLC, US  
[85] 2012-07-31  
[86] 2010-02-26 (PCT/US2010/025644)  
[87] (WO2011/096945)  
[30] US (12/699,532) 2010-02-03

[11] **2,789,141**  
[13] C

- [51] **Int.Cl. A61M 5/142 (2006.01) A61J 1/20 (2006.01) A61M 5/14 (2006.01) A61M 5/168 (2006.01) A61M 5/44 (2006.01) B01D 19/00 (2006.01)**  
[25] EN  
[54] **INFUSION PUMP APPARATUS, METHOD AND SYSTEM**  
[54] **APPAREIL, PROCEDE ET SYSTEME DE POMPE A PERFUSION**  
[72] KAMEN, DEAN, US  
[72] KERWIN, JOHN M., US  
[72] MANDRO, MARC A., US  
[72] DURAND, KEVIN A., US  
[72] GRAY, LARRY B., US  
[72] LANIER, GREGORY R., JR., US  
[72] MURPHY, COLIN H., US  
[73] DEKA PRODUCTS LIMITED PARTNERSHIP, US  
[85] 2012-08-07  
[86] 2011-02-04 (PCT/US2011/023757)  
[87] (WO2011/097487)  
[30] US (61/301,957) 2010-02-05

[11] **2,789,683**  
[13] C

- [51] **Int.Cl. A61M 5/178 (2006.01)**  
[25] EN  
[54] **SYRINGE PRODUCTS AND RELATED METHODS AND USES**  
[54] **PRODUITS SERINGUES, METHODES ET UTILISATIONS AFFERENTES**  
[72] SCHRADER, EUGENE F., US  
[73] LIEBEL-FLARSHEIM COMPANY LLC, US  
[85] 2012-08-13  
[86] 2011-02-14 (PCT/US2011/024678)  
[87] (WO2011/100648)  
[30] US (61/304,537) 2010-02-15

[11] **2,789,888**  
[13] C

- [51] **Int.Cl. E05B 47/00 (2006.01) E05B 63/00 (2006.01) E05B 65/46 (2017.01)**  
[25] EN  
[54] **ELECTRONIC CABINET/DRAWER LOCK SYSTEM**  
[54] **SYSTEME DE VERROUILLAGE ELECTRONIQUE D'ARMOIRE/TIROIR**  
[72] WEBB, MICHAEL W., US  
[72] PEABODY, JOSHUA T., US  
[72] SULLIVAN, SCOTT P., US  
[72] FIGUEROA-DEL POZO, FRANCISCO, US  
[72] WILDING, ANDREW LEE, US  
[73] HANCHETT ENTRY SYSTEMS, INC., US  
[86] (2789888)  
[87] (2789888)  
[22] 2012-09-17  
[30] US (61/536,013) 2011-09-18

[11] **2,789,952**  
[13] C

- [51] **Int.Cl. G01N 33/48 (2006.01) A01N 1/02 (2006.01) G01N 1/28 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR ANATOMICAL PATHOLOGY SAMPLE HANDLING, STORAGE, AND ANALYSIS**  
[54] **SYSTEME ET PROCEDE DE MANIPULATION, DE STOCKAGE ET D'ANALYSE D'ECHANTILLONS ANATOMOPATHOLOGIQUES**  
[72] MARKIN, RODNEY S., US  
[73] PRAIRIE VENTURES, L.L.C., US  
[85] 2012-08-15  
[86] 2011-02-25 (PCT/US2011/026194)  
[87] (WO2011/106611)  
[30] US (61/307,876) 2010-02-25

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[11] **2,789,968**  
[13] C

[51] **Int.Cl. G01N 21/64 (2006.01) G01N 15/06 (2006.01)**  
[25] EN  
[54] **HANDHELD FLUOROMETER AND METHOD OF USE**  
[54] **FLUOROMETERE TENU A LA MAIN ET PROCEDE D'UTILISATION**  
[72] CHRISTENSEN, WILLIAM M., US  
[72] TOKHTUEV, EUGENE, US  
[72] CARLSON, BRIAN PHILIP, US  
[72] KRAUS, PAUL R., US  
[72] PESIGAN, BENEDICT F., US  
[72] KLEGIN, JILL MARIE, US  
[72] HARTZ, EUGENE ADRIAN, US  
[72] KREMER, MICHAEL PATRICK, US  
[73] ECOLAB USA INC., US  
[85] 2012-08-15  
[86] 2011-03-28 (PCT/IB2011/051304)  
[87] (WO2011/121521)  
[30] US (12/750,822) 2010-03-31

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[11] **2,790,137**  
[13] C

[51] **Int.Cl. A47J 31/36 (2006.01) B65D 85/804 (2006.01)**  
[25] EN  
[54] **CAPSULE CONTAINING A DOSE OF SUBSTANCE FOR MAKING A DRINK, AND METHOD FOR MAKING A DRINK USING THE CAPSULE**  
[54] **CAPSULE CONTENANT UNE DOSE DE SUBSTANCE SERVANT A PREPARER UNE BOISSON ET PROCEDE DE PREPARATION D'UNE BOISSON A L'AIDE DE LA CAPSULE**  
[72] DIGIUNI, PAOLO, CH  
[73] CAFFITALY SYSTEM S.P.A., IT  
[85] 2012-08-16  
[86] 2011-03-07 (PCT/IB2011/050949)  
[87] (WO2011/117768)  
[30] IT (VR2010A000062) 2010-03-26

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[11] **2,790,520**  
[13] C

[51] **Int.Cl. C08L 95/00 (2006.01) B32B 27/28 (2006.01) H01L 51/46 (2006.01)**  
[25] EN  
[54] **ASPHALTENE COMPONENTS AS ORGANIC ELECTRONIC MATERIALS**  
[54] **COMPOSANTS A BASE D'ASPHALTENE UTILISES COMME MATERIAUX ELECTRONIQUES ORGANIQUES**  
[72] DILABIO, GINO A., CA  
[72] MACKIE, IAIN, CA  
[72] DETTMAN, HEATHER DIANE, CA  
[73] NATIONAL RESEARCH COUNCIL OF CANADA, CA  
[73] HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF NATURAL RESOURCES CANADA, CA  
[85] 2012-08-20  
[86] 2011-05-03 (PCT/CA2011/000490)  
[87] (WO2011/137508)  
[30] US (61/282,996) 2010-05-05

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[11] **2,790,600**  
[13] C

[51] **Int.Cl. G01V 1/36 (2006.01) G01V 1/28 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR ATTENUATING ALIASING IN SEISMIC DATA CAUSED BY ACQUISITION GEOMETRY**  
[54] **SYSTEME ET PROCEDE D'ATTENUATION DU CRENELAGE DANS DES DONNEES SISMIQUES PROVOQUEES PAR LA GEOMETRIE D'ACQUISITION**  
[72] WANG, YUE, US  
[73] CHEVRON U.S.A. INC., US  
[85] 2012-08-21  
[86] 2011-02-04 (PCT/US2011/023719)  
[87] (WO2011/106141)  
[30] US (12/712,450) 2010-02-25

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[11] **2,790,616**  
[13] C

[51] **Int.Cl. E21B 43/24 (2006.01) E21B 43/30 (2006.01)**  
[25] EN  
[54] **DEVICE AND METHOD FOR OBTAINING, IN PARTICULAR IN-SITU, A CARBONACEOUS SUBSTANCE FROM AN UNDERGROUND DEPOSIT**  
[54] **DISPOSITIF ET PROCEDE D'EXTRACTION, NOTAMMENT D'EXTRACTION IN-SITU, D'UNE SUBSTANCE CARBONEE SITUEE DANS UN GISEMENT SOUTERRAIN**  
[72] HUBER, NORBERT, DE  
[72] DIEHL, DIRK, DE  
[72] KOCH, ANDREAS, DE  
[72] KOOLMAN, MICHAEL, DE  
[72] TORLAK, MURIS, DE  
[72] WACKER, BERND, DE  
[73] SIEMENS AKTIENGESELLSCHAFT, DE  
[85] 2012-08-20  
[86] 2011-01-31 (PCT/EP2011/051279)  
[87] (WO2011/101227)  
[30] DE (10 2010 008 779.3) 2010-02-22

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[11] **2,791,052**  
[13] C

[51] **Int.Cl. A61F 5/00 (2006.01) A61F 13/00 (2006.01)**  
[25] EN  
[54] **DEVICES FOR TREATING MORBID OBESITY USING HYDROGEL**  
[54] **DISPOSITIFS DE TRAITEMENT DE L'OBESITE MORBIDE A L'AIDE D'UN HYDROGEL**  
[72] BURRELL, JANNA M., US  
[72] BYRUM, RANDAL T., US  
[72] KOCH, ROBERT L., JR., US  
[72] POOL, LARRY D., US  
[72] WIDENHOUSE, CHRISTOPHER W., US  
[73] ETHICON ENDO-SURGERY, INC., US  
[85] 2012-08-24  
[86] 2011-02-09 (PCT/US2011/024213)  
[87] (WO2011/106157)  
[30] US (12/712,466) 2010-02-25

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[11] **2,791,188**  
[13] C

[51] **Int.Cl. A63B 23/18 (2006.01) A61M 16/00 (2006.01) A61M 16/06 (2006.01) A62B 7/00 (2006.01)**

[25] EN  
[54] **OXYGEN TRAINER DEVICE**  
[54] **DISPOSITIF D'ENTRAINEMENT A OXYGENE**

[72] RUTTEN, BAS, US  
[73] RUTTEN, BAS, US  
[85] 2012-08-24  
[86] 2011-02-11 (PCT/US2011/024632)  
[87] (WO2011/109155)  
[30] US (12/714,703) 2010-03-01

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[11] **2,791,213**  
[13] C

[51] **Int.Cl. B65D 5/468 (2006.01) B65D 5/20 (2006.01)**

[25] EN  
[54] **STORAGE BOX HAVING INTEGRAL LID WITH CLOSURE FLAPS**  
[54] **BOITE DE STOCKAGE AYANT UN COUVERCLE D'UN SEUL TENANT AVEC DES RABATS DE FERMETURE**

[72] BENIGNI, STEPHEN, US  
[72] CONNOLLY, PAUL, US  
[72] SWENSON, MATTHEW, US  
[72] SOMMERLOT, MARK, US  
[72] KLAUS, JERRY, US  
[73] FELLOWES, INC., US  
[85] 2012-08-27  
[86] 2011-02-25 (PCT/US2011/026235)  
[87] (WO2011/106638)  
[30] US (61/308,698) 2010-02-26

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[11] **2,791,361**  
[13] C

[51] **Int.Cl. C07K 14/555 (2006.01) C07K 1/02 (2006.01) C12N 15/20 (2006.01) C12N 15/63 (2006.01) G01N 33/68 (2006.01)**

[25] EN  
[54] **METHOD FOR PRODUCING SOLUBLE RECOMBINANT INTERFERON PROTEIN WITHOUT DENATURING**

[54] **PROCEDE POUR LA PRODUCTION DE LA PROTEINE INTERFERON RECOMBINANTE SOLUBLE SANS DENATURATION**

[72] ALLEN, JEFFREY, US  
[72] FENG, PING-HUA, US  
[72] PATKAR, ANANT, US  
[72] HANEY, KEITH L., US  
[72] CHEW, LAWRENCE, US  
[72] SENGCHANTHALANGSY, LEI LEI PHOKHAM, US

[73] PFENEX INC., US  
[85] 2012-08-24  
[86] 2011-03-02 (PCT/US2011/026921)  
[87] (WO2011/109556)  
[30] US (61/310,671) 2010-03-04

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[11] **2,791,376**  
[13] C

[51] **Int.Cl. H02K 7/18 (2006.01) B65G 17/34 (2006.01) B65G 43/00 (2006.01) H02J 1/10 (2006.01) H02K 1/27 (2006.01)**

[25] EN  
[54] **SORTING MACHINE WITH ELECTRICAL ALTERNATORS IN SUPPORTING WHEELS**

[54] **MACHINE A TRIER DOTEE D'ALTERNATEURS ELECTRIQUES DANS LES ROUES DE SUPPORT**

[72] CHIEREGO, LORENZO, IT  
[72] MACCHI, RICCARDO, IT  
[72] SOLDAVINI, ATTILIO, IT  
[73] CINETIC SORTING S.P.A., IT  
[85] 2012-08-28  
[86] 2010-03-04 (PCT/IB2010/000442)  
[87] (WO2011/107815)

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[11] **2,791,652**  
[13] C

[51] **Int.Cl. C12N 15/09 (2006.01) C07K 16/00 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12P 21/08 (2006.01)**

[25] EN  
[54] **MODIFIED ANTIBODY COMPOSITION**

[54] **COMPOSITION D'ANTICORPS MODIFIE**

[72] NIWA, RINPEI, JP  
[72] TSUCHIYA, MAMI, JP  
[73] KYOWA HAKKO KIRIN CO., LTD., JP

[85] 2012-08-30  
[86] 2011-02-28 (PCT/JP2011/054549)  
[87] (WO2011/108502)  
[30] US (61/309631) 2010-03-02

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[11] **2,792,403**  
[13] C

[51] **Int.Cl. A61K 31/41 (2006.01) A61P 1/02 (2006.01) A61P 1/04 (2006.01) A61P 1/16 (2006.01) A61P 7/00 (2006.01) A61P 9/00 (2006.01) A61P 9/10 (2006.01) A61P 11/00 (2006.01) A61P 11/06 (2006.01) A61P 13/12 (2006.01) A61P 15/00 (2006.01) A61P 17/02 (2006.01) A61P 17/06 (2006.01) A61P 17/14 (2006.01) A61P 19/00 (2006.01) A61P 19/02 (2006.01) A61P 19/10 (2006.01) A61P 21/02 (2006.01) A61P 25/00 (2006.01) A61P 27/02 (2006.01) A61P 27/06 (2006.01) A61P 27/16 (2006.01) A61P 29/00 (2006.01) A61P 37/02 (2006.01) A61P 37/04 (2006.01) A61P 43/00 (2006.01) C07D 405/06 (2006.01)**

[25] EN

[54] **7,7-DIFLUOROPROSTAGLANDIN I2 DERIVATIVE FOR THE PROPHYLAXIS OR TREATMENT OF AN EP4 AGONIST AND MEDIATED DISEASE**

[54] **DERIVE DE 7,7-DIFLUOROPROSTAGLANDINE I2 DESTINE A LA PROPHYLAXIE OU AU TRAITEMENT DE L'AGONISTE EP4 ET DE MALADIE INDUITE**

[72] MURATA, TAKAHIKO, JP  
[72] AMAKAWA, MASAHIRO, JP  
[72] TERADAIRA, SHIN, JP  
[72] MATSUMURA, YASUSHI, JP  
[72] KONISHI, KATSUHIKO, JP  
[73] KAKEN PHARMACEUTICAL CO., LTD., JP

[73] ASAHI GLASS COMPANY, LIMITED, JP

[85] 2012-09-06  
[86] 2011-03-08 (PCT/JP2011/055411)  
[87] (WO2011/111714)  
[30] JP (2010-051127) 2010-03-08  
[30] JP (2010-246208) 2010-11-02

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[11] **2,792,431**  
[13] C

[51] **Int.Cl. C09D 5/14 (2006.01) A61L 27/34 (2006.01) A61L 27/54 (2006.01)**

[25] EN

[54] **COATING WITH ANTIMICROBIAL AGENTS**

[54] **REVETEMENT CONTENANT DES AGENTS ANTIMICROBIENS**

[72] BERG, ERIC P., US  
[72] STELLA, RITA, GB  
[73] MENTOR WORLDWIDE LLC, US

[85] 2012-09-07  
[86] 2011-03-04 (PCT/US2011/027122)  
[87] (WO2011/112430)  
[30] US (12/723,580) 2010-03-12

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[11] **2,792,562**  
[13] C

[51] **Int.Cl. B60R 1/00 (2006.01) H04N 5/351 (2011.01) G02B 27/01 (2006.01) H04N 5/30 (2006.01)**

[25] EN

[54] **AUTOMATIC IMAGE EQUALIZATION FOR SURROUND-VIEW VIDEO CAMERA SYSTEMS**

[54] **EGALISATION AUTOMATIQUE D'IMAGE POUR LES SYSTEMES DE CAMERA VIDEO PANORAMIQUE**

[72] ROTTNER, GUNTER, US  
[72] SEJALON, FREDERIC MARCEL, US  
[72] BOCHENEK, JEFFREY, US  
[73] ROBERT BOSCH GMBH, DE

[86] (2792562)  
[87] (2792562)  
[22] 2012-10-19  
[30] US (13/287,440) 2011-11-02

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[11] **2,792,624**  
[13] C

[51] **Int.Cl. A23C 19/06 (2006.01) A23C 19/09 (2006.01) A23J 3/26 (2006.01)**

[25] EN

[54] **A RETICULATE DAIRY BASED PRODUCT**

[54] **PRODUIT LAITIER RETICULE**

[72] CAROEE, CHRISTINA, DK  
[72] KRISTENSEN, JENS JOERGEN SOEGAARD, DK  
[72] KOEBKE, KATHERINE, DK  
[72] JENSEN, KLAUS JUHL, DK  
[72] KNUDSEN, LISBET BJERRE, DK  
[73] ARLA FOODS AMBA, DK

[85] 2012-09-10  
[86] 2011-03-14 (PCT/DK2011/050081)  
[87] (WO2011/110184)  
[30] EP (10156356.7) 2010-03-12  
[30] EP (10192133.6) 2010-11-23

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[11] **2,792,765**  
[13] C

[51] **Int.Cl. G06F 17/30 (2006.01) H04W 4/12 (2009.01)**

[25] EN

[54] **METHODS AND APPARATUS FOR SEARCHING A MESSAGE STORE**

[54] **METHODE ET DISPOSITIF DE RECHERCHE D'UNE MEMOIRE DE MESSAGES**

[72] STOVICAK, THOMAS JAN, US  
[72] DEL PASQUA, KIERAN CLOUD, CA  
[73] BLACKBERRY LIMITED, CA

[86] (2792765)  
[87] (2792765)  
[22] 2012-10-17  
[30] US (61/548,131) 2011-10-17

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[11] **2,792,813**  
[13] C

[51] **Int.Cl. B65D 81/24 (2006.01) B65D 1/02 (2006.01) B65D 25/20 (2006.01) B65D 25/34 (2006.01)**

[25] EN

[54] **CONTAINER HAVING AN OXYGEN SCAVENGING INDICATION SYSTEM**

[54] **CONTENANT PRESENTANT UN SYSTEME D'INDICATION DE PIEGEAGE D'OXYGENE**

[72] OFFORD, DAVID, US  
[72] BRACE, JOHN G., US  
[73] AMCOR GROUP GMBH, CH

[85] 2012-09-11  
[86] 2011-03-09 (PCT/US2011/027707)  
[87] (WO2011/112690)  
[30] US (61/313,159) 2010-03-12  
[30] US (13/042,970) 2011-03-08



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[11] **2,793,070**  
[13] C

[51] **Int.Cl. B23K 1/00 (2006.01) B23K 1/19 (2006.01) B23K 1/20 (2006.01) B23K 35/02 (2006.01) B23K 35/30 (2006.01) C04B 37/00 (2006.01)**

[25] FR

[54] **METHOD OF JOINING PARTS MADE OF SIC-BASED MATERIALS BY NON-REACTIVE BRAZING, BRAZING COMPOSITIONS AND JOINT AND ASSEMBLY THAT ARE OBTAINED BY THIS METHOD**

[54] **PROCEDE D'ASSEMBLAGE DE PIECES EN MATERIAUX A BASE DE SIC PAR BRASAGE NON-REACTIF, COMPOSITIONS DE BRASURE, ET JOINT ET ASSEMBLAGE OBTENUS PAR CE PROCEDE**

[72] CHAUMAT, VALERIE, FR  
[72] HENNE, JEAN-FRANCOIS, FR  
[72] MILOUD-ALI, NADIA, FR  
[73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR

[85] 2012-09-13  
[86] 2011-03-11 (PCT/EP2011/053690)  
[87] (WO2011/113758)  
[30] FR (1051870) 2010-03-16

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[11] **2,793,531**  
[13] C

[51] **Int.Cl. B65D 83/04 (2006.01)**

[25] EN

[54] **MULTI-PIECE DISPENSER FOR USE WITH A CONSUMABLE PRODUCT**

[54] **DISTRIBUTEUR PAR LOT DESTINE A ETRE UTILISE AVEC UN PRODUIT CONSOMMABLE**

[72] POURIAN, NEEMA, US  
[72] MISHRA, SHASHI, IN  
[72] PALIT, ATANU, IN  
[72] VIBHUTE, VINOD, IN  
[72] SINGH, VIJENDER, IN  
[72] PHILLIPS, DAVID, US  
[72] PENTELOVITCH, NOAH, US  
[73] WM. WRIGLEY JR. COMPANY, US

[85] 2012-09-17  
[86] 2011-03-22 (PCT/US2011/029367)  
[87] (WO2011/119564)  
[30] US (61/316,052) 2010-03-22  
[30] US (61/424,391) 2010-12-17

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[11] **2,793,639**  
[13] C

[51] **Int.Cl. B63C 9/22 (2006.01)**

[25] FR

[54] **ON-BOARD RESCUE DEVICE FOR A SHIP**

[54] **DISPOSITIF DE SAUVETAGE EMBARQUE SUR NAVIRE**

[72] MICHAUD, PASCAL, FR  
[72] FOURNY, SEBASTIEN, FR  
[72] DRONNE, CEDRIC, FR  
[73] SURVITEC SAS, FR

[85] 2012-09-17  
[86] 2011-03-16 (PCT/FR2011/050528)  
[87] (WO2011/114054)  
[30] FR (10 51994) 2010-03-19

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[11] **2,794,088**  
[13] C

[51] **Int.Cl. G01N 33/543 (2006.01) B29C 47/00 (2006.01)**

[25] EN

[54] **IMMUNOASSAYS, METHODS FOR CARRYING OUT IMMUNOASSAYS, IMMUNOASSAY KITS AND METHOD FOR MANUFACTURING IMMUNOASSAY KITS**

[54] **IMMUNOESSAIS, PROCEDES PERMETTANT DE REALISER DES IMMUNOESSAIS, KITS D'IMMUNOESSAI ET PROCEDES DE FABRICATION DE KITS D'IMMUNOESSAI**

[72] EDWARDS, ALEXANDER DANIEL, GB  
[72] REIS, NUNO MIGUEL FERNANDES, GB  
[72] MACKLEY, MALCOLM ROBERT, GB  
[72] SLATER, NIGEL KENNETH HARRY, GB  
[73] CAMBRIDGE ENTERPRISE LIMITED, GB

[85] 2012-09-21  
[86] 2011-03-23 (PCT/GB2011/000414)  
[87] (WO2011/117579)  
[30] GB (1005191.0) 2010-03-26

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[11] **2,794,334**  
[13] C

[51] **Int.Cl. C07F 5/02 (2006.01) A61K 31/69 (2006.01) A61K 38/05 (2006.01) A61K 38/06 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **DERIVATIVES OF 1-AMINO-2-CYCLOPROPYLETHYLBORONIC ACID**

[54] **DERIVES D'ACIDE 1-AMINO-2-CYCLOPROPYLETHYLBORONIQ UE**

[72] FLEMING, PAUL E., US  
[72] LI, JING, US  
[73] MILLENNIUM PHARMACEUTICALS, INC., US

[85] 2012-09-24  
[86] 2011-03-30 (PCT/US2011/030455)  
[87] (WO2011/123502)  
[30] US (61/319,464) 2010-03-31

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[11] **2,794,410**  
[13] C

[51] **Int.Cl. H04L 27/26 (2006.01) H04L 5/00 (2006.01)**

[25] EN

[54] **METHOD FOR TRANSFERRING DATA AND INFORMATION ENABLING AN ESTIMATE OF A WIRELESS LINK BETWEEN A SOURCE AND AT LEAST ONE RECEIVER**

[54] **PROCEDE DE TRANSFERT DE DONNEES ET D'INFORMATIONS PERMETTANT UNE ESTIMATION D'UNE LIAISON SANS FIL ENTRE UNE SOURCE ET AU MOINS UN RECEPTEUR**

[72] CASTELAIN, DAMIEN, FR  
[73] MITSUBISHI ELECTRIC R&D CENTRE EUROPE B.V., NL  
[73] MITSUBISHI ELECTRIC CORPORATION, JP

[85] 2012-09-25  
[86] 2011-04-27 (PCT/EP2011/056623)  
[87] (WO2011/138199)  
[30] EP (10161741.3) 2010-05-03

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June 12, 2018**

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[11] **2,794,444**  
[13] C

[51] **Int.Cl. B01F 3/12 (2006.01) B01F 3/00 (2006.01) B01F 15/04 (2006.01)**  
[25] EN  
[54] **SOLID CHEMICAL PRODUCT DILUTION CONTROL**  
[54] **REGULATION DE LA DILUTION D'UN PRODUIT CHIMIQUE SOLIDE**  
[72] POPA, MIHNEA A., US  
[72] MEHUS, RICHARD J., US  
[72] KRAUS, PAUL R., US  
[72] TISCHLER, SHERRI L., US  
[72] OTTING, BLAKE ROBERTS, US  
[73] ECOLAB USA INC., US  
[85] 2012-09-25  
[86] 2011-05-09 (PCT/IB2011/052039)  
[87] (WO2011/145023)  
[30] US (12/784,049) 2010-05-20

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[11] **2,794,566**  
[13] C

[51] **Int.Cl. A61K 31/222 (2006.01) A61K 31/4439 (2006.01) A61P 3/10 (2006.01)**  
[25] EN  
[54] **METHODS OF USING DIACEREIN AS AN ADJUNCTIVE THERAPY FOR DIABETES**  
[54] **METHODES D'UTILISATION DE LA DIACEREINE COMME TRAITEMENT D'APPOINT DU DIABETE**  
[72] KU, MANNCHING SHERRY, US  
[72] GAO, DANCHEN, US  
[72] LU, WEI-SHU, TW  
[72] CHEN, CHIH-MING, TW  
[72] LIN, I-YIN, TW  
[73] TWI BIOTECHNOLOGY, INC., TW  
[85] 2012-09-25  
[86] 2011-04-07 (PCT/US2011/031517)  
[87] (WO2011/127240)  
[30] US (61/321,931) 2010-04-08

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[11] **2,794,825**  
[13] C

[51] **Int.Cl. F04D 29/44 (2006.01) F04D 29/46 (2006.01)**  
[25] FR  
[54] **METHOD FOR ADAPTING THE AIR FLOW OF A TURBINE ENGINE HAVING A CENTRIFUGAL COMPRESSOR AND DIFFUSER FOR IMPLEMENTING SAME**  
[54] **PROCEDE D'ADAPTATION DE DEBIT D'AIR DE TURBOMACHINE A COMPRESSEUR CENTRIFUGE ET DIFFUSEUR DE MISE EN OEUVRE**  
[72] BISCAY, PIERRE, FR  
[72] MARCONI, PATRICK, FR  
[72] VIGNAU, HUBERT HIPPOLYTE, FR  
[73] TURBOMECA, FR  
[85] 2012-09-27  
[86] 2011-04-13 (PCT/FR2011/050846)  
[87] (WO2011/128587)  
[30] FR (1052827) 2010-04-14

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[11] **2,795,178**  
[13] C

[51] **Int.Cl. B66C 6/00 (2006.01) B66C 7/02 (2006.01) B66C 7/08 (2006.01)**  
[25] EN  
[54] **SLANT-TRUSS CRANE RAIL**  
[54] **RAIL DE PONT ROULANT A TREILLIS INCLINE**  
[72] GIVENS, RAY, CA  
[73] GIVENS, RAY, CA  
[85] 2012-09-27  
[86] 2011-01-24 (PCT/CA2011/000089)  
[87] (WO2011/088570)  
[30] US (61/297,476) 2010-01-22

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[11] **2,795,502**  
[13] C

[51] **Int.Cl. B64D 45/00 (2006.01)**  
[25] EN  
[54] **CONTROL SURFACE ELEMENT SKEW AND / OR LOSS DETECTION SYSTEM**  
[54] **SYSTEME DE DETECTION D'OBLIQUETE ET / OU D'AFFAIBLISSEMENT D'UN ELEMENT A SURFACE DE COMMANDE**  
[72] THOMAS, GLYNN, GB  
[73] MOOG WOLVERHAMPTON LIMITED, GB  
[85] 2012-10-04  
[86] 2011-03-23 (PCT/GB2011/050573)  
[87] (WO2011/124904)  
[30] GB (1005966.5) 2010-04-09

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[11] **2,795,530**  
[13] C

[51] **Int.Cl. C07H 17/08 (2006.01) A61K 31/7048 (2006.01) A61P 31/04 (2006.01)**  
[25] EN  
[54] **AMORPHOUS ROXITHROMYCIN COMPOSITION**  
[54] **COMPOSITION DE ROXITHROMYCINE AMORPHE**  
[72] LIEBENBERG, WILNA, ZA  
[72] AUCAMP, MARIQUE, ZA  
[73] NORTH-WEST UNIVERSITY, ZA  
[85] 2012-10-04  
[86] 2011-04-14 (PCT/IB2011/051621)  
[87] (WO2011/128869)  
[30] ZA (2010/02670) 2010-04-16

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[13] C

[51] **Int.Cl. B01J 13/18 (2006.01) A61K 8/11 (2006.01) C09B 67/00 (2006.01) C11D 3/50 (2006.01) C11D 17/00 (2006.01) D06M 23/12 (2006.01)**

[25] EN

[54] **COMPOSITIONS INCLUDING DELIVERY PARTICLES COMPRISING PARTITIONING MODIFIERS AND BENEFIT AGENTS**

[54] **COMPOSITIONS COMPORTANT DES PARTICULES D'ADMINISTRATION COMPRENANT DES MODIFICATEURS DE FRACTIONNEMENT ET DES AGENTS TRAITANTS**

[72] DIHORA, JITEN ODHAVJI, US

[72] SMETS, JOHAN, BE

[72] SCHWANTES, TODD ARLIN, US

[73] THE PROCTER & GAMBLE COMPANY, US

[85] 2012-10-04

[86] 2010-05-12 (PCT/IB2010/052127)

[87] (WO2010/079468)

[30] US (61/328,949) 2010-04-28

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[11] **2,795,679**  
[13] C

[51] **Int.Cl. A61C 19/06 (2006.01) A61C 7/00 (2006.01) A61N 7/00 (2006.01)**

[25] EN

[54] **ULTRASONIC METHODS AND DEVICES FOR DENTAL TREATMENT**

[54] **PROCEDES ET DISPOSITIFS ULTRASONORES POUR TRAITEMENT DENTAIRE**

[72] SCURTESCU, CRISTIAN, CA

[73] SMILESONICA INC., CA

[85] 2012-10-05

[86] 2011-04-29 (PCT/CA2011/000498)

[87] (WO2011/134071)

[30] US (61/330,235) 2010-04-30

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[11] **2,795,876**  
[13] C

[51] **Int.Cl. B65D 19/26 (2006.01) B65D 19/40 (2006.01)**

[25] EN

[54] **SHIPPING PALLET POST REINFORCEMENT**

[54] **RENFORCEMENT DE MONTANTS DE PALETTE D'EXPEDITION**

[72] SKUDUTIS, TOMMY J., CA

[72] GRGAC, STEVEN, CA

[73] MAGNA INTERNATIONAL INC., CA

[85] 2012-10-05

[86] 2011-04-07 (PCT/IB2011/001177)

[87] (WO2011/135453)

[30] US (61/342,044) 2010-04-08

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[11] **2,796,258**  
[13] C

[51] **Int.Cl. D21H 23/24 (2006.01) D21F 1/80 (2006.01) D21H 17/25 (2006.01) D21H 17/33 (2006.01) D21H 21/10 (2006.01)**

[25] EN

[54] **PAPER MAKING PROCESSES AND SYSTEM USING ENZYME AND CATIONIC COAGULANT COMBINATION**

[54] **PROCEDE DE FABRICATION DE PAPIER ET SYSTEME UTILISANT UNE COMBINAISON D'ENZYME ET DE COAGULANT CATIONIQUE**

[72] BAN, WEIPING, US

[72] HEADRICK, GARY, US

[72] COVARRUBIAS, ROSA M., US

[73] BUCKMAN LABORATORIES INTERNATIONAL, INC., US

[85] 2012-10-11

[86] 2011-04-14 (PCT/US2011/032475)

[87] (WO2011/130503)

[30] US (61/324,499) 2010-04-15

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[11] **2,797,204**  
[13] C

[51] **Int.Cl. A61M 37/00 (2006.01) A61M 5/158 (2006.01)**

[25] EN

[54] **DEVICE FOR DELIVERY OF RHEUMATOID ARTHRITIS MEDICATION**

[54] **DISPOSITIF POUR ADMINISTRER UN MEDICAMENT CONTRE L'ARTHRITE RHUMATOIDE**

[72] ROSS, RUSSELL FREDERICK, US

[73] KIMBERLY-CLARK WORLDWIDE, INC., US

[85] 2012-10-23

[86] 2011-04-27 (PCT/IB2011/051861)

[87] (WO2011/135530)

[30] US (61/328,723) 2010-04-28

[30] US (61/411,101) 2010-11-08

[30] US (61/435,973) 2011-01-25

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[11] **2,797,467**  
[13] C

[51] **Int.Cl. F23D 14/04 (2006.01) F23D 14/26 (2006.01) F23D 14/56 (2006.01) F23D 14/58 (2006.01)**

[25] EN

[54] **MULTIFLAME BURNER WITH FLAME TRANSFER**

[54] **BRULEUR MULTI-FLAMME A TRANSMISSION DE FLAMME**

[72] IMGRUNDT, ANTON, DE

[72] STOCKER, JOHANN, DE

[73] LINDE AKTIENGESELLSCHAFT, DE

[85] 2012-10-25

[86] 2011-02-10 (PCT/EP2011/051942)

[87] (WO2011/134687)

[30] DE (10 2010 028 396.7) 2010-04-29

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[13] C

[51] **Int.Cl. B32B 5/18 (2006.01) B29C 44/56 (2006.01) B32B 3/06 (2006.01) B32B 3/30 (2006.01) B32B 5/32 (2006.01) B32B 7/14 (2006.01) B32B 27/30 (2006.01) C08J 5/12 (2006.01)**

[25] EN

[54] **LAMINATED FOAMS WITH MATING PEAKS AND GROOVES**

[54] **MOUSSES STRATIFIEES AVEC PICS ET RAINURES DE COUPLAGE**

[72] GORDON-DUFFY, JOHN, CH  
[72] BORGWARDT, ANETT, CH  
[73] DOW GLOBAL TECHNOLOGIES LLC, US  
[85] 2012-10-26  
[86] 2011-04-20 (PCT/US2011/033139)  
[87] (WO2011/136990)  
[30] US (61/328,685) 2010-04-28

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[11] **2,797,674**  
[13] C

[51] **Int.Cl. B01D 53/86 (2006.01) A61M 16/08 (2006.01) A61M 16/10 (2006.01) F16L 25/00 (2006.01) F16L 37/10 (2006.01)**

[25] EN

[54] **NITROSYL SPECIAL CONNECTOR**

[54] **RACCORD SPECIFIQUE DU NITROSYLE**

[72] FULLER, JODY, US  
[72] FINE, DAVID H., US  
[73] GENO LLC, US  
[85] 2012-10-26  
[86] 2011-04-26 (PCT/US2011/033964)  
[87] (WO2011/137122)  
[30] US (61/328,004) 2010-04-26

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[11] **2,797,831**  
[13] C

[51] **Int.Cl. C01B 25/30 (2006.01) B01J 19/28 (2006.01) C01B 25/37 (2006.01) H01M 4/58 (2010.01)**

[25] EN

[54] **METHOD OF MANUFACTURING A LITHIUM TRANSITION METAL PHOSPHATE**

[54] **PROCEDE POUR LA FABRICATION D'UN LITHIUM-METAL DE TRANSITION-PHOSPHATE**

[72] KIM, CHUN JOONG, KR  
[72] PARK, YUN JUNG, KR  
[72] CHANG, DONG GYU, KR  
[72] PARK, JI HO, KR  
[72] YANG, WOO YOUNG, KR  
[73] SAMSUNG SDI CO., LTD., KR  
[85] 2012-10-29  
[86] 2011-04-20 (PCT/KR2011/002816)  
[87] (WO2011/136497)  
[30] KR (10-2010-0040797) 2010-04-30

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[11] **2,797,851**  
[13] C

[51] **Int.Cl. E06B 9/322 (2006.01) E06B 9/32 (2006.01) E06B 9/326 (2006.01)**

[25] EN

[54] **CORD TENSION CONTROL FOR TOP DOWN/BOTTOM UP COVERING FOR ARCHITECTURAL OPENINGS**

[54] **COMMANDE DE TENSION DE CORDON POUR UNE COUVERTURE DE HAUT EN BAS/DE BAS EN HAUT POUR DES OUVERTURES ARCHITECTURALES**

[72] DREW, TERRENCE M., US  
[72] FEARNOW, JON C., US  
[72] SPRAY, JEFFREY L., US  
[72] FUJITA, SUZANNE M., US  
[73] HUNTER DOUGLAS INC., US  
[85] 2012-10-29  
[86] 2011-04-28 (PCT/US2011/034239)  
[87] (WO2011/137205)  
[30] US (12/771,101) 2010-04-30

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[11] **2,797,990**  
[13] C

[51] **Int.Cl. B05B 7/08 (2006.01)**

[25] EN

[54] **NON-CYLINDRICAL-SHAPED OPENINGS INTO NOZZLE HEAD**

[54] **TETE A BUSES POUR UN DISPOSITIF DE PULVERISATION**

[72] SCHMON, EWALD, DE  
[72] DETTLAFF, PETER, DE  
[73] SATA GMBH & CO. KG, DE  
[85] 2012-10-30  
[86] 2011-05-21 (PCT/EP2011/002544)  
[87] (WO2011/147555)  
[30] DE (20 2010 007 355.3) 2010-05-28

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[11] **2,798,230**  
[13] C

[51] **Int.Cl. A23P 20/10 (2016.01) A23L 7/122 (2016.01) A23L 27/30 (2016.01) A23L 29/20 (2016.01) A23L 33/10 (2016.01) A23L 33/125 (2016.01) A23L 33/20 (2016.01)**

[25] EN

[54] **REDUCED CALORIE AND SUGAR-FREE COATING FOR FOOD PRODUCTS COMPRISING ERYTHRITOL AND A BULKING AGENT**

[54] **ENROBAGE EXEMPT DE SUCRE ET HYPOCALORIQUE POUR PRODUITS ALIMENTAIRES COMPRENANT DE L'ERYTHRITOL ET UN AGENT GONFLANT**

[72] ALEXANDRE, BEN, BE  
[72] VAN HAVERE, MARTINE M. R., BE  
[72] VERCAUTEREN, RONNY LEONTINA MARCEL, BE  
[73] CARGILL INCORPORATED, US  
[85] 2012-11-01  
[86] 2011-05-02 (PCT/US2011/034770)  
[87] (WO2011/139959)  
[30] US (61/330,746) 2010-05-03

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[11] **2,798,361**  
[13] C

[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/08 (2006.01) D02J 3/02 (2006.01) D02J 3/10 (2006.01)**

[25] EN

[54] **LASER CUTTING SYSTEM AND METHODS FOR CREATING SELF-RETAINING SUTURES**

[54] **SYSTEME DE DECOUPE PAR LASER ET PROCEDES DE CREATION DE SUTURES AUTORETENTIVES**

[72] GROSS, JEFFREY M., US

[72] D'AGOSTINO, WILLIAM L., US

[72] DRUBETSKY, LEV, CA

[72] NAIMAGON, ALEXANDER, CA

[72] CONNER, JACOB D., US

[72] WHITWORTH, KEVIN R., US

[72] WOOLSEY, RYAN T., US

[72] DICKEY, FRED M., US

[73] ETHICON, LLC, US

[85] 2012-11-02

[86] 2011-05-04 (PCT/US2011/035270)

[87] (WO2011/140282)

[30] US (61/331,302) 2010-05-04

[30] US (61/331,294) 2010-05-04

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[11] **2,798,586**  
[13] C

[51] **Int.Cl. G21B 3/00 (2006.01)**

[25] EN

[54] **LOCALISED ENERGY CONCENTRATION**

[54] **CONCENTRATION LOCALISEE D'ENERGIE**

[72] VENTIKOS, YIANNIS, GB

[72] HAWKER, NICHOLAS, GB

[73] OXFORD UNIVERSITY INNOVATION LIMITED, GB

[85] 2012-11-06

[86] 2011-05-09 (PCT/GB2011/050889)

[87] (WO2011/138622)

[30] GB (1007655.2) 2010-05-07

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[11] **2,798,917**  
[13] C

[51] **Int.Cl. D21C 9/00 (2006.01) D21C 9/10 (2006.01) D21C 9/16 (2006.01) D21D 1/02 (2006.01) D21D 1/20 (2006.01) D21D 1/30 (2006.01) D21D 1/34 (2006.01)**

[25] EN

[54] **FREENESS OF PAPER PRODUCTS**

[54] **INDICE D'EGOUTTAGE DE PRODUITS PAPETIERS**

[72] HAGE, RONALD, NL

[72] YANG, KIMBERLY SORAYA, NL

[73] CATEXEL LIMITED, GB

[85] 2012-11-08

[86] 2011-05-09 (PCT/GB2011/000709)

[87] (WO2011/141692)

[30] EP (10162405.4) 2010-05-10

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[11] **2,798,976**  
[13] C

[51] **Int.Cl. C08K 5/098 (2006.01) C08K 5/00 (2006.01) C08K 5/103 (2006.01)**

[25] EN

[54] **OXYGEN SCAVENGING COMPOSITIONS**

[54] **COMPOSITIONS DESOXYGENANTES**

[72] ROELOFS, JULES CASPAR ALBERT ANTON, NL

[72] STOOP, JEROEN, NL

[73] HOLLAND COLOURS N.V., NL

[85] 2012-11-08

[86] 2011-05-11 (PCT/NL2011/050320)

[87] (WO2011/142668)

[30] EP (10162737.0) 2010-05-12

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[11] **2,799,097**  
[13] C

[51] **Int.Cl. H05B 33/08 (2006.01) H02M 3/07 (2006.01)**

[25] EN

[54] **ADAPTIVE CIRCUIT**

[54] **CIRCUIT ADAPTATIF**

[72] RADERMACHER, HARALD, NL

[73] PHILIPS LIGHTING HOLDING B.V., NL

[85] 2012-11-09

[86] 2011-05-05 (PCT/IB2011/051992)

[87] (WO2011/141856)

[30] CN (201010176180.0) 2010-05-14

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[11] **2,799,727**  
[13] C

[51] **Int.Cl. C07D 209/58 (2006.01) A61K 31/403 (2006.01) A61K 31/473 (2006.01) A61K 31/551 (2006.01) A61P 31/00 (2006.01) C07D 221/18 (2006.01) C07D 243/10 (2006.01) C07D 405/04 (2006.01) C07D 405/06 (2006.01) C07D 487/04 (2006.01)**

[25] EN

[54] **POLYCYCLIC TETRACYCLINE COMPOUNDS**

[54] **COMPOSES POLYCYCLIQUES DE TETRACYCLINE**

[72] XIAO, XIAO-YI, US

[72] CLARK, ROGER, US

[72] HUNT, DIANA, US

[72] RONN, MAGNUS, US

[72] PLAMONDON, LOUIS, US

[72] HE, MINSHENG, US

[72] SUTCLIFFE, JOYCE, US

[72] GROSSMAN, TRUDY, US

[73] TETRAPHASE PHARMACEUTICALS, INC., US

[85] 2012-11-16

[86] 2011-03-30 (PCT/US2011/030532)

[87] (WO2011/123536)

[30] US (61/319,614) 2010-03-31

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[11] **2,799,756**  
[13] C

[51] **Int.Cl. A61L 2/24 (2006.01) A61L 2/18 (2006.01) B08B 3/08 (2006.01) C25B 1/26 (2006.01) D06B 19/00 (2006.01) C02F 1/461 (2006.01)**

[25] EN

[54] **CONTROL SYSTEM AND METHOD OF USE FOR CONTROLLING CONCENTRATIONS OF ELECTROLYZED WATER IN CIP APPLICATIONS**

[54] **SYSTEME DE COMMANDE ET PROCEDE D'UTILISATION POUR REGULER LES CONCENTRATIONS DANS UNE EAU ELECTROLYSEE DANS DES APPLICATIONS CIP**

[72] HERDT, BRANDON, US

[72] RYTHER, ROBERT, US

[73] ECOLAB USA INC., US

[85] 2012-11-16

[86] 2011-06-27 (PCT/IB2011/052828)

[87] (WO2012/001618)

[30] US (12/826,922) 2010-06-30

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June 12, 2018**

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[13] C

[51] **Int.Cl. B01D 53/60 (2006.01) B01D 45/12 (2006.01) B01D 53/86 (2006.01) B01J 38/00 (2006.01) B03C 1/00 (2006.01) B03C 3/00 (2006.01) C10G 11/18 (2006.01)**

[25] EN

[54] **CRACKING CATALYST, ADDITIVES, METHODS OF MAKING THEM AND USING THEM**

[54] **CATALYSEUR DE CRAQUAGE, ADDITIFS, LEURS PROCÉDES DE FABRICATION ET D'UTILISATION**

[72] EVANS, MARTIN, US  
[72] FLETCHER, RAY, US  
[72] ALLAHVERDI, MEDHI, US  
[72] ARU, GUIDO, US  
[72] DIDDAMS, PAUL, CZ  
[72] MO, XUNHUA, US  
[72] REAGAN, WILLIAM, US  
[72] SITHAMBARAM, SHANTHAKUMAR, US

[73] INTERCAT, INC., US

[85] 2012-11-23

[86] 2011-05-25 (PCT/US2011/038005)

[87] (WO2011/150130)

[30] US (61/396,255) 2010-05-25

[30] US (61/428,654) 2010-12-30

[30] US (61/437,866) 2011-01-31

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[11] **2,801,048**  
[13] C

[51] **Int.Cl. A61K 31/736 (2006.01) A61K 8/73 (2006.01) A61K 31/12 (2006.01) A61K 31/198 (2006.01) A61L 15/28 (2006.01) A61L 15/44 (2006.01) A61L 15/60 (2006.01) A61P 17/00 (2006.01) A61P 17/02 (2006.01) A61P 17/16 (2006.01) A61Q 17/04 (2006.01)**

[25] EN

[54] **ANTIOXIDANT COMPOSITION COMPRISING GALACTOMANNAN AND N-ACETYL CYSTEINE**

[54] **COMPOSITONS ANTIOXYDANTES RENFERMANT DU GALACTOMANNAN ET DE LA N-ACETYLCYSTEINE**

[72] CASTRO FEO, MARIA BEGONA, ES  
[72] AZCOITIA RAMSDEN, IKER, ES  
[72] PALOMARES CASADO, TEODORO, ES

[72] HERRERO DE MIGUEL, JONE, ES

[72] ALONSO VARONA, ANA ISABEL, ES

[72] DEL OLMO BASTERRECHEA, MAITE, ES

[73] HISTOCELL, S.L., ES

[85] 2012-11-28

[86] 2011-06-14 (PCT/ES2011/070427)

[87] (WO2011/157880)

[30] EP (10165939.9) 2010-06-15

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[11] **2,801,230**  
[13] C

[51] **Int.Cl. B05B 5/16 (2006.01) B05B 12/14 (2006.01)**

[25] EN

[54] **ELECTROSTATIC SPRAY APPARATUS AND METHOD**

[54] **APPAREIL ET PROCÉDE DE PULVERISATION ELECTROSTATIQUE**

[72] MARTY, BRIAN L., US  
[72] TURNER, HEIDI M., US  
[72] HERFINDAL, LARRY L., US  
[72] ANDERSON, ANDREA, US  
[73] VALSPAR HOLDINGS I, INC., US

[85] 2012-11-29

[86] 2011-07-21 (PCT/US2011/044827)

[87] (WO2012/012621)

[30] US (61/366,277) 2010-07-21

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[11] **2,801,429**  
[13] C

[51] **Int.Cl. C10G 1/00 (2006.01) C08J 11/16 (2006.01) C10B 47/20 (2006.01) C10G 1/08 (2006.01) C10G 1/10 (2006.01) C10G 32/02 (2006.01)**

[25] EN

[54] **PROCESS FOR THE PRODUCTION OF BIOFUEL**

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

[72] LARSEN, TOMMY FREDERIK, DK  
[72] ANDERSEN, ERIK ROSE, DK  
[72] HJORTSHOJ, ANDERS, DK

[73] ORGANIC FUEL TECHNOLOGY A/S, DK

[85] 2012-12-03

[86] 2011-04-20 (PCT/DK2011/050129)

[87] (WO2011/131207)

[30] EP (10160895.8) 2010-04-23

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[11] **2,801,996**  
[13] C

[51] **Int.Cl. C07K 16/28 (2006.01) C12N 5/16 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01) G01N 33/53 (2006.01) G01N 33/574 (2006.01)**

[25] EN

[54] **CMET ANTIBODIES FOR THE DIAGNOSIS AND/OR PROGNOSIS OF CANCER**

[54] **ANTICORPS CMET DESTINES AU DIAGNOSTIC ET AU PRONOSTIC DU CANCER**

[72] JOUHANNEAUD, ALEXANDRA, FR  
[73] PIERRE FABRE MEDICAMENT, FR

[85] 2012-12-07

[86] 2011-06-29 (PCT/EP2011/060930)

[87] (WO2012/007280)

[30] US (61/359,623) 2010-06-29

[30] EP (10305703.0) 2010-06-29

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[11] **2,802,594**  
[13] C

[51] **Int.Cl. B05D 1/22 (2006.01) B05C 3/02 (2006.01)**

[25] EN

[54] **COATING APPARATUS**

[54] **APPAREIL DE REVETEMENT**

[72] BAMFORD, BRAD, CA

[73] AUTOMATIC COATING LIMITED, CA

[86] (2802594)

[87] (2802594)

[22] 2013-01-17

[30] US (61/587,605) 2012-01-17

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[11] **2,802,961**  
[13] C

[51] **Int.Cl. A61B 5/103 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR DETERMINING STRUCTURAL CHARACTERISTICS OF AN OBJECT**  
[54] **SYSTEME ET PROCEDE DE DETERMINATION DE CARACTERISTIQUES STRUCTURELLES D'UN OBJET**  
[72] EARTHMAN, JAMES, US  
[72] SHEETS, CHERILYN, US  
[73] PERIMETRICS, LLC, US  
[85] 2012-12-14  
[86] 2011-06-18 (PCT/US2011/041006)  
[87] (WO2011/160102)  
[30] US (61/356,599) 2010-06-19  
[30] US (61/442,293) 2011-02-14

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[11] **2,803,721**  
[13] C

[51] **Int.Cl. A61K 31/585 (2006.01) A61P 15/18 (2006.01)**  
[25] EN  
[54] **PHARMACEUTICAL COMPOSITION COMPRISING DROSPIRENONE AND CONTRACEPTIVE KIT**  
[54] **COMPOSITION PHARMACEUTIQUE CONTENANT DE LA DROSPIRENONE ET KIT CONTRACEPTIF**  
[72] VELADA, JOSE, NL  
[72] DROUIN, DOMINIQUE, FR  
[72] PERRIN, PHILIPPE, FR  
[73] LABORATORIOS LEON FARMA SA, ES  
[85] 2012-12-21  
[86] 2011-06-28 (PCT/EP2011/060795)  
[87] (WO2012/000981)  
[30] EP (10305708.9) 2010-06-29  
[30] US (61/368,396) 2010-07-28

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[11] **2,803,762**  
[13] C

[51] **Int.Cl. A01D 57/20 (2006.01)**  
[25] EN  
[54] **DRAPER SEAL FOR CROP HEADER**  
[54] **ELEMENT ETANCHE DE CONVOYEUR A TOILE POUR BEC CUEILLEUR DE RECOLTE**  
[72] LEYS, DARREN, CA  
[72] LINDMARK, BARRY, CA  
[73] HONEY BEE MANUFACTURING LTD., CA  
[86] (2803762)  
[87] (2803762)  
[22] 2013-01-30  
[30] CA (2799093) 2012-12-18

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[11] **2,803,764**  
[13] C

[51] **Int.Cl. E06B 7/22 (2006.01) E06B 7/16 (2006.01)**  
[25] EN  
[54] **SASH BINDER**  
[54] **LIANT POUR CADRE**  
[72] VALLER, JESS J., US  
[72] SAUNDERS, MELVIN, US  
[73] MILGARD MANUFACTURING INCORPORATED, US  
[85] 2012-12-21  
[86] 2011-06-03 (PCT/US2011/039099)  
[87] (WO2011/153453)  
[30] US (12/794,618) 2010-06-04

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[11] **2,803,782**  
[13] C

[51] **Int.Cl. H02G 9/06 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND APPARATUS FOR PROTECTING SUBSURFACE CONDUIT AND METHODS OF MAKING AND USING THE SAME**  
[54] **SYSTEMES ET APPAREIL DE PROTECTION DE CONDUIT SOUTERRAIN ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**  
[72] WEGENER, ROBERT W., US  
[73] TERRA TECHNOLOGIES, LLC, US  
[85] 2012-12-21  
[86] 2011-05-13 (PCT/US2011/036388)  
[87] (WO2011/162886)  
[30] US (61/366,894) 2010-06-22  
[30] US (13/106,386) 2011-05-12

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[13] C

[51] **Int.Cl. F04D 15/00 (2006.01) B65D 90/22 (2006.01) B65D 90/48 (2006.01) F04D 13/08 (2006.01)**  
[25] EN  
[54] **WELL WATCHMAN PUMPING AND CONTROL SYSTEM**  
[54] **SYSTEME DE COMMANDE ET DE POMPAGE WELL WATCHMAN**  
[72] LISK, MIKE, US  
[73] LISK, MIKE, US  
[85] 2012-12-21  
[86] 2011-06-23 (PCT/US2011/041694)  
[87] (WO2011/163521)  
[30] US (12/822,077) 2010-06-23  
[30] US (61/572,302) 2010-06-23  
[30] US (13/167,328) 2011-06-23

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[11] **2,803,981**  
[13] C

[51] **Int.Cl. B64C 25/16 (2006.01)**  
[25] FR  
[54] **METHOD FOR ADJUSTING THE DOORS OF A LANDING GEAR BAY, AND ASSOCIATED DOOR**  
[54] **PROCEDE DE REGLAGE DES TRAPPES DE CASE DE TRAIN D'ATTERRISSAGE ET TRAPPE DE MISE EN OEUVRE**  
[72] GLEYZE, GILBERT, FR  
[73] AIRBUS OPERATIONS SAS, FR  
[85] 2012-12-27  
[86] 2011-07-05 (PCT/FR2011/051577)  
[87] (WO2012/004510)  
[30] FR (1055634) 2010-07-09

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[11] **2,804,069**  
[13] C

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4745 (2006.01) A61K 31/496 (2006.01) A61P 35/00 (2006.01) C07D 215/38 (2006.01)**  
[25] EN  
[54] **PYRAZOLOQUINOLINES**  
[54] **PYRAZOLOQUINOLEINES**  
[72] FUCHSS, THOMAS, DE  
[72] MEDERSKI, WERNER, DE  
[72] ZENKE, FRANK, DE  
[73] MERCK PATENT GMBH, DE  
[85] 2012-12-28  
[86] 2011-06-24 (PCT/EP2011/003127)  
[87] (WO2012/000632)  
[30] DE (10 2010 025 786.9) 2010-07-01

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[11] **2,804,571**  
[13] C

[51] **Int.Cl. E04B 1/82 (2006.01)**  
[25] FR  
[54] **SOUND INSULATION**  
[54] **ISOLANT PHONIQUE**  
[72] BRUNSWICK, JEAN-CLAUDE, FR  
[73] BRUNSWICK ET FILS, FR  
[86] (2804571)  
[87] (2804571)  
[22] 2013-01-23  
[30] FR (12 50968) 2012-02-02

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[11] **2,805,341**  
[13] C

[51] **Int.Cl. A23L 27/30 (2016.01) C13B 50/00 (2011.01)**  
[25] EN  
[54] **PROCESS FOR THE MANUFACTURE OF CO-CRYSTALLIZED SUCROSE NATURAL SWEETENERS AND THE PRODUCTS THEREOF**  
[54] **PROCEDE DE FABRICATION D'EDULCORANTS NATURELS DE SACCHAROSE-POLYOL CO-CRISTALLISES ET PRODUITS ASSOCIES**  
[72] HAMMOND, JAMES P., US  
[72] GERDES, DARRELL, US  
[72] RESCH, ROXANNE, US  
[72] RATHKE, THOMAS, US  
[73] IMPERIAL SUGAR COMPANY, US  
[85] 2012-09-14  
[86] 2011-03-16 (PCT/US2011/028739)  
[87] (WO2011/116143)  
[30] US (61/314,541) 2010-03-16

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[11] **2,805,523**  
[13] C

[51] **Int.Cl. A61K 9/48 (2006.01) A61K 31/407 (2006.01) A61K 47/10 (2017.01)**  
[25] EN  
[54] **PHARMACEUTICAL DOSAGE FORM COMPRISING 6'-FLUORO-(N-METHYL- OR N,N-DIMETHYL-)-4-PHENYL-4',9'-DIHYDRO-3'H-SPIRO[CYCLOHEXANE-1,1'-PYRANO[3,4,B]INDOL]-4-AMINE FOR THE TREATMENT OF NOCICEPTIVE PAIN**  
[54] **FORME GALENIQUE PHARMACEUTIQUE COMPRENANT 6'-FLUORO-(N-METHYL- OR N,N-DIMETHYL-)-4-PHENYL-4',9'-DIHYDRO-3'H-SPIRO[CYCLOHEXANE-1,1'-PYRANO[3,4,B]INDOL]-4-AMINE POUR LE TRAITEMENT DE LA DOULEUR NOCICEPTIVE**  
[72] GRUENING, NADJA, DE  
[72] SCHILLER, MARC, DE  
[72] FRIEDRICH, INGO, DE  
[72] KIRBY, CHRIS, GB  
[72] HEMANI, ASHISH, GB  
[72] BOTHMER, JOHN, NL  
[72] SCHOLZ, ANDREAS, DE  
[73] GRUENENTHAL GMBH, DE  
[85] 2013-01-15  
[86] 2011-08-04 (PCT/EP2011/003907)  
[87] (WO2012/016697)  
[30] US (61/370,648) 2010-08-04  
[30] US (61/370,643) 2010-08-04  
[30] US (61/370,634) 2010-08-04  
[30] EP (10 008 117.3) 2010-08-04  
[30] EP (10 008 116.5) 2010-08-04  
[30] EP (10 008 115.7) 2010-08-04

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[11] **2,805,687**  
[13] C

[51] **Int.Cl. B01F 17/00 (2006.01) B82Y 30/00 (2011.01)**  
[25] FR  
[54] **COMPOSITION IN THE FORM OF AN EMULSION, COMPRISING A HYDROPHOBIC PHASE DISPERSED IN AN AQUEOUS PHASE**  
[54] **COMPOSITION SOUS FORME D'EMULSION, COMPRENANT UNE PHASE HYDROPHOBE DISPERSEE DANS UNE PHASE AQUEUSE**  
[72] CATHALA, BERNARD, FR  
[72] CAPRON, ISABELLE, FR  
[72] BIZOT, HERVE, FR  
[72] BULEON, ALAIN, FR  
[72] KALASHNIKOVA, IRINA, RU  
[73] INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE - INRA, FR  
[85] 2013-01-16  
[86] 2011-07-18 (PCT/FR2011/051717)  
[87] (WO2012/017160)  
[30] FR (1055836) 2010-07-19

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[11] **2,806,094**  
[13] C

[51] **Int.Cl. A61K 31/198 (2006.01) A61K 31/5415 (2006.01) A61P 11/00 (2006.01) A61P 13/00 (2006.01) A61P 17/00 (2006.01) A61P 19/00 (2006.01) A61P 31/04 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01)**  
[25] EN  
[54] **COMPOSITION AND METHOD FOR PHOTODYNAMIC DISINFECTION**  
[54] **COMPOSITION ET PROCEDE DE DESINFECTION PHOTODYNAMIQUE**  
[72] BIEL, MERRILL, US  
[73] ADVANCED PHOTODYNAMIC TECHNOLOGIES, INC., US  
[85] 2013-01-18  
[86] 2011-07-26 (PCT/US2011/045367)  
[87] (WO2012/015820)  
[30] US (61/369,166) 2010-07-30



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[11] **2,806,134**  
[13] C

[51] **Int.Cl. A23G 9/38 (2006.01) A23G 9/40 (2006.01)**  
[25] EN  
[54] **SHELF-STABLE CONFECTIONERY PRODUCTS**  
[54] **PRODUITS DE CONFISERIE A LONGUE CONSERVATION**  
[72] UMMADI, MADHAVI, US  
[72] VAGHELA, MADANSINH NATHUSINH, US  
[72] BUTTERWORTH, AARON BETH, US  
[72] PANDYA, NIRAV CHANDRAKANT, US  
[72] MCCUNE, BRIDGETT LYNN, US  
[72] SCHMITT, CHRISTOPHE JOSEPH ETIENNE, CH  
[72] SAIKALI, JOUMANA, FR  
[72] OLMOS, PAOLA, FR  
[73] NESTEC S.A., CH  
[85] 2013-01-22  
[86] 2011-07-22 (PCT/EP2011/062617)  
[87] (WO2012/016852)  
[30] EP (10171993.8) 2010-08-05

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[11] **2,806,294**  
[13] C

[51] **Int.Cl. G01N 33/50 (2006.01)**  
[25] EN  
[54] **NOVEL ULTRASENSITIVE CELL BASED SENSORS AND USES THEREOF**  
[54] **NOUVEAUX CAPTEURS ULTRASENSIBLES A BASE DE CELLULES ET LEURS UTILISATIONS**  
[72] PAZ ROJAS, ELIER, ES  
[72] MONTERO-PENALVO, MARIA DE GRACIAS, ES  
[72] LUNA GUERRERO, VERONICA INMACULADA, ES  
[72] GARCIA MACEIRA, FE ISABEL, ES  
[72] MORALES MARTINEZ, JOSE ANDRES, ES  
[72] GARCIA MACEIRA, TANIA, ES  
[72] ARAGON GOMEZ, ANA BELEN, ES  
[72] QUESADA MOLINA, ANA, ES  
[72] MARQUEZ MORALES, AURORA MARIA, ES  
[73] CANVAX BIOTECH SL, ES  
[85] 2013-01-22  
[86] 2010-07-28 (PCT/EP2010/004619)  
[87] (WO2012/013204)

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[11] **2,806,460**  
[13] C

[51] **Int.Cl. E21B 43/20 (2006.01) G01N 33/24 (2006.01) G01N 15/08 (2006.01)**  
[25] EN  
[54] **APPARATUS AND METHOD FOR TESTING MULTIPLE SAMPLES**  
[54] **APPAREIL ET PROCEDE POUR TESTER DE MULTIPLES ECHANTILLONS**  
[72] COLLINS, IAN RALPH, GB  
[72] COUVES, JOHN WILLIAM, GB  
[72] GAGEA, BOGDAN COSTIN, GB  
[72] LAGER, ARNAUD, GB  
[72] WEBB, KEVIN JOHN, GB  
[73] BP EXPLORATION OPERATING COMPANY LIMITED, GB  
[85] 2013-01-24  
[86] 2011-07-29 (PCT/GB2011/001153)  
[87] (WO2012/017197)  
[30] EP (10251410.6) 2010-08-06

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[11] **2,807,287**  
[13] C

[51] **Int.Cl. B25J 18/00 (2006.01) B25J 17/00 (2006.01)**  
[25] EN  
[54] **MANIPULATOR ARM MODULE**  
[54] **MODULE DE BRAS MANIPULATEUR**  
[72] BAKIR, AHMAD KAMAL, CA  
[73] JOMHA, NAJIB, CA  
[73] BAKIR, AHMAD KAMAL, CA  
[86] (2807287)  
[87] (2807287)  
[22] 2013-02-26

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[11] **2,807,959**  
[13] C

[51] **Int.Cl. H04N 19/91 (2014.01)**  
[25] EN  
[54] **VIDEO ENCODING METHOD, VIDEO DECODING METHOD, VIDEO ENCODING APPARATUS, VIDEO DECODING APPARATUS, AND VIDEO ENCODING/DECODING APPARATUS**  
[54] **METHODE DE CODAGE VIDEO, METHODE DE DECODAGE VIDEO, APPAREIL DE CODAGE VIDEO, APPAREIL DE DECODAGE VIDEO ET APPAREIL DE CODAGE/DECODAGE VIDEO**  
[72] SASAI, HISAO, JP  
[72] NISHI, TAKAHIRO, JP  
[72] SHIBAHARA, YOUJI, JP  
[72] SUGIO, TOSHIYASU, JP  
[72] TANIKAWA, KYOKO, JP  
[72] MATSUNOBU, TORU, JP  
[73] SUN PATENT TRUST, US  
[85] 2013-02-08  
[86] 2012-07-13 (PCT/JP2012/004538)  
[87] (WO2013/018296)  
[30] US (61/513,141) 2011-07-29

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[11] **2,808,051**  
[13] C

[51] **Int.Cl. A61M 39/10 (2006.01) A61M 25/16 (2006.01) A61M 39/02 (2006.01)**  
[25] EN  
[54] **COLLET LOCK**  
[54] **VERROU DE PINCE DE SERRAGE**  
[72] BIZUP, RAYMOND, US  
[73] MEDICAL COMPONENTS, INC., US  
[85] 2013-02-11  
[86] 2011-08-10 (PCT/US2011/047157)  
[87] (WO2012/021562)  
[30] US (61/372,260) 2010-08-10

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[11] **2,808,168**  
[13] C

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/04 (2006.01)**  
[25] EN  
[54] **STEM CELL FUSION MODEL OF CARCINOGENESIS**  
[54] **MODELE DE CARCINOGENESE PAR FUSION DE CELLULES SOUCHES**  
[72] HARRIS, DAVID T., US  
[72] TSANG, TOM C., US  
[72] HE, XIANGHUI, CN  
[72] PIPES, BRIAN L., US  
[72] MEADE-TOLLIN, LINDA C., US  
[73] ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, US  
[86] (2808168)  
[87] (2808168)  
[22] 2006-08-25  
[62] 2,620,616  
[30] US (60/711,249) 2005-08-25

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[11] **2,808,169**  
[13] C

[51] **Int.Cl. A01G 3/00 (2006.01) A01G 31/00 (2018.01) C03C 13/06 (2006.01) C03C 27/10 (2006.01)**  
[25] EN  
[54] **A METHOD OF GROWING PLANTS**  
[54] **PROCEDE DE CULTURE DE PLANTES**  
[72] NAERUM, LARS, DK  
[72] NISSEN, POVL, DK  
[72] HANSEN, ERLING LENNART, DK  
[72] CUYPERS, JEAN MARIE WILHELMUS, NL  
[72] HEMPENIUS, EELKE GJALT, NL  
[72] JANSSEN, FRANK HENDRIKUS PETER, NL  
[73] ROCKWOOL INTERNATIONAL A/S, DK  
[85] 2013-02-12  
[86] 2011-08-31 (PCT/EP2011/065012)  
[87] (WO2012/028650)  
[30] EP (10174762.4) 2010-08-31

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[11] **2,808,494**  
[13] C

[51] **Int.Cl. F41H 5/013 (2006.01) F41H 5/06 (2006.01) F41H 5/26 (2006.01) F41H 7/04 (2006.01)**  
[25] EN  
[54] **BALLISTIC PROTECTION SUN VISOR APPARATUS**  
[54] **APPAREIL PARE-SOLEIL A PROTECTION BALISTIQUE**  
[72] WARREN, DAVID, US  
[72] VANNORMAN, SCOTT, US  
[73] ARMORDYNAMICS, INC., US  
[85] 2013-02-15  
[86] 2011-08-18 (PCT/US2011/001448)  
[87] (WO2012/023982)  
[30] US (12/859,069) 2010-08-18

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[11] **2,808,589**  
[13] C

[51] **Int.Cl. H02P 23/00 (2016.01) F04B 49/06 (2006.01)**  
[25] EN  
[54] **IMPROVED METHOD TO SAVE ENERGY FOR DEVICES WITH ROTATING OR RECIPROCATING MASSES**  
[54] **PROCEDE AMELIORE D'ECONOMIE D'ENERGIE POUR LES APPAREILS MUNIS DE MASSES EN ROTATION OU EFFECTUANT UN MOUVEMENT DE VA-ET-VIENT**  
[72] VENKATARAMAN, VASAN, US  
[73] THE POWERWISE GROUP, INC., US  
[85] 2013-02-15  
[86] 2011-01-06 (PCT/US2011/020326)  
[87] (WO2012/030403)  
[30] US (12/873,510) 2010-09-01  
[30] US (12/967,128) 2010-12-14

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[11] **2,808,872**  
[13] C

[51] **Int.Cl. C08L 5/08 (2006.01) A61K 9/10 (2006.01) A61K 47/36 (2006.01) A61L 27/44 (2006.01) A61L 31/12 (2006.01) C08J 3/075 (2006.01)**  
[25] EN  
[54] **HIGHLY BIOCOMPATIBLE DUAL THERMOGELLING CHITOSAN/GLUCOSAMINE SALT COMPOSITIONS**  
[54] **COMPOSITIONS DE SEL DE CHITOSANE/GLUCOSAMINE DOUBLES GELIFIANT SOUS L'EFFET DE LA CHALEUR ET HAUTEMENT BIOCOMPATIBLES**  
[72] CHENITE, ABDELLATIF, CA  
[72] SELMANI, AMINE, CA  
[73] OLIGO MEDIC INC., CA  
[85] 2013-02-20  
[86] 2011-08-26 (PCT/CA2011/000971)  
[87] (WO2012/024785)  
[30] US (61/377,592) 2010-08-27  
[30] US (61/444,646) 2011-02-18

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[11] **2,808,992**  
[13] C

[51] **Int.Cl. E21B 6/00 (2006.01) E21B 6/04 (2006.01)**  
[25] FR  
[54] **HYDRAULIC ROTARY PERCUSSION APPARATUS FOR BORING MINE HOLES**  
[54] **APPAREIL ROTOPERCUTANT HYDRAULIQUE DESTINE A LA PERFORATION DE TROUS DE MINE**  
[72] COMARMOND, JEAN-SYLVAIN, FR  
[73] MONTABERT, FR  
[85] 2013-02-20  
[86] 2011-09-02 (PCT/FR2011/052008)  
[87] (WO2012/089949)  
[30] FR (10/57262) 2010-09-13

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[11] **2,809,405**  
[13] C

[51] **Int.Cl. C07D 213/53 (2006.01) A61K 31/435 (2006.01) A61P 17/00 (2006.01) A61P 31/00 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) C07D 213/22 (2006.01) C07D 471/14 (2006.01)**

[25] EN  
[54] **COMPOUNDS FOR PHOTODYNAMIC THERAPY**  
[54] **COMPOSES POUR THERAPIE PHOTODYNAMIQUE**

[72] BANDYOPADHYAY, SUSMITA, SG  
[73] REPUBLIC POLYTECHNIC, SG  
[85] 2013-02-20  
[86] 2011-07-21 (PCT/SG2011/000261)  
[87] (WO2012/011875)  
[30] GB (1012217.4) 2010-07-21

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[11] **2,809,980**  
[13] C

[51] **Int.Cl. G06Q 10/00 (2012.01) G06Q 30/00 (2012.01)**

[25] EN  
[54] **JOINING MULTIPLE USER LISTS**  
[54] **ASSOCIATION DE MULTIPLES LISTES D'UTILISATEURS**

[72] FURMAN, VADIM, US  
[72] MOONKA, RAJAS, US  
[72] AGARWAL, ANURAG, US  
[73] GOOGLE LLC, US  
[85] 2013-02-28  
[86] 2011-08-30 (PCT/US2011/049786)  
[87] (WO2012/030859)  
[30] US (61/379,281) 2010-09-01

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[11] **2,809,995**  
[13] C

[51] **Int.Cl. G01K 7/02 (2006.01) G01K 7/04 (2006.01) G01K 7/06 (2006.01)**

[25] EN  
[54] **IMMERSION TEMPERATURE SENSOR**  
[54] **CAPTEUR DE TEMPERATURE A IMMERSION**

[72] SCHLIPF, ANDREAS, DE  
[73] TUERK & HILLINGER GMBH, DE  
[86] (2809995)  
[87] (2809995)  
[22] 2013-03-19  
[30] DE (20 2012 003 186.4) 2012-03-29

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[11] **2,810,191**  
[13] C

[51] **Int.Cl. H01M 4/48 (2010.01) H01M 10/052 (2010.01) C01G 33/00 (2006.01)**

[25] EN  
[54] **NIOBIUM OXIDE COMPOSITIONS AND METHODS FOR USING SAME**  
[54] **COMPOSITIONS D'OXYDE DE NIOBIUM ET LEURS PROCEDES D'UTILISATION**

[72] GOODENOUGH, JOHN B., US  
[72] HAN, JIAN-TAO, US  
[73] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US  
[85] 2013-03-01  
[86] 2011-07-29 (PCT/US2011/045964)  
[87] (WO2012/016185)  
[30] US (61/369,515) 2010-07-30

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[11] **2,810,706**  
[13] C

[51] **Int.Cl. C07D 277/20 (2006.01) A61K 31/341 (2006.01) A61K 31/426 (2006.01) A61K 31/427 (2006.01) A61P 9/00 (2006.01) A61P 13/00 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C07D 277/56 (2006.01) C07D 307/68 (2006.01) C07D 417/12 (2006.01)**

[25] EN  
[54] **SUBSTITUTED AMIDE COMPOUND**  
[54] **AMIDE SUBSTITUE**

[72] KAWAMINAMI, EIJI, JP  
[72] TAKAHASHI, TATSUHISA, JP  
[72] KANAYAMA, TAKATOSHI, JP  
[72] SAKAMOTO, KAZUYUKI, JP  
[73] ASTELLAS PHARMA INC., JP  
[85] 2013-03-06  
[86] 2011-09-22 (PCT/JP2011/071635)  
[87] (WO2012/039460)  
[30] JP (PCT/JP2010/066572) 2010-09-24

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[11] **2,811,161**  
[13] C

[51] **Int.Cl. F17C 3/02 (2006.01) E02D 3/115 (2006.01) F17C 13/00 (2006.01)**

[25] FR  
[54] **METHOD AND DEVICE FOR STORING A CRYOGENIC FLUID AND WHICH ARE SUITABLE FOR SOILS INCLUDING PERMAFROST**  
[54] **PROCEDE ET DISPOSITIF DE STOCKAGE D'UN FLUIDE CRYOGENIQUE ADAPTES AUX SOLS COMPRENANT DU PERGELISOL**

[72] COLLET, PASCAL, FR  
[73] TOTAL SA, FR  
[85] 2013-03-12  
[86] 2011-08-19 (PCT/FR2011/051937)  
[87] (WO2012/038632)  
[30] FR (10 57626) 2010-09-22

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[13] C

[51] **Int.Cl. G02F 1/13357 (2006.01) G07F 17/32 (2006.01) G09G 3/36 (2006.01) G09G 5/10 (2006.01)**

[25] EN  
[54] **BACKLIGHT FOR VIDEO DISPLAY**  
[54] **RETROECLAIRAGE POUR ECRAN**

[72] GRISWOLD, CHAUNCEY W., US  
[72] SILVA, GREGORY A., US  
[72] FRANICH, MATTHEW A., US  
[72] EMSLIE, JAMES STEPHEN, US  
[73] IGT, US  
[86] (2811560)  
[87] (2811560)  
[22] 2013-04-03  
[30] US (13/449,168) 2012-04-17

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[13] C

[51] **Int.Cl. B65H 19/26 (2006.01)**  
[25] EN  
[54] **REWINDING MACHINE AND METHOD FOR THE PRODUCTION OF ROLLS OF WEB MATERIAL**

[54] **MACHINE DE BOBINAGE ET PROCEDE POUR LA PRODUCTION DE ROULEAUX DE MATERIAU EN BANDE**

[72] MORELLI, ROBERTO, IT  
[72] MONTAGNANI, FRANCO, IT  
[72] MADDALENI, ROMANO, IT  
[73] FABIO PERINI S.P.A., IT  
[85] 2013-03-22  
[86] 2011-09-15 (PCT/IT2011/000320)  
[87] (WO2012/042549)  
[30] IT (FI2010A000205) 2010-09-28

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[13] C

[51] **Int.Cl. A61F 5/56 (2006.01) A61B 17/02 (2006.01) A61F 2/02 (2006.01)**  
[25] EN  
[54] **IMPLANTED TONGUE PULLING DEVICE, PULL PLATE, PULL LINE, RETRACTOR AND METHOD**

[54] **DISPOSITIF IMPLANTE DE TRACTION DE LA LANGUE, PLAQUE DE TRACTION, LIGNES DE TRACTION, DISPOSITIF DE TRACTION ET SON PROCEDE D'UTILISATION**

[72] ZHANG, XIANGMIN, CN  
[72] ZHOU, XING, CN  
[73] ZHANG, XIANGMIN, CN  
[73] ZHOU, XING, CN  
[85] 2013-03-26  
[86] 2011-09-26 (PCT/CN2011/080177)  
[87] (WO2012/041205)  
[30] CN (201010299195.6) 2010-09-29

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[13] C

[51] **Int.Cl. B31B 50/14 (2017.01) B31B 50/04 (2017.01) B31B 50/25 (2017.01) B31B 50/74 (2017.01)**  
[25] EN  
[54] **A PROCESS FOR REALIZING BLANKS FOR BOXES TO MEASURE**

[54] **UN PROCEDE DE REALISATION D'EBAUCHES DESTINEES A DES BOITES SUR MESURE**

[72] TORO, ANDREA, IT  
[73] SYSTEM S.P.A., IT  
[85] 2013-03-28  
[86] 2011-10-18 (PCT/IB2011/054618)  
[87] (WO2012/063152)  
[30] IT (MO2010A000324) 2010-11-11

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[13] C

[51] **Int.Cl. H04W 72/12 (2009.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR AVOIDING IN-DEVICE COEXISTENCE INTERFERENCE**

[54] **PROCEDE ET DISPOSITIF POUR EVITER UN BROUILLAGE DE COEXISTENCE DANS UN DISPOSITIF**

[72] KOO, CHANGHOI, US  
[72] LI, JUN, US  
[72] CAI, ZHIJUN, US  
[73] BLACKBERRY LIMITED, CA  
[85] 2013-03-28  
[86] 2010-10-01 (PCT/US2010/051183)  
[87] (WO2012/044327)

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[13] C

[51] **Int.Cl. H02M 5/458 (2006.01) H02M 1/34 (2007.01) H02M 7/487 (2007.01)**  
[25] EN  
[54] **CONVERTER CIRCUIT FOR DAMPING OVERCURRENT OSCILLATIONS**

[54] **CIRCUIT CONVERTISSEUR SERVANT A ATTENUER DES OSCILLATIONS DE SURINTENSITE**

[72] DAMAZIO-COELHO, KEFAS, CH  
[72] LUESCHER, MATTHIAS, CH  
[72] APELDOORN, OSCAR, CH  
[72] BERNER, THOMAS, DE  
[73] ABB SCHWEIZ AG, CH  
[85] 2013-04-02  
[86] 2011-09-26 (PCT/EP2011/066630)  
[87] (WO2012/045602)  
[30] EP (10186492.4) 2010-10-05

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[13] C

[51] **Int.Cl. B08B 15/04 (2006.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR COLLECTING DEBRIS**

[54] **METHODE ET APPAREIL DE COLLECTE DE DEBRIS**

[72] KOECK, ANTHONY, CA  
[73] KOECK, ANTHONY, CA  
[85] 2013-04-08  
[86] 2010-10-07 (PCT/CA2010/001562)  
[87] (WO2012/045142)

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[13] C

[51] **Int.Cl. A61K 9/06 (2006.01) A61K 9/00 (2006.01) A61K 31/351 (2006.01) A61K 47/46 (2006.01)**  
[25] EN  
[54] **PHARMACEUTICAL TOPICAL COMPOSITION OF MUPIROICIN**

[54] **COMPOSITION TOPIQUE PHARMACEUTIQUE DE MUIPIROCINE**

[72] GONZALEZ OJER, CARLOS, ES  
[72] GONI ALLO, BEATRIZ, ES  
[72] PASTOR FERNANDEZ, FIONA, ES  
[72] YARNOZ DE MIGUEL, CAYETANA, ES  
[73] LABORATORIOS OJER PHARMA S.L., ES  
[85] 2013-04-09  
[86] 2011-10-19 (PCT/EP2011/068242)  
[87] (WO2012/052472)  
[30] EP (10382274.8) 2010-10-20

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[11] **2,814,449**  
[13] C

[51] **Int.Cl. G01N 33/542 (2006.01)**  
[25] EN  
[54] **COMPOSITION, DEVICE AND METHOD FOR COLORIMETRIC DETECTION OF AN ANALYTE**

[54] **COMPOSITION, DISPOSITIF ET METHODE DE DETECTION COLORIMETRIQUE D'UN ANALYTE**

[72] KNOP, RICHARD H., US  
[73] MEDTECH DETECT, LLC, US  
[85] 2013-04-11  
[86] 2010-10-26 (PCT/US2010/054109)  
[87] (WO2011/053587)  
[30] US (61/256,618) 2009-10-30

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[13] C

[51] **Int.Cl. B05D 5/08 (2006.01) B05D 1/12 (2006.01)**  
[25] EN  
[54] **COATED STEEL SUCKER RODS AND PROCESS FOR MANUFACTURE OF SAME**  
[54] **TIGES DE POMPAGE EN ACIER REVETU ET PROCESSUS DE FABRICATION DE CELLES-CI**  
[72] MOORE, JORDAN, CA  
[72] MOORE, RUSSEL, CA  
[73] LIFTING SOLUTIONS ENERGY SERVICES INC., CA  
[85] 2013-04-12  
[86] 2012-02-16 (PCT/CA2012/000142)  
[87] (WO2012/109736)  
[30] US (61/443,352) 2011-02-16

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[13] C

[51] **Int.Cl. C07D 215/12 (2006.01) A61K 31/47 (2006.01) A61P 3/02 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) A61P 35/00 (2006.01) C07D 215/18 (2006.01) C07D 215/48 (2006.01) C07D 401/12 (2006.01)**  
[25] EN  
[54] **TETRAHYDROQUINOLINE DERIVATIVES USED AS AMPK ACTIVATORS**  
[54] **DERIVES DE TETRAHYDROQUINOLINE UTILISES EN TANT QU'ACTIVATEURS D'AMPK**  
[72] FENG, LICHUN, CN  
[72] HUANG, MENGWEI, CN  
[72] LIU, YONGFU, CN  
[72] WU, GUOLONG, CN  
[72] ZHOU, MINGWEI, CN  
[73] HUA MEDICINE, KY  
[85] 2013-04-12  
[86] 2011-10-17 (PCT/EP2011/068053)  
[87] (WO2012/052372)  
[30] CN (PCT/CN2010/077907) 2010-10-20

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[11] **2,814,642**  
[13] C

[51] **Int.Cl. B21D 51/18 (2006.01) B21D 11/10 (2006.01)**  
[25] EN  
[54] **METHOD OF PERFORMING NON VESSEL SHAPING OPERATIONS DURING VESSEL SHAPING**  
[54] **PROCEDE DE REALISATION D'OPERATIONS N'AFECTANT PAS LA FORME AU COURS DE LA MISE EN FORME D'UN RECIPIENT**  
[72] ADAMS, JOHN E., US  
[72] ALLEN, KATHERINE, US  
[72] BIONDICH, SCOTT, US  
[72] ESPINEL, R. KARINA, US  
[72] KOLLS, H. BROCK, US  
[72] RAJESH, GOPALASWAMY, US  
[72] SANTAMARIA, ALEJANDRO, US  
[73] THE COCA-COLA COMPANY, US  
[85] 2013-04-12  
[86] 2010-09-20 (PCT/US2010/049493)  
[87] (WO2011/046713)  
[30] US (12/577,293) 2009-10-12

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[13] C

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[25] EN  
[54] **METHOD FOR PRODUCING ARTICLES OF PLANT ORIGIN IMPREGNATED WITH A LIQUID PLANT SUBSTANCE**  
[54] **PROCEDE DE FABRICATION D'ARTICLES D'ORIGINE VEGETALE IMPREGNES DE SUBSTANCE LIQUIDE VEGETALE**  
[72] MOMPON, BERNARD, FR  
[73] SCHWEITZER-MAUDUIT INTERNATIONAL, INC., US  
[85] 2013-04-15  
[86] 2011-10-13 (PCT/FR2011/052393)  
[87] (WO2012/056141)  
[30] FR (1058969) 2010-10-29

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[13] C

[51] **Int.Cl. B65B 5/06 (2006.01) B65B 35/28 (2006.01) B65B 35/40 (2006.01) B65B 29/02 (2006.01)**  
[25] EN  
[54] **DEVICE FOR POSITIONING OF PORTION PACKETS**  
[54] **DISPOSITIF POUR LE POSITIONNEMENT D'EMBALLAGES-PORTIONS**  
[72] ASPGREN, THOM, SE  
[72] LOFMAN, LARS-OLOF, SE  
[72] ERIKSSON, DENNIS, SE  
[72] LARSSON, TOMAS, SE  
[73] SWEDISH MATCH NORTH EUROPE AB, SE  
[85] 2013-04-16  
[86] 2011-11-23 (PCT/EP2011/070738)  
[87] (WO2012/069504)  
[30] EP (10192765.5) 2010-11-26  
[30] US (61/417,310) 2010-11-26

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[13] C

[51] **Int.Cl. B65B 5/06 (2006.01) B65B 29/02 (2006.01) B65B 35/28 (2006.01) B65B 35/40 (2006.01) B65G 51/03 (2006.01)**  
[25] EN  
[54] **ARRANGEMENT FOR MANUFACTURING OF PORTION PACKETS**  
[54] **AGENCEMENT POUR LA FABRICATION D'EMBALLAGES-PORTIONS**  
[72] LOFMAN, LARS-OLOF, SE  
[72] ASPGREN, THOM, SE  
[72] ERIKSSON, DENNIS, SE  
[72] LARSSON, TOMAS, SE  
[73] SWEDISH MATCH NORTH EUROPE AB, SE  
[85] 2013-04-16  
[86] 2011-11-23 (PCT/EP2011/070739)  
[87] (WO2012/069505)  
[30] EP (10192764.8) 2010-11-26  
[30] US (61/417,314) 2010-11-26

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[13] C

[51] **Int.Cl. G06F 9/445 (2018.01) G06F 21/60 (2013.01) G06F 9/455 (2018.01)**  
[25] EN  
[54] **INHERITED PRODUCT ACTIVATION FOR VIRTUAL MACHINES**  
[54] **ACTIVATION DE PRODUIT HERITE POUR MACHINES VIRTUELLES**  
[72] SMITH, AARON J., US  
[72] BALASCIO, TYRON M., US  
[72] BHAVE, AJAY, US  
[72] KAO, CHIH-PIN, US  
[72] BACHHUBER, EMERON, US  
[72] HORAL, MIKAEL P., US  
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US  
[85] 2013-04-16  
[86] 2011-10-25 (PCT/US2011/057601)  
[87] (WO2012/058190)  
[30] US (12/916,093) 2010-10-29

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[13] C

[51] **Int.Cl. B01D 17/04 (2006.01) C02F 1/00 (2006.01) C02F 1/52 (2006.01) C02F 11/12 (2006.01) C02F 11/14 (2006.01)**  
[25] EN  
[54] **WATER CLARIFICATION METHOD AND DEVICE**  
[54] **PROCEDE ET DISPOSITIF DE CLARIFICATION DES EAUX**  
[72] CAPEAU, PATRICE, FR  
[72] LOPEZ, MICHEL, FR  
[72] GENDROT, PASCAL, FR  
[73] OREGE, FR  
[85] 2013-04-25  
[86] 2011-10-28 (PCT/FR2011/000583)  
[87] (WO2012/056129)  
[30] FR (10/04285) 2010-10-29

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[13] C

[51] **Int.Cl. E06B 3/00 (2006.01)**  
[25] EN  
[54] **WINDOW MULL SYSTEM**  
[54] **SYSTEME DE MENEaux DE FENETRE**  
[72] SAUNDERS, MELVIN, US  
[72] RODERICK, CHRIS, US  
[72] KUNEMAN, MICHAEL, US  
[73] MILGARD MANUFACTURING INCORPORATED, US  
[85] 2012-12-21  
[86] 2011-06-03 (PCT/US2011/039137)  
[87] (WO2011/153479)  
[30] US (61/351,771) 2010-06-04

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[13] C

[51] **Int.Cl. H04L 9/06 (2006.01)**  
[25] FR  
[54] **PROTECTION AGAINST PASSIVE SNIFFING**  
[54] **PROTECTION CONTRE LES ECOUTES PASSIVES**  
[72] CHABANNE, HERVE, FR  
[72] BRINGER, JULIEN, FR  
[72] LE, THANH HA, FR  
[73] MORPHO, FR  
[85] 2013-05-03  
[86] 2011-11-08 (PCT/FR2011/052602)  
[87] (WO2012/062994)  
[30] FR (1059208) 2010-11-08

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[13] C

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[54] **VALVE**  
[54] **VANNE**  
[72] GIANNOTTA, SALVATORE, FR  
[73] SNECMA, FR  
[85] 2013-05-08  
[86] 2011-11-08 (PCT/FR2011/052607)  
[87] (WO2012/066216)  
[30] FR (1059478) 2010-11-18

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[13] C

[51] **Int.Cl. A61F 5/445 (2006.01) A61F 5/44 (2006.01)**  
[25] EN  
[54] **A POUCH FOR COLLECTING LIQUID EXCRETIONS**  
[54] **POCHE DE COLLECTE D'EXCRETIONS LIQUIDES**  
[72] HANNAN, JOHN FRANCIS, IE  
[72] RASMUSSEN, CLAUS DALLERUP, DK  
[72] GOCZKOWSKI, JAKUB ZYGMUNT, DK  
[73] HOLLISTER INCORPORATED, US  
[85] 2013-05-09  
[86] 2011-11-04 (PCT/EP2011/069386)  
[87] (WO2012/069299)  
[30] EP (10192174.0) 2010-11-23

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[13] C

[51] **Int.Cl. B29C 45/00 (2006.01) A61M 5/32 (2006.01) B29C 45/77 (2006.01)**  
[25] EN  
[54] **LIQUID CRYSTALLINE POLYMER MICRONEEDLES**  
[54] **MICRO-AIGUILLES DE POLYMERE CRISTALLIN LIQUIDE**  
[72] DUAN, DANIEL C., US  
[72] RENDON, STANLEY, US  
[73] 3M INNOVATIVE PROPERTIES COMPANY, US  
[85] 2013-05-14  
[86] 2011-05-26 (PCT/US2011/038026)  
[87] (WO2012/074576)  
[30] US (61/419,049) 2010-12-02

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[13] C

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[25] EN

[54] **MULTI-SPECIFIC ANTIGEN-BINDING MOLECULE HAVING ALTERNATIVE FUNCTION TO FUNCTION OF BLOOD COAGULATION FACTOR VIII**

[54] **MOLECULE DE LIAISON A UN ANTIGENE MULTI-SPECIFIQUE AYANT UNE FONCTION ALTERNATIVE PAR RAPPORT A LA FONCTION DU FACTEUR VIII DE COAGULATION SANGUINE**

[72] IGAWA, TOMOYUKI, JP  
[72] SAMPEL, ZENJIRO, JP  
[72] KOJIMA, TETSUO, JP  
[72] SOEDA, TETSUHIRO, JP  
[72] MUTO, ATSUSHI, JP  
[72] KITAZAWA, TAKEHISA, JP  
[72] NISHIDA, YUKIKO, JP  
[72] IMAI, CHIFUMI, JP  
[72] SUZUKI, TSUKASA, JP  
[72] YOSHIHASHI, KAZUTAKA, JP  
[73] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP

[85] 2013-05-14  
[86] 2011-11-17 (PCT/JP2011/076486)  
[87] (WO2012/067176)  
[30] JP (2010-257022) 2010-11-17

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[13] C

[51] **Int.Cl. B64D 10/00 (2006.01)**

[25] EN

[54] **ACCELERATION PROTECTIVE SUIT**

[54] **VETEMENT DE PROTECTION CONTRE UNE ACCELERATION**

[72] REINHARD, ANDREAS, CH  
[73] G-NIUS LTD., SG

[85] 2013-05-17  
[86] 2011-11-18 (PCT/EP2011/070433)  
[87] (WO2012/066114)  
[30] CH (1948/2010) 2010-11-19

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[13] C

[51] **Int.Cl. B01D 45/14 (2006.01) F01D 9/06 (2006.01) F01D 25/18 (2006.01)**

[25] FR

[54] **OIL DISCHARGE DEVICE AND TURBOMACHINE COMPRISING SUCH A DEVICE**

[54] **DISPOSITIF D'EVACUATION D'HUILE ET TURBOMACHINE COMPRENANT UN TEL DISPOSITIF**

[72] ROCHE, AMANDINE, FR  
[72] BART, JACQUES RENE, FR  
[72] GAUTHIER, GERARD PHILIPPE, FR  
[73] SNECMA, FR

[85] 2013-05-21  
[86] 2011-11-25 (PCT/FR2011/052771)  
[87] (WO2012/069772)  
[30] FR (1059816) 2010-11-26

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[13] C

[51] **Int.Cl. F16C 27/04 (2006.01) F16J 15/16 (2006.01)**

[25] EN

[54] **BEARING ISOLATOR SEAL**

[54] **JOINT D'ISOLATEUR DE PALIER**

[72] THOMAS, RONALD J., JR., US  
[73] PARKER-HANNIFIN CORPORATION, US

[85] 2013-05-29  
[86] 2011-12-19 (PCT/US2011/062838)  
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[13] C

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[25] EN

[54] **AUTONOMOUS DOWNHOLE CONVEYANCE SYSTEM**

[54] **SYSTEME DE TRANSPORT AUTONOME POUR FOND DE Puits**

[72] DALE, BRUCE A., US  
[72] TOLMAN, RANDY C., US  
[72] ENTACHEV, PAVLIN B., US  
[72] ANGELES-BOZA, RENZO M., US  
[72] SHUCHART, CHRIS E., US  
[72] GRUESCHOW, ERIC R., US  
[72] YEH, CHARLES S., US  
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US

[85] 2013-05-29  
[86] 2011-11-17 (PCT/US2011/061224)  
[87] (WO2012/082304)  
[30] US (61/424,285) 2010-12-17  
[30] US (61/552,747) 2011-10-28

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[13] C

[51] **Int.Cl. A61K 31/4152 (2006.01) A61K 31/4155 (2006.01) A61K 31/4523 (2006.01) A61K 31/4725 (2006.01) A61K 31/496 (2006.01) A61K 31/5377 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **USE OF SIGMA LIGANDS IN BONE CANCER PAIN**

[54] **UTILISATION DE LIGANDS SIGMA POUR LA DOULEUR DES CANCERS DES OS**

[72] ZAMANILLO-CASTANEDO, DANIEL, ES  
[72] VELA-HERNANDEZ, JOSE MIGUEL, ES  
[72] PLATA-SALAMAN, CARLOS, ES  
[73] LABORATORIOS DEL DR. ESTEVE, S.A., ES

[85] 2013-05-30  
[86] 2011-12-02 (PCT/EP2011/071584)  
[87] (WO2012/072782)  
[30] EP (10382330.8) 2010-12-03

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[11] **2,820,202**  
[13] C

[51] **Int.Cl. A61K 38/21 (2006.01) A61K 38/19 (2006.01) A61K 38/20 (2006.01) A61P 31/20 (2006.01) A61P 37/04 (2006.01) C12N 5/0784 (2010.01)**

[25] EN

[54] **METHOD OF REVERSING IMMUNE SUPPRESSION OF LANGERHANS CELLS**

[54] **METHODE D'INVERSION DE LA SUPPRESSION IMMUNITAIRE DES CELLULES DE LANGERHANS**

[72] EGAN, JAMES, US

[72] KAST, MARTIN, US

[72] BRANDWEIN, HARVEY, US

[73] IRX THERAPEUTICS, INC., US

[85] 2013-06-05

[86] 2010-12-08 (PCT/US2010/059450)

[87] (WO2011/072006)

[30] US (61/267,590) 2009-12-08

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[11] **2,820,703**  
[13] C

[51] **Int.Cl. A46B 15/00 (2006.01) A46B 3/00 (2006.01) A46D 3/00 (2006.01) B08B 1/00 (2006.01) A47J 37/07 (2006.01)**

[25] EN

[54] **TWISTED WIRE BRUSH AND METHOD OF MAKING**

[54] **BROSSE A FILS TORSADES ET PROCEDE DE FABRICATION**

[72] GUNJIAN, ZAVEN, US

[73] BRUSHTECH, INC., US

[86] (2820703)

[87] (2820703)

[22] 2013-07-10

[30] US (13/792,787) 2013-03-11

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[11] **2,821,132**  
[13] C

[51] **Int.Cl. A61M 1/00 (2006.01) A61M 1/36 (2006.01)**

[25] EN

[54] **CHAMBER FOR A BLOOD TREATMENT SYSTEM, USE OF THE CHAMBER, BLOOD TUBING SYSTEM AND BLOOD TREATMENT SYSTEM**

[54] **CHAMBRE POUR UN SYSTEME DE TRAITEMENT DE SANG, UTILISATION DE LA CHAMBRE, SYSTEME DE FLEXIBLE POUR SANG ET SYSTEME DE TRAITEMENT DE SANG**

[72] REITER, REINHOLD, IT

[72] STABILINI, PAOLO, IT

[73] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE

[85] 2013-06-11

[86] 2011-12-20 (PCT/EP2011/006450)

[87] (WO2012/084208)

[30] EP (10015895.5) 2010-12-21

[30] US (61/425,409) 2010-12-21

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[11] **2,821,170**  
[13] C

[51] **Int.Cl. G21C 15/18 (2006.01)**

[25] EN

[54] **NUCLEAR REACTOR AUTOMATIC DEPRESSURIZATION SYSTEM**

[54] **SYSTEME DE DEPRESSURISATION AUTOMATIQUE DE REACTEUR NUCLEAIRE**

[72] COOK, BRUCE M., US

[73] WESTINGHOUSE ELECTRIC COMPANY LLC, US

[85] 2013-06-11

[86] 2011-10-27 (PCT/US2011/057958)

[87] (WO2012/141738)

[30] US (12/972,568) 2010-12-20

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[11] **2,821,225**  
[13] C

[51] **Int.Cl. C07D 231/14 (2006.01) A01N 43/56 (2006.01)**

[25] EN

[54] **AMINOINDANES AMIDES HAVING A HIGH FUNGICIDAL ACTIVITY AND THEIR PHYTOSANITARY COMPOSITIONS**

[54] **AMIDES D'AMINOINDANES PRESENTANT UNE FORTE ACTIVITE FONGICIDE ET LEURS COMPOSITIONS PHYTOSANITAIRES**

[72] VENTURINI, ISABELLA, IT

[72] VAZZOLA, MATTEO SANTINO, IT

[72] SINANI, ENTELA, IT

[72] PELLACINI, FRANCO, IT

[72] FILIPPINI, LUCIO, IT

[73] STICHTING I-F PRODUCT COLLABORATION, NL

[85] 2013-06-11

[86] 2011-12-19 (PCT/EP2011/073225)

[87] (WO2012/084812)

[30] IT (MI2010A 002328) 2010-12-20

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[11] **2,821,274**  
[13] C

[51] **Int.Cl. A63B 71/06 (2006.01) G16H 20/30 (2018.01) G16H 50/00 (2018.01)**

[25] EN

[54] **PROCESSING DATA OF A USER PERFORMING AN ATHLETIC ACTIVITY TO ESTIMATE ENERGY EXPENDITURE**

[54] **TRAITEMENT DE DONNEES D'UN UTILISATEUR EFFECTUANT UNE ACTIVITE ATHLETIQUE POUR ESTIMER SA DEPENSE ENERGETIQUE**

[72] ARAGONES, TERESA, US

[72] SELF, CHRISTINA, US

[72] WALLING, WILLOUGHBY, US

[72] NORTHCOTT, GEOFF, US

[72] XAVIER, JACOB, US

[73] NIKE INNOVATE C.V., US

[85] 2013-06-11

[86] 2011-12-13 (PCT/US2011/064711)

[87] (WO2012/082782)

[30] US (61/422,511) 2010-12-13

[30] US (61/432,472) 2011-01-13

[30] US (61/433,792) 2011-01-18

[30] US (13/290,359) 2011-11-07

[30] US (13/304,056) 2011-11-23

[30] US (13/304,064) 2011-11-23



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[11] **2,822,026**  
[13] C

[51] **Int.Cl. C07K 7/08 (2006.01) A61K 38/17 (2006.01) A61P 35/00 (2006.01) C07K 14/435 (2006.01) C07K 19/00 (2006.01)**

[25] EN

[54] **SAPOSIN-A DERIVED PEPTIDES AND USES THEREOF**

[54] **PEPTIDES DERIVES DE SAPOSINE A ET UTILISATIONS DE CEUX-CI**

[72] WATNICK, RANDOLPH, US

[73] CHILDREN'S MEDICAL CENTER CORPORATION, US

[85] 2013-06-17

[86] 2010-12-17 (PCT/US2010/061007)

[87] (WO2011/084685)

[30] US (12/640,788) 2009-12-17

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[11] **2,822,042**  
[13] C

[51] **Int.Cl. F02B 75/04 (2006.01) F16K 31/06 (2006.01)**

[25] FR

[54] **TUBULAR VALVE FOR CONTROLLING AN ENGINE WITH A VARIABLE COMPRESSION RATIO**

[54] **VANNE TUBULAIRE DE COMMANDE D'UN MOTEUR A RAPPORT VOLUMETRIQUE VARIABLE**

[72] RABHI, VIANNEY, FR

[73] RABHI, VIANNEY, FR

[73] MCE-5 DEVELOPMENT, FR

[85] 2013-06-17

[86] 2011-12-21 (PCT/FR2011/053132)

[87] (WO2012/085463)

[30] FR (1005058) 2010-12-23

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[11] **2,822,066**  
[13] C

[51] **Int.Cl. G06F 3/01 (2006.01) G06F 3/048 (2013.01) G06F 3/14 (2006.01)**

[25] EN

[54] **NATURAL INPUT FOR SPREADSHEET ACTIONS**

[54] **ENTREE NATURELLE POUR ACTIONS DE FEUILLE DE CALCUL**

[72] CAMPBELL, JOHN, US

[72] LIN, AMY, US

[72] WALDMAN, LAWRENCE, US

[72] DER, SHERMAN, US

[72] CHENG, KAREN, US

[72] DOAN, CHRISTOPHER, US

[72] CONSTANTINE, THOMAS, US

[72] ROTHSCHILLER, CHAD, US

[72] MA, YUN, US

[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US

[85] 2013-06-17

[86] 2012-01-04 (PCT/US2012/020192)

[87] (WO2012/094396)

[30] US (12/986,473) 2011-01-07

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[11] **2,822,417**  
[13] C

[51] **Int.Cl. G06F 21/83 (2013.01)**

[25] FR

[54] **METHOD AND DEVICE FOR CONTROLLING ACCESS TO A COMPUTER SYSTEM**

[54] **PROCEDE ET DISPOSITIF DE CONTROLE D'ACCES A UN SYSTEME INFORMATIQUE**

[72] SITBON, PASCAL, FR

[72] TARRAGO, ARNAUD, FR

[72] NGUYEN, PIERRE, FR

[73] ELECTRICITE DE FRANCE, FR

[85] 2013-06-19

[86] 2011-12-26 (PCT/FR2011/053197)

[87] (WO2012/089983)

[30] FR (1061285) 2010-12-27

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[11] **2,822,521**  
[13] C

[51] **Int.Cl. B03D 1/01 (2006.01)**

[25] EN

[54] **AMINE-CONTAINING FORMULATIONS FOR REVERSE FROTH FLOTATION OF SILICATES FROM IRON ORE**

[54] **FORMULATIONS CONTENANT DE L'AMINE POUR LA FLOTTATION INVERSE PAR ECUMAGE DE SILICATES PROVENANT DE MINERAI DE FER**

[72] GUSTAFSSON, JAN OLOF, SE

[72] JUBERG, MALIN, SE

[73] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL

[85] 2013-06-20

[86] 2011-12-23 (PCT/EP2011/073924)

[87] (WO2012/089651)

[30] EP (10197173.7) 2010-12-28

[30] US (61/427,575) 2010-12-28

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[11] **2,823,285**  
[13] C

[51] **Int.Cl. H01H 71/02 (2006.01) H01H 71/12 (2006.01) H02H 7/26 (2006.01)**

[25] EN

[54] **ACCESSORY MODULE PROVIDING A ZONE SELECTIVE INTERLOCKING INTERFACE EXTERNAL TO A TRIP UNIT, AND SYSTEM AND CIRCUIT INTERRUPTER INCLUDING THE SAME**

[54] **MODULE D'ACCESSOIRE PRODUISANT UNE INTERFACE DE VERROUILLAGE MUTUEL SELECTIVE VIS-A-VIS DE LA ZONE EXTERNE A UN BLOC DECLENCHEUR, ET SYSTEME ET COUPE-CIRCUIT LE COMPRENANT**

[72] CARLINO, HARRY J., US

[72] ZINDLER, MARK O., US

[73] EATON CORPORATION, US

[85] 2013-06-27

[86] 2012-01-13 (PCT/IB2012/000045)

[87] (WO2012/095738)

[30] US (13/005,771) 2011-01-13

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[13] C

[51] **Int.Cl. H04L 29/02 (2006.01) G06F 17/00 (2006.01) H04L 12/16 (2006.01)**  
[25] EN  
[54] **ONLINE PRIVACY MANAGEMENT**  
[54] **GESTION DE CONFIDENTIALITE EN LIGNE**  
[72] GOODWIN, JOSHUA C., US  
[72] MANION, JOSHUA R., US  
[73] ENSIGHTEN, INC., US  
[85] 2013-06-28  
[86] 2011-12-29 (PCT/US2011/067870)  
[87] (WO2012/092487)  
[30] US (61/428,560) 2010-12-30

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[11] **2,824,128**  
[13] C

[51] **Int.Cl. H01Q 1/38 (2006.01) H01Q 9/42 (2006.01) H01Q 21/24 (2006.01)**  
[25] EN  
[54] **DUAL ANTENNA STRUCTURE HAVING CIRCULAR POLARISATION CHARACTERISTICS**  
[54] **STRUCTURE D'ANTENNE DOUBLE AYANT DES CARACTERISTIQUES DE POLARISATION CIRCULAIRE**  
[72] IELlici, DEVIS, GB  
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US  
[85] 2013-07-08  
[86] 2012-01-13 (PCT/GB2012/050071)  
[87] (WO2012/095673)  
[30] GB (1100617.8) 2011-01-14

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[11] **2,824,850**  
[13] C

[51] **Int.Cl. A01M 1/10 (2006.01) A01M 1/00 (2006.01) A01N 29/00 (2006.01)**  
[25] EN  
[54] **STINK BUG TRAP**  
[54] **PIEGE POUR PUNAISES**  
[72] SCHNEIDMILLER, RODNEY G., US  
[72] ZHANG, QING-HE, US  
[72] CHAPIN, MARC, US  
[73] STERLING INTERNATIONAL INC., US  
[85] 2013-07-15  
[86] 2011-12-20 (PCT/US2011/066266)  
[87] (WO2012/102807)  
[30] US (61/435,647) 2011-01-24  
[30] US (61/453,033) 2011-03-15

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[11] **2,825,040**  
[13] C

[51] **Int.Cl. G02B 21/36 (2006.01)**  
[25] EN  
[54] **MICROSCOPE SLIDE COORDINATE SYSTEM REGISTRATION**  
[54] **ENREGISTREMENT DE SYSTEME DE COORDONNEES DE PLAQUE DE MICROSCOPE**  
[72] ZAHNISER, MICHAEL, US  
[72] ZAHNISER, RUSSELL, US  
[73] ROCHE DIAGNOSTICS HEMATOLOGY, INC., US  
[85] 2013-07-17  
[86] 2011-01-18 (PCT/US2011/021546)  
[87] (WO2012/099574)

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[11] **2,825,671**  
[13] C

[51] **Int.Cl. H04N 19/80 (2014.01) H04N 19/176 (2014.01)**  
[25] EN  
[54] **EFFICIENT DECISIONS FOR DEBLOCKING**  
[54] **DECISIONS EFFICACES POUR UN FILTRAGE ANTI-BLOCS**  
[72] NARROSCHKE, MATTHIAS, DE  
[72] WEDI, THOMAS, DE  
[72] ESENLIK, SEMIH, DE  
[73] SUN PATENT TRUST, US  
[85] 2013-07-25  
[86] 2012-02-24 (PCT/EP2012/000817)  
[87] (WO2012/113574)  
[30] US (61/446,766) 2011-02-25  
[30] US (61/451,348) 2011-03-10

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[11] **2,826,038**  
[13] C

[51] **Int.Cl. F04B 35/00 (2006.01) F04B 9/00 (2006.01) F04B 9/14 (2006.01) F25B 9/00 (2006.01) F25B 9/14 (2006.01)**  
[25] EN  
[54] **GASEOUS FLUID COMPRESSION DEVICE**  
[54] **DISPOSITIF DE COMPRESSION DE FLUIDE GAZEUX**  
[72] JOFFROY, JEAN-MARC, FR  
[73] BOOSTHEAT, FR  
[85] 2013-07-29  
[86] 2012-02-08 (PCT/EP2012/052114)  
[87] (WO2012/107480)  
[30] FR (11 51098) 2011-02-10

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[11] **2,826,418**  
[13] C

[51] **Int.Cl. H04N 19/102 (2014.01) H04N 19/172 (2014.01) H04N 19/174 (2014.01) H04N 19/61 (2014.01)**  
[25] EN  
[54] **IMAGE CODING METHOD, IMAGE DECODING METHOD, IMAGE CODING APPARATUS, IMAGE DECODING APPARATUS, AND IMAGE CODING AND DECODING APPARATUS**  
[54] **PROCEDE DE CODAGE D'IMAGES, PROCEDE DE DECODAGE D'IMAGES, DISPOSITIF DE CODAGE D'IMAGES, DISPOSITIF DE DECODAGE D'IMAGES ET DISPOSITIF DE CODAGE/ DECODAGE D'IMAGES**  
[72] WAHADANIAH, VIKTOR, SG  
[72] LIM, CHONG SOON, SG  
[72] NAING, SUE MON THET, SG  
[72] SUN, HAI WEI, SG  
[72] NISHI, TAKAHIRO, JP  
[72] SASAI, HISAO, JP  
[72] SHIBAHARA, YOUJI, JP  
[72] SUGIO, TOSHIYASU, JP  
[72] TANIKAWA, KYOKO, JP  
[72] MATSUNOBU, TORU, JP  
[72] TERADA, KENGO, JP  
[73] SUN PATENT TRUST, US  
[85] 2013-08-01  
[86] 2012-09-05 (PCT/JP2012/005608)  
[87] (WO2013/035313)  
[30] US (61/531,760) 2011-09-07

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[11] **2,827,631**  
[13] C

[51] **Int.Cl. A01N 25/24 (2006.01) A01N 25/10 (2006.01) A01N 37/38 (2006.01) A01N 47/16 (2006.01) A01P 3/00 (2006.01)**  
[25] EN  
[54] **PESTICIDAL COMPOSITION**  
[54] **COMPOSITION PESTICIDE**  
[72] MIZUTANI, MOTOFUMI, JP  
[72] KOZUKI, YUMIKO, JP  
[72] OWAKI, MAKI, JP  
[72] TAKAISHI, MASANAO, JP  
[72] SOMA, MASATO, JP  
[73] SUMITOMO CHEMICAL COMPANY, LIMITED, JP  
[85] 2013-08-16  
[86] 2012-03-07 (PCT/JP2012/056490)  
[87] (WO2012/121413)  
[30] JP (2011-049968) 2011-03-08

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[11] **2,827,899**  
[13] C

- [51] **Int.Cl. C03B 19/10 (2006.01) C01B 33/193 (2006.01)**  
[25] EN  
[54] **HIGH-PURITY SILICON DIOXIDE GRANULES FOR QUARTZ GLASS APPLICATIONS AND METHOD FOR PRODUCING SAID GRANULES**  
[54] **GRANULES DE DIOXYDE DE SILICIUM DE HAUTE PURETE POUR APPLICATIONS DE VERRE DE QUARTZ AINSI QUE PROCEDE DE PRODUCTION DESDITS GRANULES DE DIOXYDE DE SILICIUM**  
[72] PANZ, CHRISTIAN, DE  
[72] TITZ, GUIDO, DE  
[72] MULLER, SVEN, DE  
[72] RUF, MARKUS, DE  
[72] FRINGS, BODO, DE  
[72] RAULEDER, HARTWIG, DE  
[72] BEHNISCH, JURGEN, DE  
[73] EVONIK DEGUSSA GMBH, DE  
[85] 2013-08-21  
[86] 2012-02-10 (PCT/EP2012/052251)  
[87] (WO2012/113655)  
[30] DE (10 2011 004 532.5) 2011-02-22

[11] **2,829,749**  
[13] C

- [51] **Int.Cl. G02B 6/00 (2006.01)**  
[25] EN  
[54] **OPTICAL FIBER CUTTER**  
[54] **OUTIL DE COUPE DE FIBRE OPTIQUE**  
[72] HASEGAWA, MASAHIRO, JP  
[72] TOYOOKA, HIROYASU, JP  
[72] NAKAMURA, HIROSHI, JP  
[73] SEI OPTIFRONTIER CO., LTD., JP  
[85] 2013-09-10  
[86] 2012-03-15 (PCT/JP2012/056758)  
[87] (WO2012/124778)  
[30] JP (2011-059593) 2011-03-17

[11] **2,830,575**  
[13] C

- [51] **Int.Cl. F01D 21/00 (2006.01)**  
[25] FR  
[54] **SHUT-OFF DEVICE WITH AUTOMATICALLY ACTIVATABLE LOCKING**  
[54] **DISPOSITIF D'OBTURATION A VERROUILLAGE AUTO-ACTIVABLE**  
[72] MARC, DAMIEN JACKY, FR  
[73] JPB SYSTEME, FR  
[85] 2013-09-18  
[86] 2012-03-06 (PCT/FR2012/050463)  
[87] (WO2012/127146)  
[30] FR (1152310) 2011-03-21

[11] **2,831,522**  
[13] C

- [51] **Int.Cl. F01D 5/30 (2006.01) F01D 5/32 (2006.01) F01D 11/00 (2006.01)**  
[25] FR  
[54] **SEALING RING FOR A TURBINE STAGE OF AN AIRCRAFT TURBOMACHINE, COMPRISING SLOTTED ANTI-ROTATION PEGS**  
[54] **FLASQUE D'ETANCHEITE POUR ETAGE DE TURBINE DE TURBOMACHINE D'AERONEF, COMPRENANT DES TENONS ANTI-ROTATION FENDUS**  
[72] POUZET, EMILIE, FR  
[72] CASALIGGI, PASCAL, FR  
[72] PASQUIET, DIDIER, FR  
[73] SNECMA, FR  
[85] 2013-09-25  
[86] 2012-03-29 (PCT/FR2012/050667)  
[87] (WO2012/136917)  
[30] FR (11 52928) 2011-04-05

[11] **2,831,716**  
[13] C

- [51] **Int.Cl. C07D 471/04 (2006.01) A61K 8/49 (2006.01) A61K 31/437 (2006.01) A61P 3/00 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01)**  
[25] EN  
[54] **PYRIDO[3,4-B]INDOLYL COMPOUNDS FOR TREATMENT OF METABOLIC SYNDROME**  
[54] **COMPOSES DE PYRIDO[3,4-B]INDOLYL DESTINES AU TRAITEMENT DE SYNDROME METABOLIQUE**  
[72] AGREDA NAVAJAS, JUAN CARLOS, ES  
[72] MIKIO KASSUYA, ROBERTO, ES  
[73] SJT MOLECULAR RESEARCH, S.L., ES  
[85] 2013-09-27  
[86] 2012-03-28 (PCT/EP2012/055570)  
[87] (WO2012/130912)  
[30] US (61/468,163) 2011-03-28

[11] **2,831,775**  
[13] C

- [51] **Int.Cl. A61N 1/36 (2006.01)**  
[25] EN  
[54] **NERVE LOCATOR**  
[54] **LOCALISATEUR DE NERFS**  
[72] TUCKER, ARTHUR, GB  
[72] BAIN, DUNCAN, GB  
[73] SKY MEDICAL TECHNOLOGY LIMITED, GB  
[85] 2013-09-13  
[86] 2012-03-27 (PCT/GB2012/050677)  
[87] (WO2012/131357)  
[30] GB (1105432.7) 2011-03-31

[11] **2,832,539**  
[13] C

- [51] **Int.Cl. E06B 3/98 (2006.01)**  
[25] EN  
[54] **SCREEN CORNER ATTACHMENT**  
[54] **ATTACHE D'ANGLE DE MOUSTIQUAIRE**  
[72] MASSEY, VICTOR, US  
[73] MILGARD MANUFACTURING INCORPORATED, US  
[86] (2832539)  
[87] (2832539)  
[22] 2013-11-12  
[30] US (13/724,687) 2012-12-21

**Canadian Patents Issued  
June 12, 2018**

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[11] **2,832,682**  
[13] C

[51] **Int.Cl. C30B 30/02 (2006.01) C01B 32/20 (2017.01) C01B 32/225 (2017.01) C01B 35/08 (2006.01) C01G 31/02 (2006.01) C01G 39/06 (2006.01) C01G 41/00 (2006.01) C30B 29/68 (2006.01)**

[25] EN

[54] **PROCESS FOR FORMING EXPANDED HEXAGONAL LAYERED MINERALS AND DERIVATIVES USING ELECTROCHEMICAL CHARGING**

[54] **PROCEDE POUR LA FORMATION DE MATIERES MINERALES LAMELLAIRES HEXAGONALES EXPANSEES ET DERIVES DE CELLES-CI A L'AIDE D'UN CHARGEMENT ELECTROCHIMIQUE**

[72] LOH, KIAN PING, SG  
[72] WANG, JUNZHONG, SG  
[72] CHIU, GORDON, US  
[73] NATIONAL UNIVERSITY OF SINGAPORE, SG  
[85] 2013-10-08  
[86] 2012-11-22 (PCT/SG2012/000440)  
[87] (WO2013/089642)  
[30] US (61/570,330) 2011-12-14

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[11] **2,834,019**  
[13] C

[51] **Int.Cl. F16L 3/00 (2006.01) B21D 39/04 (2006.01) F16B 45/00 (2006.01) F16L 23/14 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR SUSPENDING DUCT BY INSERTED CORNER MEMBERS**

[54] **PROCEDE ET APPAREIL DE SUSPENSION D'UNE GAINE PAR DES ELEMENTS D'ANGLE INSERES**

[72] CARSON, JEFFREY KENNETH, CA  
[73] JBT STEEL INDUSTRIES INC., CA  
[85] 2013-10-22  
[86] 2012-04-20 (PCT/CA2012/000370)  
[87] (WO2012/142700)  
[30] US (61/478,300) 2011-04-22  
[30] US (13/168,637) 2011-06-24

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[11] **2,834,714**  
[13] C

[51] **Int.Cl. A63B 41/02 (2006.01) A63B 41/00 (2006.01) A63B 41/10 (2006.01)**

[25] EN

[54] **A NEW DUAL-LAYER LEAK-PROOF BALL AND THE MANUFACTURING METHOD THEREOF**

[54] **UNE NOUVELLE BALLE A DOUBLE COUCHE A L'EPREUVE DES FUITES ET METHODE DE FABRICATION ASSOCIEE**

[72] LIN, JUNNAN, CN  
[73] RUSSELL BRANDS, LLC, US  
[85] 2013-10-30  
[86] 2012-02-29 (PCT/CN2012/071785)  
[87] (WO2012/130011)  
[30] CN (201120092709.0) 2011-03-25

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[11] **2,834,772**  
[13] C

[51] **Int.Cl. A47B 67/00 (2006.01) A47B 21/013 (2006.01) A47F 10/00 (2006.01) A61G 12/00 (2006.01) A61J 7/00 (2006.01) F16M 11/04 (2006.01)**

[25] EN

[54] **DISPENSING CABINET WITH ARTICULATING ARM**

[54] **ARMOIRE DE DISTRIBUTION A BRAS D'ARTICULATION**

[72] PAYDAR, AKBAR, US  
[72] KIM, STANLEY, US  
[72] RICHARDSON, CHRIS, US  
[72] FOOT, JOHN, US  
[72] AMINI, MAHMOUD, US  
[72] MORITA, STUART, US  
[73] OMNICELL, INC., US  
[85] 2013-10-30  
[86] 2012-05-02 (PCT/US2012/036148)  
[87] (WO2012/151293)  
[30] US (61/481,577) 2011-05-02  
[30] US (13/461,392) 2012-05-01

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[11] **2,836,612**  
[13] C

[51] **Int.Cl. C07J 7/00 (2006.01) A61K 31/57 (2006.01) A61K 31/573 (2006.01)**

[25] EN

[54] **ANTAGONISTS OF CBI RECEPTOR**

[54] **ANTAGONISTES DU RECEPTEUR CBI**

[72] PIAZZA, PIER VINCENZO, FR  
[72] VALLEE, MONIQUE, FR  
[72] MARSICANO, GIOVANNI, FR  
[72] FELPIN, FRANCOIS-XAVIER, FR  
[72] BELLOCCHIO, LUIGI, FR  
[72] COTA, DANIELA, FR  
[72] REVEST, JEAN-MICHEL, FR  
[72] VITIELLO, SERGIO, FR  
[72] SPAMPINATO, UMBERTO, FR  
[72] MALDONADO, RAFAEL, ES  
[73] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR  
[73] UNIVERSITE DE BORDEAUX, FR  
[85] 2013-11-19  
[86] 2012-05-18 (PCT/EP2012/059310)  
[87] (WO2012/160006)  
[30] EP (11305625.3) 2011-05-20

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[11] **2,836,803**  
[13] C

[51] **Int.Cl. B01D 17/022 (2006.01)**

[25] EN

[54] **SYNTHETIC BUBBLES OR BEADS HAVING HYDROPHOBIC SURFACE**

[54] **BULLES OU PERLES SYNTHETIQUES AYANT UNE SURFACE HYDROPHOBE**

[72] ROTHMAN, PAUL J., US  
[72] FERNALD, MARK R., US  
[72] DIDDEN, FRANCIS K., US  
[72] O'KEEFE, CHRISTIAN V., US  
[72] KERSEY, ALAN D., US  
[72] ADAMSON, DOUGLAS H., US  
[73] CIDRA CORPORATE SERVICES INC., US  
[85] 2013-11-19  
[86] 2012-05-25 (PCT/US2012/039596)  
[87] (WO2012/162614)  
[30] US (61/489,893) 2011-05-25  
[30] US (61/533,544) 2011-09-12

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[11] **2,838,575**  
[13] C

[51] **Int.Cl. H04N 19/33 (2014.01) H04N 19/124 (2014.01) H04N 19/176 (2014.01)**

[25] EN

[54] **IMAGE DECODING METHOD, IMAGE CODING METHOD, IMAGE DECODING APPARATUS, IMAGE CODING APPARATUS, AND IMAGE CODING AND DECODING APPARATUS**

[54] **PROCEDE DE DECODAGE D'IMAGE, PROCEDE DE CODAGE D'IMAGE, APPAREIL DE DECODAGE D'IMAGE, APPAREIL DE CODAGE D'IMAGE ET APPAREIL DE CODAGE/DECODAGE D'IMAGE**

[72] SASAI, HISAO, JP  
[72] NISHI, TAKAHIRO, JP  
[72] SHIBAHARA, YOUJI, JP  
[72] SUGIO, TOSHIYASU, JP  
[72] TANIKAWA, KYOKO, JP  
[72] MATSUNOBU, TORU, JP  
[73] SUN PATENT TRUST, US  
[85] 2013-12-05  
[86] 2012-07-06 (PCT/JP2012/004407)  
[87] (WO2013/008438)  
[30] US (61/506,430) 2011-07-11

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[11] **2,838,930**  
[13] C

[51] **Int.Cl. C07K 16/06 (2006.01) C07K 1/36 (2006.01)**

[25] FR

[54] **METHOD FOR PREPARING A POLYVALENT-IMMUNOGLOBULIN CONCENTRATE**

[54] **PROCEDE DE PREPARATION D'UN CONCENTRE D'IMMUNOGLOBULINES POLYVALENTES**

[72] CHTOUROU, ABDESSATAR, FR  
[72] BATAILLE, DAMIEN, FR  
[72] MICHAUX, GEORGES, FR  
[73] LABORATOIRE FRANCAIS DU FRACTIONNEMENT ET DES BIOTECHNOLOGIES, FR  
[85] 2013-12-10  
[86] 2012-07-11 (PCT/EP2012/063549)  
[87] (WO2013/007740)  
[30] FR (11/56285) 2011-07-11

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[11] **2,839,284**  
[13] C

[51] **Int.Cl. E21B 33/06 (2006.01) E21B 33/064 (2006.01)**

[25] EN

[54] **DIVERTER SYSTEM FOR A SUBSEA WELL**

[54] **SYSTEME DEFLECTEUR POUR Puits SOUS-MARIN**

[72] LUGO, MARIO R., US  
[73] TRENDSETTER ENGINEERING, INC., US  
[85] 2013-12-12  
[86] 2012-06-14 (PCT/US2012/042376)  
[87] (WO2012/174194)  
[30] US (13/160,032) 2011-06-14

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[11] **2,839,864**  
[13] C

[51] **Int.Cl. D21C 11/00 (2006.01) C08H 8/00 (2010.01) C07G 1/00 (2011.01)**

[25] EN

[54] **METHOD FOR LIGNIN SEPARATION FROM BLACK LIQUOR COMPRISING MULTIPLE ACIDIFICATION STEPS**

[54] **PROCEDE DE SEPARATION DE LIGNINE D'UNE LIQUEUR NOIRE COMPRENANT DE MULTIPLES ETAPES D'ACIDIFICATION**

[72] BJORKLUND, PETER, SE  
[72] WIMBY, MARTIN, SE  
[72] WALLMO, HENRIK, SE  
[73] VALMET AB, SE  
[85] 2013-12-18  
[86] 2011-06-22 (PCT/SE2011/050830)  
[87] (WO2012/177198)

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[11] **2,839,872**  
[13] C

[51] **Int.Cl. G01N 21/84 (2006.01) A61B 6/00 (2006.01) A61B 6/03 (2006.01) G01N 21/76 (2006.01)**

[25] EN

[54] **INTEGRATED MICROTOMOGRAPHY AND OPTICAL IMAGING SYSTEMS**

[54] **SYSTEME DE MICRO TOMOGRAPHIE ET D'IMAGERIE OPTIQUE INTEGREES**

[72] STEARNS, DANIEL G., US  
[72] NILSON, DAVID G., US  
[72] RICE, BRADLEY W., US  
[73] CALIPER LIFE SCIENCES, INC., US  
[85] 2013-12-18  
[86] 2012-06-15 (PCT/US2012/042730)  
[87] (WO2012/177512)  
[30] US (13/164,640) 2011-06-20

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[11] **2,840,245**  
[13] C

[51] **Int.Cl. H01L 21/50 (2006.01) H01L 33/58 (2010.01) B60Q 3/233 (2017.01) B60N 2/90 (2018.01) H01L 25/075 (2006.01) H05B 37/02 (2006.01)**

[25] EN

[54] **LIGHTING DEVICE UTILIZING LIGHT ACTIVE SHEET MATERIAL WITH INTEGRATED LIGHT EMITTING DIODE, DISPOSED IN SEAM AND/OR IN LOW PROFILE APPLICATION**

[54] **DISPOSITIF D'ECLAIRAGE UTILISANT UN MATERIAU EN FEUILLES ACTIF A LA LUMIERE DOTE D'UNE DIODE ELECTROLUMINESCENTE INTEGREE, DISPOSEE DANS UNE SOUDURE ET/OU DANS UNE APPLICATION A PROFIL BAS**

[72] MARX, MARTIN J., US  
[72] BOZICH, RICHARD C., US  
[72] ROBBINS, STANLEY D., US  
[72] ROBERTS, JAMES E., US  
[72] EHLERS, JENNIFER M., US  
[73] GROTE INDUSTRIES, LLC, US  
[85] 2013-12-20  
[86] 2012-07-27 (PCT/US2012/048584)  
[87] (WO2013/016652)  
[30] US (61/512,272) 2011-07-27

**Canadian Patents Issued  
June 12, 2018**

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[11] **2,840,508**  
[13] C

[51] **Int.Cl. F28D 1/047 (2006.01) F28F 1/00 (2006.01) F28F 27/00 (2006.01)**  
[25] EN  
[54] **MULTI-PHASE DISTRIBUTION SYSTEM, SUB SEA HEAT EXCHANGER AND A METHOD OF TEMPERATURE CONTROL FOR HYDROCARBONS**  
[54] **SYSTEME DE DISTRIBUTION MULTIPHASIQUE, ECHANGEUR DE CHALEUR SOUS-MARIN ET PROCEDE DE REGULATION DE TEMPERATURE POUR HYDROCARBURES**  
[72] KAASA, BAARD, NO  
[72] RUSTEN, BERNT HENNING, NO  
[72] MARAK, KNUT ARILD, NO  
[72] FREDHEIM, ARNE OLAV, NO  
[73] STATOIL PETROLEUM AS, NO  
[85] 2013-12-27  
[86] 2011-07-01 (PCT/EP2011/061148)  
[87] (WO2013/004276)

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[11] **2,841,148**  
[13] C

[51] **Int.Cl. G01J 3/12 (2006.01) G02B 27/09 (2006.01)**  
[25] EN  
[54] **SPECTROGRAPH WITH ANAMORPHIC BEAM EXPANSION**  
[54] **SPECTROGRAPHE A DILATATION ANAMORPHIQUE DES FAISCEAUX**  
[72] BEHR, BRADFORD B., US  
[72] MEADE, JEFFREY T., CA  
[73] TORNADO SPECTRAL SYSTEMS INC., CA  
[85] 2013-12-20  
[86] 2012-06-22 (PCT/CA2012/000615)  
[87] (WO2012/174655)  
[30] US (61/500,948) 2011-06-24

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[11] **2,841,732**  
[13] C

[51] **Int.Cl. E21B 33/12 (2006.01)**  
[25] EN  
[54] **HYDRAULIC SET PACKER WITH PISTON TO ANNULUS COMMUNICATION**  
[54] **GARNITURE DE DISPOSITIF HYDRAULIQUE AVEC COMMUNICATION ENTRE LE PISTON ET L'ESPACE ANNULAIRE**  
[72] DERBY, MICHAEL C, US  
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US  
[86] (2841732)  
[87] (2841732)  
[22] 2014-02-06  
[30] US (61/762,263) 2013-02-07

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[11] **2,842,495**  
[13] C

[51] **Int.Cl. C07D 333/20 (2006.01) G01N 30/02 (2006.01)**  
[25] EN  
[54] **5,6,7,8-TETRAHYDRO-6-[N,N-BIS(2-THIENYL)ETHYL]AMINO-1-NAPHTHOL, AND PREPARING METHOD AND USE THEREOF**  
[54] **5,6,7,8-TETRAHYDRO-6-[N,N-BIS(2-THIENYL)ETHYL]AMINO-1-NAPHTOL, PROCEDE DE PREPARATION ET UTILISATION**  
[72] YANG, MINA, CN  
[72] ZHAO, YANYAN, CN  
[72] ZHOU, FENGMEI, CN  
[72] MENG, QINGGUO, CN  
[72] WANG, TAO, CN  
[73] SHANDONG LUYE PHARMACEUTICAL CO., LTD, CN  
[85] 2014-01-21  
[86] 2012-08-06 (PCT/CN2012/001038)  
[87] (WO2013/023433)  
[30] CN (201110235541.9) 2011-08-17

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[11] **2,843,862**  
[13] C

[51] **Int.Cl. G03G 9/08 (2006.01) C08J 3/16 (2006.01)**  
[25] EN  
[54] **EMULSION AGGREGATION PROCESS**  
[54] **PROCEDE D'AGREGATION EN EMULSION**  
[72] LAWTON, DAVID, CA  
[72] FAUCHER, SANTIAGO, CA  
[72] KURCEBA, DAVID R., CA  
[72] LEE, FRANK PING HAY, CA  
[72] MCNEIL, DANIEL M., CA  
[73] XEROX CORPORATION, US  
[86] (2843862)  
[87] (2843862)  
[22] 2014-02-25  
[30] US (13/850654) 2013-03-26

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[11] **2,844,608**  
[13] C

[51] **Int.Cl. B65D 5/38 (2006.01) B65D 5/43 (2006.01) B65D 5/72 (2006.01) B65D 5/70 (2006.01)**  
[25] EN  
[54] **PACKAGE**  
[54] **EMBALLAGE**  
[72] ANDERSSON, PETER, SE  
[72] WERME, JOHAN, SE  
[72] MAKDESSI, SOHEIL, SE  
[73] A&R CARTON OY, FI  
[85] 2014-02-07  
[86] 2011-08-19 (PCT/SE2011/051001)  
[87] (WO2013/028105)

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[11] **2,845,775**  
[13] C

[51] **Int.Cl. E03C 1/12 (2006.01)**  
[25] EN  
[54] **DRAINPIPE, METHOD FOR PREVENTING BLOCKAGE OF DRAINPIPE AND INSTALLATION STRUCTURE OF DRAINPIPE**  
[54] **TUYAU DE VIDANGE, PROCEDE DE PREVENTION DE BOUCHAGE DE TUYAU DE VIDANGE ET STRUCTURE DE DISPOSITION DE TUYAU DE VIDANGE**  
[72] KOMATSU, YOSHIMI, JP  
[72] YOSHIDA, YOSHIHIRO, JP  
[73] YOSHIDA ANNY CO. LTD., JP  
[73] AKITA UNIVERSITY, JP  
[85] 2014-02-19  
[86] 2012-12-26 (PCT/JP2012/083600)  
[87] (WO2013/099920)  
[30] JP (2011-283396) 2011-12-26  
[30] JP (2012-107956) 2012-05-09

**Brevets canadiens délivrés  
12 juin 2018**

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[11] **2,846,125**  
[13] C

[51] **Int.Cl. B05B 1/18 (2006.01) E03C 1/08 (2006.01)**  
[25] EN  
[54] **MULTI-FUNCTION WAND ASSEMBLY**  
[54] **ENSEMBLE TUBE RALLONGE MULTIFONCTION**  
[72] MEEHAN, STEVEN K., US  
[72] TANG, YILIN, CN  
[72] LU, JUNXI, CN  
[73] DELTA FAUCET COMPANY, US  
[86] (2846125)  
[87] (2846125)  
[22] 2014-03-14  
[30] US (61/801,506) 2013-03-15

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[11] **2,846,404**  
[13] C

[51] **Int.Cl. G06F 11/32 (2006.01) H04L 12/26 (2006.01)**  
[25] EN  
[54] **HOST COMPUTING DEVICES CONTROL COMPONENT STATUS DISPLAY**  
[54] **AFFICHAGE DE STATUT DE COMPOSANT DE COMMANDE DE DISPOSITIFS INFORMATIQUES HOTES**  
[72] CORDDRY, MATTHEW T., US  
[72] CAMP, WYATT D., US  
[72] GABRIELSON, JACOB, US  
[73] AMAZON TECHNOLOGIES, INC., US  
[85] 2014-02-24  
[86] 2012-08-24 (PCT/US2012/052356)  
[87] (WO2013/032937)  
[30] US (13/221,609) 2011-08-30

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[11] **2,846,739**  
[13] C

[51] **Int.Cl. G01P 15/18 (2013.01) E21B 44/00 (2006.01) G01P 3/00 (2006.01) G07C 3/02 (2006.01)**  
[25] EN  
[54] **ENVIRONMENTAL SEVERITY MEASUREMENT TOOL**  
[54] **OUTIL DE MESURE DE GRAVITE ENVIRONNEMENTALE**  
[72] KONSCHUH, CHRIS, CA  
[72] CROWTHER, MIKE, CA  
[72] STEIGER, LANDON, CA  
[72] SHAW, MICHAEL CRAIG, GB  
[73] ARRIVAL OIL TOOLS, INC., CA  
[86] (2846739)  
[87] (2846739)  
[22] 2014-03-14  
[30] US (61/789,937) 2013-03-15

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[11] **2,847,491**  
[13] C

[51] **Int.Cl. G01N 21/61 (2006.01)**  
[25] EN  
[54] **VARIABLE GEOMETRY OPTICAL GAS DETECTOR**  
[54] **DETECTEUR DE GAZ OPTIQUE A GEOMETRIE VARIABLE**  
[72] FRIGO, GIACOMINO, IT  
[73] N.E.T. SRL, IT  
[86] (2847491)  
[87] (2847491)  
[22] 2014-03-24  
[30] IT (MI 2013 A 000478) 2013-03-29

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[11] **2,848,843**  
[13] C

[51] **Int.Cl. C22B 1/00 (2006.01) C22B 11/08 (2006.01)**  
[25] EN  
[54] **PRE-TREATMENT FOR CONVENTIONAL CYANIDATION FOR SILVER RECOVERING FROM MANGANESE - ARGENTIFEROUS ORES CONTAINING OCCLUDED SILVER**  
[54] **PRETRAITEMENT POUR CYANURATION CLASSIQUE POUR LA RECUPERATION D'ARGENT A PARTIR DE MINERAIS DE MANGANESE ARGENTIFERE CONTENANT DE L'ARGENT OCCLUS**  
[72] CASTILLO CASTILLO, PEDRO, MX  
[72] ORRANTIA BORUNDA, ERASMO, MX  
[73] CENTRO DE INVESTIGACION EN MATERIALES AVANZADOS, S.C., MX  
[86] (2848843)  
[87] (2848843)  
[22] 2014-04-08  
[30] MX (MX/A2013/015102) 2013-12-18

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[11] **2,849,906**  
[13] C

[51] **Int.Cl. A01F 15/08 (2006.01)**  
[25] EN  
[54] **BALER ATTACHMENT FOR OPTIONALLY CHANGING THE ORIENTATION OF BALES BEING RELEASED FROM A BALER**  
[54] **ACCESSOIRE DE BOTTELEUSE POUR CHANGER FACULTATIVEMENT L'ORIENTATION DE BOTTES QUI SONT LIBEREES A PARTIR D'UNE BOTTELEUSE**  
[72] THOMPSON, KENT L., US  
[72] DUX, DARIN L., US  
[72] OLMSTEAD, JUSTIN D., US  
[73] VERMEER MANUFACTURING COMPANY, US  
[85] 2014-03-24  
[86] 2012-09-27 (PCT/US2012/057498)  
[87] (WO2013/049308)  
[30] US (61/540,286) 2011-09-28  
[30] US (13/628,555) 2012-09-27

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[11] **2,850,846**  
[13] C

[51] **Int.Cl. B21D 7/024 (2006.01)**  
[25] EN  
[54] **DIE AND COUNTER-DIE TYPE BENDING MACHINE FOR RIGHT-HAND AND LEFT-HAND BENDING AN ELONGATED PIECE**  
[54] **CINTREUSE DE TYPE A MATRICE ET CONTRE-MATRICE POUR CINTRAGE VERS LA DROITE ET VERS LA GAUCHE D'UNE PIECE ALLONGEE**  
[72] CAPORUSSO, ALESSANDRO, IT  
[73] CML INTERNATIONAL S.P.A., IT  
[86] (2850846)  
[87] (2850846)  
[22] 2014-04-28  
[30] IT (RM 2013 A 000259) 2013-05-02  
[30] EP (14425014.9 - 1702) 2014-02-13

**Canadian Patents Issued  
June 12, 2018**

[11] **2,851,000**  
[13] C

[51] **Int.Cl. E04F 15/18 (2006.01) E04F 15/024 (2006.01) E04F 15/10 (2006.01) E04F 15/22 (2006.01)**

[25] EN

[54] **SUBFLOOR COMPONENT AND METHOD FOR MANUFACTURING SAME**

[54] **COMPOSANT DE PLANCHER BRUT ET PROCEDE DE FABRICATION DE CELUI-CI**

[72] AMEND, VICTOR, CA

[73] AMEND, VICTOR, CA

[86] (2851000)

[87] (2851000)

[22] 2014-05-02

[30] CA (2,827,450) 2013-09-17

[11] **2,851,147**  
[13] C

[51] **Int.Cl. C22B 3/18 (2006.01) B01F 7/16 (2006.01) B01J 8/00 (2006.01)**

[25] EN

[54] **BIOLEACHING BIOREACTOR WITH A SYSTEM FOR INJECTION AND DIFFUSION OF AIR**

[54] **BIOREACTEUR POUR LA BIOLIXIVIATION A L'AIDE D'UN SYSTEME POUR L'INJECTION ET LA DIFFUSION D'AIR**

[72] SANCHEZ-VAZQUEZ, BELISARIO, MX

[72] ESTRADA-DE-LOS-SANTOS, FRANCISCO, MX

[72] BUENDIA-CACHU, ERIC DAVID, MX

[72] MONTER-VALENZUELA, ULISES, MX

[73] SERVICIOS CONDUMEX S.A. DE C.V., MX

[85] 2014-04-02

[86] 2012-10-12 (PCT/IB2012/002044)

[87] (WO2013/057557)

[30] MX (MX/a/2011/011147) 2011-10-21

[11] **2,851,226**  
[13] C

[51] **Int.Cl. F02C 7/04 (2006.01) B64D 33/02 (2006.01) F02K 1/46 (2006.01) F02K 3/02 (2006.01)**

[25] EN

[54] **AIR INLET ARRANGEMENT AND METHOD OF MAKING THE SAME**

[54] **STRUCTURE D'ENTREE D'AIR ET PROCEDE DE FABRICATION DE CETTE STRUCTURE**

[72] CONNERS, TIMOTHY R., US

[72] HENNE, PRESTON A., US

[72] HOWE, DONALD C., US

[73] GULFSTREAM AEROSPACE CORPORATION, US

[85] 2014-04-04

[86] 2012-08-17 (PCT/US2012/051455)

[87] (WO2013/028557)

[30] US (61/525,604) 2011-08-19

[30] US (13/541,482) 2012-07-03

[11] **2,851,231**  
[13] C

[51] **Int.Cl. C12N 9/10 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **HIBISCUS CANNABINUS FERULOYL-COA:MONOLIGNOL TRANSFERASE**

[54] **FERULOYL-COA:MONOLIGNOL TRANSFERASE D'HIBISCUS CANNABINUS**

[72] WILKERSON, CURTIS, US

[72] RALPH, JOHN, US

[72] WITHERS, SAUNIA, US

[72] MANSFIELD, SHAWN D., CA

[73] BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY, US

[73] WISCONSIN ALUMNI RESEARCH FOUNDATION, US

[73] THE UNIVERSITY OF BRITISH COLUMBIA, CA

[85] 2014-04-04

[86] 2012-10-04 (PCT/US2012/058741)

[87] (WO2013/052660)

[30] US (61/544,063) 2011-10-06

[11] **2,851,259**  
[13] C

[51] **Int.Cl. H04N 5/33 (2006.01) H04N 7/18 (2006.01)**

[25] EN

[54] **SMART SURVEILLANCE CAMERA SYSTEMS AND METHODS**

[54] **SYSTEMES ET PROCEDES DE CAMERA DE SURVEILLANCE INTELLIGENTE**

[72] TEICH, ANDREW C., US

[72] HOGASTEN, NICHOLAS, US

[72] HOELTER, THEODORE R., US

[72] STRANDEMAR, KATRIN, US

[73] FLIR SYSTEMS, INC., US

[85] 2014-04-04

[86] 2012-09-28 (PCT/US2012/058099)

[87] (WO2013/052383)

[30] US (61/545,056) 2011-10-07

[30] US (61/663,336) 2012-06-22

[11] **2,852,125**  
[13] C

[51] **Int.Cl. B60D 1/06 (2006.01) B60D 1/52 (2006.01) B62D 53/04 (2006.01)**

[25] EN

[54] **HITCH ASSEMBLY FOR TRUCK FRAME WITH INTEGRATED HITCH MOUNTING STRUCTURE**

[54] **ENSEMBLE ATTELAGE POUR CHASSIS DE CAMION AVEC STRUCTURE DE MONTAGE D'ATTELAGE INTEGREE**

[72] MCCALL, TRAVIS M., US

[72] BORROR, NELSON, US

[72] LUEDKE, BRENT, US

[73] B & W CUSTOM TRUCK BEDS, INC., US

[86] (2852125)

[87] (2852125)

[22] 2014-05-16

[30] US (61/823,958) 2013-05-16

[30] US (14/279,450) 2014-05-16



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[11] **2,852,423**  
[13] C

[51] **Int.Cl. E21B 43/12 (2006.01) E21B 34/06 (2006.01)**  
[25] EN  
[54] **ROTATIONAL MOTION-INDUCING VARIABLE FLOW RESISTANCE SYSTEMS HAVING A SIDEWALL FLUID OUTLET AND METHODS FOR USE THEREOF IN A SUBTERRANEAN FORMATION**  
[54] **SYSEEMES DE RESISTANCE VARIABLE A L'ECOULEMENT INDUisant UN MOUVEMENT DE ROTATION ET PRESENTANT DES SORTIES DE FLUIDE LATERALES, ET LEURS PROCEDES DE MISE EN ŒUVRE DANS UNE FORMATION SOUTERRAINE**  
[72] DYKSTRA, JASON D., US  
[72] FRIPP, MICHAEL L., US  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2014-04-15  
[86] 2011-11-10 (PCT/US2011/060087)  
[87] (WO2013/070219)

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[51] **Int.Cl. C10J 3/00 (2006.01) B01J 8/18 (2006.01) C10G 2/00 (2006.01) C10L 3/00 (2006.01)**  
[25] EN  
[54] **SEAL POT DESIGN**  
[54] **CONCEPTION DE POT-TAMPON**  
[72] WEIBIN, JIANG, US  
[72] MCCOMISH, BRUCE E., US  
[72] BORUM, BRYAN C., US  
[72] CARRYER, BENJAMIN H., US  
[72] IBSEN, MARK D., US  
[72] ROBERTSON, MARK K., US  
[72] ELROD, ERIC R., US  
[72] WEEKS, SIM, US  
[72] WRIGHT, HAROLD A., US  
[73] RES USA, LLC, US  
[85] 2014-04-16  
[86] 2012-10-15 (PCT/US2012/060237)  
[87] (WO2013/062801)  
[30] US (61/551,580) 2011-10-26

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[13] C

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[25] EN  
[54] **AMINOALKYL-SUBSTITUTED N-THIENYLBENZAMIDE DERIVATIVE**  
[54] **DERIVE DE N-THIENYL BENZAMIDE SUBSTITUE AVEC UN AMINOALKYLE**  
[72] MIURA, MASANORI, JP  
[72] KAGA, DAISUKE, JP  
[72] WATANUKI, SUSUMU, JP  
[72] HACHIYA, SHUNICHIRO, JP  
[72] OKUDA, TAKAO, JP  
[72] SATO, IPPEI, JP  
[72] ISOMURA, MAI, JP  
[72] TERAJ, KAZUHIRO, JP  
[72] TERADA, YOH, JP  
[73] ASTELLAS PHARMA INC., JP  
[85] 2014-04-25  
[86] 2012-10-25 (PCT/JP2012/077660)  
[87] (WO2013/062065)  
[30] JP (2011-236533) 2011-10-27

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[13] C

[51] **Int.Cl. G06F 17/10 (2006.01) E21B 43/26 (2006.01) G06F 17/16 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR FLEXIBLE AND EFFICIENT SIMULATION OF VARYING FRACTURE DENSITY IN A RESERVOIR SIMULATOR**  
[54] **SYSTEME ET PROCEDE POUR LA SIMULATION SOUPLE ET EFFICACE D'UNE DENSITE DE FRACTURES VARIABLE A L'AIDE D'UN SIMULATEUR DE RESERVOIR**  
[72] HINKLEY, RICHARD EDWARD, US  
[72] WANG, QINGHUA, US  
[72] WATTS, JAMES WILLIAM, US  
[72] FLEMING, GRAHAM CHRISTOPHER, US  
[72] CAMILLERI, DOMINIC, US  
[72] WANG, KEFEI, US  
[72] LIU, WEI DAVID, US  
[73] LANDMARK GRAPHICS CORPORATION, US  
[85] 2014-04-29  
[86] 2011-12-16 (PCT/US2011/065599)  
[87] (WO2013/089788)

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[13] C

[51] **Int.Cl. C08G 18/18 (2006.01) C08G 18/32 (2006.01) C08G 18/40 (2006.01) C08G 18/42 (2006.01) C08G 18/48 (2006.01) C08G 18/54 (2006.01) C08G 18/63 (2006.01) C08G 18/66 (2006.01) C08G 18/76 (2006.01)**  
[25] EN  
[54] **PROCESSES, PRODUCTS, AND COMPOSITIONS HAVING TETRAALKYLGUANIDINE SALT OF AROMATIC CARBOXYLIC ACID**  
[54] **PROCEDES, PRODUITS ET COMPOSITIONS AYANT UN SEL DE TETRAALKYLGUANIDINE D'ACIDE CARBOXYLIQUE AROMATIQUE**  
[72] BURDENIUC, JUAN JESUS, US  
[72] HUHTASAARI, MATTI SAKARI, DE  
[73] EVONIK DEGUSSA GMBH, DE  
[85] 2014-04-29  
[86] 2012-11-16 (PCT/US2012/065487)  
[87] (WO2013/074907)  
[30] US (61/560,892) 2011-11-17

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[13] C

[51] **Int.Cl. H02J 13/00 (2006.01) G01R 21/06 (2006.01)**  
[25] EN  
[54] **ADVANCED ENERGY MONITORING AND CONTROL IN A COMPLEX SYSTEM**  
[54] **SURVEILLANCE ET COMMANDE D'ENERGIE AVANCEES DANS UN SYSTEME COMPLEXE**  
[72] LI, SHERWIN C., US  
[73] THE BOEING COMPANY, US  
[86] (2855085)  
[87] (2855085)  
[22] 2014-06-20  
[30] US (13/963,040) 2013-08-09

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[11] **2,855,182**  
[13] C

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/42 (2006.01)**  
[25] EN  
[54] **PHARMACEUTICAL COMPOSITIONS FOR THE TREATMENT OF TUMOURS THAT EXPRESS EGFR AND GANGLIOSIDE N-GLYCOLYL GM3 (NEUGC3M3)**  
[54] **COMPOSITIONS PHARMACEUTIQUES POUR LE TRAITEMENT DE TUMEURS QUI EXPRIMENT LE REGF ET GANGLIOSIDE N-GLYCOLYL GM3 (NEUGC3M3)**  
[72] GONZALEZ PALOMO, ADYS, CU  
[72] CARR PEREZ, ADRIANA, CU  
[72] LEON MONZON, KALET, CU  
[72] BLANCO SANTANA, RANCES, CU  
[72] BARROSO ALVAREZ, MARIA DEL CARMEN, CU  
[72] MACIAS ABRAHAM, AMPARO EMILIA, CU  
[72] MONTERO CASIMIRO, JOSE ENRIQUE, CU  
[73] CENTRO DE INMUNOLOGIA MOLECULAR, CU  
[85] 2014-05-09  
[86] 2012-12-04 (PCT/CU2012/000007)  
[87] (WO2013/097834)  
[30] CU (CU/P/2011/0245) 2011-12-27

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[11] **2,856,052**  
[13] C

[51] **Int.Cl. A61F 13/537 (2006.01) B32B 27/02 (2006.01) D04H 3/00 (2012.01)**  
[25] EN  
[54] **ABSORBENT ARTICLE HAVING FLUID FLOW CONTROL MEMBER**  
[54] **ARTICLE ABSORBANT POSSEDANT UN ELEMENT DE REGULATION DE L'ECOULEMENT DE LIQUIDE**  
[72] PERSSON, CHARLOTTE, SE  
[72] ANDERSSON, PATRIK, SE  
[72] VARTIAINEN, KENT, SE  
[72] HANSON, CHARLOTTA, SE  
[72] WIEZELL, BRITT-MARIE, SE  
[72] WOOD, LEIGH E., US  
[72] PRIOLEAU, LORI-ANN S., US  
[72] LALIBERTE, THOMAS R., US  
[72] EHLERS, KERSTIN K., DE  
[72] KITZER, PETER P., NL  
[73] SCA HYGIENE PRODUCTS AB, SE  
[85] 2014-05-15  
[86] 2011-12-01 (PCT/SE2011/051462)  
[87] (WO2013/081515)

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[11] **2,856,135**  
[13] C

[51] **Int.Cl. G07D 3/14 (2006.01) B65G 51/00 (2006.01) G07D 13/00 (2006.01)**  
[25] EN  
[54] **CONVEYOR DEVICE FOR COINS**  
[54] **DISPOSITIF DE TRANSPORT POUR PIECES DE MONNAIE**  
[72] FAUL, THOMAS, DE  
[72] LUFT, MICHAEL RUDOLPH, DE  
[73] NOVOMATIC AG, AT  
[85] 2014-05-16  
[86] 2012-11-14 (PCT/EP2012/072534)  
[87] (WO2013/072325)  
[30] DE (102011055538.2) 2011-11-18

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[11] **2,858,083**  
[13] C

[51] **Int.Cl. B65G 17/38 (2006.01) B65G 15/32 (2006.01)**  
[25] EN  
[54] **CONVEYOR BELT WITH ALIGNMENT FEATURES**  
[54] **COURROIE DE TRANSPORT A ELEMENTS D'ALIGNEMENT**  
[72] LASECKI, JONATHAN R., US  
[72] NEELY, DARROLL JOSEPH, US  
[73] ASHWORTH BROS., INC., US  
[85] 2014-06-03  
[86] 2012-12-06 (PCT/US2012/068255)  
[87] (WO2013/086198)  
[30] US (13/311,754) 2011-12-06  
[30] US (13/311,783) 2011-12-06

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[11] **2,858,400**  
[13] C

[51] **Int.Cl. B65G 17/06 (2006.01)**  
[25] EN  
[54] **CONVEYOR BELT LINK WITH ROD RETAINING FEATURE**  
[54] **MAILLON DE COURROIE TRANSPORTEUSE AVEC ELEMENT DE MAINTIEN A TIGE**  
[72] NEELY, DARROLL JOSEPH, US  
[72] BOWEN, JOSEPH A., US  
[73] ASHWORTH BROS., INC., US  
[85] 2014-06-05  
[86] 2012-12-06 (PCT/US2012/068286)  
[87] (WO2013/086220)  
[30] US (13/311,773) 2011-12-06  
[30] US (13/311,882) 2011-12-06  
[30] US (13/311,900) 2011-12-06  
[30] US (13/311,888) 2011-12-06  
[30] US (13/311,797) 2011-12-06

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[11] **2,858,457**  
[13] C

[51] **Int.Cl. H01J 49/06 (2006.01)**  
[25] EN  
[54] **MASS SPECTROMETER VACUUM INTERFACE METHOD AND APPARATUS**  
[54] **PROCEDE ET APPAREIL POUR INTERFACE A VIDE DE SPECTROMETRE DE MASSE**  
[72] MAKAROV, ALEXANDER ALEKSEEVICH, DE  
[72] ROTTMANN, LOTHAR, DE  
[73] THERMO FISHER SCIENTIFIC (BREMEN) GMBH, DE  
[85] 2014-06-06  
[86] 2012-12-12 (PCT/EP2012/075301)  
[87] (WO2013/087731)  
[30] GB (1121290.9) 2011-12-12

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[11] **2,859,049**  
[13] C

- [51] **Int.Cl. G08G 1/09 (2006.01)**  
[25] EN  
[54] **MULTI-AGENT REINFORCEMENT LEARNING FOR INTEGRATED AND NETWORKED ADAPTIVE TRAFFIC SIGNAL CONTROL**  
[54] **APPRENTISSAGE PAR RENFORCEMENT MULTI-AGENTS DESTINE A UN CONTROLE ADAPTATIF DE SIGNAUX DE CIRCULATION INTEGRE ET CONNECTE EN RESEAU**  
[72] EL-TANTAWY, SAMAH, CA  
[72] ABDULHAI, BAHER, CA  
[73] PRAGMATEK TRANSPORT INNOVATIONS, INC., CA  
[85] 2014-06-12  
[86] 2012-12-10 (PCT/CA2012/050887)  
[87] (WO2013/086629)  
[30] US (61/576,637) 2011-12-16

[11] **2,859,168**  
[13] C

- [51] **Int.Cl. C07C 17/10 (2006.01) C07C 19/01 (2006.01)**  
[25] EN  
[54] **PROCESS FOR THE PRODUCTION OF CHLORINATED PROPANES AND PROPENES**  
[54] **PROCEDE DE PRODUCTION DE PROPANES ET PROPENES CHLORES**  
[72] TIRTOWIDJOJO, MAX MARKUS, US  
[72] GRANDBOIS, MATTHEW LEE, US  
[72] KRUPER, WILLIAM J., JR., US  
[72] CALVERLEY, EDWARD M., US  
[72] LAITAR, DAVID STEPHEN, US  
[72] HIRSEKORN, KURT FREDERICK, US  
[73] BLUE CUBE IP LLC, US  
[85] 2014-06-12  
[86] 2012-12-12 (PCT/US2012/069230)  
[87] (WO2013/090421)  
[30] US (61/570,028) 2011-12-13  
[30] US (61/583,799) 2012-01-06

[11] **2,859,460**  
[13] C

- [51] **Int.Cl. B05C 17/01 (2006.01)**  
[25] EN  
[54] **CAULKING GUN WITH TIP CUTTER MECHANISM**  
[54] **PISTOLET DE CALFEUTRAGE AVEC MECANISME DE COUPE D'EMBOUIT**  
[72] MARSDEN, ANDREW K., US  
[72] DE RENZO, DENNIS P., JR., US  
[72] SZPAK, JAMES E., US  
[72] BUCKEL, CHARLES T., JR., US  
[73] THE SHERWIN-WILLIAMS COMPANY, US  
[85] 2014-06-13  
[86] 2012-12-21 (PCT/US2012/071425)  
[87] (WO2013/096869)  
[30] US (61/578,644) 2011-12-21

[11] **2,860,276**  
[13] C

- [51] **Int.Cl. F16J 15/34 (2006.01) F01D 11/00 (2006.01)**  
[25] EN  
[54] **CONING RESISTANT ROTOR FOR A SEAL ASSEMBLY**  
[54] **ROTOR RESISTANT AUX DEFORMATIONS ("CONING") POUR UN ENSEMBLE JOINT D'ETANCHEITE**  
[72] BERARD, GERALD MAURICE, US  
[72] RUGGERI, EDWARD N., US  
[73] EATON CORPORATION, US  
[85] 2014-06-20  
[86] 2012-12-21 (PCT/US2012/071369)  
[87] (WO2013/106194)  
[30] US (61/578,933) 2011-12-22  
[30] US (61/647,825) 2012-05-16

[11] **2,860,640**  
[13] C

- [51] **Int.Cl. E01F 5/00 (2006.01)**  
[25] EN  
[54] **CONCRETE BRIDGE SYSTEM AND RELATED METHODS**  
[54] **SYSTEME DE PONT EN BETON ET PROCEDES S'Y RAPPORANT**  
[72] ASTON, SCOTT D., US  
[72] CARFAGNO, MICHAEL G., US  
[72] CREAMER, PHILIP A., US  
[73] CONTECH ENGINEERED SOLUTIONS LLC, US  
[85] 2014-07-04  
[86] 2013-01-31 (PCT/US2013/023999)  
[87] (WO2013/119448)  
[30] US (61/595,404) 2012-02-06  
[30] US (61/598,672) 2012-02-14  
[30] US (61/714,323) 2012-10-16

[11] **2,861,658**  
[13] C

- [51] **Int.Cl. G06F 19/00 (2018.01) H04W 4/029 (2018.01) A63B 71/06 (2006.01) H04B 5/00 (2006.01) G01C 22/00 (2006.01)**  
[25] EN  
[54] **ATHLETIC MONITORING SYSTEM HAVING AUTOMATIC PAUSING OF MEDIA CONTENT**  
[54] **SYSTEME DE SURVEILLANCE ATHLETIQUE COMPORTANT UN ARRET AUTOMATIQUE DE CONTENU MULTIMEDIA**  
[72] SWANSON, EVAN, US  
[73] NIKE INNOVATE C.V., US  
[85] 2014-07-31  
[86] 2014-07-08 (PCT/US2014/045732)  
[87] (WO2015/099831)  
[30] US (61/920,286) 2013-12-23  
[30] US (14/309,574) 2014-06-19

[11] **2,862,293**  
[13] C

- [51] **Int.Cl. G01N 33/28 (2006.01)**  
[25] EN  
[54] **A METHOD AND APPARATUS FOR TESTING LOST CIRCULATION MATERIALS FOR SUBTERRANEAN FORMATIONS**  
[54] **PROCEDE ET APPAREIL POUR FORMATIONS SOUTERRAINES PERMETTANT D'EVALUER LES MATERIAUX DE CIRCULATION PERDUS**  
[72] MURPHY, ROBERT J., US  
[72] JAMISON, DALE E., US  
[72] MILLER, MATTHEW L., US  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2014-07-22  
[86] 2013-01-18 (PCT/US2013/022076)  
[87] (WO2013/116012)  
[30] US (13/361,755) 2012-01-30

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[13] C

[51] **Int.Cl. H04L 12/66 (2006.01) H04L 1/18 (2006.01)**  
[25] EN  
[54] **METHOD AND SYSTEM FOR COVERAGE ENHANCEMENT OF UPLINK VOIP**  
[54] **PROCEDE ET SYSTEME POUR L'AMELIORATION DE LA COUVERTURE DE LA VOIP EN LIAISON MONTANTE**  
[72] YUAN, YIFEI, US  
[73] ZTE (USA) INC., US  
[85] 2014-07-24  
[86] 2013-01-28 (PCT/US2013/023368)  
[87] (WO2013/116131)  
[30] US (61/592,290) 2012-01-30

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[11] **2,862,751**  
[13] C

[51] **Int.Cl. B01D 53/14 (2006.01)**  
[25] EN  
[54] **CONTROL OF A CHILLED AMMONIA PROCESS FOR CO2 REMOVAL FROM A FLUE GAS**  
[54] **CONTROLE D'UN PROCEDE D'ELIMINATION DU CO2 DES GAZ DE FUMEE, A BASE D'AMMONIAC REFROIDI**  
[72] HIWALE, RAMESHWAR S., US  
[72] KOSS, ULRICH, CH  
[72] NAUMOVITZ, JOSEPH P., US  
[73] GENERAL ELECTRIC TECHNOLOGY GMBH, CH  
[85] 2014-07-02  
[86] 2013-01-17 (PCT/IB2013/050448)  
[87] (WO2013/108213)  
[30] US (13/352,750) 2012-01-18

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[11] **2,862,795**  
[13] C

[51] **Int.Cl. A61L 27/16 (2006.01) A61L 27/50 (2006.01)**  
[25] EN  
[54] **OPHTHALMIC AND OTORHINOLARYNGOLOGICAL DEVICE MATERIALS CONTAINING A MULTI-ARM PEG MACROMER**  
[54] **MATERIAUX DE DISPOSITIF OPHTALMIQUE ET OTORHINOLARYNGOLOGIQUE CONTENANT UN MACROMERE DE POLYETHYLENE GLYCOL (PEG) A BRAS MULTIPLES**  
[72] LAREDO, WALTER R., US  
[73] NOVARTIS AG, CH  
[85] 2014-07-25  
[86] 2012-02-15 (PCT/US2012/025248)  
[87] (WO2013/122584)

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[11] **2,862,855**  
[13] C

[51] **Int.Cl. B60R 21/20 (2011.01) B60R 21/215 (2011.01) B60R 21/235 (2006.01)**  
[25] EN  
[54] **INFLATION METHOD AND APPARATUS FOR AN AIRBAG**  
[54] **PROCEDE ET APPAREIL DE GONFLAGE D'UN COUSSIN GONFLABLE**  
[72] ARZANPOUR, SIAMAK, CA  
[72] DEHGhani, HOSSEIN, CA  
[73] SIMON FRASER UNIVERSITY, CA  
[85] 2014-07-28  
[86] 2012-01-31 (PCT/CA2012/000101)  
[87] (WO2012/103640)  
[30] US (61/437,920) 2011-01-31

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[11] **2,863,159**  
[13] C

[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 31/165 (2006.01) A61P 25/36 (2006.01)**  
[25] FR  
[54] **USE OF MODAFINIL IN THE TREATMENT OF COCAINE ADDICTS**  
[54] **APPLICATION DU MODAFINIL DANS LE TRAITEMENT DES COCAINOMANES**  
[72] SUPLIE, PASCAL, FR  
[72] VIVET, PHILIPPE, FR  
[73] DEBREGEAS ET ASSOCIES PHARMA, FR  
[85] 2014-07-29  
[86] 2013-02-25 (PCT/FR2013/000052)  
[87] (WO2013/128088)  
[30] FR (12/00581) 2012-02-28

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[11] **2,863,470**  
[13] C

[51] **Int.Cl. C10G 3/00 (2006.01) C11C 3/00 (2006.01) C11C 3/12 (2006.01)**  
[25] EN  
[54] **A METHOD FOR PRODUCTION OF HYDROCARBONS BY INCREASING HYDROCARBON CHAIN LENGTH**  
[54] **PROCEDE DE PRODUCTION D'HYDROCARBURES PAR AUGMENTATION DE LA LONGUEUR DE CHAINE HYDROCARBONNEE**  
[72] MYLLYOJA, JUKKA, FI  
[72] AALTO, PEKKA, FI  
[72] PIILOLA, RAMI, FI  
[73] NESTE OYJ, FI  
[85] 2014-07-31  
[86] 2012-11-01 (PCT/FI2012/051067)  
[87] (WO2013/113977)  
[30] US (61/592,842) 2012-01-31

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[11] **2,864,078**  
[13] C

- [51] **Int.Cl. G01N 23/04 (2018.01) G01N 23/10 (2018.01)**  
[25] EN  
[54] **HIGH-SPEED SECURITY INSPECTION SYSTEM**  
[54] **SYSTEME D'INSPECTION DE SECURITE A GRANDE VITESSE**  
[72] MORTON, EDWARD JAMES, GB  
[73] RAPISCAN SYSTEMS, INC., US  
[85] 2014-08-07  
[86] 2013-01-29 (PCT/US2013/023676)  
[87] (WO2013/119423)  
[30] US (61/596,648) 2012-02-08

[11] **2,864,320**  
[13] C

- [51] **Int.Cl. G01N 27/413 (2006.01)**  
[25] EN  
[54] **GAS SENSOR USING AN IONIC LIQUID ELECTROLYTE**  
[54] **CAPTEUR DE GAZ UTILISANT UN ELECTROLYTE LIQUIDE IONIQUE**  
[72] CHAPPLES, JOHN, US  
[72] JONES, MARTIN GEOFFREY, US  
[73] HONEYWELL INTERNATIONAL INC., US  
[86] (2864320)  
[87] (2864320)  
[22] 2014-09-12  
[30] US (14/037,959) 2013-09-26

[11] **2,864,507**  
[13] C

- [51] **Int.Cl. C22C 19/05 (2006.01) C30B 29/52 (2006.01)**  
[25] EN  
[54] **HIGH STRENGTH SINGLE CRYSTAL SUPERALLOY**  
[54] **SUPERALLIAGE DE CRISTAL SIMPLE HAUTE RESISTANCE**  
[72] HARRIS, KENNETH, US  
[72] WAHL, JACQUELINE B., US  
[73] CANNON-MUSKEGON CORPORATION, US  
[86] (2864507)  
[87] (2864507)  
[22] 2014-09-22  
[30] US (14/272,627) 2014-05-08

[11] **2,864,827**  
[13] C

- [51] **Int.Cl. H04L 29/06 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR DYNAMIC FILE AVAILABILITY DURING ENCODING**  
[54] **SYSTEME ET PROCEDE POUR LA DISPONIBILITE DE FICHIER DYNAMIQUE PENDANT L'ENCODAGE**  
[72] DAHL, JONATHAN H., US  
[72] ARBINI, BRANDON, US  
[72] GREER, JUSTIN R., US  
[72] SUTTON, NATHAN L., US  
[73] BRIGHTCOVE, INC., US  
[85] 2014-08-14  
[86] 2013-02-15 (PCT/US2013/026391)  
[87] (WO2013/123360)  
[30] US (61/599,861) 2012-02-16  
[30] US (13/767,363) 2013-02-14

[11] **2,865,331**  
[13] C

- [51] **Int.Cl. A61K 31/55 (2006.01) A61P 35/00 (2006.01)**  
[25] EN  
[54] **8-SUBSTITUTED BENZOAZEPINES AS TOLL-LIKE RECEPTOR MODULATORS**  
[54] **BENZOAZEPINES SUBSTITUEES EN 8, MODULATRICES DU RECEPTEUR TOLL-LIKE**  
[72] DOHERTY, GEORGE A., US  
[72] EARY, C. TODD, US  
[72] GRONEBERG, ROBERT D., US  
[72] JONES, ZACHARY, US  
[73] ARRAY BIOPHARMA, INC., US  
[86] (2865331)  
[87] (2865331)  
[22] 2006-08-17  
[62] 2,619,581  
[30] US (60/710,004) 2005-08-19

[11] **2,868,555**  
[13] C

- [51] **Int.Cl. G01N 35/10 (2006.01) C12M 1/26 (2006.01) C12M 1/34 (2006.01) C12M 1/36 (2006.01) C12Q 1/04 (2006.01) G01N 1/04 (2006.01) G01N 35/00 (2006.01) H01J 49/16 (2006.01)**  
[25] EN  
[54] **AUTOMATED SELECTION OF MICROORGANISMS AND IDENTIFICATION USING MALDI**  
[54] **SELECTION AUTOMATIQUE DE MICROORGANISMES ET IDENTIFICATION A L'AIDE D'UNE DILAM**  
[72] BOTMA, JETZE, NL  
[72] KLEEFSTRA, MARTIJN, NL  
[72] VAN DER ZEE, TINO WALTER, NL  
[73] BD KIESTRA B.V., NL  
[85] 2014-09-25  
[86] 2013-04-02 (PCT/NL2013/050239)  
[87] (WO2013/147610)  
[30] US (61/618,003) 2012-03-30

[11] **2,869,084**  
[13] C

- [51] **Int.Cl. B65G 67/60 (2006.01) A01K 79/00 (2006.01) F04D 7/00 (2006.01)**  
[25] EN  
[54] **CONSTANT DIAMETER PUMPING SYSTEM AND METHOD**  
[54] **SYSTEME ET METHODE DE POMPAGE A DIAMETRE CONSTANT**  
[72] FALKJAR, DAVID W., CA  
[72] HALSE, JOEL, CA  
[73] COOKE AQUACULTURE INC., CA  
[86] (2869084)  
[87] (2869084)  
[22] 2014-10-28

[11] **2,869,484**  
[13] C

- [51] **Int.Cl. A01C 11/00 (2006.01)**  
[25] EN  
[54] **AN APPARATUS FOR TRANSPLANTING PLANTS**  
[54] **APPAREIL POUR TRANSPLANTER DES PLANTES**  
[72] GUSI GRACIA, CARLOS JOAQUIN, ES  
[72] STROOT, BRAM GERADUS, ES  
[73] PLANT TAPE ALTEA S.L, ES  
[73] PLANT TAPE USA, INC., US  
[86] (2869484)  
[87] (2869484)  
[22] 2014-11-04  
[30] DK (PA 2013 70660) 2013-11-08  
[30] US (62/021,042) 2014-07-04

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[13] C

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[25] EN

[54] **PCV/MYCOPLASMA HYOPNEUMONIAE/PRRS COMBINATION VACCINE**

[54] **VACCIN DE COMBINAISON PCV/MYCOPLASMA HYOPNEUMONIAE/PRRS**

[72] NITZEL, GREGORY P., US

[72] GALVIN, JEFFREY E., US

[72] GARRETT, JOHN KEITH, US

[72] KULAWIK, JAMES R., II, US

[72] RICKER, TRACY L., US

[72] SMUTZER, MEGAN MARIE, US

[73] ZOETIS SERVICES LLC, US

[85] 2014-10-03

[86] 2013-04-03 (PCT/US2013/035091)

[87] (WO2013/152086)

[30] US (61/620,189) 2012-04-04

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[13] C

[51] **Int.Cl. A61K 39/02 (2006.01) A61K 39/12 (2006.01) A61K 39/295 (2006.01)**

[25] EN

[54] **MYCOPLASMA HYOPNEUMONIAE VACCINE**

[54] **VACCIN ANTI-MYCOPLASMA HYPONEUMONIAE**

[72] GALVIN, JEFFREY E., US

[72] NITZEL, GREGORY P., US

[72] GARRETT, JOHN KEITH, US

[72] KULAWIK, JAMES R., II, US

[72] RICKER, TRACY L., US

[72] SMUTZER, MEGAN MARIE, US

[73] ZOETIS SERVICES LLC, US

[85] 2014-10-03

[86] 2013-04-03 (PCT/US2013/035083)

[87] (WO2013/152081)

[30] US (61/620,165) 2012-04-04

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[13] C

[51] **Int.Cl. C04B 35/50 (2006.01) H05K 1/09 (2006.01)**

[25] EN

[54] **SINTERED OXIDE COMPACT AND CIRCUIT BOARD USING SAME**

[54] **BRIQUETTE D'OXYDE FRITTE ET CARTE DE CIRCUIT IMPRIME UTILISANT LADITE BRIQUETTE D'OXYDE FRITTE**

[72] KOZUKA, HISASHI, JP

[72] HISHIDA, TOMOKO, JP

[72] YAMADA, HIDETO, JP

[72] OHBAYASHI, KAZUSHIGE, JP

[73] NGK SPARK PLUG CO., LTD., JP

[85] 2014-10-03

[86] 2013-04-02 (PCT/JP2013/002283)

[87] (WO2013/150779)

[30] JP (2012-087078) 2012-04-06

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[11] **2,869,855**  
[13] C

[51] **Int.Cl. E21B 34/08 (2006.01) E21B 43/12 (2006.01)**

[25] EN

[54] **METHODS OF REMOVING A WELLBORE ISOLATION DEVICE USING A EUTECTIC COMPOSITION**

[54] **PROCEDES PERMETTANT DE RETIRER UN DISPOSITIF D'ISOLATION DE Puits DE FORAGE AU MOYEN D'UNE COMPOSITION EUTECTIQUE**

[72] DAGENAIS, PETE, US

[72] FRIPP, MICHAEL L., US

[72] HAMID, SYED, US

[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2014-10-07

[86] 2013-02-24 (PCT/US2013/027539)

[87] (WO2013/187943)

[30] US (13/523,095) 2012-06-14

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[11] **2,870,026**  
[13] C

[51] **Int.Cl. F16N 21/00 (2006.01) F16N 25/00 (2006.01)**

[25] EN

[54] **LUBRICANT INJECTOR**

[54] **INJECTEUR DE LUBRIFIANT**

[72] CLARK, PETER L., US

[73] INDUSTRIAL MANUFACTURING COMPANY INTERNATIONAL, LLC, US

[86] (2870026)

[87] (2870026)

[22] 2014-11-06

[30] US (14/080,351) 2013-11-14

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[11] **2,870,170**  
[13] C

[51] **Int.Cl. A61L 31/10 (2006.01) A61L 31/14 (2006.01)**

[25] EN

[54] **ADHESIVE STENT COATING FOR ANTI-MIGRATION**

[54] **REVETEMENT ADHESIF ANTI-MIGRATION POUR ENDOPROTHESE VASCULAIRE**

[72] HINGSTON, JOHN, US

[72] JORDAN, GARY, US

[72] BERTOLINO, WILLIAM, US

[72] NORTON, PAUL K., US

[72] WEINER, JASON, US

[73] BOSTON SCIENTIFIC SCIMED, INC., US

[85] 2014-10-09

[86] 2013-08-28 (PCT/US2013/057049)

[87] (WO2014/042875)

[30] US (61/700,008) 2012-09-12

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[11] **2,870,712**  
[13] C

[51] **Int.Cl. B64C 7/00 (2006.01)**

[25] EN

[54] **PRESSURE EQUALIZATION VENT FOR USE IN AN AIRCRAFT ASSEMBLY**

[54] **EVENT D'EGALISATION DE PRESSION POUR UTILISATION DANS UN ENSEMBLE D'AERONEF**

[72] RICHARDSON, MARCUS K., US

[72] TUOHIMAA, CLYDE ROBERT, US

[72] TONKS, MICHAEL JAMES, US

[73] THE BOEING COMPANY, US

[86] (2870712)

[87] (2870712)

[22] 2014-11-10

[30] US (14/166,135) 2014-01-28

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[11] **2,871,035**  
[13] C

[51] **Int.Cl. G01N 27/20 (2006.01) G01R 19/08 (2006.01) G01R 31/12 (2006.01) H01R 43/00 (2006.01) G01B 11/06 (2006.01)**

[25] EN  
[54] **DETERMINATION OF ANISOTROPIC CONDUCTION CHARACTERISTICS**  
[54] **DETERMINATION DE CARACTERISTIQUES DE CONDUCTION ANISOTROPE**

[72] KHOSRAVANI, SHAHRIAR, US  
[73] THE BOEING COMPANY, US  
[86] (2871035)  
[87] (2871035)  
[22] 2014-11-13  
[30] US (14/174,768) 2014-02-06

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[11] **2,871,278**  
[13] C

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

[25] EN  
[54] **SYSTEM AND METHOD FOR STOPPING THE OPERATION OF A WIND TURBINE**  
[54] **SYSTEME ET METHODE D'ARRET DU FONCTIONNEMENT D'UNE TURBINE EOLIENNE**

[72] HUANG, XIONGZHE, CN  
[72] ZHENG, DANIAN, US  
[73] GENERAL ELECTRIC COMPANY, US  
[85] 2014-10-23  
[86] 2012-05-02 (PCT/CN2012/074975)  
[87] (WO2013/163795)

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[13] C

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[25] EN  
[54] **STOCK GUIDE ASSEMBLY**  
[54] **MECANISME DE GUIDAGE DE MATERIAU**

[72] SMITH, DARRIN E., CA  
[73] JESSEM PRODUCTS LIMITED, CA  
[86] (2872087)  
[87] (2872087)  
[22] 2014-11-25  
[30] US (14/546,810) 2014-11-18

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[11] **2,872,279**  
[13] C

[51] **Int.Cl. A61K 8/63 (2006.01) A61K 8/04 (2006.01) A61K 8/55 (2006.01) A61K 9/107 (2006.01) A61K 31/575 (2006.01) A61K 31/685 (2006.01) A61K 47/24 (2006.01) A61P 3/04 (2006.01) A61Q 19/00 (2006.01) A61Q 19/06 (2006.01)**

[25] EN  
[54] **TOPICAL LIPOLYSIS COMPOSITIONS AND METHODS**  
[54] **COMPOSITIONS TOPIQUES DE TRAITEMENT DE LIPOLYSE ET METHODES**

[72] MODI, PANKAJ, CA  
[73] MODI, PANKAJ, CA  
[86] (2872279)  
[87] (2872279)  
[22] 2014-11-25  
[30] US (14/549,732) 2014-11-21

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[11] **2,872,654**  
[13] C

[51] **Int.Cl. E05D 7/00 (2006.01)**

[25] EN  
[54] **HINGE FOR A FIRE DOOR**  
[54] **CHARNIERE DESTINEE A UNE PORTE COUPE-FEU**

[72] PARK, GAP HWAN, KR  
[73] PARK, GAP HWAN, KR  
[85] 2014-11-05  
[86] 2012-05-10 (PCT/KR2012/003652)  
[87] (WO2012/153985)  
[30] KR (10-2011-0043910) 2011-05-11

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[11] **2,873,527**  
[13] C

[51] **Int.Cl. E21B 19/06 (2006.01) E21B 19/07 (2006.01) E21B 19/10 (2006.01)**

[25] EN  
[54] **TUBULAR HANDLING TOOL**  
[54] **OUTIL DE MANIPULATION TUBULAIRE**

[72] STANKOVIC, IGOR, DE  
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US  
[86] (2873527)  
[87] (2873527)  
[22] 2014-12-05  
[30] US (61/912,591) 2013-12-06

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[11] **2,874,347**  
[13] C

[51] **Int.Cl. E05C 9/20 (2006.01) E05C 9/22 (2006.01)**

[25] EN  
[54] **POST FOR TWO SECTION FOLDING CLOSURE AND A FOLDING CLOSURE USING SAME**  
[54] **MONTANT DESTINE A UNE FERMETURE PLIANTE EN DEUX SECTIONS ET UNE FERMETURE PLIANTE EMPLOYANT LEDIT MONTANT**

[72] SVENSON, JULIAN MICHAEL, CA  
[73] DYNAMIC CLOSURES CORPORATION, CA  
[86] (2874347)  
[87] (2874347)  
[22] 2014-12-11

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[11] **2,874,458**  
[13] C

[51] **Int.Cl. H02J 7/00 (2006.01) H02J 50/00 (2016.01)**

[25] EN  
[54] **BATTERY CHARGING METHOD AND ELECTRONIC DEVICE**  
[54] **PROCEDE DE CHARGE DE BATTERIE ET DISPOSITIF ELECTRONIQUE**

[72] KIM, HEE-TAE, KR  
[72] JUNG, KU-CHUL, KR  
[72] LEE, KWANG-SUB, KR  
[72] JANG, SE-YOUNG, KR  
[73] SAMSUNG ELECTRONICS CO., LTD., KR  
[85] 2014-11-21  
[86] 2013-06-14 (PCT/KR2013/005288)  
[87] (WO2013/191416)  
[30] KR (10-2012-0065421) 2012-06-19

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[13] C

[51] **Int.Cl. H04W 48/16 (2009.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR WIRELESSLY MODIFYING DETECTION CHARACTERISTICS OF PORTABLE DEVICES**

[54] **SYSTEMES ET PROCEDES POUR MODIFIER DE MANIERE SANS FIL DES CARACTERISTIQUES DE DETECTION DE DISPOSITIFS PORTABLES**

[72] JAIN, ANAND, US  
[72] STAVROPOULOS, JOHN, US  
[72] NEUHAUSER, ALAN, US  
[72] LYNCH, WENDELL, US  
[72] KUZNETSOV, VLADIMIR, US  
[72] CRYSTAL, JACK, US  
[72] GISH, DAVID, US  
[73] THE NIELSEN COMPANY (US), LLC, US  
[85] 2014-11-28  
[86] 2013-07-02 (PCT/US2013/049120)  
[87] (WO2014/065903)  
[30] US (13/657,380) 2012-10-22

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[11] **2,875,900**  
[13] C

[51] **Int.Cl. H04L 25/02 (2006.01) G01S 19/31 (2010.01) H04L 5/00 (2006.01) H04L 27/26 (2006.01)**

[25] EN  
[54] **SATELLITE NAVIGATION SIGNAL, GENERATING METHOD, GENERATING DEVICE, RECEIVING METHOD AND RECEIVING DEVICE**

[54] **SIGNAL DE NAVIGATION PAR SATELLITE ET PROCEDE DE GENERATION, DISPOSITIF DE GENERATION, PROCEDE DE RECEPTION ET DISPOSITIF DE RECEPTION CORRESPONDANTS**

[72] YAO, ZHENG, CN  
[72] LU, MINGQUAN, CN  
[73] TSINGHUA UNIVERSITY, CN  
[85] 2014-12-05  
[86] 2013-06-06 (PCT/CN2013/000675)  
[87] (WO2013/181932)  
[30] CN (201210186757.5) 2012-06-07

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[13] C

[51] **Int.Cl. D04H 1/42 (2012.01) D04H 1/4209 (2012.01) D04H 1/435 (2012.01) D04H 1/587 (2012.01)**

[25] EN  
[54] **FLEXIBLE INSULATING STRUCTURES AND METHODS OF MAKING AND USING SAME**

[54] **STRUCTURES ISOLANTES FLEXIBLES ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**

[72] DOSHI, DHAVAL A., US  
[72] NORWOOD, CATHERINE M., US  
[73] CABOT CORPORATION, US  
[85] 2014-12-12  
[86] 2013-06-24 (PCT/US2013/047291)  
[87] (WO2014/004366)  
[30] US (61/664,411) 2012-06-26

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[11] **\*2,877,269**  
[13] C

[51] **Int.Cl. G01V 5/00 (2006.01)**

[25] EN  
[54] **NONINTRUSIVE INSPECTION METHOD AND SYSTEM OF AIRCRAFTS**

[54] **PROCEDE ET SYSTEME D'INSPECTION NON INTRUSIVE D'AERONEFS**

[72] TUDOR, MIRCEA, RO  
[72] BIZGAN, ADRIAN, RO  
[72] SIMA, CONSTANTIN, RO  
[72] CHIRITA, IONEL, RO  
[72] IACOBITA, ANDREI, RO  
[72] MIEILICA, EMILIAN, RO  
[72] OSVAT, ADRIAN, RO  
[72] PRIOTEASA, CRISTIAN, RO  
[72] POPOVICI, OVIDIU, RO  
[72] DOBRESCU, ANDA, RO  
[72] MUNTEANU, DORU, RO  
[72] STUDINEANU, EMIL, RO  
[72] BIRSAN, NICUSOR, RO  
[73] MB TELECOM LTD., RO  
[85] 2014-12-18  
[86] 2012-12-06 (PCT/RO2012/000030)  
[87] (WO2014/081327)  
[30] RO (a2012 00443) 2012-06-18

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[13] C

[51] **Int.Cl. C10J 3/46 (2006.01) C10K 1/28 (2006.01)**

[25] EN  
[54] **TWO STAGE GASIFICATION WITH DUAL QUENCH**

[54] **GAZEIFICATION A DEUX ETAGES AVEC DOUBLE REFROIDISSEMENT**

[72] KEELER, CLIFTON G., US  
[72] WILLIAMS, CHANCELOR L., US  
[72] BUSTAMANTE, IVAN O., US  
[73] LUMMUS TECHNOLOGY INC., US  
[85] 2014-12-22  
[86] 2013-06-26 (PCT/US2013/047851)  
[87] (WO2014/004646)  
[30] US (61/664,415) 2012-06-26

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[13] C

[51] **Int.Cl. H04N 19/159 (2014.01) H04N 19/172 (2014.01) H04N 19/46 (2014.01) H04N 19/70 (2014.01) H04N 19/91 (2014.01)**

[25] EN  
[54] **DYNAMIC IMAGE PREDICTIVE ENCODING AND DECODING DEVICE, METHOD, AND PROGRAM**

[54] **DISPOSITIF DE DECODAGE ET DE CODAGE PREDICTIF D'IMAGE DYNAMIQUE, PROCEDE ET PROGRAMME ASSOCIES**

[72] BOON, CHOONG SENG, JP  
[72] TAKIUE, JUNYA, JP  
[72] FUJIBAYASHI, AKIRA, JP  
[72] TAN, THIOU KENG, JP  
[73] NTT DOCOMO, INC., JP  
[85] 2014-12-24  
[86] 2013-04-09 (PCT/JP2013/060730)  
[87] (WO2014/002568)  
[30] JP (2012-145832) 2012-06-28



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[13] C

[51] **Int.Cl. B66B 3/02 (2006.01) B66B 1/40 (2006.01)**  
[25] EN  
[54] **ABSOLUTE POSITION DOOR ZONE DEVICE**  
[54] **DISPOSITIF DE ZONE DE PORTE A POSITION ABSOLUE**  
[72] HUFF, RANDOLPH, US  
[72] DELISO, ANDREW, US  
[73] THYSSENKRUPP ELEVATOR CORPORATION, US  
[86] (2878566)  
[87] (2878566)  
[22] 2015-01-16  
[30] US (14/174021) 2014-02-06

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[11] **2,878,608**  
[13] C

[51] **Int.Cl. E21B 43/36 (2006.01) E21B 43/34 (2006.01)**  
[25] EN  
[54] **MULTIPHASE SEPARATION SYSTEM**  
[54] **SYSTEME DE SEPARATION DE PHASES MULTIPLES**  
[72] GRAVE, EDWARD J., US  
[72] BYMASTER, ADAM S., US  
[72] FOWLER, TRACY A., US  
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US  
[85] 2015-01-07  
[86] 2013-05-01 (PCT/US2013/039080)  
[87] (WO2014/058480)  
[30] US (61/711,132) 2012-10-08

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[11] **2,878,807**  
[13] C

[51] **Int.Cl. H04N 19/34 (2014.01) H04N 19/159 (2014.01) H04N 19/36 (2014.01)**  
[25] EN  
[54] **CODEC ARCHITECTURE FOR MULTIPLE LAYER VIDEO CODING**  
[54] **ARCHITECTURE DE CODEC POUR CODAGE VIDEO A COUCHES MULTIPLES**  
[72] YE, YAN, US  
[72] MCCLELLAN, GEORGE W., US  
[72] HE, YONG, US  
[72] XIU, XIAOYU, CA  
[72] HE, YUWEN, US  
[72] DONG, JIE, US  
[72] BAL, CAN, US  
[72] RYU, EUN, US  
[73] VID SCALE, INC., US  
[85] 2015-01-09  
[86] 2013-07-09 (PCT/US2013/049662)  
[87] (WO2014/011595)  
[30] US (61/669,356) 2012-07-09  
[30] US (61/734,264) 2012-12-06

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[11] **2,879,540**  
[13] C

[51] **Int.Cl. C22C 38/06 (2006.01) C21D 8/02 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01)**  
[25] EN  
[54] **COLD-ROLLED STEEL SHEET AND METHOD FOR MANUFACTURING SAME, AND HOT-STAMP FORMED BODY**  
[54] **FEUILLE D'ACIER LAMINEE A FROID, SON PROCEDE DE FABRICATION ET ARTICLE MOULE PAR ESTAMPAGE A CHAUD**  
[72] NONAKA, TOSHIKI, JP  
[72] KATO, SATOSHI, JP  
[72] KAWASAKI, KAORU, JP  
[72] TOMOKIYO, TOSHIMASA, JP  
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP  
[85] 2015-01-19  
[86] 2013-08-05 (PCT/JP2013/071126)  
[87] (WO2014/024831)  
[30] JP (2012-174215) 2012-08-06  
[30] JP (2012-174216) 2012-08-06

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[11] **2,879,800**  
[13] C

[51] **Int.Cl. A61B 17/3207 (2006.01)**  
[25] EN  
[54] **DEVICES AND SYSTEMS FOR THROMBUS TREATMENT**  
[54] **DISPOSITIFS ET SYSTEMES POUR LE TRAITEMENT DE THROMBUS**  
[72] CULLY, EDWARD H., US  
[72] FRIEDMAN, NATHAN L., US  
[72] ZACHARIAS, ERIC H., US  
[73] W.L. GORE & ASSOCIATES, INC., US  
[85] 2015-01-21  
[86] 2013-08-05 (PCT/US2013/053655)  
[87] (WO2014/028260)  
[30] US (61/683,043) 2012-08-14  
[30] US (13/802,428) 2013-03-13  
[30] US (13/802,437) 2013-03-13

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[11] **2,879,841**  
[13] C

[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/1486 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR DETECTING USED AND DRIED SENSORS**  
[54] **SYSTEME ET PROCEDE POUR LA DETECTION DE DETECTEURS UTILISES ET SECS**  
[72] HARRISON, BERN, US  
[73] ASCENSIA DIABETES CARE HOLDINGS AG, CH  
[85] 2015-01-22  
[86] 2012-08-31 (PCT/US2012/053390)  
[87] (WO2014/018069)  
[30] US (61/676,549) 2012-07-27

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[11] **2,880,153**  
[13] C

[51] **Int.Cl. H01M 8/0202 (2016.01) H01M 8/248 (2016.01)**  
[25] EN  
[54] **FUEL CELL AND FUEL CELL STACK WITH MAINTAINED ELECTRICAL CONNECTION**  
[54] **PILE A COMBUSTIBLE ET EMPILEMENT DE PILES A COMBUSTIBLE A CONNEXION ELECTRIQUE MAINTENUE**  
[72] Hotta, Nobuyuki, JP  
[72] Tanimura, Ryoji, JP  
[72] Mizuno, Atsushi, JP  
[72] Morikawa, Tetsuya, JP  
[73] NGK SPARK PLUG CO., LTD., JP  
[85] 2015-01-27  
[86] 2013-07-25 (PCT/JP2013/004529)  
[87] (WO2014/017096)  
[30] JP (2012-166611) 2012-07-27

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[11] **2,880,304**  
[13] C

[51] **Int.Cl. G06F 3/0481 (2013.01)**  
[25] EN  
[54] **METHODS AND DEVICES FOR TERMINAL CONTROL**  
[54] **PROCEDES ET DISPOSITIFS DE COMMANDE D'UN TERMINAL**  
[72] Li, Lieqiang, CN  
[73] TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED, CN  
[85] 2015-01-28  
[86] 2013-06-24 (PCT/CN2013/077791)  
[87] (WO2014/032461)  
[30] CN (201210311632.0) 2012-08-29

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[11] **2,880,946**  
[13] C

[51] **Int.Cl. C22C 38/06 (2006.01) B21D 22/20 (2006.01) C21D 8/02 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C23C 2/06 (2006.01) C23C 2/28 (2006.01)**  
[25] EN  
[54] **STEEL SHEET FOR HOT STAMPING, METHOD OF MANUFACTURING THE SAME, AND HOT STAMPED STEEL SHEET MEMBER**  
[54] **TOLE D'ACIER POUR FORMAGE A CHAUD A LA PRESSE, SON PROCEDE DE PRODUCTION, ET ELEMENT DE TOLE D'ACIER POUR FORMAGE A CHAUD A LA PRESSE**  
[72] Tamaki, Akari, JP  
[72] Hikida, Kazuo, JP  
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP  
[85] 2015-02-02  
[86] 2013-08-15 (PCT/JP2013/071971)  
[87] (WO2014/027682)  
[30] JP (2012-180186) 2012-08-15

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[11] **2,881,183**  
[13] C

[51] **Int.Cl. C22C 21/10 (2006.01) C22F 1/053 (2006.01)**  
[25] EN  
[54] **HIGH STRENGTH AL-ZN ALLOY AND METHOD FOR PRODUCING SUCH AN ALLOY PRODUCT**  
[54] **PRODUIT D'ALLIAGE AL-ZN A HAUTE RESISTANCE ET PROCEDE DE PRODUCTION DE CE PRODUIT D'ALLIAGE AL-ZN**  
[72] Benedictus, Rinze, NL  
[72] Keidel, Christian Joachim, DE  
[72] Heinz, Alfred Ludwig, DE  
[73] CORUS ALUMINIUM WALZPRODUKTE GMBH, DE  
[86] (2881183)  
[87] (2881183)  
[22] 2004-04-09  
[62] 2,519,387  
[30] EP (03076049.0) 2003-04-10

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[11] **2,881,717**  
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[51] **Int.Cl. C07K 16/12 (2006.01) A61K 39/40 (2006.01) A61P 31/04 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**  
[25] EN  
[54] **HUMAN BINDING MOLECULES HAVING KILLING ACTIVITY AGAINST STAPHYLOCOCCI AND USES THEREOF**  
[54] **MOLECULES DE LIAISON HUMAINES PRESENTANT UNE ACTIVITE BACTERICIDE CONTRE LES STAPHYLOCOQUES ET LEURS UTILISATIONS**  
[72] Geuijen, Cecilia Anna Wilhelmina, NL  
[72] Throsby, Mark, NL  
[72] De Kruijff, Cornelis Adriaan, NL  
[73] JANSSEN VACCINES & PREVENTION B.V., NL  
[86] (2881717)  
[87] (2881717)  
[22] 2007-06-05  
[62] 2,654,712  
[30] US (60/811,477) 2006-06-06  
[30] EP (06124231.9) 2006-11-16  
[30] EP (07103584.4) 2007-03-06

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[11] **2,882,773**  
[13] C

[51] **Int.Cl. A24F 47/00 (2006.01)**  
[25] EN  
[54] **ELECTRONIC CIGARETTE AND ELECTRONIC CIGARETTE DEVICE**  
[54] **CIGARETTE ELECTRONIQUE ET DISPOSITIF A CIGARETTE ELECTRONIQUE**  
[72] Liu, Qiuming, CN  
[73] KIMREE HI-TECH INC., VG  
[85] 2015-02-23  
[86] 2012-08-31 (PCT/CN2012/080843)  
[87] (WO2014/032275)

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[11] **2,883,942**  
[13] C

[51] **Int.Cl. F16K 51/00 (2006.01) F16K 37/00 (2006.01)**  
[25] EN  
[54] **VIRTUAL LIMIT SWITCH**  
[54] **COMMUTATEUR A LIMITE VIRTUELLE**  
[72] MINERVINI, LEO, US  
[73] PENTAIR FLOW CONTROL AG, CH  
[85] 2015-03-03  
[86] 2013-09-06 (PCT/US2013/058553)  
[87] (WO2014/039852)  
[30] US (13/606,499) 2012-09-07

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[11] **2,884,239**  
[13] C

[51] **Int.Cl. G03B 21/14 (2006.01) F21V 9/30 (2018.01) F21V 9/38 (2018.01) F21V 9/08 (2018.01) G02B 17/00 (2006.01) G02B 26/00 (2006.01) F21K 9/00 (2016.01) H04N 5/74 (2006.01)**  
[25] EN  
[54] **ILLUMINATION DEVICE, PROJECTOR, AND ILLUMINATION METHOD**  
[54] **DISPOSITIF D'ECLAIRAGE, PROJECTEUR ET PROCEDE D'ECLAIRAGE**  
[72] FUJITA, KAZUHIRO, JP  
[72] TAKAHASHI, TATSUYA, JP  
[72] MURAI, TOSHIHARU, JP  
[72] MAEDA, IKUO, JP  
[72] NISHIMORI, TAKEHIRO, JP  
[73] RICOH COMPANY, LTD., JP  
[85] 2015-03-05  
[86] 2013-09-12 (PCT/JP2013/075385)  
[87] (WO2014/046219)  
[30] JP (2012-204918) 2012-09-18  
[30] JP (2013-093578) 2013-04-26

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[11] **2,884,322**  
[13] C

[51] **Int.Cl. H04L 12/58 (2006.01)**  
[25] EN  
[54] **MAIL PROCESSING METHOD AND SYSTEM**  
[54] **PROCEDE ET SYSTEME DE TRAITEMENT DE COURRIER**  
[72] MA, HUATENG, CN  
[72] ZHANG, XIAOLONG, CN  
[72] HUANG, TIEMING, CN  
[72] DU, JIAHUI, CN  
[72] YANG, JIE, CN  
[72] HUANG, ZIQUN, CN  
[72] ZHOU, WENJIE, CN  
[73] TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED, CN  
[85] 2015-03-09  
[86] 2013-09-05 (PCT/CN2013/082974)  
[87] (WO2014/036949)  
[30] CN (201210332204.6) 2012-09-10

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[11] **2,885,207**  
[13] C

[51] **Int.Cl. E04B 2/86 (2006.01) E04B 1/12 (2006.01)**  
[25] EN  
[54] **MODULAR, MULTIPERFORATED PERMANENT FORMWORK OR CENTERING CONSTRUCTION SYSTEM FOR REINFORCED CONCRETE**  
[54] **SYSTEME DE CONSTRUCTION MODULAIRE DE COFFRAGE PERMANENT A PERFORATIONS MULTIPLES POUR BETON OU BETON ARME**  
[72] ALCALA ORDAZ, RICARDO, MX  
[73] ELEVEN SOLUTIONS RFE S.A. DE C.V., MX  
[85] 2015-03-16  
[86] 2012-09-17 (PCT/MX2012/000087)  
[87] (WO2014/042502)

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[11] **2,886,197**  
[13] C

[51] **Int.Cl. B01D 53/14 (2006.01) B01D 53/18 (2006.01) B01D 53/78 (2006.01)**  
[25] EN  
[54] **METHOD AND DEVICE FOR STRIPPING A GAS FROM A GAS MIXTURE USING A VENTURI EJECTOR**  
[54] **PROCEDE ET DISPOSITIF D'EXTRACTION D'UN GAZ A PARTIR D'UN MELANGE DE GAZ A L'AIDE D'UN EJECTEUR VENTURI**  
[72] HEIRMAN, PETER JOZEF, BE  
[72] AALDERINK, GEURT, BE  
[73] ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, BE  
[85] 2015-03-25  
[86] 2013-10-01 (PCT/BE2013/000051)  
[87] (WO2014/053030)  
[30] BE (2012/0660) 2012-10-05

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[11] **2,886,388**  
[13] C

[51] **Int.Cl. H04M 3/51 (2006.01) H04M 3/42 (2006.01) H04M 3/527 (2006.01) H04L 9/00 (2006.01)**  
[25] EN  
[54] **COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR PROTECTING SENSITIVE INFORMATION WITHIN A CALL CENTER IN REAL TIME**  
[54] **SYSTEME INFORMATIQUE ET METHODE DE PROTECTION EN TEMPS REEL D'INFORMATION SENSIBLE D'UN CENTRE D'APPELS**  
[72] MILSTEIN, DAVID, US  
[72] ODINAK, GILAD, US  
[72] LEE, HOWARD M., US  
[73] INTELLISIST, INC., US  
[86] (2886388)  
[87] (2886388)  
[22] 2015-03-25  
[30] US (61/970,275) 2014-03-25  
[30] US (14/667,603) 2015-03-24

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[13] C

[51] **Int.Cl. C08L 75/04 (2006.01) C01F 7/02 (2006.01) C08K 3/22 (2006.01)**  
[25] EN  
[54] **THERMALLY CONDUCTIVE POLYMER AND RESIN COMPOSITIONS FOR PRODUCING SAME**  
[54] **POLYMERES THERMOCONDUCTEUR ET COMPOSITIONS DE RESINE POUR LE PRODUIRE**  
[72] FRANK, JOCHEN, DE  
[73] DR. NEIDLINGER HOLDING GMBH, DE  
[85] 2015-03-31  
[86] 2013-05-03 (PCT/EP2013/059220)  
[87] (WO2014/053252)  
[30] DE (10 2012 109 500.0) 2012-10-05

[11] **2,886,843**  
[13] C

[51] **Int.Cl. D21C 5/00 (2006.01) D21C 5/02 (2006.01) D21H 11/14 (2006.01) D21H 17/00 (2006.01)**  
[25] EN  
[54] **FIXATION OF MINERAL OIL IN PAPER FOOD PACKAGING WITH LACCASE TO PREVENT MINERAL OIL MIGRATION INTO FOOD**  
[54] **FIXATION D'HUILE MINERALE DANS UN EMBALLAGE ALIMENTAIRE EN PAPIER COMPRENANT UNE LACCASE POUR EMPECHER LA MIGRATION D'HUILE MINERALE VERS L'ALIMENT**  
[72] NOLSEN, ANDRE, US  
[72] MILLER, ROBERT, US  
[73] BUCKMAN LABORATORIES INTERNATIONAL, INC., US  
[85] 2015-04-01  
[86] 2013-09-18 (PCT/US2013/060365)  
[87] (WO2014/058581)  
[30] US (61/712,039) 2012-10-10

[11] **2,888,414**  
[13] C

[51] **Int.Cl. F16G 11/10 (2006.01)**  
[25] EN  
[54] **CLAMPING ASSEMBLY**  
[54] **ENSEMBLE SERRAGE**  
[72] SOMERFIELD, ALAN, GB  
[73] GRIPPLE LIMITED, GB  
[85] 2015-04-14  
[86] 2013-10-18 (PCT/GB2013/000441)  
[87] (WO2014/064403)  
[30] GB (1219119.3) 2012-10-24  
[30] GB (1318287.8) 2013-10-16

[11] **2,889,058**  
[13] C

[51] **Int.Cl. B29B 11/16 (2006.01) B64C 11/00 (2006.01) B64D 33/02 (2006.01) F01D 25/24 (2006.01)**  
[25] EN  
[54] **CIRCUMFERENTIAL STIFFENERSR8 FOR COMPOSITE FANCASES**  
[54] **RAIDISSEURS8 PERIPHERIQUES POUR ENCEINTES DE VENTILATEUR COMPOSITES**  
[72] GOERING, JONATHAN, US  
[73] ALBANY ENGINEERED COMPOSITES, INC., US  
[85] 2015-04-20  
[86] 2013-10-21 (PCT/US2013/065874)  
[87] (WO2014/066229)  
[30] US (13/658,578) 2012-10-23

[11] **2,889,072**  
[13] C

[51] **Int.Cl. A61F 13/496 (2006.01) A61F 13/15 (2006.01)**  
[25] EN  
[54] **APPARATUSES AND METHODS FOR BONDING SUBSTRATES**  
[54] **APPAREILS ET PROCEDES DE LIAISON DE SUBSTRATS**  
[72] ORDWAY, DAVID CARLTON, US  
[72] FRANKE, JILLIAN MARIE, US  
[72] HUANG, GENE XIAOQING, US  
[72] SCHNEIDER, UWE, US  
[72] LONG, MICHAEL DEVIN, US  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 2015-04-21  
[86] 2013-10-21 (PCT/US2013/065867)  
[87] (WO2014/066224)  
[30] US (61/717,268) 2012-10-23  
[30] US (14/038,812) 2013-09-27

[11] **2,889,344**  
[13] C

[51] **Int.Cl. C09K 3/10 (2006.01) C08L 81/02 (2006.01) C09D 5/34 (2006.01) C08G 75/045 (2016.01)**  
[25] EN  
[54] **USES OF UV-CURABLE POLYTHIOETHER SEALANTS FOR SEALING FASTENERS AND FOR SMOOTHING SURFACES**  
[54] **UTILISATIONS DE MASTICS A BASE DE POLYTHIOETHERS POLYMERISABLES AUX UV POUR ETANCHER DES FIXATIONS ET POUR LISSER DES SURFACES**  
[72] VIRNELSON, BRUCE, US  
[73] PRC-DESOTO INTERNATIONAL, INC., US  
[85] 2015-04-23  
[86] 2013-10-09 (PCT/US2013/063982)  
[87] (WO2014/066039)  
[30] US (13/659,074) 2012-10-24

[11] **2,889,521**  
[13] C

[51] **Int.Cl. B64D 47/00 (2006.01) A62B 31/00 (2006.01) B64C 1/14 (2006.01) B64D 11/00 (2006.01) B64D 25/00 (2006.01) G02B 27/04 (2006.01) H04N 7/18 (2006.01)**  
[25] EN  
[54] **EMERGENCY VISION APPARATUS**  
[54] **APPAREIL DE VISION DE SECOURS**  
[72] WERJEFELT, BERTIL R. L., US  
[73] WERJEFELT, BERTIL R. L., US  
[86] (2889521)  
[87] (2889521)  
[22] 2009-05-06  
[62] 2,761,178  
[30] US (12/149,623) 2008-05-06

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[13] C

[51] **Int.Cl. E21B 4/00 (2006.01) F16C 19/00 (2006.01) F16C 21/00 (2006.01)**

[25] EN

[54] **HYBRID BEARINGS FOR DOWNHOLE MOTORS**

[54] **PALIERES HYBRIDES POUR MOTEURS DE FOND**

[72] CHUSTZ, MARK, US

[73] SCIENTIFIC DRILLING INTERNATIONAL, INC., US

[85] 2015-04-24

[86] 2013-10-24 (PCT/US2013/066569)

[87] (WO2014/066609)

[30] US (13/660,608) 2012-10-25

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[11] **2,889,743**  
[13] C

[51] **Int.Cl. H01R 39/08 (2006.01) F03D 80/80 (2016.01)**

[25] EN

[54] **SLIP RING ASSEMBLY, SLIP RING SHAFT OF A SLIP RING ASSEMBLY, INSULATING BODY OF A SLIP RING ASSEMBLY AND SLIP RING OF A SLIP RING ASSEMBLY**

[54] **CORPS DE BAGUE COLLECTRICE, AXE DE BAGUE COLLECTRICE D'UN CORPS DE BAGUE COLLECTRICE, ELEMENT ISOLANT D'UN CORPS DE BAGUE COLLECTRICE ET BAGUE COLLECTRICE D'UN CORPS DE BAGUE COLLECTRICE**

[72] GERDES, FRANK, DE

[72] JANSSEN, AIKE, DE

[72] HALLER, MATTHIAS, DE

[73] WOBLEN PROPERTIES GMBH, DE

[85] 2015-04-24

[86] 2013-11-06 (PCT/EP2013/073190)

[87] (WO2014/072355)

[30] DE (10 2012 220 293.5) 2012-11-07

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[11] **2,890,315**  
[13] C

[51] **Int.Cl. G06F 3/048 (2013.01) A63F 13/00 (2014.01) G06F 3/023 (2006.01)**

[25] EN

[54] **INFORMATION PROCESSING APPARATUS AND INPUTTING APPARATUS**

[54] **DISPOSITIF DE TRAITEMENT D'INFORMATIONS ET DISPOSITIF D'ENTREE**

[72] TAKAICHI, TOMOKI, JP

[72] MATSUNAGA, KIYOBUMI, JP

[72] AOKI, TOSHIMASA, JP

[72] MATSUZAWA, TAKESHI, JP

[72] FUJII, TAKAHIRO, JP

[73] SONY INTERACTIVE ENTERTAINMENT INC., JP

[85] 2015-05-01

[86] 2013-07-17 (PCT/JP2013/004372)

[87] (WO2014/068816)

[30] JP (2012-243801) 2012-11-05

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[11] **2,890,578**  
[13] C

[51] **Int.Cl. C08F 297/06 (2006.01) C08J 5/18 (2006.01) C08J 9/00 (2006.01)**

[25] EN

[54] **SELF-ASSEMBLING POLYMERS - V**

[54] **POLYMERES AUTOASSEMBLANT - V**

[72] AAMER, KHALED ABDEL-HAKIM HELMY, US

[73] PALL CORPORATION, US

[86] (2890578)

[87] (2890578)

[22] 2015-05-08

[30] US (14/292,739) 2014-05-30

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[11] **2,892,401**  
[13] C

[51] **Int.Cl. C12Q 1/68 (2018.01) G06F 19/10 (2011.01) G06F 19/20 (2011.01) C12Q 1/6809 (2018.01) C12Q 1/02 (2006.01) C40B 30/04 (2006.01) G01N 33/48 (2006.01) G01N 33/53 (2006.01) G01N 33/577 (2006.01)**

[25] EN

[54] **METHOD OF PREDICTING ANIMAL LITTER SIZE USING PROTEIN BIOMARKERS RELATED WITH FERTILITY, AND METHOD OF PREDICTING ANIMAL SPERM QUALITY AND LITTER SIZE USING CHLORTETRACYCLINE STAINING**

[54] **METHODE DE PREDICTION DE LA TAILLE DE LA PORTEE D'UN ANIMAL AU MOYEN DE BIOMARQUEURS DE PROTEINE ASSOCIES A LA FERTILITE, ET METHODE DE PREDICTION DE LA QUALITE DU SPERME ANIMAL ET DE LA TAILLE DE LA PORTEE D'UN ANIMAL AU MOYEN DE COLORATION A LA CHLORTETRACYCLINE**

[72] PANG, MYUNG-GEOL, KR

[72] KWON, WOO-SUNG, KR

[73] CHUNG ANG UNIVERSITY INDUSTRY ACADEMIC COOPERATION FOUNDATION, KR

[86] (2892401)

[87] (2892401)

[22] 2015-05-19

[30] KR (10-2014-0169854) 2014-12-01

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[13] C

[51] **Int.Cl. E21B 33/14 (2006.01) E21B 33/13 (2006.01)**  
[25] EN  
[54] **A METHOD FOR ESTABLISHMENT OF AN ANNULUS BARRIER IN A SUBTERRANEAN WELL**  
[54] **PROCEDE POUR ETABLIR UNE BARRIERE ANNULAIRE DANS UN Puits SOUTERRAIN**  
[72] ANDERSEN, PATRICK, NO  
[72] DAHL, ARNT OLAV, NO  
[72] LARSEN, ARNE GUNNAR, NO  
[72] JENSEN, ROY INGE, NO  
[72] MYHRE, MORTEN, NO  
[73] HYDRA SYSTEMS AS, NO  
[85] 2015-05-28  
[86] 2013-01-21 (PCT/NO2013/050015)  
[87] (WO2013/115652)  
[30] NO (20120116) 2012-02-03

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[11] **2,893,596**  
[13] C

[51] **Int.Cl. A61M 1/00 (2006.01)**  
[25] EN  
[54] **SUCTION CANISTER HAVING A REPLACEABLE FILTER CARTRIDGE**  
[54] **BOITE D'ASPIRATION COMPRENANT UNE CARTOUCHE DE FILTRE REMPLACABLE**  
[72] NEATROUR, JOEL DAVID, US  
[72] SMITH, MATT, US  
[73] DEVILBISS HEALTHCARE, LLC, US  
[85] 2015-06-02  
[86] 2013-12-03 (PCT/US2013/072844)  
[87] (WO2014/089056)  
[30] US (13/692,041) 2012-12-03

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[11] **2,893,820**  
[13] C

[51] **Int.Cl. B44C 5/04 (2006.01) E04F 15/00 (2006.01)**  
[25] EN  
[54] **METHOD FOR PRODUCING A WOOD-BASED BOARD PROVIDED WITH A DECORATIVE LAYER**  
[54] **METHODE DE PRODUCTION D'UNE PLANCHE A BASE DE BOIS COMPORTANT UNE COUCHE DECORATIVE**  
[72] KALWA, NORBERT, DE  
[73] FLOORING TECHNOLOGIES LTD., MT  
[85] 2015-06-04  
[86] 2013-12-12 (PCT/EP2013/076366)  
[87] (WO2014/090939)  
[30] EP (12196717.8) 2012-12-12

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[11] **2,894,294**  
[13] C

[51] **Int.Cl. B32B 27/36 (2006.01) B32B 33/00 (2006.01) B65D 81/34 (2006.01) H05B 6/64 (2006.01)**  
[25] EN  
[54] **LOW CRYSTALLINITY SUSCEPTOR FILMS**  
[54] **FILMS DE SUSCEPTEUR A FAIBLE CRISTALLINITE**  
[72] MIDDLETON, SCOTT W., US  
[72] BOHRER, TIMOTHY H., US  
[72] SLOAT, JEFFREY T., US  
[72] GILPATRICK, WILLIAM, US  
[72] SINCLAIR, MARK, US  
[73] GRAPHIC PACKAGING INTERNATIONAL, LLC, US  
[86] (2894294)  
[87] (2894294)  
[22] 2010-07-29  
[62] 2,767,731  
[30] US (61/273,090) 2009-07-30  
[30] US (61/236,925) 2009-08-26  
[30] US (12/709,628) 2010-02-22

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[11] **2,895,043**  
[13] C

[51] **Int.Cl. H04W 72/02 (2009.01) H04W 72/12 (2009.01) H04W 72/08 (2009.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR MITIGATING TRANSMISSION INTERFERENCE BETWEEN NARROWBAND AND BROADBAND MOBILE DEVICES**  
[54] **PROCEDE ET APPAREIL DESTINES A ATTENUER LE BROUILLAGE D'EMISSION ENTRE DES DISPOSITIFS MOBILES A BANDE ETROITE ET A LARGE BANDE**  
[72] GROSSPIETSCH, JOHN K., US  
[72] BAKER, MICHAEL H., US  
[72] MAKHLOUF, ISAM R., US  
[72] SHAHAF, MARK, US  
[73] MOTOROLA SOLUTIONS, INC., US  
[85] 2015-06-12  
[86] 2013-11-26 (PCT/US2013/071833)  
[87] (WO2014/099297)  
[30] US (13/723,942) 2012-12-21

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[11] **2,895,135**  
[13] C

[51] **Int.Cl. B01L 3/00 (2006.01) G01N 35/00 (2006.01) G09F 3/00 (2006.01) G09F 3/02 (2006.01)**  
[25] EN  
[54] **DUAL BARCODE LABELING FACILITATING AUTOMATED DECAPPING**  
[54] **ETIQUETAGE A CODES A BARRES DOUBLES FACILITANT L'AUTOMATISATION DU DECAPSULAGE**  
[72] GELFAND, CRAIG A., US  
[73] BECTON, DICKINSON AND COMPANY, US  
[85] 2015-06-12  
[86] 2014-01-21 (PCT/US2014/012291)  
[87] (WO2014/116574)  
[30] US (61/755,118) 2013-01-22

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12 juin 2018**

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[11] **2,897,161**  
[13] C

[51] **Int.Cl. E21B 7/08 (2006.01) E21B 29/06 (2006.01)**  
[25] EN  
[54] **WINDOW MILLING SYSTEMS**  
[54] **SYSTEMES DE FRAISAGE DE FENETRE**  
[72] DONOVAN, STACEY B., US  
[72] DANCER, WILLIAM W., US  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2015-07-03  
[86] 2013-03-05 (PCT/US2013/029039)  
[87] (WO2014/137315)

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[11] **2,897,564**  
[13] C

[51] **Int.Cl. B61L 1/16 (2006.01) B61L 25/02 (2006.01) G06K 7/10 (2006.01) H04B 1/59 (2006.01)**  
[25] EN  
[54] **GUIDEWAY-GUIDED VEHICLE DETECTION BASED ON RFID SYSTEM**  
[54] **DETECTION DE VEHICULE GUIDE PAR RAIL DE GUIDAGE BASEE SUR UN SYSTEME RFID**  
[72] KANNER, ABE, CA  
[72] MCKILLICAN, BOYD, CA  
[72] FRASER, CAMERON, CA  
[73] THALES CANADA INC., CA  
[85] 2015-07-08  
[86] 2014-01-24 (PCT/IB2014/058529)  
[87] (WO2014/118681)  
[30] US (13/754,363) 2013-01-30

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[11] **2,897,937**  
[13] C

[51] **Int.Cl. A61K 33/44 (2006.01) A61P 1/16 (2006.01) A61P 13/12 (2006.01) A61P 39/02 (2006.01)**  
[25] EN  
[54] **ORALLY ADMINISTERED ADSORBENT, THERAPEUTIC AGENT FOR RENAL DISEASE, AND THERAPEUTIC AGENT FOR LIVER DISEASE**  
[54] **ADSORBANT POUR ADMINISTRATION PAR VOIE ORALE, MEDICAMENT POUR MALADIE RENALE, ET MEDICAMENT POUR MALADIE DU FOIE**  
[72] WAKAHOI, TAKASHI, JP  
[72] AKITA, TAKAHIRO, JP  
[72] SONOBE, NAOHIRO, JP  
[72] KUWAHARA, MIEKO, JP  
[73] KUREHA CORPORATION, JP  
[85] 2015-07-10  
[86] 2014-02-24 (PCT/JP2014/054264)  
[87] (WO2014/129617)  
[30] JP (2013-033618) 2013-02-22

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[11] **2,898,224**  
[13] C

[51] **Int.Cl. B29C 70/14 (2006.01) B29C 70/38 (2006.01)**  
[25] EN  
[54] **FORMING COMPOSITE FEATURES USING STEERED DISCONTINUOUS FIBER PRE-PREG**  
[54] **FORMATION D'ELEMENTS COMPOSITES A L'AIDE D'UN PRE-IMPREGNE A FIBRES DISCONTINUES ORIENTEES**  
[72] GRIESS, KENNETH H., US  
[72] VETTER, DEREK P., US  
[72] GRAVES, MICHAEL J., US  
[73] THE BOEING COMPANY, US  
[85] 2015-07-14  
[86] 2014-02-14 (PCT/US2014/016533)  
[87] (WO2014/137568)  
[30] US (13/789,965) 2013-03-08

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[11] **2,898,277**  
[13] C

[51] **Int.Cl. F03D 7/00 (2006.01) F03D 9/30 (2016.01) F03D 9/00 (2016.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR CONVERTING WIND FROM AN AIRCRAFT INTO ELECTRICAL POWER**  
[54] **SYSTEMES ET PROCEDES PERMETTANT DE CONVERTIR DU VENT ISSU D'UN AERONEF EN ENERGIE ELECTRIQUE**  
[72] HOFFSTADT, BRETT MUKHERJEE, US  
[73] THE BOEING COMPANY, US  
[85] 2015-07-14  
[86] 2014-01-22 (PCT/US2014/012501)  
[87] (WO2014/137498)  
[30] US (13/784,373) 2013-03-04

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[11] **2,898,543**  
[13] C

[51] **Int.Cl. G08B 29/22 (2006.01) B64D 45/00 (2006.01) G08B 17/10 (2006.01)**  
[25] EN  
[54] **METHOD AND SYSTEM TO ENABLE SELECTIVE SMOKE DETECTION SENSITIVITY**  
[54] **METHODE ET SYSTEME D'ACTIVATION DE SENSIBILITE DE DETECTION DE FUMEE**  
[72] MEIER, OLIVER C., US  
[73] THE BOEING COMPANY, US  
[86] (2898543)  
[87] (2898543)  
[22] 2015-07-27  
[30] US (14/512,447) 2014-10-12

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[11] **2,898,564**  
[13] C

[51] **Int.Cl. H04W 36/00 (2009.01) H04W 36/04 (2009.01) H04W 36/30 (2009.01)**  
[25] EN  
[54] **ADAPTING A MOBILE NETWORK**  
[54] **ADAPTATION D'UN RESEAU MOBILE**  
[72] DUDDA, TORSTEN, DE  
[72] WAGER, STEFAN, FI  
[72] BERGSTROM, MATTIAS, SE  
[72] MULLER, WALTER, SE  
[72] XUAN, ZHIYI, SE  
[73] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL), SE  
[85] 2015-07-17  
[86] 2014-01-17 (PCT/EP2014/050868)  
[87] (WO2014/111499)  
[30] US (61/754,322) 2013-01-18

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[11] **2,901,063**  
[13] C

[51] **Int.Cl. H04W 28/02 (2009.01) H04W 24/04 (2009.01) H04W 48/06 (2009.01)**  
[25] EN  
[54] **METHOD, APPARATUS AND SYSTEM FOR PERFORMING PRIORITIZED BARRING OF SERVICE ACCESS**  
[54] **PROCEDE, APPAREIL ET SYSTEME POUR EFFECTUER UNE INTERDICTION PRIORISEE DE L'ACCES A UN SERVICE**  
[72] HEEN, KJELL-HARALD, NO  
[73] UNIFIED MESSAGING SYSTEMS AS, NO  
[85] 2015-08-12  
[86] 2013-02-27 (PCT/EP2013/053905)  
[87] (WO2014/131439)

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[11] **2,901,236**  
[13] C

[51] **Int.Cl. C08L 75/04 (2006.01) B27M 1/00 (2006.01) C08J 3/12 (2006.01) C08J 3/20 (2006.01) C08L 1/02 (2006.01) C08L 97/02 (2006.01)**  
[25] EN  
[54] **CELLULOSE NANOCRYSTALS - THERMOSET RESIN SYSTEMS, APPLICATIONS THEREOF AND ARTICLES MADE THEREFROM**  
[54] **SYSTEMES DE RESINE THERMOMOULEES - NANOCRISTAUX DE CELLULOSE, APPLICATIONS ET ARTICLES REALISES DANS CES SYSTEMES**  
[72] ZHANG, YAOLIN, CA  
[72] KOUISNI, LAMFEDDAL, CA  
[72] WANG, XIANG-MING, CA  
[72] PALEOLOGOU, MICHAEL, CA  
[72] FENG, MARTIN, CA  
[72] BRUNETTE, GILLES, CA  
[72] HE, GUANGBO, CA  
[72] WAN, HUI, US  
[72] ALEMDAR-THOMSON, AYSE, CA  
[73] FPINNOVATIONS, CA  
[85] 2015-08-13  
[86] 2014-02-14 (PCT/CA2014/050105)  
[87] (WO2014/124541)  
[30] US (61/765,454) 2013-02-15

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[11] **2,901,364**  
[13] C

[51] **Int.Cl. F03D 7/04 (2006.01) F03D 17/00 (2016.01) F03D 7/02 (2006.01)**  
[25] EN  
[54] **WIND TURBINE AIR DEFLECTOR SYSTEM CONTROL**  
[54] **COMMANDE DE DISPOSITIF DEFLECTEUR D'AIR POUR EOLIENNE**  
[72] BUTTERWORTH, JEFFREY A., US  
[72] WEHRHAN, TOBIAS G., US  
[73] GE INFRASTRUCTURE TECHNOLOGY, LLC, US  
[86] (2901364)  
[87] (2901364)  
[22] 2015-08-25  
[30] US (14/484,878) 2014-09-12

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[11] **2,901,366**  
[13] C

[51] **Int.Cl. F03D 7/04 (2006.01) F03D 17/00 (2016.01) F03D 7/02 (2006.01)**  
[25] EN  
[54] **WIND TURBINE AIR DEFLECTOR SYSTEM CONTROL**  
[54] **COMMANDE DE DISPOSITIF DEFLECTEUR D'AIR POUR EOLIENNE**  
[72] BUTTERWORTH, JEFFREY A., US  
[72] WEHRHAN, TOBIAS G., US  
[73] GE INFRASTRUCTURE TECHNOLOGY, LLC, US  
[86] (2901366)  
[87] (2901366)  
[22] 2015-08-25  
[30] US (14/484,873) 2014-09-12

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[11] **2,901,846**  
[13] C

[51] **Int.Cl. B01D 46/02 (2006.01)**  
[25] EN  
[54] **FILTER INSERT**  
[54] **INSERTION DE FILTRE**  
[72] WALL, GUENTHER, AT  
[72] TRENKWALDER, THOMAS, AT  
[73] GE JENBACHER GMBH & CO OG, AT  
[86] (2901846)  
[87] (2901846)  
[22] 2015-08-25  
[30] AT (A 50644/2014) 2014-09-15

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[11] **2,902,620**  
[13] C

[51] **Int.Cl. B65G 19/28 (2006.01)**  
[25] EN  
[54] **CONVEYOR UNDERGUARD PROTECTION INFERIEURE DE TRANSPORTEUR**  
[72] BRAYMAN, MATTHEW T., US  
[72] SHEFFER, SAMUEL A., US  
[72] VREEKEN, PERCY, US  
[72] POMANTE, NICK, US  
[72] ESCHENBURG, RANDY, US  
[72] NIXON, TIMOTHY J., US  
[73] DEMATIC CORP., US  
[85] 2015-08-25  
[86] 2014-03-13 (PCT/US2014/026012)  
[87] (WO2014/151566)  
[30] US (13/837,901) 2013-03-15  
[30] US (61/887,025) 2013-10-04

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[11] **2,902,645**  
[13] C

[51] **Int.Cl. C02F 1/44 (2006.01) C02F 1/00 (2006.01) F16K 31/02 (2006.01)**  
[25] EN  
[54] **REMOTE CONTROL FAUCET FILTER SYSTEM**  
[54] **SYSTEME DE FILTRE DE ROBINET TELECOMMANDE**  
[72] MILLER, BRYAN, US  
[72] QUINN, KERRY, US  
[72] ANDERSON, DOUG, US  
[72] SCHROECK, ZACH, US  
[73] CULLIGAN INTERNATIONAL COMPANY, US  
[86] (2902645)  
[87] (2902645)  
[22] 2015-09-01  
[30] US (14/602,854) 2015-01-22



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[11] **2,902,889**  
[13] C

[51] **Int.Cl. C04B 28/02 (2006.01) C09K 8/42 (2006.01) C09K 8/46 (2006.01) C09K 8/473 (2006.01)**

[25] EN

[54] **CEMENT SET ACTIVATORS FOR SET-DELAYED CEMENT COMPOSITIONS AND ASSOCIATED METHODS**

[54] **ACTIVATEURS DE PRISE DE CIMENT POUR COMPOSITIONS DE CIMENT A PRISE RETARDEE ET PROCEDES ASSOCIES**

[72] PISKLAK, THOMAS J., US  
[72] AGAPIOU, KYRIACOS, US  
[72] OTIENO, PAULINE A., US  
[72] MORGAN, RONNIE G., US  
[72] BOUL, PETER J., US  
[72] BROTHERS, LANCE E., US  
[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2015-08-27  
[86] 2014-03-28 (PCT/US2014/032150)  
[87] (WO2014/165399)  
[30] US (13/854,115) 2013-03-31

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[11] **2,904,452**  
[13] C

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

[25] EN

[54] **HYDROCARBON RESOURCE HEATING APPARATUS INCLUDING RF CONTACTS AND GUIDE MEMBER AND RELATED METHODS**

[54] **APPAREIL DE CHAUFFAGE D'HYDROCARBURES COMPORTANT DES CONTACTS RF ET UN ELEMENT GUIDE, ET METHODES ASSOCIEES**

[72] WRIGHT, BRIAN N., US  
[72] HANN, MURRAY T., US  
[72] HEWIT, RAYMOND C., US  
[72] LINKEWICH, ZACHARY LINC ALEXANDER, CA  
[72] WATT, ALAN, CA  
[73] HARRIS CORPORATION, US

[86] (2904452)  
[87] (2904452)  
[22] 2015-09-15  
[30] US (14/491,545) 2014-09-19

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[11] **2,904,967**  
[13] C

[51] **Int.Cl. F27B 3/28 (2006.01) F27B 3/08 (2006.01) H05B 7/148 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD TO ELECTRICALLY POWER AN ELECTRIC ARC FURNACE**

[54] **APPAREIL ET METHODE D'ALIMENTATION ELECTRIQUE D'UN FOUR A ARC ELECTRIQUE**

[72] GIGANTE, ENZO, IT  
[72] MORDEGLIA, ANTONELLO, TH  
[73] DANIELI AUTOMATION SPA, IT

[86] (2904967)  
[87] (2904967)  
[22] 2015-09-17  
[30] IT (102015000040259) 2015-07-30

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[11] **2,905,985**  
[13] C

[51] **Int.Cl. H01R 25/16 (2006.01) H01R 35/04 (2006.01)**

[25] EN

[54] **EXPANDABLE AND ROTATABLE POWER STRIP**

[54] **BANDE D'ALIMENTATION EXTENSIBLE ET PIVOTANTE**

[72] NORIEGA, AIMET, US  
[73] CREATIVE TECHNOLOGIES INVESTMENT, INC., US

[86] (2905985)  
[87] (2905985)  
[22] 2015-09-28

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[11] **2,906,450**  
[13] C

[51] **Int.Cl. B63B 1/32 (2006.01)**

[25] EN

[54] **SURF WAKE DEVICE FOR A WATERCRAFT**

[54] **DISPOSITIF DE WAKEBOARD POUR EMBARCATION**

[72] WILHELM, JOSHUA, US  
[73] WILHELM, JOSHUA, US

[86] (2906450)  
[87] (2906450)  
[22] 2015-09-29  
[30] US (62/056,846) 2014-09-29  
[30] US (62/187,446) 2015-07-01  
[30] US (14/840,558) 2015-08-31

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[11] **2,907,775**  
[13] C

[51] **Int.Cl. G10L 15/00 (2013.01)**

[25] EN

[54] **HYBRID, OFFLINE/ONLINE SPEECH TRANSLATION SYSTEM**

[54] **SYSTEME HYBRIDE EN LIGNE/HORS LIGNE DE TRADUCTION DE LA PAROLE**

[72] WAIBEL, NAOMI AOKI, US  
[72] WAIBEL, ALEXANDER, US  
[72] FUEGEN, CHRISTIAN, US  
[72] ROTTMANN, KAY, US  
[73] FACEBOOK, INC., US

[85] 2015-09-21  
[86] 2014-05-01 (PCT/US2014/036454)  
[87] (WO2014/186143)  
[30] US (61/822,629) 2013-05-13  
[30] US (13/915,820) 2013-06-12

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[11] **2,908,201**  
[13] C

[51] **Int.Cl. G01N 33/543 (2006.01)**

[25] EN

[54] **METHODS FOR DETECTING MOLECULES IN A SAMPLE**

[54] **PROCEDES POUR DETECTER DES MOLECULES DANS UN ECHANTILLON**

[72] LARIJANI, BANAFSHE, GB  
[72] PARKER, PETER, GB  
[72] VEERIAH, SELVARAJU, GB  
[73] THE FRANCIS CRICK INSTITUTE LIMITED, GB

[85] 2015-09-25  
[86] 2014-03-11 (PCT/GB2014/050715)  
[87] (WO2014/140554)  
[30] GB (1304352.6) 2013-03-11

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[11] **2,909,197**  
[13] C

[51] **Int.Cl. C22F 1/06 (2006.01) C22C 23/00 (2006.01) C22C 23/06 (2006.01)**

[25] EN

[54] **ALUMINUM-FREE MAGNESIUM ALLOY**

[54] **ALLIAGE DE MAGNESIUM EXEMPT D'ALUMINIUM**

[72] BRUHNKE, ULRICH, DE  
[72] ANDERSECK, RALF, DE  
[73] BRUHNKE, ULRICH, DE

[85] 2015-10-09  
[86] 2014-04-08 (PCT/DE2014/000178)  
[87] (WO2014/166473)  
[30] DE (10 2013 006 169.5) 2013-04-10

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June 12, 2018**

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[11] \***2,909,481**  
[13] C

[51] **Int.Cl. B60B 29/00 (2006.01) B66F 7/00 (2006.01) B66F 7/28 (2006.01)**

[25] EN

[54] **MECHANIC HELPER MACHINE PROTOTYPE**

[54] **PROTOTYPE DE MACHINERIE D'AIDE MECANIQUE**

[72] SOLEIMANLOO, GHOLAMALI, CA

[73] SOLEIMANLOO, GHOLAMALI, CA

[86] (2909481)

[87] (2909481)

[22] 2015-11-03

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[11] **2,909,635**  
[13] C

[51] **Int.Cl. G09G 3/30 (2006.01) G02F 1/1333 (2006.01) G03B 21/14 (2006.01)**

[25] EN

[54] **MULTI-HALF-TONE IMAGING AND DUAL MODULATION PROJECTION/DUAL PROJECTION LASER PROJECTION**

[54] **IMAGERIE EN DEMI-TEINTES MULTIPLES ET PROJECTION A MODULATION DOUBLE/PROJECTION LASER A MODULATION DOUBLE**

[72] RICHARDS, MARTIN J., US

[72] SHIELDS, JEROME, US

[73] DOLBY LABORATORIES LICENSING CORPORATION, US

[85] 2015-10-15

[86] 2014-04-14 (PCT/US2014/034010)

[87] (WO2014/182404)

[30] US (61/820,680) 2013-05-07

[30] US (61/820,683) 2013-05-07

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[11] **2,909,667**  
[13] C

[51] **Int.Cl. B65D 5/50 (2006.01) B65B 21/02 (2006.01) B65D 81/05 (2006.01)**

[25] EN

[54] **CARTON WITH ARTICLE PROTECTION FEATURE**

[54] **BOITE PLIANTE DOTEE D'UN ELEMENT DE PROTECTION D'ARTICLE**

[72] HOLLEY, JOHN MURDICK, JR., US

[73] GRAPHIC PACKAGING INTERNATIONAL, LLC, US

[85] 2015-10-15

[86] 2014-05-12 (PCT/US2014/037642)

[87] (WO2014/186259)

[30] US (61/855,305) 2013-05-13

[30] US (61/959,162) 2013-08-16

[30] US (61/963,653) 2013-12-10

[30] US (14/248,650) 2014-04-09

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[11] **2,909,888**  
[13] C

[51] **Int.Cl. H04L 12/751 (2013.01)**

[25] EN

[54] **IDENTIFYING AN EGRESS PORT OF A DEVICE**

[54] **IDENTIFICATION D'UN PORT DE SORTIE D'UN DISPOSITIF**

[72] ROPER, JEFFREY JOHN, GB

[73] ENTUITY LIMITED, GB

[85] 2015-10-16

[86] 2014-04-17 (PCT/EP2014/057962)

[87] (WO2014/170457)

[30] GB (1307131.1) 2013-04-19

[30] GB (1406568.4) 2014-04-11

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[11] **2,909,893**  
[13] C

[51] **Int.Cl. F16L 37/08 (2006.01) F16L 37/088 (2006.01) F16L 37/12 (2006.01)**

[25] EN

[54] **RAPID COUPLING**

[54] **RACCORD RAPIDE AVEC INDICATEUR DE VERROUILLAGE**

[72] HANSLI, WILLI, CH

[72] MULLER, URS, CH

[73] OETIKER SCHWEIZ AG, CH

[85] 2015-10-20

[86] 2014-10-17 (PCT/EP2014/072373)

[87] (WO2015/104073)

[30] DE (10 2014 000 387.6) 2014-01-10

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[11] **2,909,930**  
[13] C

[51] **Int.Cl. H01M 8/04828 (2016.01) H01M 8/04119 (2016.01) H01M 8/0438 (2016.01)**

[25] EN

[54] **FUEL CELL SYSTEM AND CONTROL METHOD THEREFOR**

[54] **SYSTEME DE PILE A COMBUSTIBLE ET METHODE DE COMMANDE ASSOCIEE**

[72] YAMAMOTO, KAZUO, JP

[72] IMANISHI, HIROYUKI, JP

[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP

[86] (2909930)

[87] (2909930)

[22] 2015-10-22

[30] JP (2014-231194) 2014-11-14

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[11] **2,910,842**  
[13] C

[51] **Int.Cl. G08G 1/127 (2006.01) H04B 1/59 (2006.01) H04L 12/40 (2006.01)**

[25] EN

[54] **INFORMATION TRANSMISSION AND PROCESSING SYSTEMS AND METHODS FOR FREIGHT CARRIERS**

[54] **SYSTEMES ET PROCEDES DE TRANSMISSION ET DE TRAITEMENT D'INFORMATIONS POUR DES TRANSPORTEURS DE MARCHANDISES**

[72] ROBERTS, RALPH L., US

[72] DECK, CHRIS, US

[72] CRANDALL, STEVE, US

[73] R & L CARRIERS, INC., US

[86] (2910842)

[87] (2910842)

[22] 2008-07-23

[62] 2,693,011

[30] US (60/951,372) 2007-07-23

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[11] **2,910,843**  
[13] C

[51] **Int.Cl. H04W 4/48 (2018.01) H04W 84/18 (2009.01) B60R 16/023 (2006.01)**  
[25] EN  
[54] **INFORMATION TRANSMISSION AND PROCESSING SYSTEMS AND METHODS FOR FREIGHT CARRIERS**  
[54] **SYSTEMES ET PROCEDES DE TRANSMISSION ET DE TRAITEMENT D'INFORMATIONS POUR DES TRANSPORTEURS DE MARCHANDISES**  
[72] ROBERTS, RALPH L., US  
[72] DECK, CHRIS, US  
[72] CRANDALL, STEVE, US  
[73] R & L CARRIERS, INC., US  
[86] (2910843)  
[87] (2910843)  
[22] 2008-07-23  
[62] 2,693,011  
[30] US (60/951372) 2007-07-23

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[11] **2,911,509**  
[13] C

[51] **Int.Cl. H01Q 15/23 (2006.01) H01Q 19/00 (2006.01)**  
[25] EN  
[54] **DYNAMICALLY ADJUSTING WIDTH OF BEAM BASED ON ALTITUDE**  
[54] **REGLAGE DE MANIERE DYNAMIQUE DE LARGEUR DE FAISCEAU BASE SUR ALTITUDE**  
[72] BEHROOZI, CYRUS, US  
[72] TELLER, ERIC, US  
[72] DEVAUL, RICHARD WAYNE, US  
[73] X DEVELOPMENT LLC, US  
[85] 2015-11-05  
[86] 2014-04-23 (PCT/US2014/035085)  
[87] (WO2014/182450)  
[30] US (13/892,161) 2013-05-10

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[11] **2,911,968**  
[13] C

[51] **Int.Cl. F26B 5/00 (2006.01)**  
[25] EN  
[54] **DUAL TUMBLE DRYER UNIT AND SYSTEM**  
[54] **SYSTEME ET UNITE DE SECHAGE A DOUBLE CULBUTAGE**  
[72] PUCKETT, JOHN, US  
[72] LEMNA, MARK S., US  
[73] BARLEAN'S ORGANIC OILS, LLC, US  
[85] 2015-11-06  
[86] 2014-05-23 (PCT/US2014/039442)  
[87] (WO2014/190320)  
[30] US (61/826,891) 2013-05-23

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[11] **2,912,169**  
[13] C

[51] **Int.Cl. H01M 2/10 (2006.01)**  
[25] EN  
[54] **ASSEMBLED-BATTERY STACKER AND ASSEMBLED BATTERY**  
[54] **EMPILEUR DE PILE ASSEMBLEE ET PILE ASSEMBLEE**  
[72] HAMADA, KOICHI, JP  
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP  
[85] 2015-11-10  
[86] 2014-07-23 (PCT/JP2014/069393)  
[87] (WO2015/012292)  
[30] JP (2013-155097) 2013-07-26

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[11] **2,912,541**  
[13] C

[51] **Int.Cl. H01Q 19/19 (2006.01) H01Q 15/16 (2006.01)**  
[25] EN  
[54] **LOW PROFILE HIGH EFFICIENCY MULTI-BAND REFLECTOR ANTENNAS**  
[54] **ANTENNES A REFLECTEUR MULTIBANDE, A PROFIL BAS, DE HAUTE PERFORMANCE**  
[72] CHANG, YUEH-CHI, US  
[72] HENDRY, DAVID L., US  
[72] MOVVA, ARAVIND B., US  
[73] RAYTHEON COMPANY, US  
[85] 2015-11-13  
[86] 2014-08-19 (PCT/US2014/051649)  
[87] (WO2015/053863)  
[30] US (14/026,446) 2013-09-13

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[11] **2,913,167**  
[13] C

[51] **Int.Cl. H04L 12/721 (2013.01) H04L 12/947 (2013.01) H04L 12/24 (2006.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR IMPLEMENTING AND MANAGING VIRTUAL SWITCHES**  
[54] **PROCEDE ET APPAREIL DESTINES A METTRE EN APPLICATION ET A GERER DES COMMUTATEURS VIRTUELS**  
[72] CASADO, MARTIN, US  
[72] INGRAM, PAUL S., US  
[72] AMIDON, KEITH ERIC, US  
[72] BALLAND, PETER J., III, US  
[72] KOPONEN, TEEMU, US  
[72] PFAFF, BENJAMIN LEVY, US  
[72] PETTIT, JUSTIN, US  
[72] GROSS, JESSE E., IV, US  
[72] WENDLANDT, DANIEL J., US  
[73] NICIRA, INC., US  
[86] (2913167)  
[87] (2913167)  
[22] 2010-04-01  
[62] 2,756,289  
[30] US (61/165,875) 2009-04-01

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[11] **2,914,139**  
[13] C

[51] **Int.Cl. B64C 27/64 (2006.01) B64C 27/72 (2006.01)**  
[25] EN  
[54] **INDIVIDUAL BLADE CONTROL UTILIZING PNEUMATIC MUSCLES**  
[54] **CONTROLE INDIVIDUEL D'AUBE EMPLOYANT DES MUSCLES PNEUMATIQUES**  
[72] SCHANK, TROY, US  
[73] BELL HELICOPTER TEXTRON INC., US  
[86] (2914139)  
[87] (2914139)  
[22] 2015-12-03  
[30] US (14/559,339) 2014-12-03

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[11] **2,914,272**  
[13] C

[51] **Int.Cl. G01V 9/00 (2006.01)**  
[25] EN  
[54] **HYBRID APPROACH TO ASSISTED HISTORY MATCHING IN LARGE RESERVOIRS**  
[54] **APPROCHE HYBRIDE DE MISE EN CORRESPONDANCE ASSISTEE D'HISTORIQUES DANS DE GRANDS RESERVOIRS**  
[72] SINGH, AJAY PRATAP, US  
[72] MIRZADEH, SAYED M., US  
[72] MAUCEC, MARKO, US  
[72] CARVAJAL, GUSTAVO, US  
[72] KNABE, STEVEN PATTON, US  
[73] LANDMARK GRAPHICS CORPORATION, US  
[85] 2015-12-01  
[86] 2013-08-16 (PCT/US2013/055463)  
[87] (WO2015/002660)  
[30] US (61/843,108) 2013-07-05

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[11] **2,914,296**  
[13] C

[51] **Int.Cl. B08B 5/02 (2006.01) B08B 9/023 (2006.01)**  
[25] EN  
[54] **A MACHINE FOR CLEANING A SECTION OF PIPELINE**  
[54] **UNE MACHINE SERVANT A NETTOYER UNE SECTION DE PIPELINE**  
[72] DAYKIN, DAMIAN, GB  
[72] MCCORMACK, CHRISTOPHER, GB  
[72] HOLLAND, NICHOLAS, GB  
[73] PIPELINE INDUCTION HEAT LIMITED, GB  
[86] (2914296)  
[87] (2914296)  
[22] 2015-12-07  
[30] GB (1421792.1) 2014-12-08

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[11] **2,914,587**  
[13] C

[51] **Int.Cl. G06F 17/30 (2006.01) H04L 12/16 (2006.01)**  
[25] EN  
[54] **AMBIGUOUS STRUCTURED SEARCH QUERIES ON ONLINE SOCIAL NETWORKS**  
[54] **INTERROGATIONS DE RECHERCHE STRUCTUREES AMBIGUES SUR DES RESEAUX SOCIAUX EN LIGNE**  
[72] LEE, YOFAY KARI, US  
[72] PEIRIS, KEITH L., US  
[72] MASCHMEYER, WILLIAM R., US  
[72] RASMUSSEN, LARS EILSTRUP, US  
[72] DUCK, JOSHUA KEITH, US  
[73] FACEBOOK, INC., US  
[86] (2914587)  
[87] (2914587)  
[22] 2013-12-19  
[62] 2,895,892  
[30] US (13/732,101) 2012-12-31  
[30] EP (13197982.5) 2013-12-18

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[11] **2,914,873**  
[13] C

[51] **Int.Cl. H04W 28/04 (2009.01) H04W 72/06 (2009.01) H04W 72/12 (2009.01) H04W 52/02 (2009.01)**  
[25] EN  
[54] **RANK INDICATOR TRANSMISSION DURING DISCONTINUOUS RECEPTION**  
[54] **TRANSMISSION D'INDICATEUR DE RANG PENDANT UNE RECEPTION DISCONTINUEE**  
[72] YU, YI, US  
[72] WOMACK, JAMES EARL, US  
[72] CAI, ZHIJUN, US  
[73] BLACKBERRY LIMITED, CA  
[86] (2914873)  
[87] (2914873)  
[22] 2009-03-04  
[62] 2,719,818  
[30] US (12/058,444) 2008-03-28

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[11] **2,914,895**  
[13] C

[51] **Int.Cl. G10L 19/005 (2013.01) G10L 19/09 (2013.01) G10L 25/90 (2013.01)**  
[25] EN  
[54] **APPARATUS AND METHOD FOR IMPROVED SIGNAL FADE OUT FOR SWITCHED AUDIO CODING SYSTEMS DURING ERROR CONCEALMENT**  
[54] **APPAREIL ET PROCEDE POUR UN FONDU AU NOIR DE SIGNAL AMELIORE POUR DES SYSTEMES DE CODAGE AUDIO COMMUTES DURANT UN MASQUAGE D'ERREURS**  
[72] SCHNABEL, MICHAEL, DE  
[72] MARKOVIC, GORAN, DE  
[72] SPERSCHNEIDER, RALPH, DE  
[72] LECOMTE, JEREMIE, DE  
[72] HELMRICH, CHRISTIAN, DE  
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE  
[85] 2015-12-09  
[86] 2014-06-23 (PCT/EP2014/063171)  
[87] (WO2014/202784)  
[30] EP (13173154.9) 2013-06-21  
[30] EP (14166998.6) 2014-05-05

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[11] **2,915,957**  
[13] C

[51] **Int.Cl. E02D 29/12 (2006.01) E02D 29/14 (2006.01)**  
[25] EN  
[54] **MANHOLE FRAME WITH ONE OR MORE HANDHOLDS**  
[54] **CADRE DE TROU D'HOMME MUNI D'UNE OU PLUSIEURS POIGNEES DE MAINTIEN**  
[72] ARMSTRONG, RONALD, CA  
[73] ARMSTRONG, RONALD, CA  
[85] 2015-12-17  
[86] 2014-07-08 (PCT/CA2014/050649)  
[87] (WO2015/010196)  
[30] US (61/856,912) 2013-07-22

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[11] **2,917,021**  
[13] C

[51] **Int.Cl. F03D 80/30 (2016.01) F03D 1/06 (2006.01)**  
[25] EN  
[54] **WIND POWER GENERATION APPARATUS WITH LIGHTNING RECEIVING SECTION**  
[54] **APPAREIL DE PRODUCTION D'ENERGIE EOLIENNE DOTE D'UNE SECTION DE RECEPTION DE Foudre**  
[72] SHIRAIISHI, TAKASHI, JP  
[72] HASHIMOTO, TAKASHI, JP  
[72] KATO, HIROSHI, JP  
[73] HITACHI, LTD., JP  
[86] (2917021)  
[87] (2917021)  
[22] 2016-01-08  
[30] JP (2015-019509) 2015-02-03

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[11] **2,917,091**  
[13] C

[51] **Int.Cl. B61L 27/00 (2006.01) B61L 19/06 (2006.01)**  
[25] EN  
[54] **DEVICE AND METHOD FOR OPERATING FUNCTIONAL UNITS ARRANGED IN A DECENTRALIZED MANNER**  
[54] **EQUIPEMENT ET PROCEDE POUR FAIRE FONCTIONNER DES UNITES FONCTIONNELLES DECENTRALISEES**  
[72] REICHLIN, ANTON, CH  
[73] SIEMENS SCHWEIZ AG, CH  
[85] 2015-12-30  
[86] 2014-06-25 (PCT/EP2014/063358)  
[87] (WO2015/000757)  
[30] EP (13174634.9) 2013-07-02  
[30] EP (13178451.4) 2013-07-30

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[11] **2,917,286**  
[13] C

[51] **Int.Cl. C04B 22/06 (2006.01) C04B 24/00 (2006.01) C04B 28/00 (2006.01)**  
[25] EN  
[54] **METHODS OF CEMENTING AND SPENT CRACKING CATALYST-CONTAINING CEMENT COMPOSITIONS**  
[54] **PROCEDES DE CIMENTATION ET CATALYSEUR DE CRAQUAGE USE CONTENANT DES COMPOSITIONS DE CIMENT**  
[72] PANDEY, VANDANA NEERAJ, IN  
[72] PATIL, RAHUL CHANDRAKANT, IN  
[72] KOYITTI, REMITHA ANANDOTH, IN  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2016-01-04  
[86] 2013-08-05 (PCT/US2013/053548)  
[87] (WO2015/020623)

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[11] **2,917,760**  
[13] C

[51] **Int.Cl. H05B 33/08 (2006.01)**  
[25] EN  
[54] **A LIGHT EMITTING DIODE (LED) LAMP REPLACEMENT DRIVER FOR LINEAR FLUORESCENT LAMPS**  
[54] **CIRCUIT D'ATTAQUE DE RECHANGE DE LAMPE A DIODE ELECTROLUMINESCENTE (LED) POUR LAMPES FLUORESCENTES LINEAIRES**  
[72] DANKOVITS, PETER, HU  
[72] NOVAK, KRISZTIAN, HU  
[72] ZALKA, PETER, HU  
[73] GENERAL ELECTRIC COMPANY, US  
[85] 2016-01-07  
[86] 2014-07-09 (PCT/US2014/045841)  
[87] (WO2015/006385)  
[30] US (13/939,245) 2013-07-11

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[11] **2,918,059**  
[13] C

[51] **Int.Cl. B62B 3/02 (2006.01) B62B 5/06 (2006.01)**  
[25] EN  
[54] **LOAD CARRIER WITH MODE CHANGER**  
[54] **PORTE-CHARGE EQUIPE D'UN DISPOSITIF DE CHANGEMENT DE MODE**  
[72] GIBSON, WILLIAM R., US  
[73] DOREL HOME FURNISHINGS, INC., US  
[85] 2016-01-12  
[86] 2014-07-14 (PCT/US2014/046490)  
[87] (WO2015/006760)  
[30] US (61/845,648) 2013-07-12

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[11] **2,918,217**  
[13] C

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4709 (2006.01) A61K 31/4985 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 487/04 (2006.01) C07D 519/00 (2006.01)**  
[25] FR  
[54] **NOVEL INDOLIZINE DERIVATIVES, METHOD FOR THE PRODUCTION THEREOF AND PHARMACEUTICAL COMPOSITIONS CONTAINING SAME**  
[54] **NOUVEAUX DERIVES D'INDOLIZINE, LEUR PROCEDE DE PREPARATION ET LES COMPOSITIONS PHARMACEUTIQUES QUI LES CONTIENNENT**  
[72] LE TIRAN, ARNAUD, FR  
[72] LE DIGUARHER, THIERRY, FR  
[72] STARCK, JEROME-BENOIT, FR  
[72] HENLIN, JEAN-MICHEL, FR  
[72] DE NANTEUIL, GUILLAUME, FR  
[72] GENESTE, OLIVIER, FR  
[72] DAVIDSON, JAMES EDWARD PAUL, GB  
[72] MURRAY, JAMES BROOKE, GB  
[72] CHEN, I-JEN, GB  
[73] LES LABORATOIRES SERVIER, FR  
[73] VERNALIS (R&D) LIMITED, GB  
[85] 2016-01-13  
[86] 2014-07-22 (PCT/FR2014/051885)  
[87] (WO2015/011397)  
[30] FR (13/57265) 2013-07-23

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[11] **2,918,614**  
[13] C

[51] **Int.Cl. B24B 33/08 (2006.01)**  
[25] FR  
[54] **HONING TOOL FOR THE EXTERNAL SURFACE OF A STRAIGHT CYLINDRICAL TUBE**  
[54] **OUTIL DE RODAGE D'UNE SURFACE EXTERNE D'UN TUBE CYLINDRIQUE DROIT**  
[72] LABELLE, NORMAND, CA  
[72] CACERES, ALAN, CA  
[72] NGUYEN, NHU, CA  
[73] MESSIER-BUGATTI-DOWTY, FR  
[86] (2918614)  
[87] (2918614)  
[22] 2016-01-21  
[30] FR (15 50558) 2015-01-23

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[11] **2,918,715**  
[13] C

[51] **Int.Cl. G10L 19/005 (2013.01) G10L 19/00 (2013.01) H04L 1/00 (2006.01)**  
[25] EN  
[54] **AUDIO SIGNAL PROCESSING DEVICE AND AUDIO SIGNAL PROCESSING METHOD FOR MITIGATING SUDDEN INCREASE IN AMPLITUDE OF DECODED AUDIO**  
[54] **APPAREIL DE TRAITEMENT DE SIGNAL AUDIO ET METHODE DE TRAITEMENT DE SIGNAL AUDIO DESTINEE A ATTENUER L'AUGMENTATION SOUDAINE DE L'AMPLITUDE DU SIGNAL AUDIO DECODE**  
[72] TSUTSUMI, KIMITAKA, JP  
[72] KIKUIRI, KEI, JP  
[72] YAMAGUCHI, ATSUSHI, JP  
[73] NTT DOCOMO, INC., JP  
[85] 2016-01-19  
[86] 2014-10-10 (PCT/JP2014/077215)  
[87] (WO2015/064346)  
[30] JP (2013-224120) 2013-10-29

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[11] **2,918,804**  
[13] C

[51] **Int.Cl. G10L 19/028 (2013.01)**  
[25] EN  
[54] **APPARATUS AND METHOD FOR DECODING OR ENCODING AN AUDIO SIGNAL USING ENERGY INFORMATION VALUES FOR A RECONSTRUCTION BAND**  
[54] **APPAREIL ET PROCEDE POUR DECODER OU CODER UN SIGNAL AUDIO A L'AIDE DE VALEURS D'INFORMATIONS D'ENERGIE POUR UNE BANDE DE RECONSTRUCTION**  
[72] NIEDERMEIER, ANDREAS, DE  
[72] ERTEL, CHRISTIAN, DE  
[72] GEIGER, RALF, DE  
[72] GHIDO, FLORIN, DE  
[72] HELMRICH, CHRISTIAN, DE  
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE  
[85] 2016-01-20  
[86] 2014-07-15 (PCT/EP2014/065110)  
[87] (WO2015/010949)  
[30] EP (EP13177348) 2013-07-22  
[30] EP (EP13177350) 2013-07-22  
[30] EP (EP13177353) 2013-07-22  
[30] EP (EP13177346) 2013-07-22  
[30] EP (EP13189374) 2013-10-18

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[11] **2,918,819**  
[13] C

[51] **Int.Cl. A23G 1/00 (2006.01) A23G 1/20 (2006.01) A23G 1/22 (2006.01) A23G 3/34 (2006.01) A23G 7/00 (2006.01) B65B 47/04 (2006.01) B65B 47/10 (2006.01)**  
[25] EN  
[54] **FOOD ITEM**  
[54] **ARTICLE ALIMENTAIRE**  
[72] DHADDA, JASWINDER SINGH, US  
[72] ANDREWS, RICHARD JOHN, US  
[73] KRAFT FOODS R&D, INC., US  
[85] 2016-01-20  
[86] 2014-07-23 (PCT/IB2014/063330)  
[87] (WO2015/019227)  
[30] GB (1314109.8) 2013-08-07

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[11] **2,918,837**  
[13] C

[51] **Int.Cl. H04L 1/04 (2006.01) H04L 1/00 (2006.01) H04L 1/08 (2006.01) H04L 1/18 (2006.01)**  
[25] EN  
[54] **LOW RATE DATA COMMUNICATION**  
[54] **COMMUNICATION DE DONNEES A BAS DEBIT**  
[72] VERMANI, SAMEER, US  
[72] TIAN, BIN, US  
[72] TANDRA, RAHUL, US  
[72] SAMPATH, HEMANTH, US  
[72] MERLIN, SIMONE, US  
[73] QUALCOMM INCORPORATED, US  
[85] 2016-01-19  
[86] 2014-08-26 (PCT/US2014/052656)  
[87] (WO2015/031330)  
[30] US (61/871,241) 2013-08-28  
[30] US (14/467,894) 2014-08-25

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[11] **2,918,934**  
[13] C

[51] **Int.Cl. A61K 9/28 (2006.01) A61K 9/20 (2006.01) A61K 9/22 (2006.01) A61K 31/155 (2006.01)**  
[25] EN  
[54] **COMBINATION FORMULATION CONTAINING SUSTAINED RELEASE METFORMIN AND IMMEDIATE RELEASE HMG-COA REDUCTASE INHIBITOR**  
[54] **FORMULE DE COMBINAISON RENFERMANT DE LA METFORMINE A LIBERATION PROLONGEE ET UN INHIBITEUR DE REDUCTASE HMG-COA A LIBERATION IMMEDIATE**  
[72] KANG, KWI MAN, KR  
[72] PARK, YOUNG JOON, KR  
[72] PARK, JUN HONG, KR  
[72] LEE, JI EUN, KR  
[72] YOON, SEOK KEE, KR  
[72] KIM, YU JEONG, KR  
[72] OH, TACK OON, KR  
[72] CHO, TAE KEUN, KR  
[73] CJ HEALTHCARE CORPORATION, KR  
[85] 2016-01-20  
[86] 2014-07-25 (PCT/KR2014/006797)  
[87] (WO2015/012633)  
[30] KR (10-2013-0088339) 2013-07-25

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[11] **2,919,323**  
[13] C

[51] **Int.Cl. G06Q 20/40 (2012.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR GENERATING PAYMENT CREDENTIALS**  
[54] **SYSTEME ET PROCEDE DE PRODUCTION DE JUSTIFICATIFS D'IDENTITE DE PAIEMENT**  
[72] HUXHAM, HORATIO NELSON, ZA  
[73] VISA INTERNATIONAL SERVICE ASSOCIATION, US  
[85] 2016-01-25  
[86] 2014-08-13 (PCT/IB2014/063894)  
[87] (WO2015/022651)  
[30] ZA (2013/06161) 2013-08-15

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[11] **2,919,492**  
[13] C

[51] **Int.Cl. E21B 4/02 (2006.01) E21B 4/04 (2006.01)**  
[25] EN  
[54] **DOWNHOLE DRILLING MOTOR**  
[54] **MOTEUR DE FORAGE DE FOND DE TROU**  
[72] D'SILVA, ALBEN, CA  
[72] ESTRADA, EDGAR A., CA  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2016-01-26  
[86] 2013-08-29 (PCT/US2013/057341)  
[87] (WO2015/030778)

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[11] **2,919,934**  
[13] C

[51] **Int.Cl. A61L 2/20 (2006.01)**  
[25] EN  
[54] **METHOD AND DEVICE FOR HYDROGEN PEROXIDE STERILIZATION**  
[54] **METHODE ET DISPOSITIF DE STERILISATION AU PEROXYDE D'HYDROGENE**  
[72] RULEY, ARJA, FI  
[72] SALMISUO, MAURI, FI  
[73] STERIS EUROPE, INC. SUOMEN SIVULIIKE, FI  
[86] (2919934)  
[87] (2919934)  
[22] 2016-02-04  
[30] EP (15397506.5) 2015-02-13

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[11] **2,920,199**  
[13] C

[51] **Int.Cl. A61J 3/00 (2006.01) A61J 1/20 (2006.01)**  
[25] EN  
[54] **COMPOUNDING SYSTEMS AND METHODS FOR SAFE MEDICAMENT TRANSPORT**  
[54] **SYSTEMES ET PROCEDES PERMETTANT DE MELANGER ET DE TRANSPORTER UN MEDICAMENT EN TOUTE SECURITE**  
[72] GARFIELD, JARED, US  
[72] LYON, GREGORY, US  
[73] J&J SOLUTIONS, INC. D.B.A CORVIDA MEDICAL, US  
[85] 2016-02-02  
[86] 2014-08-04 (PCT/US2014/049609)  
[87] (WO2015/017858)  
[30] US (61/861,680) 2013-08-02  
[30] US (61/984,144) 2014-04-25

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[11] **2,920,265**  
[13] C

[51] **Int.Cl. A61C 17/16 (2006.01) F16H 25/18 (2006.01) H02K 33/00 (2006.01)**  
[25] EN  
[54] **SPRING MECHANISM FOR POWER DEVICE**  
[54] **MECANISME A RESSORT POUR DISPOSITIF DE PUISSANCE**  
[72] DISHON, BRYAN J., US  
[72] KOLLAR, KEVIN J., US  
[73] RANIR, LLC, US  
[86] (2920265)  
[87] (2920265)  
[22] 2016-02-08  
[30] US (14/661,680) 2015-03-18  
[30] US (14/801,968) 2015-07-17

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[11] **2,921,263**  
[13] C

[51] **Int.Cl. B32B 18/00 (2006.01) B32B 37/00 (2006.01) B32B 38/08 (2006.01) C04B 41/87 (2006.01)**  
[25] EN  
[54] **LAMINATE STRUCTURE FABRICATED USING CHEMICAL VAPOR INFILTRATION (CVI)**  
[54] **STRUCTURE STRATIFIEE FABRIQUEE A L'AIDE D'INFILTRATION EN PHASE VAPEUR**  
[72] WEAVER, JARED HOGG, US  
[72] RAMAMURTHI, BADRI NARAYAN, US  
[73] GENERAL ELECTRIC COMPANY, US  
[86] (2921263)  
[87] (2921263)  
[22] 2016-02-18  
[30] US (14/633,347) 2015-02-27

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[11] **2,921,478**  
[13] C

[51] **Int.Cl. E21B 10/28 (2006.01)**  
[25] EN  
[54] **DRILL HEAD FOR EXPANDING A PILOT BORE IN ORDER TO CREATE A BOREHOLE**  
[54] **TETE DE FORAGE PERMETTANT D'ELARGIR UN FORAGE PILOTE POUR PRODUIRE UN TROU FORE**  
[72] LUBBERGER, MICHAEL, DE  
[72] GERHARDT, TOBIAS, DE  
[73] HERRENKNECHT AG, DE  
[85] 2016-02-16  
[86] 2014-08-08 (PCT/EP2014/002179)  
[87] (WO2015/022065)  
[30] DE (10 2013 013 477.3) 2013-08-15

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[11] **2,921,782**  
[13] C

[51] **Int.Cl. F02F 1/24 (2006.01) F02B 19/00 (2006.01) F02F 1/42 (2006.01) F02P 13/00 (2006.01)**  
[25] EN  
[54] **CYLINDER HEAD**  
[54] **TETE DE CYLINDRE**  
[72] JACOB, RAPHAEL, DE  
[73] GE JENBACHER GMBH & CO OG, AT  
[86] (2921782)  
[87] (2921782)  
[22] 2016-02-24  
[30] AT (A 50160/2015) 2015-02-27

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[11] **2,921,893**  
[13] C

[51] **Int.Cl. H04N 7/08 (2006.01) H04N 21/236 (2011.01)**  
[25] EN  
[54] **APPARATUS FOR TRANSMITTING BROADCAST SIGNALS, APPARATUS FOR RECEIVING BROADCAST SIGNALS, METHOD FOR TRANSMITTING BROADCAST SIGNALS AND METHOD FOR RECEIVING BROADCAST SIGNALS**  
[54] **APPAREIL DE TRANSMISSION DE SIGNAUX DE DIFFUSION, APPAREIL DE RECEPTION DE SIGNAUX DE DIFFUSION, PROCEDE DE TRANSMISSION DE SIGNAUX DE DIFFUSION ET PROCEDE DE RECEPTION DE SIGNAUX DE DIFFUSION**  
[72] KWON, WOOSUK, KR  
[72] HONG, SUNGRYONG, KR  
[72] MOON, KYOUNGSOO, KR  
[72] KO, WOOSUK, KR  
[72] OH, SEJIN, KR  
[73] LG ELECTRONICS INC., KR  
[85] 2016-02-19  
[86] 2014-08-19 (PCT/KR2014/007690)  
[87] (WO2015/026137)  
[30] US (61/867,163) 2013-08-19

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[11] **2,922,141**  
[13] C

[51] **Int.Cl. H05F 3/02 (2006.01)**  
[25] EN  
[54] **GROUNDING ROPE FOR A SHAFT GROUNDING APPARATUS OF A DYNAMO-ELECTRIC MACHINE**  
[54] **CABLE DE MISE A LA TERRE POUR APPAREIL DE MISE A LA TERRE D'ARBRE D'UNE MACHINE DYNAMO-ELECTRIQUE**  
[72] CUTSFORTH, ROBERT S., US  
[72] KAMMERER, JASON R., US  
[73] CUTSFORTH, INC., US  
[85] 2016-02-22  
[86] 2014-09-08 (PCT/US2014/054480)  
[87] (WO2015/035277)  
[30] US (14/020,992) 2013-09-09

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[11] **2,922,309**  
[13] C

[51] **Int.Cl. C07C 2/08 (2006.01) B01J 38/00 (2006.01)**  
[25] EN  
[54] **REGENERATION OF A HETEROGENEOUS CATALYST USED IN ETHENE OLIGOMERIZATION**  
[54] **REGENERATION DE CATALYSEUR HETEROGENE UTILISE DANS L'OLIGOMERISATION DE L'ETHENE**  
[72] STOCHNIOL, GUIDO, DE  
[72] PEITZ, STEPHAN, DE  
[72] MASCHMEYER, DIETRICH, DE  
[72] REEKER, HELENE, DE  
[73] EVONIK DEGUSSA GMBH, DE  
[86] (2922309)  
[87] (2922309)  
[22] 2016-03-01  
[30] EP (15 157 358.1) 2015-03-03

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[11] **2,923,349**  
[13] C

[51] **Int.Cl. A23K 10/30 (2016.01) A23K 20/00 (2016.01) A23K 20/142 (2016.01) A23K 20/158 (2016.01) A23K 20/163 (2016.01) A23K 20/174 (2016.01) A23K 20/20 (2016.01) A23K 50/40 (2016.01)**  
[25] EN  
[54] **PET FOOD COMPOSITIONS FOR INDUCING A SATIETY RESPONSE**  
[54] **COMPOSITIONS D'ALIMENTS POUR ANIMAUX DE COMPAGNIE PERMETTANT D'INDUIRE UNE REPONSE DE SATIETE**  
[72] AL-MURRANI, SAMER, US  
[73] HILL'S PET NUTRITION, INC., US  
[86] (2923349)  
[87] (2923349)  
[22] 2011-11-23  
[62] 2,821,386  
[30] US (61/425,008) 2010-12-20

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[11] **2,924,061**  
[13] C

[51] **Int.Cl. G01N 25/72 (2006.01)**  
[25] EN  
[54] **LAMP ASSEMBLY FOR A THERMOGRAPHIC NONDESTRUCTIVE EVALUATION SYSTEM**  
[54] **ENSEMBLE DE LAMPE POUR UN SYSTEME D'EVALUATION THERMOGRAPHIQUE NON DESTRUCTEUR**  
[72] HOWARD, DONALD ROBERT, US  
[72] RINGERMACHER, HARRY ISRAEL, US  
[72] FAIDI, WASEEM IBRAHIM, US  
[72] KNIGHT, BRYON EDWARD, US  
[73] GENERAL ELECTRIC COMPANY, US  
[85] 2016-03-10  
[86] 2014-09-10 (PCT/US2014/054871)  
[87] (WO2015/047726)  
[30] US (14/037,621) 2013-09-26

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[11] **2,924,341**  
[13] C

[51] **Int.Cl. F25J 3/08 (2006.01) B01D 53/00 (2006.01) C01B 17/16 (2006.01) F25J 3/02 (2006.01)**  
[25] EN  
[54] **PURIFICATION OF CARBON DIOXIDE**  
[54] **PURIFICATION DE DIOXYDE DE CARBONE**  
[72] HIGGINBOTHAM, PAUL, US  
[72] PALAMARA, JOHN EUGENE, US  
[72] GUVELIOGLU, GALIP HAKAN, US  
[73] AIR PRODUCTS AND CHEMICALS, INC., US  
[85] 2016-03-14  
[86] 2013-10-25 (PCT/US2013/066927)  
[87] (WO2015/060878)



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[11] **2,924,528**  
[13] C

[51] **Int.Cl. B23K 9/32 (2006.01) B23K 9/26 (2006.01) B26F 1/26 (2006.01) F23D 14/48 (2006.01) H05H 1/34 (2006.01)**

[25] EN

[54] **THREAD CONNECTION FOR A TORCH SYSTEM**

[54] **RACCORD FILETE POUR UN SYSTEME DE TORCHE**

[72] JOGDAND, HARSHAWARDHAN, US

[72] LIEBOLD, STEPHEN M., US

[72] SANDERS, NICHOLAS A., US

[73] HYPERTHERM, INC., US

[85] 2016-03-15

[86] 2014-09-19 (PCT/US2014/056546)

[87] (WO2015/042390)

[30] US (14/031,420) 2013-09-19

[30] US (61/991,114) 2014-05-09

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[11] **2,925,388**  
[13] C

[51] **Int.Cl. H02K 3/487 (2006.01) H02K 3/30 (2006.01) H02K 3/493 (2006.01)**

[25] EN

[54] **SLOT SEALING MATERIAL, SLOT SEAL AND METHOD FOR PRODUCING A SLOT SEAL**

[54] **MATIERE DE FERMETURE D'ENCOCHE, FERMETURE D'ENCOCHE ET PROCEDE DE FABRICATION D'UNE FERMETURE D'ENCOCHE**

[72] HUBER, JURGEN, DE

[72] KLAUSSNER, BERNHARD, DE

[72] SCHIRM, DIETER, DE

[73] SIEMENS AKTIENGESELLSCHAFT, DE

[85] 2016-03-24

[86] 2014-09-15 (PCT/EP2014/069581)

[87] (WO2015/043991)

[30] DE (10 2013 219 485.4) 2013-09-27

[30] EP (13192808.7) 2013-11-14

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[11] **2,925,902**  
[13] C

[51] **Int.Cl. A61F 11/00 (2006.01) A61N 1/30 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR THE SIMULTANEOUS BILATERAL TREATMENT OF TARGET TISSUES WITHIN THE EARS**

[54] **SYSTEME ET PROCEDE DE TRAITEMENT BILATERAL SIMULTANE DE TISSUS CIBLES DANS LES OREILLES**

[72] CLIFFORD, ANTON G., US

[72] LIU, GREGORY, US

[72] MORRIS, JOHN H., US

[72] MAKOWER, JOSHUA, US

[72] FACTEAU, WILLIAM M., US

[72] GOLDFARB, ERIC, US

[72] CHANG, JOHN Y., US

[72] SHAHOIAN, ERIK JAMES, US

[73] TUSKER MEDICAL, INC., US

[86] (2925902)

[87] (2925902)

[22] 2008-04-18

[62] 2,684,469

[30] US (60/912,902) 2007-04-19

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[11] **2,926,072**  
[13] C

[51] **Int.Cl. F02C 7/22 (2006.01) F02C 7/232 (2006.01) F23R 3/28 (2006.01)**

[25] EN

[54] **THERMALLY-COUPLED FUEL MANIFOLD**

[54] **COLLECTEUR DE CARBURANT A COUPLAGE THERMIQUE**

[72] WOLFE, JARED MATTHEW, US

[73] GENERAL ELECTRIC COMPANY, US

[86] (2926072)

[87] (2926072)

[22] 2016-04-07

[30] US (14/685,631) 2015-04-14

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[11] **2,926,115**  
[13] C

[51] **Int.Cl. A61K 31/721 (2006.01) A61K 33/30 (2006.01) A61P 17/02 (2006.01)**

[25] EN

[54] **ANTI-INFLAMMATORY COMPOSITION FOR AIDING AND PROMOTING HEALING OF CHRONIC ULCERATIVE LESIONS**

[54] **COMPOSITION ANTI-INFLAMMATOIRE POUR COADJUIVER ET FAVORISER LE PROCESSUS DE CICATRISATION DE LESIONS ULCEREUSES CHRONIQUES**

[72] CUETO GARCIA, JORGE, MX

[73] PEBISUT DE MEXICO S.A. DE C.V., MX

[85] 2016-03-31

[86] 2014-10-01 (PCT/MX2014/000152)

[87] (WO2015/050425)

[30] MX (MX/a/2013/011471) 2013-10-02

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[11] **2,926,481**  
[13] C

[51] **Int.Cl. A61K 33/32 (2006.01) A61K 31/7072 (2006.01) A61K 31/7076 (2006.01) A61K 31/708 (2006.01) A61K 35/74 (2015.01) A61P 39/06 (2006.01) C07H 19/16 (2006.01) C12N 1/20 (2006.01)**

[25] EN

[54] **COMPOSITIONS CONTAINING NUCLEOSIDES AND MANGANESE AND THEIR USES**

[54] **COMPOSITIONS CONTENANT DES NUCLEOSIDES ET DU MANGANESE ET UTILISATION DE CELLES-CI**

[72] DALY, MICHAEL J., US

[72] GAIDAMAKOVA, ELENA K., US

[72] MATROSOVA, VERA K., US

[72] LEVINE, RODNEY L., US

[72] WEHR, NANCY B., US

[73] THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, INC., US

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

[86] (2926481)

[87] (2926481)

[22] 2008-08-18

[62] 2,695,950

[30] US (60/935,494) 2007-08-16

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[11] **2,926,498**  
[13] C

[51] **Int.Cl. A47B 61/04 (2006.01) A47F 7/08 (2006.01)**  
[25] EN  
[54] **ADJUSTABLE SHOE RACK SUPPORT A CHAUSSURE CHANGEABLE**  
[72] CHIANG, CHUN-YI, TW  
[72] CHIANG, CHUN-HSIEN, TW  
[73] CHIANG, CHUN-YI, TW  
[73] CHIANG, CHUN-HSIEN, TW  
[86] (2926498)  
[87] (2926498)  
[22] 2016-04-08

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[11] **2,926,787**  
[13] C

[51] **Int.Cl. C09K 8/035 (2006.01) E21B 43/22 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR REDUCING TREATING PRESSURE OF CROSSLINKED CARBOXYMETHYL CELLULOSE-BASED FRACTURING FLUIDS**  
[54] **SYSTEMES ET PROCEDES PERMETTANT DE REDUIRE LA PRESSION DE TRAITEMENT DE FLUIDES DE FRACTURATION A BASE DE CARBOXYMETHYLCELLULOSE RETICULEE**  
[72] HU, YUNTAO THOMAS, US  
[72] RUSSELL, AARON GENE, US  
[72] HOLTSCLAW, JEREMY, US  
[72] SINGH, DIPTI, US  
[72] SCHNOOR, ELI ALLEN, US  
[72] DURBIN, DONALD V., US  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2016-04-07  
[86] 2013-11-11 (PCT/US2013/069482)  
[87] (WO2015/069298)

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[11] **2,926,986**  
[13] C

[51] **Int.Cl. G10L 19/008 (2013.01)**  
[25] EN  
[54] **METHOD FOR DECODING AND ENCODING A DOWNMIX MATRIX, METHOD FOR PRESENTING AUDIO CONTENT, ENCODER AND DECODER FOR A DOWNMIX MATRIX, AUDIO ENCODER AND AUDIO DECODER**  
[54] **PROCEDE DE DECODAGE ET D'ENCODAGE D'UNE MATRICE A REDUCTION PAR MIXAGE, PROCEDE DE PRESENTATION DE CONTENU AUDIO, ENCODEUR ET DECODEUR POUR UNE MATRICE A REDUCTION PAR MIXAGE, ENCODEUR AUDIO ET DECODEUR AUDIO**  
[72] GHIDO, FLORIN, DE  
[72] KUNTZ, ACHIM, DE  
[72] GRILL, BERNHARD, DE  
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE  
[85] 2016-04-11  
[86] 2014-10-13 (PCT/EP2014/071929)  
[87] (WO2015/058991)  
[30] EP (13189770.4) 2013-10-22

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[11] **2,927,190**  
[13] C

[51] **Int.Cl. H04R 1/30 (2006.01) H04R 27/00 (2006.01)**  
[25] EN  
[54] **ACOUSTIC COLLECTION SYSTEM FOR HANDHELD ELECTRONIC DEVICES**  
[54] **SYSTEME DE COLLECTE ACOUSTIQUE POUR DISPOSITIFS ELECTRONIQUES PORTABLES**  
[72] MULUMUDI, MAHESH S., US  
[72] MULUMUDI, SUMAN K., US  
[73] STRATOSCIENTIFIC INC., US  
[85] 2016-04-12  
[86] 2014-10-14 (PCT/US2014/060493)  
[87] (WO2015/057712)  
[30] US (14/054,656) 2013-10-15

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[11] **2,927,268**  
[13] C

[51] **Int.Cl. F01D 9/02 (2006.01) F01D 25/28 (2006.01)**  
[25] EN  
[54] **METHODS FOR POSITIONING NEIGHBORING NOZZLES OF A GAS TURBINE ENGINE**  
[54] **METHODES DE POSITIONNEMENT DE BUSES VOISINES D'UN MOTEUR DE TURBINE A GAZ**  
[72] HEITMAN, BRYCE LORING, US  
[72] MURPHY, STEVEN JAMES, US  
[72] SENILE, DARRELL GLENN, US  
[73] GENERAL ELECTRIC COMPANY, US  
[86] (2927268)  
[87] (2927268)  
[22] 2016-04-14  
[30] US (14/692,818) 2015-04-22

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[11] **2,927,589**  
[13] C

[51] **Int.Cl. B65B 7/28 (2006.01)**  
[25] EN  
[54] **METHOD FOR FILLING, SEAMING, DISTRIBUTING AND SELLING A BEVERAGE IN A METALLIC CONTAINER AT A SINGLE LOCATION**  
[54] **PROCEDE DE REMPLISSAGE, DE SOUDURE, DE DISTRIBUTION ET DE VENTE D'UNE BOISSON DANS UN RECIPIENT METALLIQUE EN UN SEUL LIEU**  
[72] BILLINGS, JAMES W., US  
[73] BALL CORPORATION, US  
[85] 2016-04-14  
[86] 2014-10-09 (PCT/US2014/059832)  
[87] (WO2015/065673)  
[30] US (61/896,516) 2013-10-28  
[30] US (14/297,163) 2014-06-05

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[11] **2,927,882**  
[13] C

[51] **Int.Cl. F04D 29/00 (2006.01) F04D 13/08 (2006.01) F04D 29/06 (2006.01) H02K 7/14 (2006.01)**

[25] EN

[54] **FLEXIBLE HOSE FOR BELLOWS PRESSURE EQUALIZER OF ELECTRICAL SUBMERSIBLE WELL PUMP**

[54] **TUYAU FLEXIBLE DESTINE A UN EGALISATEUR DE PRESSION A SOUFFLETS D'UNE POMPE DE PUIITS SUBMERSIBLE ELECTRIQUE**

[72] PYRON, STEVEN W., US  
[72] MCKINNEY, KELSEY A, US  
[72] PATTERSON, ROBERT CLAY, US  
[72] BIERIG, KEVIN R., US  
[73] BAKER HUGHES INCORPORATED, US

[86] (2927882)  
[87] (2927882)  
[22] 2016-04-21  
[30] US (62/151661) 2015-04-23

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[11] **2,928,070**  
[13] C

[51] **Int.Cl. A61L 27/34 (2006.01)**

[25] EN

[54] **PARTICULATE ALLOPLASTIC BONE REPLACEMENT MATERIAL AND METHOD FOR PRODUCING A FREE-FORMED POROUS BODY**

[54] **MATERIAU DE REMPLACEMENT ALLOPLASTIQUE PARTICULAIRE ET METHODE DE PRODUCTION D'UN CORPS POREUX A FORME LIBRE**

[72] VOGT, SEBASTIAN, DE  
[73] HERAEUS MEDICAL GMBH, DE

[86] (2928070)  
[87] (2928070)  
[22] 2016-04-25  
[30] DE (10 2015 107 600.4) 2015-05-13

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[11] **2,928,191**  
[13] C

[51] **Int.Cl. H04W 4/021 (2018.01)**

[25] EN

[54] **LOCATION BASED INFORMATION SERVICE APPLICATION**

[54] **APPLICATION DE SERVICE D'INFORMATION FONDEE SUR L'EMPLACEMENT**

[72] LABRIE, MARTIN, CA  
[73] LABRIE, MARTIN, CA

[86] (2928191)  
[87] (2928191)  
[22] 2016-04-28  
[30] US (62/155,817) 2015-05-01

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[11] **2,928,634**  
[13] C

[51] **Int.Cl. E21B 17/03 (2006.01) E21B 19/16 (2006.01) E21B 23/00 (2006.01)**

[25] EN

[54] **LINER HANGER SETTING TOOL AND METHOD FOR USE OF SAME**

[54] **OUTIL DE MISE EN PLACE DE DISPOSITIF DE SUSPENSION DE CREPINE ET SON PROCEDE D'UTILISATION**

[72] JACKSON, ALAN TANCEL, US  
[72] GHARESI, ABDOLREZA, US  
[72] CRAMP, STEVEN JOHN, NO  
[72] HUMPHREY, RYAN THOMAS, US  
[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2016-04-25  
[86] 2013-12-05 (PCT/US2013/073220)  
[87] (WO2015/084355)

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[11] **\*2,928,800**  
[13] C

[51] **Int.Cl. F24F 13/02 (2006.01)**

[25] EN

[54] **FLANGE CORNER CLIP**

[54] **PINCE DE COIN DE BRIDE**

[72] MUTZENEEK, JAMES, CA  
[73] MUTZENEEK, JAMES, CA

[86] (2928800)  
[87] (2928800)  
[22] 2016-05-04  
[30] US (62/156,590) 2015-05-04

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[11] **2,928,803**  
[13] C

[51] **Int.Cl. B65H 3/06 (2006.01) B65H 1/06 (2006.01) B65H 3/04 (2006.01) B65H 3/30 (2006.01) B65H 3/54 (2006.01)**

[25] EN

[54] **PLACEMENT STATION FOR PLACING FLAT ITEMS AND FEEDING THEM TO A SINGULARIZATION STATION AND METHOD**

[54] **POSTE DE POSITIONNEMENT SERVANT A PLACER DES ARTICLES PLATS ET A LES TRANSPORTER VERS UN POSTE DE SINGULARISATION, ET METHODE**

[72] ORTMANN, AXEL, DE  
[72] MUHL, WOLFGANG, DE  
[73] FRANCO TYP-POSTALIA GMBH, DE

[86] (2928803)  
[87] (2928803)  
[22] 2016-05-04  
[30] DE (20 2015 102 333.2) 2015-05-07  
[30] DE (20 2016 101 920.6) 2016-04-12  
[30] DE (20 2016 102 202.9) 2016-04-26

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[11] **2,928,979**  
[13] C

[51] **Int.Cl. F01D 25/16 (2006.01) F01D 25/24 (2006.01) F01D 25/28 (2006.01) F02C 7/06 (2006.01)**

[25] EN

[54] **SYSTEM FOR SUPPORTING ROTOR SHAFTS OF AN INDIRECT DRIVE TURBOFAN ENGINE**

[54] **SYSTEME DE SUPPORT D'ARBRES DE ROTOR D'UN MOTEUR DE TURBO A ENTRAINEMENT DIRECT**

[72] GLYNN, CHRISTOPHER CHARLES, US  
[72] KUHNE, CRAIG MILLER, US  
[72] MILLER, BRANDON WAYNE, US  
[72] ZATORSKI, DAREK TOMASZ, US  
[73] GENERAL ELECTRIC COMPANY, US

[86] (2928979)  
[87] (2928979)  
[22] 2016-05-05  
[30] US (14/711,047) 2015-05-13

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[11] **2,930,100**  
[13] C

[51] **Int.Cl. A61B 5/1495 (2006.01) A61B 5/1473 (2006.01)**  
[25] EN  
[54] **METHODS AND SYSTEMS FOR DETECTING THE HYDRATION OF SENSORS**  
[54] **PROCEDES ET SYSTEMES POUR DETECTER L'HYDRATATION DE CAPTEURS**  
[72] SHAH, RAJIV, US  
[72] MORGAN, WAYNE A., US  
[72] CHOY, DAVID Y., US  
[72] HENKE, JAMES L., US  
[72] REGHABI, BAHAR, US  
[72] SOUNDARARAJAN, GOPIKRISHNAN, US  
[72] SCHULTZ, PETER, US  
[72] HOSS, UDO, US  
[73] MEDTRONIC MINIMED, INC., US  
[86] (2930100)  
[87] (2930100)  
[22] 2006-12-21  
[62] 2,847,273  
[30] US (11/323242) 2005-12-30

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[11] **2,930,137**  
[13] C

[51] **Int.Cl. F16B 2/00 (2006.01)**  
[25] EN  
[54] **CABLE TIE HEAD**  
[54] **TETE D'ATTACHE DE CABLE**  
[72] DRANE, MARK R., US  
[72] GAO, YAN, US  
[72] NORWOOD, BOBBY N., US  
[72] DINH, CONG T., US  
[73] THOMAS & BETTS INTERNATIONAL, LLC, US  
[86] (2930137)  
[87] (2930137)  
[22] 2013-04-04  
[62] 2,811,505  
[30] US (61/644,079) 2012-05-08  
[30] US (13/790,452) 2013-03-08

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[11] **2,930,183**  
[13] C

[51] **Int.Cl. E21B 43/26 (2006.01) E21B 43/22 (2006.01) E21B 43/27 (2006.01)**  
[25] EN  
[54] **LIQUID SLURRIES OF MICRON- AND NANO-SIZED SOLIDS FOR USE IN SUBTERRANEAN OPERATIONS**  
[54] **BOUILLIES LIQUIDES DE MATIERES SOLIDES DE DIMENSION MICROMETRIQUE ET NANOMETRIQUE EN VUE D'UNE UTILISATION DANS DES OPERATIONS SOUTERRAINES**  
[72] NGUYEN, PHILIP D., US  
[72] OGLE, JAMES WILLIAM, US  
[72] SPARKS, BRADLEY J., US  
[72] MOCK, BRIAN D., US  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2016-05-09  
[86] 2013-12-30 (PCT/US2013/078326)  
[87] (WO2015/102580)

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[11] **2,930,264**  
[13] C

[51] **Int.Cl. A01K 27/00 (2006.01) A01K 13/00 (2006.01) A61B 5/00 (2006.01) A61B 5/024 (2006.01) A61B 5/08 (2006.01) A61B 5/11 (2006.01)**  
[25] EN  
[54] **ANIMAL HEALTH AND WELLNESS MONITORING USING UWB RADAR**  
[54] **SURVEILLANCE DE LA SANTE ET DU BIEN-ETRE D'UN ANIMAL AU MOYEN D'UN RADAR UWB**  
[72] TUPIN, JOE PAUL, JR., US  
[72] COUSE, JOHN MICHAEL, US  
[73] I4C INNOVATIONS INC., US  
[85] 2016-05-10  
[86] 2014-05-09 (PCT/US2014/037518)  
[87] (WO2015/076866)  
[30] US (14/086,721) 2013-11-21

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[11] **2,930,936**  
[13] C

[51] **Int.Cl. H01H 73/06 (2006.01) H01R 13/713 (2006.01)**  
[25] EN  
[54] **INSULATIVE FIXING PLATE DAMAGED WHEN OVERHEATING AS WELL AS A PLUG AND A SOCKET USING THAT INSULATIVE FIXING PLATE**  
[54] **PLAQUE DE FIXATION ISOLANTE ENDOMMAGEE LORSQUE SURCHAUFFEE AINSI QUE BOUCHON ET DOUILLE COMPORTANT LADITE PLAQUE DE FIXATION ISOLANTE**  
[72] WANG, CHUAN-SHENG, TW  
[73] ATOM TECHNOLOGY INC., TW  
[85] 2016-05-25  
[86] 2015-04-14 (PCT/CN2015/076561)  
[87] (WO2016/165073)

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[11] **2,931,262**  
[13] C

[51] **Int.Cl. F24F 13/02 (2006.01) F16L 11/02 (2006.01)**  
[25] EN  
[54] **PLIABLE-WALL AIR DUCTS WITH INTERNAL EXPANDING STRUCTURES**  
[54] **CONDUITS D'AIR A PAROI SOUPLE COMPORTANT DES STRUCTURES A EXPANSION INTERNE**  
[72] PINKALLA, CARY, US  
[72] HEIM, FRANK, US  
[72] GEBKE, KEVIN J., US  
[72] KAUFMAN, NICHOLAS L., US  
[72] NIEHAUS, WILLIAM A., US  
[73] RITE-HITE HOLDING CORPORATION, US  
[86] (2931262)  
[87] (2931262)  
[22] 2011-11-03  
[62] 2,818,114  
[30] US (12/950,511) 2010-11-19

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[11] **2,931,378**  
[13] C

[51] **Int.Cl. H04W 8/18 (2009.01) H04W 4/08 (2009.01) H04W 60/00 (2009.01) H04W 84/08 (2009.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR ENABLING ROAMING RADIOS TO OPERATE IN DIFFERENT SYSTEMS DURING AN INCIDENT EVENT**

[54] **APPAREIL ET PROCÉDÉ POUR PERMETTRE À DES RADIOS ITINÉRANTES DE FONCTIONNER DANS DIFFÉRENTS SYSTÈMES AU COURS D'UN ÉVÉNEMENT D'INCIDENT**

[72] OO, MYO TUN, US

[73] MOTOROLA SOLUTIONS, INC., US

[85] 2016-05-20

[86] 2014-11-10 (PCT/US2014/064778)

[87] (WO2015/077069)

[30] US (14/085,163) 2013-11-20

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[11] **2,931,539**  
[13] C

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

[25] EN

[54] **BLENDING CONTROL COMPRISING DETERMINING THE HARDNESS OF UNTREATED WATER BY MEANS OF THE CONDUCTIVITY OF SOFT WATER AND BLENDED WATER**

[54] **CONTROLE DE MELANGE COMPORTANT LA DETERMINATION DE LA DURETE DE L'EAU À PARTIR DE LA CONDUCTIVITE DE L'EAU DOUCE ET DE L'EAU MELANGÉE**

[72] DOPSLAFF, HARTMUT, DE

[72] DOPSLAFF, CARSTEN H., DE

[73] JUDO WASSERAUFBEREITUNG GMBH, DE

[85] 2016-05-25

[86] 2013-12-17 (PCT/EP2013/076908)

[87] (WO2015/090366)

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[11] **2,931,699**  
[13] C

[51] **Int.Cl. F16J 15/26 (2006.01)**

[25] EN

[54] **SINGLE SEAL RING STUFFING BOX**

[54] **PRESSE-GARNITURE À ANNEAU D'ÉTANCHEITE UNIQUE**

[72] KOOP, LAURENTIUS GERARDUS MARIA, NL

[72] DUINEVELD, PETRUS NICOLAAS, NL

[73] HOWDEN THOMASSEN COMPRESSORS BV, NL

[85] 2016-05-26

[86] 2013-12-10 (PCT/EP2013/076141)

[87] (WO2015/086050)

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[11] **2,932,034**  
[13] C

[51] **Int.Cl. B26D 3/26 (2006.01) A23N 15/00 (2006.01)**

[25] EN

[54] **DOUBLE-EDGED KNIFE FOR FOOD CUTTING APPARATUS**

[54] **COUPEAU À DOUBLE TRANCHANT POUR APPAREIL DE COUPE D'ALIMENTS**

[72] JACKO, MICHAEL SCOT, US

[72] BRUCE, PAUL, GB

[73] URSCHEL LABORATORIES, INC., US

[85] 2016-05-27

[86] 2014-12-10 (PCT/US2014/069502)

[87] (WO2015/089160)

[30] US (61/914,031) 2013-12-10

[30] US (14/565,011) 2014-12-09

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[11] **2,932,360**  
[13] C

[51] **Int.Cl. F24S 80/30 (2018.01) F24S 10/30 (2018.01) F24S 60/30 (2018.01) F28D 7/12 (2006.01) F28D 15/00 (2006.01) F28F 9/00 (2006.01)**

[25] EN

[54] **IMPROVEMENTS IN OR RELATING TO HEATING AND COOLING SYSTEMS**

[54] **AMÉLIORATIONS APPORTÉES OU SE RAPPORTANT À DES SYSTÈMES DE CHAUFFAGE ET DE REFROIDISSEMENT**

[72] SPEAKE, STUART, GB

[73] SOLTROPY LIMITED, GB

[85] 2016-06-01

[86] 2014-01-17 (PCT/GB2014/050136)

[87] (WO2014/111726)

[30] GB (1300962.6) 2013-01-18

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[11] **2,932,470**  
[13] C

[51] **Int.Cl. B62D 35/00 (2006.01) B62D 37/02 (2006.01)**

[25] EN

[54] **REAR SPOILER DEVICE FOR A VEHICLE**

[54] **SYSTÈME DE BECQUET ARRIÈRE POUR VÉHICULE**

[72] DIECKMANN, THOMAS, DE

[72] VAN RAEMDONCK, GANDERT MARCEL RITA, NL

[72] ZIELKE, FRANK, DE

[73] WABCO EUROPE BVBA, BE

[85] 2016-06-02

[86] 2014-11-28 (PCT/EP2014/003193)

[87] (WO2015/086120)

[30] DE (10 2013 020 886.6) 2013-12-11

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[11] **2,932,735**  
[13] C

[51] **Int.Cl. F02N 19/10 (2010.01) B60K 11/02 (2006.01) F01P 11/00 (2006.01) F24H 9/20 (2006.01)**

[25] EN

[54] **ELECTRICALLY OPERATED HEATER FOR HEATING A HEAT TRANSPORT LIQUID**

[54] **APPAREIL DE CHAUFFAGE FONCTIONNANT À L'ÉLECTRICITÉ SERVANT À CHAUFFER UN LIQUIDE CALOPORTEUR**

[72] ARVIDSSON, SVANTE, SE

[72] ERIKSSON, FREDRIK J., SE

[72] HERMANSSON, PATRIK, SE

[73] EBERSPACHER AB, SE

[86] (2932735)

[87] (2932735)

[22] 2016-06-09

[30] EP (15171423.5) 2015-06-10

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**Canadian Patents Issued  
June 12, 2018**

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[11] **2,932,738**  
[13] C

[51] **Int.Cl. B60R 16/03 (2006.01) B60K 11/02 (2006.01) B60R 16/033 (2006.01) F24H 9/20 (2006.01)**

[25] EN

[54] **ELECTRICALLY OPERATED HEATER FOR HEATING A HEAT TRANSPORT LIQUID**

[54] **APPAREIL DE CHAUFFAGE FONCTIONNANT A L'ELECTRICITE SERVANT A CHAUFFER UN LIQUIDE CALOPORTEUR**

[72] ARVIDSSON, SVANTE, SE  
[72] ERIKSSON, FREDRIK J., SE  
[72] HERMANSSON, PATRIK, SE  
[73] EBERSPACHER AB, SE  
[86] (2932738)  
[87] (2932738)  
[22] 2016-06-09  
[30] EP (15171417.7) 2015-06-10

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[11] **2,932,835**  
[13] C

[51] **Int.Cl. C10G 1/04 (2006.01) C10C 3/08 (2006.01)**

[25] EN

[54] **PROCESS FOR RECOVERING BITUMEN FROM FROTH TREATMENT TAILINGS**

[54] **PROCEDE DE RECUPERATION DE BITUME A PARTIR DE RESIDUS DE TRAITEMENT DE MOUSSE**

[72] MORAN, KEVIN, CA  
[73] TITANIUM CORPORATION INC., CA  
[86] (2932835)  
[87] (2932835)  
[22] 2016-06-13  
[30] US (62/337,996) 2016-05-18

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[11] **2,933,130**  
[13] C

[51] **Int.Cl. G06Q 20/38 (2012.01) G06Q 20/40 (2012.01) G06Q 30/06 (2012.01) H04L 9/18 (2006.01)**

[25] EN

[54] **TRANSACTIONAL SECURITY OVER A NETWORK**

[54] **SECURITE DES TRANSACTIONS SUR UN RESEAU**

[72] CARROTT, RICHARD F., US  
[73] BENEDOR CORPORATION, US  
[86] (2933130)  
[87] (2933130)  
[22] 2007-09-04  
[62] 2,690,529  
[30] US (11/844,408) 2007-08-24

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[11] **2,933,142**  
[13] C

[51] **Int.Cl. F16D 3/16 (2006.01)**

[25] EN

[54] **JOINT YOKE FOR A UNIVERSAL JOINT AND UNIVERSAL JOINT**

[54] **COLLET DE JOINT DESTINE A UN JOINT UNIVERSEL ET JOINT UNIVERSEL**

[72] ERLMANN, NIKOLAUS MARTIN, DE  
[73] SPICER GELENKWELLENBAU GMBH, DE  
[86] (2933142)  
[87] (2933142)  
[22] 2016-06-15  
[30] DE (10 2015 109546.7) 2015-06-15

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[11] **2,933,487**  
[13] C

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

[25] EN

[54] **FAR-FIELD DIVERSION WITH PULSED PROPPANT IN SUBTERRANEAN FRACTURING OPERATIONS**

[54] **DERIVATION DE CHAMP LOINTAIN AVEC AGENT DE SOUTENEMENT PULSE DANS DES OPERATIONS DE FRACTURATION SOUTERRAINE**

[72] BRYANT, JASON E., US  
[72] WELTON, THOMAS DONOVAN, US  
[72] INYANG, UBONG, US  
[72] BUTLER, JEREMY, US  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2016-06-10  
[86] 2014-03-06 (PCT/US2014/021121)  
[87] (WO2015/134022)

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[11] **2,934,007**  
[13] C

[51] **Int.Cl. A61K 8/34 (2006.01) A61K 8/02 (2006.01) A61K 8/44 (2006.01) A61K 8/67 (2006.01) A61K 8/86 (2006.01) A61Q 19/10 (2006.01)**

[25] EN

[54] **PRE-MOISTENED WIPES FOR USE IN TREATING ANAL-RECTAL IRRITATIONS AND DISORDERS**

[54] **LINGETTES PREHUMIDIFIEES POUR LE TRAITEMENT DES IRRITATIONS ET DES TROUBLES ANO-RECTAUX**

[72] AGISIM, GARY ROBERT, US  
[72] FRIEDLINE, ROBERT ALAN, US  
[72] KENNY, RICHARD JOHN, US  
[73] PFIZER INC., US  
[85] 2016-06-15  
[86] 2014-12-08 (PCT/IB2014/066698)  
[87] (WO2015/092609)  
[30] US (61/919,123) 2013-12-20

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[11] **2,934,533**  
[13] C

[51] **Int.Cl. G01N 30/26 (2006.01) G01N 30/38 (2006.01)**

[25] EN

[54] **SPIN COLUMNS COMPRISING POLY(ACID) MEMBRANE SEPARATION MATRICES, AND METHODS OF MAKING AND USING THE SAME**

[54] **COLONNES DE SPIN COMPRENANT DES MATRICES DE SEPARATION DE MEMBRANES DE POLYACIDE, ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**

[72] JOKHADZE, GEORGE G., US  
[72] MITRA, SAYANTAN, US  
[73] TAKARA BIO USA, INC., US  
[85] 2016-06-17  
[86] 2014-12-23 (PCT/US2014/072295)  
[87] (WO2015/126523)  
[30] US (61/943,174) 2014-02-21  
[30] US (62/007,798) 2014-06-04

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12 juin 2018**

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[11] **2,934,782**  
[13] C

[51] **Int.Cl. G01H 9/00 (2006.01) G01D 5/26 (2006.01) G01F 1/66 (2006.01) G01M 3/24 (2006.01) G01N 29/36 (2006.01) G01V 8/10 (2006.01) G01V 9/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR MULTIPLE-CODE CONTINUOUS-WAVE DISTRIBUTED ACOUSTIC SENSING**

[54] **SYSTEMES ET PROCEDES POUR LA DETECTION ACOUSTIQUE DISTRIBUEE A ONDES CONTINUES A CODES MULTIPLES**

[72] NUNES, LEONARDO DE OLIVEIRA, BR

[72] STOKELY, CHRISTOPHER LEE, US

[73] HALLIBURTON ENERGY SERVICES, INC, US

[85] 2016-06-21

[86] 2014-01-21 (PCT/US2014/012284)

[87] (WO2015/112116)

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[11] **2,935,045**  
[13] C

[51] **Int.Cl. F16D 65/12 (2006.01) F16D 65/84 (2006.01)**

[25] EN

[54] **VEHICLE BRAKE ROTOR AND METHOD OF MAKING SAME**

[54] **ROTOR DE FREIN DE VEHICULE ET PROCEDE DE FABRICATION ASSOCIE**

[72] ZHOU, MINGXU, US

[72] CALAGO, EDGAR, US

[73] GRI ENGINEERING & DEVELOPMENT, LLC, US

[86] (2935045)

[87] (2935045)

[22] 2016-07-04

[30] US (14/817,833) 2015-08-04

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[11] **2,935,730**  
[13] C

[51] **Int.Cl. A47F 7/024 (2006.01) E05B 73/00 (2006.01) F16M 11/04 (2006.01) G06F 1/16 (2006.01) G08B 13/02 (2006.01)**

[25] EN

[54] **DISPLAY SYSTEMS AND METHODS**

[54] **SYSTEMES ET PROCEDES DE PRESENTATION**

[72] YANG, SHENG, US

[72] SCHWALBACH, CHARLES A., US

[72] HEIRAKUJI, RUSSELL JOHN KAAIHUE, US

[72] MARASCO, CARLY LYNN, US

[73] APPLE INC., US

[85] 2016-06-30

[86] 2015-01-22 (PCT/US2015/012467)

[87] (WO2015/112721)

[30] US (61/996,963) 2014-01-24

[30] US (62/068,581) 2014-10-24

[30] US (14/600,607) 2015-01-20

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[11] **2,936,368**  
[13] C

[51] **Int.Cl. A62C 35/60 (2006.01) A62C 35/64 (2006.01) A62C 35/68 (2006.01) A62D 1/00 (2006.01)**

[25] EN

[54] **ANTIFREEZE SPRINKLER SYSTEM**

[54] **SYSTEME DE SPRINKLEURS ANTIGEL**

[72] BOSMA, MICHAEL J., US

[73] THE VIKING CORPORATION, US

[85] 2016-07-08

[86] 2014-11-05 (PCT/US2014/064075)

[87] (WO2015/142387)

[30] US (61/955,381) 2014-03-19

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[11] **2,936,404**  
[13] C

[51] **Int.Cl. G06T 15/08 (2011.01) G06T 17/05 (2011.01) G01V 1/28 (2006.01)**

[25] EN

[54] **VOLUME BODY RENDERER**

[54] **UNITE DE RENDU DE CORPS VOLUMIQUES**

[72] CALLEGARI, ANDRES C., US

[73] LANDMARK GRAPHICS CORPORATION, A HALLIBURTON COMPANY, US

[86] (2936404)

[87] (2936404)

[22] 2002-04-17

[62] 2,834,997

[30] US (60/284,716) 2001-04-18

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[11] **2,936,457**  
[13] C

[51] **Int.Cl. F16H 63/02 (2006.01) F16H 61/26 (2006.01)**

[25] EN

[54] **LINEAR GEAR SHIFT MECHANISM**

[54] **MECANISME DE CHANGEMENT DE VITESSE LINEAIRE**

[72] CHENG, HSIN-LIN, CN

[72] TENG, CHING-CHUNG, CN

[73] MOTIVE POWER INDUSTRY CO., LTD., CN

[86] (2936457)

[87] (2936457)

[22] 2016-07-19

[30] TW (104130862) 2015-09-18

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[11] **2,937,020**  
[13] C

[51] **Int.Cl. F21S 2/00 (2016.01) F21K 9/00 (2016.01) F21V 23/00 (2015.01) H05B 37/00 (2006.01)**

[25] EN

[54] **MODULAR LIGHT-EMITTING DIODE FIXTURES**

[54] **APPAREILS MODULAIRES D'ECLAIRAGE A DIODE ELECTROLUMINESCENTE**

[72] RODRIGUEZ, YAN, US

[72] HARRIS, THOMAS EDWARD, US

[72] MARQUES, ANTONIO, US

[73] ABL IP HOLDING LLC, US

[86] (2937020)

[87] (2937020)

[22] 2016-07-22

[30] US (62/246,937) 2015-10-27

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[11] **2,937,149**  
[13] C

[51] **Int.Cl. A47F 3/04 (2006.01) A47F 3/12 (2006.01) E05F 5/06 (2006.01)**

[25] EN

[54] **MERCHANDISER INCLUDING POWER-GENERATING THERMAL RECOVERY SYSTEM**

[54] **PRESENTOIR COMPRENANT UN SYSTEME DE RECUPERATION THERMIQUE GENERATEUR D'ENERGIE**

[72] TWOHY, RAYMOND P., US

[73] HUSSMANN CORPORATION, US

[85] 2016-07-15

[86] 2015-01-02 (PCT/US2015/010024)

[87] (WO2015/116346)

[30] US (14/168,996) 2014-01-30

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June 12, 2018**

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[11] **2,937,468**  
[13] C

[51] **Int.Cl. F16H 33/02 (2006.01) A63B 21/22 (2006.01) A63B 22/06 (2006.01) A63B 22/16 (2006.01) A63B 69/16 (2006.01) B62M 11/00 (2006.01) F16H 1/28 (2006.01) F16H 57/08 (2006.01)**

[25] EN

[54] **EXERCISE CYCLE WITH PLANETARY GEAR SYSTEM AND ROLLING RECOILED LATERAL MOTION SYSTEM**

[54] **VELO D'EXERCICE AVEC SYSTEME A PIGNONS PLANETAIRES ET SYSTEME DE MOUVEMENT LATERAL ROULANT A DETENTE**

[72] VUJICIC, MARKO, US

[73] SHINN FU CORPORATION, TW

[86] (2937468)

[87] (2937468)

[22] 2011-05-12

[62] 2,799,334

[30] US (61/334,396) 2010-05-13

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[11] **2,937,724**  
[13] C

[51] **Int.Cl. F16L 11/20 (2006.01) F16L 11/02 (2006.01) F16L 11/12 (2006.01)**

[25] EN

[54] **ANNULAR-PLEATED CIRCULAR BRAID**

[54] **TRESSE CIRCULAIRE A PLIS ANNULAIRES**

[72] RAGNER, GARY DEAN, US

[73] RAGNER TECHNOLOGY CORPORATION, US

[86] (2937724)

[87] (2937724)

[22] 2016-08-02

[30] US (14/831313) 2015-08-20

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[11] **2,938,136**  
[13] C

[51] **Int.Cl. E21B 33/127 (2006.01) E21B 33/12 (2006.01)**

[25] EN

[54] **CABLE WRAPPED INFLATABLE PACKER ELEMENT**

[54] **ELEMENT DE GARNITURE GONFLABLE A ENROULEMENT DE CABLES**

[72] FREEMAN, DAVID, US

[72] KELLEY, CALEB, US

[73] TAM INTERNATIONAL, INC., US

[85] 2016-07-28

[86] 2015-02-24 (PCT/US2015/017325)

[87] (WO2015/127452)

[30] US (61/943,771) 2014-02-24

[30] US (14/630,240) 2015-02-24

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[11] **2,938,329**  
[13] C

[51] **Int.Cl. E06B 3/04 (2006.01)**

[25] EN

[54] **ARCHITECTURAL MANUFACTURES, APPARATUS AND METHODS USING ADDITIVE MANUFACTURING TECHNIQUES**

[54] **INSTALLATIONS DE FABRICATION ARCHITECTURALE, APPAREIL ET METHODES EMPLOYANT DES TECHNIQUES DE FABRICATION ADDITIVE**

[72] HOOPER, WILLIAM J., JR., US

[72] TUMINELLA, JOSHUA, US

[72] BARBULESCU, ION-HORATIU, US

[72] MILLER, MATTHEW M., US

[72] MCDANIEL, KYLE A., US

[73] ARCONIC INC., US

[86] (2938329)

[87] (2938329)

[22] 2016-08-08

[30] US (62/202,605) 2015-08-07

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[11] **2,938,905**  
[13] C

[51] **Int.Cl. F04D 13/08 (2006.01) F04D 13/10 (2006.01) F04D 29/00 (2006.01)**

[25] EN

[54] **LANDFILL WELL LIQUID LEVEL CONTROL PUMP**

[54] **POMPE DE REGULATION DE NIVEAU DE LIQUIDE DE Puits DE DECHARGE**

[72] RAMIREZ, ANTONIO U., US

[72] SIMPSON, DAVID D., US

[73] Q.E.D. ENVIRONMENTAL SYSTEMS, INC., US

[85] 2016-08-04

[86] 2015-02-16 (PCT/US2015/016040)

[87] (WO2015/123633)

[30] US (61/940,691) 2014-02-17

[30] US (62/045,218) 2014-09-03

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[11] **2,938,918**  
[13] C

[51] **Int.Cl. H04W 12/06 (2009.01)**

[25] EN

[54] **GSM A3/A8 AUTHENTICATION IN AN IMS NETWORK**

[54] **AUTHENTIFICATION GSM A3/A8 DANS UN RESEAU IMS**

[72] WALLIS, MICHAEL BRETT, US

[73] MAVENIR SYSTEMS, INC., US

[85] 2016-08-05

[86] 2015-04-10 (PCT/US2015/025478)

[87] (WO2015/160674)

[30] US (61/980,741) 2014-04-17



**Brevets canadiens délivrés  
12 juin 2018**

[11] **2,940,079**  
[13] C

- [51] **Int.Cl. G01B 11/245 (2006.01) H04N 5/345 (2011.01) G01B 11/25 (2006.01) H01L 27/146 (2006.01)**
- [25] EN
- [54] **IMAGE SENSING DEVICE AND MEASURING SYSTEM FOR PROVIDING IMAGE DATA AND INFORMATION ON 3D-CHARACTERISTICS OF AN OBJECT**
- [54] **DISPOSITIF DE DETECTION D'IMAGE ET SYSTEME DE MESURE PERMETTANT DE FOURNIR DES DONNEES D'IMAGE ET DES INFORMATIONS SUR LES CARACTERISTIQUES 3D D'UN OBJET**
- [72] JOHANNESSON, MATTIAS, SE
- [73] SICK IVP AB, SE
- [85] 2016-08-18
- [86] 2014-03-05 (PCT/EP2014/054284)
- [87] (WO2015/131944)

[11] **2,941,089**  
[13] C

- [51] **Int.Cl. A61M 39/02 (2006.01)**
- [25] EN
- [54] **DEVICE FOR VASCULAR AND PERITONEAL ACCESS AND A DEVICE FOR HEMODIALYSIS**
- [54] **DISPOSITIF POUR ACCES PERITONEAL ET VASCULAIRE ET DISPOSITIF D'HEMODIALYSE**
- [72] LUNDGREN, DAN, SE
- [72] NYMAN, RICKARD, SE
- [72] ANKARBRANTH, MORGAN, SE
- [73] TRANSCUTAN AB, SE
- [85] 2016-08-26
- [86] 2015-03-10 (PCT/SE2015/000014)
- [87] (WO2015/137859)
- [30] SE (1400131-7) 2014-03-11

[11] **2,941,283**  
[13] C

- [51] **Int.Cl. H03M 99/00 (2006.01) H04N 21/242 (2011.01) H03K 19/177 (2006.01) H03M 9/00 (2006.01)**
- [25] EN
- [54] **DATA ALIGNMENT IMPLEMENTED IN A FIELD PROGRAMMABLE GATE ARRAY (FPGA) DEVICE**
- [54] **ALIGNEMENT DE DONNEES MIS EN PLACE DANS UN DISPOSITIF DE MATRICE PREDIFFUSEE PROGRAMMABLE PAR L'UTILISATEUR (FPGA)**
- [72] KANETA, SCOTT RAYMOND, US
- [72] WILLIAMS, CHRISTOPHER JASON, US
- [72] AMBROSE, DESMOND LESLIE, CA
- [73] ROSS VIDEO LIMITED, CA
- [86] (2941283)
- [87] (2941283)
- [22] 2016-09-08
- [30] US (62/215,690) 2015-09-08

[11] **2,941,287**  
[13] C

- [51] **Int.Cl. H02K 1/12 (2006.01) H02K 1/16 (2006.01)**
- [25] EN
- [54] **ROTARY ELECTRIC MACHINE AND STATOR OF ROTARY ELECTRIC MACHINE**
- [54] **MACHINE ELECTRIQUE ROTATIVE ET STATOR DE MACHINE ELECTRIQUE ROTATIVE**
- [72] NODA, KEN, JP
- [72] HATTORI, HIROYUKI, JP
- [73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
- [86] (2941287)
- [87] (2941287)
- [22] 2016-09-08
- [30] JP (2015-184086) 2015-09-17

[11] **2,941,485**  
[13] C

- [51] **Int.Cl. C07K 5/062 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01) C07K 16/00 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01)**
- [25] EN
- [54] **PYRROLOBENZODIAZEPINES AND CONJUGATES THEREOF**
- [54] **PYRROLOBENZODIAZEPINES ET LEURS CONJUGUES**
- [72] HOWARD, PHILIP WILSON, GB
- [73] MEDIMMUNE LIMITED, GB
- [86] (2941485)
- [87] (2941485)
- [22] 2013-10-11
- [62] 2,885,340
- [30] US (61/712,928) 2012-10-12

[11] **2,941,600**  
[13] C

- [51] **Int.Cl. B65G 47/14 (2006.01)**
- [25] EN
- [54] **SHIFT AND HOLD CONVEYOR ASSEMBLY FOR REMOVAL OF OVERSIZE PARCELS**
- [54] **ENSEMBLE DE TRANSPORT DE DEPLACEMENT ET DE RETENUE POUR LE RETRAIT DE COLIS SURDIMENSIONNES**
- [72] SCHROADER, STEVEN VANN, US
- [73] FIVES INTRALOGISTICS CORP., US
- [85] 2016-09-02
- [86] 2015-03-03 (PCT/US2015/000034)
- [87] (WO2015/134109)
- [30] US (61/966,724) 2014-03-03

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[11] **2,944,225**  
[13] C

[51] **Int.Cl. A01N 59/00 (2006.01) A01N 37/16 (2006.01) A01P 1/00 (2006.01) A61K 8/22 (2006.01) A61K 33/40 (2006.01) A61L 2/18 (2006.01)**

[25] EN

[54] **PROCESS FOR DECONTAMINATING OR STERILIZING AN ARTICLE**

[54] **PROCEDE DE DECONTAMINATION OU DE STERILISATION D'UN ARTICLE AVEC UNE COMPOSITION CONTENANT UN PEROXYDE ET UN AGENT ANTIMICROBIEN**

[72] BURKE, PETER A., US  
[72] LEGGETT, MARK JAMES, GB  
[72] CENTANNI, MICHAEL A., US  
[73] AMERICAN STERILIZER COMPANY, US

[85] 2016-09-27  
[86] 2015-02-10 (PCT/US2015/015091)  
[87] (WO2015/167644)  
[30] US (14/262,840) 2014-04-28  
[30] US (14/525,497) 2014-10-28  
[30] US (14/537,958) 2014-11-11

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[11] **2,944,379**  
[13] C

[51] **Int.Cl. H01F 41/04 (2006.01)**

[25] EN

[54] **METHOD OF PRODUCING AN INDUCTION COMPONENT, AND INDUCTION COMPONENT**

[54] **METHODE DE PRODUCTION D'UN COMPOSANT D'INDUCTION, ET COMPOSANT D'INDUCTION**

[72] STARK, MARKUS, DE  
[72] RICHTER, KLAUS, DE  
[72] DEGEN, DORIAN, DE  
[73] WURTH ELEKTRONIK EISOS GMBH & CO. KG, DE

[85] 2016-09-29  
[86] 2015-03-30 (PCT/EP2015/056916)  
[87] (WO2015/161988)  
[30] DE (10 2014 207 635.8) 2014-04-23

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[11] **2,944,695**  
[13] C

[51] **Int.Cl. F28D 1/04 (2006.01) F25B 39/04 (2006.01) F28D 1/053 (2006.01)**

[25] EN

[54] **METHOD FOR EXCHANGING HEAT IN A VAPOR COMPRESSION HEAT TRANSFER SYSTEM AND A VAPOR COMPRESSION HEAT TRANSFER SYSTEM COMPRISING AN INTERMEDIATE HEAT EXCHANGER WITH A DUAL-ROW EVAPORATOR OR CONDENSER**

[54] **PROCEDE POUR L'ECHANGE DE CHALEUR DANS UN SYSTEME DE TRANSFERT DE CHALEUR A COMPRESSION DE VAPEUR ET SYSTEME DE TRANSFERT DE CHALEUR A COMPRESSION DE VAPEUR COMPRENANT UN ECHANGEUR DE CHALEUR INTERMEDIAIRE EN ASSOCIATION AVEC UN EVAPORATEUR OU CONDENSEUR DOUBLE FLUX**

[72] CLODIC, DENIS, FR  
[72] RIACHI, YOUSSEF, FR  
[72] KOBAN, MARY, US  
[73] E.I. DU PONT DE NEMOURS AND COMPANY, US

[86] (2944695)  
[87] (2944695)  
[22] 2008-05-09  
[62] 2,682,312  
[30] US (60/928,826) 2007-05-11  
[30] US (60/988,562) 2007-11-16  
[30] US (PCT/US2007/025675) 2007-12-17

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[11] **2,945,229**  
[13] C

[51] **Int.Cl. A61G 17/06 (2006.01)**

[25] EN

[54] **EXPANDABLE BODY BAG**

[54] **HOUSSE MORTUAIRE EXTENSIBLE**

[72] LEHEURTEUX, CELINE C.L., CA  
[73] LEHEURTEUX, CELINE C.L., CA

[86] (2945229)  
[87] (2945229)  
[22] 2016-10-13  
[30] US (62/251,894) 2015-11-06

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[11] **2,945,853**  
[13] C

[51] **Int.Cl. C07D 251/22 (2006.01) A61K 31/53 (2006.01) A61P 1/00 (2006.01) A61P 5/00 (2006.01) A61P 9/00 (2006.01) A61P 25/06 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **5-HT2B ANTAGONISTS**

[54] **ANTAGONISTES DES 5-HT2B**

[72] HUANG, NIU, CN  
[72] ZHOU, YU, CN  
[72] LIN, XINGYU, CN  
[73] NATIONAL INSTITUTE OF BIOLOGICAL SCIENCES, BEIJING, CN

[85] 2016-10-14  
[86] 2015-04-08 (PCT/CN2015/076079)  
[87] (WO2015/158214)  
[30] CN (PCT/CN2014/075285) 2014-04-14

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[11] **2,946,377**  
[13] C

[51] **Int.Cl. B60G 11/14 (2006.01) B60G 3/28 (2006.01) F16F 1/06 (2006.01) F16F 9/32 (2006.01)**

[25] EN

[54] **SUSPENSION COIL SPRING**

[54] **RESSORT HELICOIDAL DE SUSPENSION**

[72] SAYAMA, HIRONOBU, JP  
[73] MITSUBISHI STEEL MFG. CO., LTD., JP

[85] 2016-10-19  
[86] 2015-05-25 (PCT/JP2015/064882)  
[87] (WO2015/182543)  
[30] JP (2014-109767) 2014-05-28

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[11] **2,947,369**  
[13] C

[51] **Int.Cl. H01H 3/28 (2006.01) H01F 7/18 (2006.01)**

[25] EN

[54] **ELECTRIC SWITCH HAVING AN ELECTROMAGNETIC ACTUATOR**

[54] **COMMUTATEUR ELECTRIQUE COMPORTANT UN ACTIONNEUR ELECTROMAGNETIQUE**

[72] HAHN, ANDREAS, DE  
[72] KUHN, WOLFGANG, DE  
[73] SIEMENS AKTIENGESSELLSCHAFT, DE

[85] 2016-10-28  
[86] 2015-04-01 (PCT/EP2015/057169)  
[87] (WO2015/165684)  
[30] DE (10 2014 208 014.2) 2014-04-29

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[11] **2,948,399**  
[13] C

[51] **Int.Cl. B41M 5/52 (2006.01) B82Y 30/00 (2011.01) D21H 19/20 (2006.01) D21H 19/34 (2006.01)**

[25] EN

[54] **PRINT QUALITY ON THIN COATINGS OF CELLULOSE NANOCRYSTALS**

[54] **QUALITE D'IMPRESSION SUR DE MINCES REVETEMENTS DE NANOCRISTAUX DE CELLULOSE**

[72] ASPLER, JOSEPH STEPHEN, CA

[72] ZOU, XUEJUN, CA

[72] LALEG, MAKHLOUF, CA

[72] MANFRED, TONY, CA

[72] GRENON, JOELLE, CA

[73] FPINNOVATIONS, CA

[85] 2016-11-08

[86] 2015-05-05 (PCT/CA2015/050389)

[87] (WO2015/168784)

[30] US (61/991,042) 2014-05-09

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[11] **2,950,365**  
[13] C

[51] **Int.Cl. B07B 1/46 (2006.01) B03B 9/02 (2006.01)**

[25] EN

[54] **SLURRY SCREEN CLOTH**

[54] **TISSUS FILTRANT LA BOUE**

[72] TIEU, YEU (JOHN), CA

[72] OBAIA, KHALED, CA

[72] MACNEIL, DANIEL, CA

[72] REID, DAMIEN, CA

[73] SYNCRUDE CANADA LTD., CA

[86] (2950365)

[87] (2950365)

[22] 2016-08-12

[30] US (62/205,149) 2015-08-14

[30] US (62/250,859) 2015-11-04

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[11] **2,952,217**  
[13] C

[51] **Int.Cl. B23K 9/095 (2006.01) B23K 9/10 (2006.01)**

[25] EN

[54] **METHODS AND APPARATUS TO CONTROL A WELD CURRENT AMPERAGE**

[54] **METHODES ET APPAREIL DE CONTROLE DE L'INTENSITE DE COURANT DE SOUDURE**

[72] ULRICH, JAMES F., US

[72] CASNER, BRUCE A., US

[72] STAPP, ZAKARY, US

[73] ILLINOIS TOOL WORKS INC., US

[86] (2952217)

[87] (2952217)

[22] 2016-12-20

[30] US (15/040,632) 2016-02-10

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[11] **2,952,277**  
[13] C

[51] **Int.Cl. E21B 43/20 (2006.01) E21B 43/12 (2006.01) E21B 43/40 (2006.01)**

[25] EN

[54] **HYDRAULIC HOISTING SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE DE LEVAGE HYDRAULIQUE**

[72] KORSKI, STEPHEN, CA

[72] PRICE JONES, ALUN, CA

[72] SLACK, ROY STEPHEN, CA

[73] CEMENTATION CANADA INC., CA

[85] 2016-12-14

[86] 2015-07-10 (PCT/CA2015/050643)

[87] (WO2016/004535)

[30] CA (2,856,435) 2014-07-10

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[11] **2,952,400**  
[13] C

[51] **Int.Cl. H04W 48/20 (2009.01) H04W 4/14 (2009.01) H04W 48/16 (2009.01)**

[25] EN

[54] **DEVICE MANAGED ACCESS POINT LISTS IN WIRELESS COMMUNICATIONS**

[54] **LISTE DE POINTS D'ACCES GEREES PAR DISPOSITIF DANS UN SYSTEME DE COMMUNICATIONS SANS FIL**

[72] BALASUBRAMANIAN, SRINIVASAN, US

[72] DESHPANDE, MANOJ M., US

[72] YOON, YOUNG C., US

[72] HORN, GAVIN B., US

[73] QUALCOMM INCORPORATED, US

[86] (2952400)

[87] (2952400)

[22] 2009-03-26

[62] 2,719,604

[30] US (61/039,728) 2008-03-26

[30] US (61/102,325) 2008-10-02

[30] US (12/407,714) 2009-03-19

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[11] **2,952,402**  
[13] C

[51] **Int.Cl. H04W 48/20 (2009.01) H04W 48/16 (2009.01)**

[25] EN

[54] **DEVICE MANAGED ACCESS POINT LISTS IN WIRELESS COMMUNICATIONS**

[54] **LISTE DE POINTS D'ACCES GEREES PAR DISPOSITIF DANS UN SYSTEME DE COMMUNICATIONS SANS FIL**

[72] BALASUBRAMANIAN, SRINIVASAN, US

[72] DESHPANDE, MANOJ M., US

[72] YOON, YOUNG C., US

[72] HORN, GAVIN B., US

[73] QUALCOMM INCORPORATED, US

[86] (2952402)

[87] (2952402)

[22] 2009-03-26

[62] 2,719,604

[30] US (61/039,728) 2008-03-26

[30] US (61/102,325) 2008-10-02

[30] US (12/407,714) 2009-03-19

**Canadian Patents Issued  
June 12, 2018**

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[11] **2,952,442**  
[13] C

[51] **Int.Cl. H04W 48/20 (2009.01) H04W 48/16 (2009.01)**

[25] EN

[54] **DEVICE MANAGED ACCESS POINT LISTS IN WIRELESS COMMUNICATIONS**

[54] **Liste de points d'accès gérée par dispositif dans un système de communications sans fil**

[72] BALASUBRAMANIAN, SRINIVASAN, US

[72] DESHPANDE, MANOJ M., US

[72] YOON, YOUNG C., US

[72] HORN, GAVIN B., US

[73] QUALCOMM INCORPORATED, US

[86] (2952442)

[87] (2952442)

[22] 2009-03-26

[62] 2,719,604

[30] US (61/039,728) 2008-03-26

[30] US (61/102,325) 2008-10-02

[30] US (12/407,714) 2009-03-19

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[11] **2,952,772**  
[13] C

[51] **Int.Cl. A61K 38/16 (2006.01) A61P 27/02 (2006.01) A61P 31/04 (2006.01)**

[25] EN

[54] **OPHTHALMIC COMPOSITION FOR THE TREATMENT OF OCULAR INFECTION**

[54] **Composition ophtalmique pour le traitement d'une infection oculaire**

[72] SI, ERWIN C., US

[73] COOPERVISION INTERNATIONAL HOLDING COMPANY, LP, BB

[85] 2016-12-16

[86] 2015-06-18 (PCT/GB2015/051790)

[87] (WO2015/193677)

[30] US (62/014,777) 2014-06-20

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[11] **2,954,343**  
[13] C

[51] **Int.Cl. B60R 11/02 (2006.01) G09F 9/00 (2006.01) H05K 7/20 (2006.01)**

[25] EN

[54] **DISPLAY UNIT FOR VEHICLE AND DISPLAY CONTROL UNIT**

[54] **Unité d'affichage pour véhicule, et unité de commande d'affichage**

[72] UEYAMA, KENGO, JP

[73] DENSO CORPORATION, JP

[85] 2017-01-05

[86] 2015-10-12 (PCT/JP2015/005159)

[87] (WO2016/063487)

[30] JP (2014-216435) 2014-10-23

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[11] **2,954,907**  
[13] C

[51] **Int.Cl. B65H 75/44 (2006.01) B65H 49/32 (2006.01) B65H 75/38 (2006.01) B66F 9/12 (2006.01)**

[25] EN

[54] **HOSE-REELING APPARATUS**

[54] **Appareil enrouleur de tuyau**

[72] MARTINSON, RORY, CA

[72] FEIST, WADE, CA

[73] MARTINSON, RORY, CA

[73] FEIST, WADE, CA

[86] (2954907)

[87] (2954907)

[22] 2017-01-10

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[11] **2,955,243**  
[13] C

[51] **Int.Cl. A01G 9/12 (2006.01)**

[25] EN

[54] **MODULAR PLANT SUPPORT POLES**

[54] **Poteaux modulaires de support d'installation**

[72] MONTAGANO, MICHAEL, CA

[73] MONDI PRODUCTS LTD., CA

[85] 2017-01-16

[86] 2014-08-27 (PCT/CA2014/000650)

[87] (WO2015/027318)

[30] US (61/871,501) 2013-08-29

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[11] **2,955,343**  
[13] C

[51] **Int.Cl. E21B 43/00 (2006.01) E21B 41/00 (2006.01)**

[25] EN

[54] **DETERMINING ONE OR MORE PARAMETERS OF A WELL COMPLETION DESIGN BASED ON DRILLING DATA CORRESPONDING TO VARIABLES OF MECHANICAL SPECIFIC ENERGY**

[54] **Détermination d'un ou plusieurs paramètres d'un système de completion d'un puits sur la base de données de forage correspondant à des variables d'énergie mécanique spécifique.**

[72] SRINIVASAN, SRIDHAR, IN

[72] LOGAN, WILLIAM DALE, US

[73] VORPAL ENERGY SOLUTIONS, LLC, US

[73] C&J SPEC-RENT SERVICES, INC., US

[85] 2017-01-16

[86] 2015-06-17 (PCT/US2015/036190)

[87] (WO2016/010667)

[30] US (62/026,199) 2014-07-18

[30] US (14/734,290) 2015-06-09

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[11] **2,959,215**  
[13] C

[51] **Int.Cl. A61B 6/00 (2006.01) A61B 34/20 (2016.01) A61B 1/05 (2006.01)**

[25] EN

[54] **MULTISPECTRAL SYNCHRONIZED IMAGING**

[54] **Imagerie multispectrale synchronisée**

[72] KUCHNIO, PIOTR, CA

[72] WOOD, MICHAEL FRANK GUNTER, CA

[72] LEE, TAMMY KEE-WAI, CA

[72] BAI, YANHUI, CA

[72] BULK, MICHAEL PETER, CA

[72] JAMIESON, CHRISTOPHER THOMAS, CA

[72] YAO, ZE SHAN, CA

[73] SYNAPTIVE MEDICAL (BARBADOS) INC., BB

[85] 2017-02-27

[86] 2016-05-10 (PCT/IB2016/052678)

[87] (WO2017/194993)

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[11] **2,960,638**  
[13] C

[51] **Int.Cl. B67C 3/02 (2006.01) B65B 3/04 (2006.01) B67C 3/14 (2006.01) B67C 3/22 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR HANDLING CONTAINERS**

[54] **PROCEDE ET SYSTEME DE MANIPULATION DE RECIPIENTS**

[72] KELLEY, PAUL V., US

[72] BYSICK, SCOTT E., US

[73] GRAHAM PACKAGING COMPANY, L.P., US

[86] (2960638)

[87] (2960638)

[22] 2010-01-04

[62] 2,748,184

[30] US (12/349,268) 2009-01-06

[30] US (12/651,461) 2010-01-02

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[11] **2,962,422**  
[13] C

[51] **Int.Cl. H04W 88/18 (2009.01) H04W 12/06 (2009.01)**

[25] EN

[54] **PREEMPTIVE LOADING OF PROTECTED DATA FOR STREAMING MOBILE DEVICES**

[54] **CHARGEMENT PREEMPTIF DE DONNEES PROTEGEES POUR DES DISPOSITIFS MOBILES DE DIFFUSION EN CONTINU**

[72] AGNEW, DERYK SHANE, US

[72] FOWLER, ALTON RAY, US

[73] ZIXCORP SYSTEMS, INC., US

[85] 2017-03-23

[86] 2015-09-22 (PCT/US2015/051394)

[87] (WO2016/048987)

[30] US (14/495,227) 2014-09-24

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[11] **2,963,116**  
[13] C

[51] **Int.Cl. G09B 23/30 (2006.01) G09B 9/00 (2006.01) A61F 2/14 (2006.01)**

[25] EN

[54] **ARTIFICIAL EYE SYSTEM COMPRISING A SEE-THROUGH DISPLAY**

[54] **SYSTEME D'OEIL ARTIFICIEL COMPORTANT UN ECRAN TRANSPARENT**

[72] FLAMAND, JEAN-SEBASTIEN, CA

[72] CARON, FRANCOIS, CA

[73] CAE HEALTHCARE CANADA INC., CA

[86] (2963116)

[87] (2963116)

[22] 2017-03-31

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[11] **2,963,120**  
[13] C

[51] **Int.Cl. G09B 23/30 (2006.01) A61F 9/00 (2006.01) G09G 5/00 (2006.01)**

[25] EN

[54] **ARTIFICIAL EYE SYSTEM**

[54] **SYSTEME D'OEIL ARTIFICIEL**

[72] FLAMAND, JEAN-SEBASTIEN, CA

[72] CARON, FRANCOIS, CA

[73] CAE HEALTHCARE CANADA INC., CA

[86] (2963120)

[87] (2963120)

[22] 2017-03-31

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[11] **2,964,422**  
[13] C

[51] **Int.Cl. C12M 1/00 (2006.01) C12M 1/12 (2006.01) C12M 1/34 (2006.01) C12M 3/00 (2006.01) C12N 1/00 (2006.01) C12N 5/00 (2006.01) G01N 33/48 (2006.01)**

[25] EN

[54] **MICROFLUIDIC DEVICE FOR CELL-BASED ASSAYS**

[54] **DISPOSITIF MICROFLUIDIQUE POUR DOSAGES A BASE DE CELLULES**

[72] CHEBOTAREV, OLEG, CA

[72] SIMMONS, CRAIG, CA

[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA

[85] 2017-04-12

[86] 2015-10-27 (PCT/CA2015/051095)

[87] (WO2016/065470)

[30] US (62/068,859) 2014-10-27

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[11] **2,964,476**  
[13] C

[51] **Int.Cl. G02B 5/08 (2006.01) B60R 1/12 (2006.01) G06K 19/077 (2006.01) H01Q 1/32 (2006.01) H01Q 1/38 (2006.01)**

[25] EN

[54] **RADIO FREQUENCY IDENTIFICATION ENABLED MIRRORS**

[54] **MIROIRS VALIDES PAR IDENTIFICATION A FREQUENCE RADIO**

[72] NYALAMADUGU, SHESHI, US

[72] MULLIS, JOE, US

[73] NEOLOGY, INC., US

[85] 2017-04-12

[86] 2015-10-29 (PCT/US2015/058163)

[87] (WO2016/069954)

[30] US (62/072,416) 2014-10-29

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[11] **2,967,025**  
[13] C

[51] **Int.Cl. G01B 21/00 (2006.01) G01B 11/245 (2006.01) G01B 21/04 (2006.01)**

[25] EN

[54] **NON-PARAMETRIC METHOD OF AND SYSTEM FOR ESTIMATING DIMENSIONS OF OBJECTS OF ARBITRARY SHAPE**

[54] **PROCEDE NON PARAMETRIQUE D'ESTIMATION DES DIMENSIONS D'OBJETS A FORMES ARBITRAIRES ET SYSTEME POUR L'ESTIMATION DES DIMENSIONS D'OBJETS A FORMES ARBITRAIRES**

[72] PATEL, ANKUR R., US

[72] O'CONNELL, KEVIN J., US

[72] TASKIRAN, CUNEYT M., US

[72] WILLIAMS, JAY J., US

[73] SYMBOL TECHNOLOGIES, LLC, US

[85] 2017-05-05

[86] 2015-10-06 (PCT/US2015/054120)

[87] (WO2016/073108)

[30] US (14/534,224) 2014-11-06

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[11] **2,967,440**  
[13] C

[51] **Int.Cl. G01D 11/24 (2006.01) G01N 27/403 (2006.01)**

[25] EN

[54] **REPLACEABLE PROBE HEAD**

[54] **TETE DE SONDE REMPLACABLE**

[72] PALASSIS, CHRISTOPHER J., US

[72] JAMES, MICHAEL T., US

[73] YSI INCORPORATED, US

[86] (2967440)

[87] (2967440)

[22] 2011-04-19

[62] 2,797,224

[30] US (12/774,081) 2010-05-05

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[11] **2,968,882**  
[13] C

[51] **Int.Cl. A62D 1/00 (2006.01)**

[25] EN

[54] **WATER-ENHANCING, FIRE-SUPPRESSING HYDROGELS**

[54] **HYDROGELS D'EXTINCTION D'INCENDIE AMELIORANT L'EAU**

[72] MARIAMPILLAI, BRIAN, CA

[72] YANG, YUN, CA

[73] FIREREIN INC., CA

[85] 2017-05-25

[86] 2015-11-26 (PCT/CA2015/051235)

[87] (WO2016/082041)

[30] US (62/084,965) 2014-11-26

**Canadian Patents Issued  
June 12, 2018**

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[11] **2,969,980**  
[13] C

[51] **Int.Cl. G01N 21/47 (2006.01) A61B 3/10 (2006.01) A61B 5/00 (2006.01) G01N 21/63 (2006.01)**

[25] EN

[54] **OPTICAL INSTRUMENT FOR BIOMECHANICAL DIAGNOSIS OF EYE DISEASE**

[54] **INSTRUMENT OPTIQUE PERMETTANT UN DIAGNOSTIC BIOMECHANIQUE D'UNE MALADIE OCULAIRE**

[72] VOGLER, KLAUS, DE

[72] WUELLNER, CHRISTIAN, DE

[73] NOVARTIS AG, CH

[85] 2017-06-06

[86] 2015-02-02 (PCT/EP2015/052079)

[87] (WO2016/124216)

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[11] **2,972,543**  
[13] C

[51] **Int.Cl. A01J 5/007 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PREPARATION CUP ATTACHMENT**

[54] **SYSTEME ET METHODE DE PREPARATION D'UN ACCESSOIRE DE GOBELET**

[72] FORESMAN, MARK A., US

[72] PREVOST, BRADLEY J., US

[73] TECHNOLOGIES HOLDINGS CORP., US

[86] (2972543)

[87] (2972543)

[22] 2017-07-06

[30] US (15/204,918) 2016-07-07

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[11] **2,975,099**  
[13] C

[51] **Int.Cl. C10J 3/72 (2006.01) A62D 3/40 (2007.01) H01M 8/0606 (2016.01) C01B 3/02 (2006.01) C01B 3/32 (2006.01) C01B 3/50 (2006.01) C01B 7/01 (2006.01) C01B 9/02 (2006.01) C01B 33/08 (2006.01) C01F 7/56 (2006.01)**

[25] EN

[54] **CHLORINATION OF PROCESSING RESIDUES AS A VARIABLE LOAD FOR GRID SCALE ELECTRICAL LOAD FOLLOWING AND STORAGE**

[54] **CHLORATION DES RESIDUS DE TRAITEMENT EN TANT QUE CHARGE VARIABLE POUR UN STOCKAGE ET UN SUIVI DE CHARGE ELECTRIQUE A L'ECHELLE DU RESEAU ELECTRIQUE**

[72] LANGLEY, JUSTIN, US

[73] LANGLEY, JUSTIN, US

[85] 2017-07-26

[86] 2016-01-18 (PCT/US2016/013811)

[87] (WO2016/122917)

[30] AU (2013299655) 2015-01-28

[30] CA (2,881,187) 2015-02-04

[30] US (14/852,028) 2015-09-11

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[11] **2,975,404**  
[13] C

[51] **Int.Cl. G06T 5/00 (2006.01) A61B 5/055 (2006.01) A61B 6/03 (2006.01)**

[25] EN

[54] **COLOUR CONTRAST ENHANCEMENT OF MEDICAL IMAGES BY NON-LINEAR COLOUR MAPPING**

[54] **AMELIORATION DE CONTRASTE DE COULEUR D'IMAGES MEDICALES PAR MAPPAGE DE COULEUR NON-LINEAIRE**

[72] KUCHNIO, PIOTR, BB

[72] SELA, GAL, CA

[73] SYNAPTIVE MEDICAL (BARBADOS) INC., BB

[85] 2017-07-31

[86] 2015-09-02 (PCT/CA2015/050841)

[87] (WO2017/035624)

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[11] **2,976,284**  
[13] C

[51] **Int.Cl. B29C 45/64 (2006.01)**

[25] EN

[54] **INJECTION MOLD HAVING AN IN-MOLD LID CLOSING DEVICE**

[54] **MOULE A INJECTION AYANT UN DISPOSITIF DE FERMETURE DE COUVERCLE DANS LE MOULE**

[72] KRAMMER, CHRISTIAN, BR

[72] RADA, CHRISTIAN, AT

[73] HUSKY INJECTION HOLDING SYSTEMS LTD., CA

[85] 2017-08-10

[86] 2016-02-18 (PCT/CA2016/050146)

[87] (WO2016/141461)

[30] US (62/132,132) 2015-03-12

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[11] **2,976,557**  
[13] C

[51] **Int.Cl. G09F 9/30 (2006.01) G02B 26/08 (2006.01) G09F 9/33 (2006.01) G09F 9/35 (2006.01) H04N 5/335 (2011.01)**

[25] EN

[54] **HOLLOWED ELECTRONIC DISPLAY**

[54] **AFFICHEUR ELECTRONIQUE EVIDE**

[72] EVANS V, DAVID JOHN, US

[72] RUBIN, ANDREW E., US

[72] HERSHENSON, MATTHEW, US

[72] JIANG, XINRUI, US

[72] MIAO, XIAOYU, US

[72] TATE, JOSEPH ANTHONY, US

[72] GAGNE-KEATS, JASON SEAN, US

[72] SCHULTZ ZAVIN, REBECCA, US

[73] ESSENTIAL PRODUCTS, INC., US

[85] 2017-08-16

[86] 2017-06-06 (PCT/US2017/036055)

[87] (WO2017/214081)

[30] US (62/348,421) 2016-06-10

[30] US (15/233,818) 2016-08-10

**Brevets canadiens délivrés  
12 juin 2018**

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[11] **2,976,869**  
[13] C

[51] **Int.Cl. E01H 4/00 (2006.01) E01H 4/02 (2006.01)**  
[25] EN  
[54] **SNOW GROOMER WITH LINKAGE FOR ADJUSTABLE COMPONENT**  
[54] **DAMEUSE DOTE E D'UNE LIAISON DESTINEE A UNE COMPOSANTE AJUSTABLE**  
[72] BYER, RICHARD L., US  
[73] BYER, RICHARD L., US  
[86] (2976869)  
[87] (2976869)  
[22] 2017-08-18  
[30] US (62/381,566) 2016-08-30

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[11] **2,977,319**  
[13] C

[51] **Int.Cl. B62K 25/04 (2006.01) B62K 25/28 (2006.01)**  
[25] EN  
[54] **REAR SUSPENSION SYSTEM FOR A BICYCLE**  
[54] **SYSTEME DE SUSPENSION ARRIERE POUR BICYCLETTE**  
[72] HUDEC, CHRISTOPHER, CA  
[73] CMH PLUS HOLDINGS LTD., CA  
[85] 2017-08-21  
[86] 2016-02-24 (PCT/CA2016/050188)  
[87] (WO2016/134471)  
[30] US (62/121,900) 2015-02-27  
[30] US (14/719,219) 2015-05-21  
[30] US (62/173,211) 2015-06-09

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[11] **2,977,505**  
[13] C

[51] **Int.Cl. B01L 9/06 (2006.01) C12M 1/24 (2006.01)**  
[25] EN  
[54] **TUBE RACK TOOL**  
[54] **OUTIL DE PORTOIR DE TUBES**  
[72] TAYLOR, LOGAN M., US  
[72] ABBOTT, RICHARD DAVID, US  
[73] BIOFIRE DEFENSE, LLC, US  
[85] 2017-08-22  
[86] 2016-02-11 (PCT/US2016/017620)  
[87] (WO2016/137756)  
[30] US (14/998,015) 2015-02-24

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[11] **2,980,806**  
[13] C

[51] **Int.Cl. A61M 16/08 (2006.01) A61M 16/04 (2006.01) A61M 16/10 (2006.01)**  
[25] EN  
[54] **DEHUMIDIFYING CIRCUIT**  
[54] **CIRCUIT DE DESHUMIDIFICATION**  
[72] SMITH, DANIEL JOHN, NZ  
[72] MILLAR, GAVIN WALSH, NZ  
[72] POWELL, KEVIN BLAKE, NZ  
[72] BALDWIN, DAVID PETER, GB  
[73] FISHER & PAYKEL HEALTHCARE LIMITED, NZ  
[86] (2980806)  
[87] (2980806)  
[22] 2001-05-08  
[62] 2,934,358  
[30] NZ (504439) 2000-05-10  
[30] NZ (509041) 2000-12-20

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[11] **2,983,682**  
[13] C

[51] **Int.Cl. G08G 1/16 (2006.01) B60W 30/095 (2012.01) B60R 21/00 (2006.01)**  
[25] EN  
[54] **OCCLUSION CONTROL DEVICE**  
[54] **DISPOSITIF DE COMMANDE EN CAS D'OCCULTATION**  
[72] YOSHIHIRA, MASANORI, JP  
[72] WATANABE, SEIGO, JP  
[72] KISHI, NORIMASA, JP  
[73] NISSAN MOTOR CO., LTD., JP  
[85] 2017-10-23  
[86] 2015-04-23 (PCT/JP2015/062406)  
[87] (WO2016/170647)

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[11] **2,983,856**  
[13] C

[51] **Int.Cl. A61B 10/02 (2006.01)**  
[25] EN  
[54] **BIOPSY NEEDLE ASSEMBLY**  
[54] **DISPOSITIF D'AIGUILLE DE BIOPSIE**  
[72] STONE, NELSON, US  
[72] SCHECHTER, DAVE, US  
[73] 3DBIOPSY, INC., US  
[86] (2983856)  
[87] (2983856)  
[22] 2015-02-27  
[62] 2,941,001  
[30] US (61/946,366) 2014-02-28

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[11] **2,984,159**  
[13] C

[51] **Int.Cl. A63G 21/18 (2006.01)**  
[25] EN  
[54] **FUNCTIONAL MAT RACER**  
[54] **TAPIS FONCTIONNEL POUR SURFEUR**  
[72] SCHWARTZ, JUSTIN MICHAEL, US  
[72] OSTERMAN, ROSS ALAN, US  
[72] MASON, WILLIAM DALE, US  
[73] UNIVERSAL CITY STUDIOS LLC, US  
[85] 2017-10-26  
[86] 2016-04-25 (PCT/US2016/029216)  
[87] (WO2016/178847)  
[30] US (14/704,207) 2015-05-05

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[11] **2,987,814**  
[13] C

[51] **Int.Cl. H04M 3/42 (2006.01) H04M 11/10 (2006.01)**  
[25] EN  
[54] **TELEPHONE SWITCHING APPARATUS, METHOD, AND COMPUTER READABLE MEDIUM**  
[54] **APPAREIL DE COMMUTATION TELEPHONIQUE, METHODE ET SUPPORT LISIBLE A L'ORDINATEUR**  
[72] MORIMOTO, TORU, JP  
[72] SASAKI, HIROMI, JP  
[72] KOBAYASHI, MAKOTO, JP  
[73] NEC PLATFORMS, LTD., JP  
[73] NIPPON TELEGRAPH AND TELEPHONE EAST CORPORATION, JP  
[73] NIPPON TELEGRAPH AND TELEPHONE WEST CORPORATION, JP  
[85] 2017-11-29  
[86] 2016-09-06 (PCT/JP2016/076101)  
[87] (WO2017/043465)  
[30] JP (2015-178196) 2015-09-10

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June 12, 2018**

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[11] **2,989,800**  
[13] C

[51] **Int.Cl. A47C 13/00 (2006.01) A47C 4/00 (2006.01) B60N 2/02 (2006.01) B60N 2/30 (2006.01) B60N 2/36 (2006.01) B63B 29/04 (2006.01)**

[25] EN

[54] **FLIPPING CONVERSION SEAT AND LEAN POST**

[54] **SIEGE A CONVERSION RABATTABLE ET MONTANT D'APPUI**

[72] FOSS, CHARLES DEAN, US  
[72] DAILY, DANIEL PATRICK, US  
[73] BOSTON WHALER INC, US  
[85] 2017-12-15  
[86] 2016-01-22 (PCT/US2016/014538)  
[87] (WO2016/118872)  
[30] US (14/604,314) 2015-01-23

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[11] **2,990,158**  
[13] C

[51] **Int.Cl. B41M 5/333 (2006.01) C07C 275/28 (2006.01) C07C 311/42 (2006.01) C07C 311/58 (2006.01) C07C 335/16 (2006.01) C07C 323/59 (2006.01) C07K 5/062 (2006.01) C07K 5/083 (2006.01)**

[25] EN

[54] **HEAT-SENSITIVE RECORDING MATERIAL**

[54] **MATERIAU D'ENREGISTREMENT THERMOSENSIBLE**

[72] ISHIBASHI, YOSHIMI, JP  
[72] KINISHI, RYOICHI, JP  
[72] NAKAGAWA, YOSHITO, JP  
[73] SANKO CO., LTD., JP  
[85] 2017-12-19  
[86] 2016-09-13 (PCT/JP2016/076929)  
[87] (WO2017/047572)  
[30] JP (2015-185024) 2015-09-18  
[30] JP (2016-041569) 2016-03-03  
[30] JP (2016-140814) 2016-07-15

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[11] **2,993,314**  
[13] C

[51] **Int.Cl. H04N 21/236 (2011.01) H04N 21/23 (2011.01) H04N 21/234 (2011.01) H04N 21/81 (2011.01)**

[25] EN

[54] **NEWS PRODUCTION SYSTEM WITH DVE TEMPLATE FEATURE**

[54] **SYSTEME DE PRODUCTION DE NOUVELLE AYANT UNE CARACTERISTIQUE DE MODELE DVE**

[72] COX, GARY WILSON, US  
[73] TRIBUNE BROADCASTING COMPANY, LLC, US  
[85] 2018-01-22  
[86] 2016-07-22 (PCT/US2016/043558)  
[87] (WO2017/019506)  
[30] US (14/809,668) 2015-07-27

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[11] **2,994,056**  
[13] C

[51] **Int.Cl. B01D 53/26 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR CARBON DIOXIDE GAS DEHYDRATION**

[54] **PROCEDE ET SYSTEME DE DESHYDRATATION DE DIOXYDE DE CARBONE GAZEUX**

[72] KIKKAWA, YOSHITSUGI, JP  
[72] SATO, ETSURO, JP  
[72] HINO, TAKESHI, JP  
[72] KANETA, SHINJI, JP  
[72] TANAKA, JUNICHIRO, JP  
[73] CHIYODA CORPORATION, JP  
[85] 2018-01-29  
[86] 2015-07-30 (PCT/JP2015/003850)  
[87] (WO2017/017711)

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[11] **2,996,257**  
[13] C

[51] **Int.Cl. B61L 25/02 (2006.01) B61L 23/14 (2006.01) B61L 27/04 (2006.01)**

[25] EN

[54] **GUIDEWAY MOUNTED VEHICLE LOCALIZATION SYSTEM**

[54] **SYSTEME DE LOCALISATION DE VEHICULE MONTE SUR VOIE DE GUIDAGE**

[72] GREEN, ALON, CA  
[72] KINIO, WALTER, CA  
[72] IGNATIUS, RODNEY, CA  
[72] WHITWAM, FIRTH, CA  
[73] THALES CANADA INC., CA  
[85] 2018-02-21  
[86] 2016-08-25 (PCT/IB2016/055084)  
[87] (WO2017/033150)  
[30] US (62/210,218) 2015-08-26

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[11] **2,997,053**  
[13] C

[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  
[73] NEW YORK AIR BRAKE LLC, US  
[85] 2018-02-28  
[86] 2015-09-01 (PCT/US2015/047867)  
[87] (WO2017/039639)



# Canadian Applications Open to Public Inspection

May 27, 2018 to June 2, 2018

## Demandes canadiennes mises à la disponibilité du public

27 mai 2018 au 2 juin 2018

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[21] **2,949,767**  
[13] A1  
[51] **Int.Cl. B05B 12/12 (2006.01)**  
[25] EN  
[54] **SPRINKLER SYSTEM ACCOUNTING FOR WIND EFFECT**  
[54] **SYSTEME DE GICLEURS TENANT COMPTE DE L'EFFET DU VENT**  
[72] COTE, CAMERON, CA  
[71] COTE, KRISTY, CA  
[22] 2016-11-28  
[41] 2018-05-28

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[21] **2,949,798**  
[13] A1  
[51] **Int.Cl. B63B 35/73 (2006.01) B63B 35/71 (2006.01) B63B 35/85 (2006.01)**  
[25] EN  
[54] **THE TRI-PADDLE (TRI)! A FAST, VERSATILE, TOURING PADDLE CRAFT WHICH HAS A SEMI-AUTOMATIC TRI-PADDLE COCKPIT WITH INTEGRATED TWO-PART SPRAY PROTECTOR SYSTEM, A PORTABLE CRAFT-PACK SYSTEM, AND AN ON-BOARD SLEEPER SYSTEM!**  
[54] **LE TRI-PADDLE (TRI)! UNE EMBARCATION A PAGAIE RAPIDE ET POLYVALENTE DESTINEE AU TOURISME QUI COMPORTE UN COCKPIT A TROIS PAGAIES SEMI-AUTOMATIQUES DOTE D'UN SYSTEME DE PARE-ECLABOUSSURES EN DEUX PARTIES, UN SYSTEME DE TRANSPORT D'EMBARCATION PORTATIF ET UN SYSTEME DE COUCHETTE EMBARQUE**  
[72] SQUAREK, DOUGLAS, CA  
[71] SQUAREK, DOUGLAS, CA  
[22] 2016-11-28  
[41] 2018-05-28

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[21] **2,949,862**  
[13] A1  
[51] **Int.Cl. A01K 1/00 (2006.01)**  
[25] EN  
[54] **PASTURE BARN**  
[54] **GRANGE DE PATURAGE**  
[72] RUSSELL, DONALD C., CA  
[71] RUSSELL, DONALD C., CA  
[22] 2016-11-29  
[41] 2018-05-29

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[21] **2,949,897**  
[13] A1  
[51] **Int.Cl. B65D 43/06 (2006.01)**  
[25] EN  
[54] **BEVERAGE CAN COVER DEVICE AND METHOD**  
[54] **DISPOSITIF DE COUVERCLE DE CANNETTE DE BOISSON ET METHODE**  
[72] BAGNALL, ALEXANDER M., CA  
[71] BAGNALL, ALEXANDER M., CA  
[22] 2016-11-29  
[41] 2018-05-29

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[21] **2,950,029**  
[13] A1  
[51] **Int.Cl. A63B 21/062 (2006.01) A63B 21/06 (2006.01)**  
[25] EN  
[54] **A GYM TOWER**  
[54] **UNE TOUR DESTINEE A UNE SALLE D'ENTRAINEMENT**  
[72] SANDHU, JESSE, CA  
[71] SANDHU, JESSE, CA  
[22] 2016-11-30  
[41] 2018-05-30

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[21] **2,950,054**  
[13] A1  
[51] **Int.Cl. H05B 37/02 (2006.01)**  
[25] FR  
[54] **METHOD AND SYSTEM FOR LIGHT DIMMER WITHOUT FLICKERING ON AN ALTERNATIVE SUPPLY NETWORK**  
[54] **METHODE ET SYSTEME POUR GRADATEUR DE LUMIERE SANS SCINTILLEMENT SUR UN RESEAU D'ALIMENTATION ALTERNATIF**  
[72] BOUCHARD, CLAUDE, CA  
[72] BROUILLETTE, ALEXANDRE, CA  
[72] BAYEUR, HUGO, CA  
[72] GODIN, JACQUES, CA  
[71] TECHNOLOGIES INTELIA INC., CA  
[22] 2016-11-30  
[41] 2018-05-30

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[21] **2,950,096**  
[13] A1  
[51] **Int.Cl. A61K 38/39 (2006.01) A61K 38/01 (2006.01) A61P 19/02 (2006.01)**  
[25] EN  
[54] **USE OF LOW MOLECULAR WEIGHT COLLAGEN HYDROLYSATE FOR PREVENTING AND/OR REDUCING JOINT PAIN, LATERAL MENISCAL PROTUSION AND/OR IMPROVING CARTILAGE ABRASION GRADE**  
[54] **UTILISATION D'HYDROLYSAT DE COLLAGENE A FAIBLE POIDS MOLECULAIRE DESTINE A PREVENIR OU REDUIRE LA DOULEUR ARTICULAIRE, LA TUBEROSITE MENISCALE LATERALE OU A AMELIORER LE DEGRE D'ABRASION DU CARTILAGE**  
[72] MICHAUD, GUY, CA  
[71] CORPORATION GENACOL CANADA INC., CA  
[22] 2016-11-28  
[41] 2018-05-28

**Canadian Applications Open to Public Inspection  
May 27, 2018 to June 2, 2018**

[21] **2,950,116**  
[13] A1

[51] **Int.Cl. G09B 19/02 (2006.01)**  
[25] EN  
[54] **VISUAL ARITHMETIC  
TEACHING DEVICE**  
[54] **DISPOSITIF D'ENSEIGNEMENT  
VISUEL DE L'ARITHMETIQUE**  
[72] THOMPSON, ANN, CA  
[71] THOMPSON, ANN, CA  
[22] 2016-11-30  
[41] 2018-05-30

[21] **2,950,163**  
[13] A1

[51] **Int.Cl. G01N 21/71 (2006.01)**  
[25] EN  
[54] **METHOD AND SYSTEM FOR  
CHARACTERIZING OIL SANDS  
BY USING LASER-INDUCED  
BREAKDOWN SPECTROSCOPY**  
[54] **METHODE ET SYSTEME DE  
CARACTERISATION DES SABLES  
BITUMINEUX PAR  
SPECTROSCOPIE DU PLASMA  
INDUIT PAR LASER**  
[72] HARHIRA, AISSA, CA  
[72] SABSABI, MOHAMAD, CA  
[72] EL HADDAD, JOSETTE, CA  
[72] BLOUIN, ALAIN, CA  
[71] NATIONAL RESEARCH COUNCIL  
CANADA, CA  
[22] 2016-11-30  
[41] 2018-05-30

[21] **2,950,195**  
[13] A1

[51] **Int.Cl. B03B 9/02 (2006.01) E21C  
41/26 (2006.01)**  
[25] EN  
[54] **PROCESS AND APPARATUS FOR  
DELIVERY OF OIL SANDS ORE**  
[54] **PROCEDE ET APPAREIL DE  
LIVRAISON DU MINERAI DE  
SABLES BITUMINEUX**  
[72] GARNER, WILLIAM NICHOLAS, CA  
[72] DOUCET, REAL, CA  
[72] PAINE, RANDALL B., CA  
[72] BEDI, GURPREET SINGH, CA  
[72] WU, JIANGYING, CA  
[72] JOE, GARDNER, CA  
[71] CANADIAN NATURAL  
RESOURCES LIMITED, CA  
[22] 2016-12-01  
[41] 2018-06-01

[21] **2,950,222**  
[13] A1

[51] **Int.Cl. E05F 15/686 (2015.01) E05F  
15/59 (2015.01)**  
[25] EN  
[54] **OVERHEAD DOOR CABLE  
ADJUSTER SYSTEM AND  
METHOD**  
[54] **DISPOSITIF D'AJUSTEMENT DE  
CABLE DE PORTE BASCULANTE  
ET METHODE**  
[72] TIPLER, RAYMOND L., CA  
[71] TIPLER, RAYMOND L., CA  
[22] 2016-12-01  
[41] 2018-05-30  
[30] US (15365870) 2016-11-30

[21] **2,950,230**  
[13] A1

[51] **Int.Cl. E21B 33/12 (2006.01)**  
[25] EN  
[54] **BACKPRESSURE BALL**  
[54] **BALLE DE RETRO PRESSION**  
[72] FERG, THOMAS EUGENE, US  
[71] FERG, THOMAS EUGENE, US  
[22] 2016-11-29  
[41] 2018-05-29

[21] **2,950,254**  
[13] A1

[51] **Int.Cl. A61H 9/00 (2006.01) A61F 7/00  
(2006.01)**  
[25] EN  
[54] **LIQUID CIRCULATION MEMBER  
FOR MASSAGE DEVICE**  
[54] **ELEMENT DE CIRCULATION DU  
LIQUIDE DESTINE A UN  
APPAREIL DE MASSAGE**  
[72] YANG, CHENG-CHUAN, TW  
[71] YANG, CHENG-CHUAN, TW  
[22] 2016-11-30  
[41] 2018-05-30

[21] **2,950,255**  
[13] A1

[51] **Int.Cl. E04C 3/07 (2006.01)**  
[25] EN  
[54] **METAL STUD FOR USE IN SOUND  
ATTENUATING WALL SYSTEM  
UTILIZING HIGH DENSITY  
WALLBOARD**  
[54] **CRAMPON METALLIQUE  
DESTINE A UN SYSTEME DE  
PAROI ATTENUANT LE SON  
EMPLOYANT UN PANNEAU  
MURAL HAUTE DENSITE**  
[72] RICE, JOHN, CA  
[71] BAILEY METAL PRODUCTS  
LIMITED, CA  
[22] 2016-11-30  
[41] 2018-05-30

[21] **2,950,258**  
[13] A1

[51] **Int.Cl. G09F 3/02 (2006.01) F16N 3/12  
(2006.01)**  
[25] EN  
[54] **CARTRIDGE SPLIT RING  
INFORMATION TAG**  
[54] **ETIQUETTE D'INFORMATION DE  
BAGUE FENDUE DE  
CARTOUCHE**  
[72] HEINZLMEIR, DANNY M., CA  
[71] HEINZLMEIR, DANNY M., CA  
[22] 2016-12-01  
[41] 2018-06-01

[21] **2,950,360**  
[13] A1

[51] **Int.Cl. A45C 11/00 (2006.01) A47D  
5/00 (2006.01) A47G 9/00 (2006.01)**  
[25] EN  
[54] **MATERNITY BAG WITH  
UNNOTICEABLE CHANGING  
MAT AND METHOD THEREOF**  
[54] **SAC DE MATERNITE EQUIPE  
D'UN TAPIS A LANGER DISCRET  
ET METHODE ASSOCIEE**  
[72] PEROU, KRYSTEL, CA  
[71] BRELOKQ MD, CA  
[22] 2016-12-02  
[41] 2018-06-02

**Demandes canadiennes mises à la disponibilité du public**  
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[21] **2,950,368**  
[13] A1

[51] **Int.Cl. H01R 13/533 (2006.01) H01R 13/639 (2006.01)**

[25] EN

[54] **LOCK FOR AN EXPLOSION PROOF CONNECTOR**

[54] **VERROU DESTINE A UN CONNECTEUR A L'EPREUVE DES EXPLOSIONS**

[72] MOSS, IAN T., CA

[72] ROGERS, TIMOTHY D., CA

[71] RD SCAN HOLDINGS INC., CA

[22] 2016-12-02

[41] 2018-06-02

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[21] **2,950,370**  
[13] A1

[51] **Int.Cl. C23F 11/04 (2006.01) C09K 8/52 (2006.01) C09K 8/54 (2006.01) C09K 8/74 (2006.01) C23G 1/02 (2006.01)**

[25] EN

[54] **NOVEL CORROSION INHIBITION PACKAGE**

[54] **EMBALLAGE NOVATEUR INHIBITEUR DE CORROSION**

[72] PURDY, CLAY, CA

[72] WEISSENBERGER, MARKUS, CA

[71] FLUID ENERGY GROUP LTD., CA

[22] 2016-12-02

[41] 2018-06-02

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[21] **2,950,373**  
[13] A1

[51] **Int.Cl. A61K 47/38 (2006.01) A61K 9/00 (2006.01) A61K 9/48 (2006.01) A61M 31/00 (2006.01)**

[25] EN

[54] **EXPANDABLE GASTRORETENTIVE DOSAGE FORM**

[54] **FORMULATION DE DOSAGE A RETENTION GASTRIQUE MODULABLE**

[72] BEN MENACHEM, AVSHALOM, IL

[72] ZALIT, ILAN, IL

[71] TEVA PHARMACEUTICAL INDUSTRIES LTD., IL

[22] 2016-12-02

[41] 2018-06-02

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[21] **2,950,377**  
[13] A1

[51] **Int.Cl. A47G 25/14 (2006.01) A47G 25/02 (2006.01) F16M 13/00 (2006.01)**

[25] EN

[54] **CLAMPING DEVICE FOR HANGING ARTICLES**

[54] **DISPOSITIF DE SERRAGE DESTINE A DES ARTICLES SUSPENDUS**

[72] RICHARD, GERARD J., CA

[71] RICHARD, GERARD J., CA

[22] 2016-12-02

[41] 2018-06-02

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[21] **2,950,473**  
[13] A1

[51] **Int.Cl. F03B 13/14 (2006.01)**

[25] EN

[54] **NEGATIVE-PRESSURE WAVE GENERATOR**

[54] **GENERATEUR D'ONDE A PRESSION NEGATIVE**

[72] WU, TING-CHING, TW

[71] WU, TING-CHING, TW

[22] 2016-12-02

[41] 2018-06-02

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[21] **2,950,474**  
[13] A1

[51] **Int.Cl. A45D 34/04 (2006.01)**

[25] EN

[54] **COSMETIC APPLICATOR**

[54] **APPLICATEUR DE COSMETIQUE**

[72] HUANG, WEI CHIN, CN

[71] HUANG, WEI CHIN, CN

[22] 2016-12-02

[41] 2018-06-02

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[21] **2,950,477**  
[13] A1

[51] **Int.Cl. B32B 3/06 (2006.01) B32B 3/08 (2006.01) B32B 3/14 (2006.01) B32B 3/22 (2006.01) B32B 7/08 (2006.01) B32B 21/13 (2006.01) E04B 1/98 (2006.01) E04C 2/26 (2006.01) E04C 2/38 (2006.01) E04H 9/14 (2006.01)**

[25] EN

[54] **BLAST PANEL ASSEMBLY**

[54] **ASSEMBLAGE DE PANNEAUX D'EXPLOSION**

[72] DANTZER, HUGH A., CA

[72] EL-DOMIATY, KHALED, US

[71] STONE PROTECTIVE SOLUTIONS, LLC, US

[22] 2016-12-02

[41] 2018-06-02

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[21] **2,950,503**  
[13] A1

[51] **Int.Cl. A45C 5/03 (2006.01) A45C 13/00 (2006.01)**

[25] EN

[54] **COMBINATION LUGGAGE AND DRINK HOLDER ASSEMBLY**

[54] **COMBINAISON DE BAGAGE ET DE DISPOSITIF PORTE-BOISSON**

[72] TONG, JOY, US

[71] TONG, JOY, US

[22] 2016-12-02

[41] 2018-06-02

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[21] **2,950,506**  
[13] A1

[51] **Int.Cl. G01R 31/02 (2006.01) H02J 13/00 (2006.01)**

[25] EN

[54] **WAVEFORM SEPARATOR APPARATUS AND METHOD FOR DETECTING LEAKAGE CURRENT IN HIGH VOLTAGE DIRECT CURRENT POWER SYSTEMS**

[54] **APPAREIL SEPARATEUR DE FORME D'ONDE ET METHODE DE DETECTION DE COURANT DE FUITE DANS LES SYSTEMES D'ALIMENTATION EN COURANT DIRECT HAUTE TENSION**

[72] BILIC, ZORAN, CA

[72] BALL, DAVID JAMES, US

[71] QUANTA ASSOCIATES, L.P., US

[22] 2016-12-02

[41] 2018-06-02

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[21] **2,950,508**  
[13] A1

[51] **Int.Cl. F16F 15/02 (2006.01) F16F 7/10 (2006.01) F16F 15/00 (2006.01) F16F 15/08 (2006.01)**

[25] EN

[54] **COMPACT VIBRATION REDUCING HUMAN SUPPORT**

[54] **SUPPORT HUMAIN REDUISANT LA VIBRATION DE CONTACT**

[72] FERREIDONI, AMIN, CA

[72] WICKRAMASINGHE, VIRESH, CA

[72] CHEN, YONG ERIC, CA

[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA

[22] 2016-12-02

[41] 2018-06-02

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[21] **2,950,530**  
[13] A1

[51] **Int.Cl. G06Q 20/40 (2012.01) G06Q 20/36 (2012.01) G06F 21/62 (2013.01)**

[25] EN

[54] **ASYNCHRONOUS CRYPTOGRAM-BASED AUTHENTICATION PROCESSES**

[54] **PROCEDES D'AUTHENTIFICATION FONDES SUR UN CRYPTOGRAMME ASYNCHRONE**

[72] TSERETOPOULOS, DEAN C.N., CA  
[72] CHAN, PAUL MON-WAH, CA  
[72] LEE, JOHN JONG SUK, CA  
[71] THE TORONTO-DOMINION BANK, CA

[22] 2016-12-02  
[41] 2018-06-01  
[30] US (15/366,546) 2016-12-01

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[21] **2,950,554**  
[13] A1

[51] **Int.Cl. F21V 21/00 (2006.01) F21V 21/002 (2006.01) F21V 21/02 (2006.01) F21V 23/06 (2006.01)**

[25] EN

[54] **EXTERIOR LAMP MOUNTING ADAPTOR**

[54] **ADAPTATEUR D'INSTALLATION DE LAMPE EXTERIEURE**

[72] BAILEY, SIMON, CA  
[72] DAHAN, MICHAEL, CA  
[72] WEXELMAN, LESLIE, CA  
[71] LES PRODUITS SUNFORCE INC., CA

[22] 2016-12-02  
[41] 2018-06-02

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[21] **2,950,633**  
[13] A1

[51] **Int.Cl. G06Q 30/08 (2012.01) G06F 3/0482 (2013.01) G06F 3/0484 (2013.01)**

[25] EN

[54] **SYSTEM AND METHOD OF AUCTION MANAGEMENT**

[54] **SYSTEME ET METHODE DE GESTION D'ENCHERES**

[72] KRUPNIK, JOHN, US  
[72] ABRAHAM, MAJU, US  
[72] HILLIARD, ADAM, US  
[72] HENDERSHOT, JEFF, US  
[71] KAR AUCTION SERVICES, INC., US

[22] 2016-11-30  
[41] 2018-05-28  
[30] US (62/426,826) 2016-11-28

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[21] **2,950,678**  
[13] A1

[51] **Int.Cl. A23L 5/00 (2016.01) A23L 5/10 (2016.01) A23L 3/36 (2006.01) A47J 43/00 (2006.01) B65G 49/00 (2006.01)**

[25] EN

[54] **VARIABLE FOOD PRODUCT COOKER AND CHILLER**

[54] **APPAREIL DE CUISSON ET REFROIDISSEMENT DE PRODUIT ALIMENTAIRE VARIABLE**

[72] CHEYNE, MATTHEW, US  
[71] D.M. ADVANTAGE, INC., US

[22] 2016-12-05  
[41] 2018-05-29  
[30] US (15/363,423) 2016-11-29

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[21] **2,950,712**  
[13] A1

[51] **Int.Cl. E06B 1/04 (2006.01) E06B 1/12 (2006.01) E06B 1/36 (2006.01) E06B 1/52 (2006.01)**

[25] EN

[54] **MASONRY LINTEL FOR LONG SPANS**

[54] **LINTEAU DE MACONNERIE DESTINE A DE LONGUES TRAVEES**

[72] HOHMANN, RONALD P., JR., US  
[72] OSMANSKI, RICHARD, US  
[72] MASON, CHRISTOPHER, US  
[71] MITEK HOLDINGS, INC., US

[22] 2016-12-02  
[41] 2018-06-02

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[21] **2,950,716**  
[13] A1

[51] **Int.Cl. E06B 1/04 (2006.01) E06B 1/12 (2006.01) E06B 1/36 (2006.01) E06B 1/52 (2006.01)**

[25] EN

[54] **LONG SPAN MASONRY LINTEL SUPPORT SYSTEM**

[54] **DISPOSITIF DE SOUTIEN DE LINTEAU DE MACONNERIE A LONGUE PORTEE**

[72] HOHMANN, RONALD P., JR., US  
[72] OSMANSKI, RICHARD, US  
[72] MASON, CHRISTOPHER, US  
[71] MITEK HOLDINGS, INC., US

[22] 2016-12-02  
[41] 2018-06-02

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[21] **2,952,551**  
[13] A1

[51] **Int.Cl. G01N 21/71 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR CHARACTERIZING AN AGGREGATE SAMPLE BY USING LASER-INDUCED BREAKDOWN SPECTROSCOPY**

[54] **METHODE ET SYSTEME DE CARACTERISATION D'UN ECHANTILLON AGREGE AU MOYEN DE LA SPECTROSCOPIE DE FRACTIONNEMENT INDUIT PAR LASER**

[72] HARHIRA, AISSA, CA  
[72] SABSABI, MOHAMAD, CA  
[72] EL HADDAD, JOSETTE, CA  
[72] BLOUIN, ALAIN, CA  
[71] NATIONAL RESEARCH COUNCIL CANADA, CA

[22] 2016-12-22  
[41] 2018-05-30  
[30] CA (2,950,163) 2016-11-30

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[21] **2,954,035**  
[13] A1

[51] **Int.Cl. H02J 50/10 (2016.01) H02J 50/90 (2016.01)**

[25] EN

[54] **MAGNETIC DEVICE MOUNT**

[54] **FIXATION DE DISPOSITIF MAGNETIQUE**

[72] MCSWEYN, CHRISTOPHER MICHAEL, US  
[72] ALVES, VINCE, US  
[71] SCOSCHE INDUSTRIES, INC., US

[22] 2017-01-10  
[41] 2018-06-01  
[30] US (15/366,207) 2016-12-01

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[21] **2,954,296**  
[13] A1

[51] **Int.Cl. E01F 9/518 (2016.01) E01F 9/50 (2016.01) E01F 9/576 (2016.01)**

[25] EN

[54] **DEVICE FOR AUTOMATIC RE-STRIPING OF HORIZONTAL ROAD MARKINGS**

[54] **DISPOSITIF DE REMARQUAGE AUTOMATIQUE DE MARQUAGES ROUTIERS HORIZONTAUX**

[72] CHARNENKA, DZMITRY, BY  
[72] ARKESAU, VIKTAR, BY  
[71] OOO "STIM", BY

[22] 2017-01-10  
[41] 2018-06-01  
[30] US (15/366,965) 2016-12-01

**Demandes canadiennes mises à la disponibilité du public**  
**27 mai 2018 au 2 juin 2018**

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[21] **2,954,499**  
[13] A1

[51] **Int.Cl. E04F 15/18 (2006.01) E04F 15/024 (2006.01) E04F 15/22 (2006.01)**

[25] EN

[54] **MODULAR RAISED FLOOR SYSTEM**

[54] **SYSTEME DE PLANCHER SURELEVE MODULAIRE**

[72] GOSLING, GEOFF W., CA

[72] SMED, MOGENS F., CA

[72] BROWN, THOMAS, CA

[71] DIRTT ENVIRONMENTAL SOLUTIONS, LTD., CA

[22] 2017-01-13

[41] 2018-06-01

[30] US (15/366,709) 2016-12-01

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[21] **2,955,745**  
[13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 11/00 (2016.01) A01H 1/00 (2006.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **SOYBEAN VARIETY MN11278981**

[54] **VARIETE DE SOJA MN11278981**

[72] SCHULTZE, DENNIS, US

[71] AGRIGENETICS, INC., US

[22] 2017-01-23

[41] 2018-06-01

[30] US (62/428,805) 2016-12-01

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[21] **2,956,211**  
[13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 11/00 (2016.01) A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01)**

[25] EN

[54] **SOYBEAN VARIETY SM14328903**

[54] **VARIETE DE SOJA SM14328903**

[72] ROJAS, EVELYN VALERA, CA

[72] GREASON, KARI, CA

[71] AGRIGENETICS, INC., US

[22] 2017-01-25

[41] 2018-06-01

[30] US (62/428,811) 2016-12-01

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[21] **2,954,721**  
[13] A1

[51] **Int.Cl. F25D 23/00 (2006.01) B67D 1/12 (2006.01) F25D 23/12 (2006.01)**

[25] EN

[54] **FULLY SEALED WATER DISPENSER MECHANISM**

[54] **MECANISME DE DISTRIBUTION D'EAU ENTIEREMENT SCELLE**

[72] THAYYULLATHIL, JEMSHEER, US

[72] ORTNER, MATTHEW, US

[71] VIKING RANGE, LLC, US

[22] 2017-01-13

[41] 2018-05-30

[30] US (15/365,531) 2016-11-30

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[21] **2,955,843**  
[13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 11/00 (2016.01) A01H 1/00 (2006.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **SOYBEAN VARIETY MN11277371**

[54] **VARIETE DE SOJA MN11277371**

[72] SCHULTZE, DENNIS, US

[71] AGRIGENETICS, INC., US

[22] 2017-01-24

[41] 2018-06-01

[30] US (62/428,829) 2016-12-01

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[21] **2,956,223**  
[13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 11/00 (2016.01) A01H 1/00 (2006.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01)**

[25] EN

[54] **SOYBEAN VARIETY SM14307266**

[54] **VARIETE DE SOJA SM14307266**

[72] ROJAS, EVELYN VALERA, CA

[72] GREASON, KARI, CA

[71] AGRIGENETICS, INC., US

[22] 2017-01-25

[41] 2018-06-01

[30] US (62/428,827) 2016-12-01

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[21] **2,955,741**  
[13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 11/00 (2016.01) A01H 1/00 (2006.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **SOYBEAN VARIETY SM14299337**

[54] **VARIETE DE SOJA SM14299337**

[72] ROJAS, EVELYN VALERA, CA

[72] GREASON, KARI, CA

[71] AGRIGENETICS, INC., US

[22] 2017-01-23

[41] 2018-06-01

[30] US (62/428,819) 2016-12-01

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[21] **2,955,847**  
[13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 11/00 (2016.01) A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **SOYBEAN VARIETY AM10995468**

[54] **VARIETE DE SOJA AM10995468**

[72] HAYES, MARK F., US

[71] AGRIGENETICS, INC., US

[22] 2017-01-24

[41] 2018-06-01

[30] US (62/428,810) 2016-12-01

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[21] **2,956,622**  
[13] A1

[51] **Int.Cl. F16T 1/08 (2006.01)**

[25] EN

[54] **THERMOSTATIC STEAM TRAP**

[54] **PIEGE A VAPEUR THERMOSTATIQUE**

[72] WINGERATH, CHRISTIAN, DE

[71] VELAN INC., CA

[22] 2017-01-31

[41] 2018-05-29

[30] US (62/427,718) 2016-11-29

[30] US (15/420,095) 2017-01-31

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[21] **2,959,823**  
[13] A1

[51] **Int.Cl. F16L 3/18 (2006.01)**  
[25] EN  
[54] **SLIDE BEARING PLATES, PIPE SUPPORT STANDS, AND RELATED METHODS OF USE**  
[54] **PLAQUES DE PALIER COULISSANT, SUPPORTS DE TUYAU ET METHODES D'UTILISATION ASSOCIEES**  
[72] MAIER, DEAN R., CA  
[72] LONGMIRE, ANDREW J., CA  
[71] SKAALERUD, SHERYL, CA  
[71] MAIER, DEAN R., CA  
[22] 2017-03-02  
[41] 2018-05-30  
[30] CA (2,950,070) 2016-11-30

[21] **2,963,647**  
[13] A1

[51] **Int.Cl. A47J 37/12 (2006.01)**  
[25] EN  
[54] **ELECTRIC FRYER**  
[54] **FRITEUSE ELECTRIQUE**  
[72] MURAD, URI, US  
[72] MAN, KAIMONG, CN  
[71] NINGBO BIYI ELECTRIC APPLIANCE CO., LTD, CN  
[71] TEAM INTERNATIONAL GROUP OF AMERICA INC., US  
[22] 2017-04-10  
[41] 2018-06-02  
[30] US (15/367,689) 2016-12-02  
[30] US (15/444,166) 2017-02-27

[21] **2,964,529**  
[13] A1

[51] **Int.Cl. A47G 19/14 (2006.01) A47J 31/18 (2006.01)**  
[25] EN  
[54] **POT**  
[54] **POT**  
[72] LIU, SHENG-YU, TW  
[71] FREE-FREE INDUSTRIAL CORP., TW  
[22] 2017-04-18  
[41] 2018-05-28  
[30] TW (105139060) 2016-11-28

[21] **2,966,148**  
[13] A1

[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 30/00 (2012.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR MONITORING PRODUCT RECALLS**  
[54] **SYSTEMES ET METHODES DE SURVEILLANCE DE RAPPELS DE PRODUITS**  
[72] MILLHOUSE, ANDREW B., US  
[71] WAL-MART STORES, INC., US  
[22] 2017-05-04  
[41] 2018-05-28  
[30] US (62/426,762) 2016-11-28

[21] **2,967,483**  
[13] A1

[51] **Int.Cl. A45D 24/44 (2006.01)**  
[25] EN  
[54] **COMB ACCESSORY**  
[54] **ACCESSOIRE DE PEIGNE**  
[72] KRISHEVSKI, AHARON, IL  
[71] KRISHEVSKI, AHARON, IL  
[22] 2017-05-17  
[41] 2018-05-27  
[30] US (62/426,530) 2016-11-27

[21] **2,971,456**  
[13] A1

[51] **Int.Cl. A47B 91/06 (2006.01) A47B 91/16 (2006.01)**  
[25] EN  
[54] **SELF-ADJUSTING FURNITURE GLIDE**  
[54] **PATIN DE MEUBLE A AJUSTEMENT AUTOMATIQUE**  
[72] CARPINELLA, RALPH, US  
[71] CARPIN MANUFACTURING, INC., US  
[22] 2017-06-21  
[41] 2018-06-01  
[30] US (15/366,491) 2016-12-01

[21] **2,973,442**  
[13] A1

[51] **Int.Cl. F01D 25/28 (2006.01) B64D 33/02 (2006.01) F02C 7/20 (2006.01)**  
[25] EN  
[54] **SUPPORT STRUCTURE FOR RADIAL INLET OF GAS TURBINE ENGINE**  
[54] **STRUCTURE DE SUPPORT DESTINEE A UNE ENTREE RADIALE D'UNE TURBINE A GAZ**  
[72] HO, ERIC, CA  
[72] ZEINALOV, JAMAL, CA  
[71] PRATT & WHITNEY CANADA CORP., CA  
[22] 2017-07-13  
[41] 2018-05-30  
[30] US (15/365,392) 2016-11-30

[21] **2,975,463**  
[13] A1

[51] **Int.Cl. A23L 27/30 (2016.01) A23L 27/00 (2016.01) A23L 2/60 (2006.01)**  
[25] EN  
[54] **COMPOSITIONS COMPRISING NATURAL SWEETENER COMBINATIONS AND FOOD AND BEVERAGE PRODUCTS COMPRISING SAME**  
[54] **COMPOSITIONS RENFERMANT DES COMBINAISONS D'EDULCORANT NATUREL, ET ALIMENT ET BOISSON RENFERMANT LESDITES COMPOSITIONS**  
[72] BILBE, DREW BENJAMIN, AU  
[72] DOUGLAS, TROY ALEXANDER FINDLAY, AU  
[71] NEXBA IP PTY LTD, AU  
[22] 2017-08-03  
[41] 2018-05-28  
[30] US (62/426,852) 2016-11-28

[21] **2,975,690**  
[13] A1

[51] **Int.Cl. F01D 11/20 (2006.01) F01D 9/02 (2006.01) F01D 17/16 (2006.01)**  
[25] EN  
[54] **GAS TURBINE ENGINE BLEED CONFIGURATION**  
[54] **CONFIGURATION DE PURGE DE MOTEUR DE TURBINE A GAZ**  
[72] DUONG, HIEN, CA  
[71] PRATT & WHITNEY CANADA CORP., CA  
[22] 2017-08-07  
[41] 2018-06-02  
[30] US (15/367,220) 2016-12-02

**Demandes canadiennes mises à la disponibilité du public**  
**27 mai 2018 au 2 juin 2018**

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[21] **2,976,549**  
[13] A1

[51] **Int.Cl. F02C 7/14 (2006.01) B64D 33/08 (2006.01) F01D 25/12 (2006.01) F28D 20/02 (2006.01)**

[25] EN

[54] **COOLING SYSTEM AND METHOD FOR GAS TURBINE ENGINE**

[54] **SYSTEME DE REFROIDISSEMENT ET METHODE DESTINES A UNE TURBINE A GAZ**

[72] MENHEERE, DAVID, CA  
[72] ALECU, DANIEL, CA  
[71] PRATT & WHITNEY CANADA CORP., CA  
[22] 2017-08-15  
[41] 2018-06-02  
[30] US (15/367,450) 2016-12-02

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[21] **2,976,550**  
[13] A1

[51] **Int.Cl. F02C 7/14 (2006.01) B64D 33/08 (2006.01) F01D 25/12 (2006.01) F28D 20/02 (2006.01) F28F 23/00 (2006.01)**

[25] EN

[54] **CONDENSATION COOLING SYSTEM FOR GAS TURBINE ENGINE**

[54] **SYSTEME DE REFROIDISSEMENT PAR CONDENSATION DESTINE A UNE TURBINE A GAZ**

[72] MENHEERE, DAVID, CA  
[72] ALECU, DANIEL, CA  
[71] PRATT & WHITNEY CANADA CORP., CA  
[22] 2017-08-15  
[41] 2018-06-02  
[30] US (62/429,326) 2016-12-02  
[30] US (15/373,049) 2016-12-08

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[21] **2,978,292**  
[13] A1

[51] **Int.Cl. F01D 17/16 (2006.01) F02C 7/057 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS OF REDUCING DISTORTIONS OF THE INLET AIRFLOW TO A TURBOMACHINE**

[54] **SYSTEMES ET METHODE DE REDUCTION DES DISTORSIONS D'UN FLUX D'AIR D'ENTREE D'UNE TURBOMACHINE**

[72] DUGE, ROBERT T., US  
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES INC., US  
[22] 2017-09-05  
[41] 2018-05-29  
[30] US (15/363,654) 2016-11-29

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[21] **2,978,742**  
[13] A1

[51] **Int.Cl. G06F 17/30 (2006.01)**

[25] EN

[54] **WORKLOAD SHIFTING IN A DATABASE SYSTEM USING HINT-BASED ROUTING**

[54] **TRANSFERT DE CHARGE DE TRAVAIL DANS UN SYSTEME DE BASE DE DONNEES AU MOYEN DE ROUTAGE FONDE SUR UNE INFORMATION**

[72] LEE, CHUL WON, DE  
[72] JEONG, YONG WOOK, DE  
[72] YOON, MIN JI, DE  
[72] MCHARDY, IAN, DE  
[72] SINGHI, ABHISHEK, DE  
[72] ALBION, JEFF, DE  
[72] JONES, RICH, DE  
[71] SAP SE, DE  
[22] 2017-09-07  
[41] 2018-05-28  
[30] US (15/362,238) 2016-11-28

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[21] **2,979,472**  
[13] A1

[51] **Int.Cl. A47J 37/06 (2006.01) A47J 37/01 (2006.01) A47J 43/20 (2006.01)**

[25] EN

[54] **WAFFLE SANDWICH MAKER AND METHOD OF PREPARING A FOOD PRODUCT WITH THE WAFFLE SANDWICH MAKER**

[54] **MACHINE A FABRIQUER UN SANDWICH GAUFRE ET METHODE DE PREPARATION D'UN PRODUIT ALIMENTAIRE AU MOYEN DE LA MACHINE A FABRIQUER UN SANDWICH GAUFRE**

[72] LANGENFELD, ROBERTA M., US  
[72] STENVIK, RALPH A., US  
[72] SWANSON, LISA, US  
[72] FUENTES, KARLA M., US  
[72] WOLF, MICHELE K., US  
[72] HARDER, ZACHARY, US  
[72] RASMUSSEN, TODD A., US  
[72] LARSON, BRUCE D., US  
[72] SHANNYN, STUART, US  
[71] GENERAL MILLS, INC., US  
[22] 2017-09-18  
[41] 2018-05-29  
[30] US (15/363,695) 2016-11-29

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[21] **2,979,790**  
[13] A1

[51] **Int.Cl. B23P 19/04 (2006.01) B64F 5/10 (2017.01) B23P 23/00 (2006.01) B23Q 41/00 (2006.01) B25J 5/02 (2006.01) B25J 9/00 (2006.01)**

[25] EN

[54] **COMPOUND CONTOUR VACUUM TRACK FOR AUTOMATION OF FINAL ASSEMBLY FROM THE INTERIOR OF A FUSELAGE**

[54] **RAIL D'ASPIRATION DE CONTOUR COMPOSE DESTINE A L'AUTOMATISATION DE L'ASSEMBLAGE FINAL A PARTIR DE L'INTERIEUR D'UN FUSELAGE**

[72] CHAN, KWOK TUNG, JR., US  
[72] SISCO, TANNI, US  
[72] HARTMANN, JOHN, US  
[72] TOMCHICK, SCOTT CHARLES, US  
[72] MESTEMACHER, FRANK CHARLES, US  
[71] THE BOEING COMPANY, US  
[22] 2017-09-20  
[41] 2018-05-30  
[30] US (15/365426) 2016-11-30

**Canadian Applications Open to Public Inspection  
May 27, 2018 to June 2, 2018**

[21] **2,979,862**  
[13] A1

[51] **Int.Cl. B23P 19/04 (2006.01) B64F 5/10 (2017.01) B25J 9/00 (2006.01) B25J 19/02 (2006.01) B64C 1/06 (2006.01)**

[25] EN

[54] **AUTOMATED FASTENING MACHINE USING A COMPOUND CONTOUR VACUUM TRACK FOR AUTOMATION OF FINAL ASSEMBLY FROM THE INTERIOR OF A FUSELAGE**

[54] **MACHINE DE FIXATION AUTOMATISEE EMPLOYANT UN RAIL D'ASPIRATION DE CONTOUR COMPOSE DESTINE A L'AUTOMATISATION DE L'ASSEMBLAGE FINAL A PARTIR DE L'INTERIEUR D'UN FUSELAGE**

[72] CHAN, KWOK TUNG, JR., US  
[72] SISCO, TANNI, US  
[72] HARTMANN, JOHN, US  
[72] TOMCHICK, SCOTT CHARLES, US  
[72] MESTEMACHER, FRANK CHARLES, US  
[72] HANSONSMITH, RILEY, US  
[71] THE BOEING COMPANY, US  
[22] 2017-09-21  
[41] 2018-05-30  
[30] US (15/365441) 2016-11-30

[21] **2,980,021**  
[13] A1

[51] **Int.Cl. E21B 33/04 (2006.01) E21B 19/06 (2006.01)**

[25] EN

[54] **TUBING HANGER ASSEMBLY WITH WELLBORE ACCESS, AND METHOD OF ACCESSING A WELLBORE**

[54] **DISPOSITIF DE SUSPENSION DE COLONNE DE PRODUCTION DOTE D'UN ACCES AU TROU DE FORAGE, ET METHODE D'ACCES A UN TROU DE FORAGE**

[72] ROSS, STEPHEN C., US  
[71] ROSS, JERRY D., US  
[22] 2017-09-22  
[41] 2018-05-29  
[30] US (62/427,393) 2016-11-29  
[30] US (15/704,762) 2017-09-14

[21] **2,980,052**  
[13] A1

[51] **Int.Cl. C22F 1/10 (2006.01) C22C 19/05 (2006.01) C22C 30/00 (2006.01) C22F 1/00 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING NI-BASED SUPERALLOY MATERIAL**

[54] **METHODE DE PRODUCTION D'UN MATERIAU DE SUPERALLIAGE A BASE DE NI**

[72] NARITA, SHUJI, JP  
[72] IZUMI, KOHKI, JP  
[72] YAMASHITA, KENTA, JP  
[72] UETA, SHIGEKI, JP  
[71] DAIDO STEEL CO., LTD., JP  
[22] 2017-09-22  
[41] 2018-05-28  
[30] JP (2016-230365) 2016-11-28

[21] **2,980,063**  
[13] A1

[51] **Int.Cl. C22F 1/10 (2006.01) C22C 19/05 (2006.01) C22C 30/00 (2006.01) C22F 1/00 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING NI-BASED SUPERALLOY MATERIAL**

[54] **METHODE DE PRODUCTION D'UN MATERIAU DE SUPERALLIAGE A BASE DE NI**

[72] NARITA, SHUJI, JP  
[72] IZUMI, KOHKI, JP  
[72] YAMASHITA, KENTA, JP  
[72] UETA, SHIGEKI, JP  
[71] DAIDO STEEL CO., LTD., JP  
[22] 2017-09-22  
[41] 2018-05-28  
[30] JP (2016-230364) 2016-11-28

[21] **2,982,004**  
[13] A1

[51] **Int.Cl. F02C 7/052 (2006.01) F02C 7/05 (2006.01) F02C 9/00 (2006.01) F02C 9/16 (2006.01)**

[25] EN

[54] **CONTROL TECHNOLOGIES FOR TURBINE ENGINE WITH INTEGRATED INLET PARTICLE SEPARATOR AND INFRARED SUPPRESSION SYSTEM**

[54] **TECHNOLOGIES DE CONTROLE DESTINEES A UNE TURBINE DOTEES D'UN SEPARATEUR DE PARTICULE D'ENTREE INTEGREE ET D'UN SYSTEME DE SUPPRESSION INFRAROUGE**

[72] ZELLER, ROBERT J., US  
[72] SKERTIC, RICHARD J., US  
[72] DOUGHERTY, MICHAEL P., US  
[72] CLINE, C. HARVEY O., US  
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US  
[71] ROLLS-ROYCE CORPORATION, US  
[22] 2017-10-11  
[41] 2018-05-30  
[30] US (15/364909) 2016-11-30

[21] **2,982,566**  
[13] A1

[51] **Int.Cl. B63C 1/12 (2006.01) B63B 35/85 (2006.01)**

[25] EN

[54] **SMALL WATERCRAFT LAUNCH RAMPE DESTINEE A UNE PETITE EMBARCATION**

[72] IMEL, DUSTIN, US  
[72] WALD, ADAM, US  
[72] MOLOHON, LARRY D., US  
[71] E-Z DOCK, INC., US  
[22] 2017-10-16  
[41] 2018-05-30  
[30] US (62/428,365) 2016-11-30



**Demandes canadiennes mises à la disponibilité du public**  
**27 mai 2018 au 2 juin 2018**

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[21] **2,982,914**  
[13] A1

[51] **Int.Cl. A61F 7/00 (2006.01) A61L 31/08 (2006.01) A61L 31/16 (2006.01) A61M 35/00 (2006.01)**

[25] EN

[54] **DEVICES FOR APPLYING A TOPICAL TREATMENT**

[54] **DISPOSITIFS SERVANT A APPLIQUER UN TRAITEMENT TOPIQUE**

[72] FIA, ROBERTO, CA

[72] BATTISTUZZI, MAURIZIO, CA

[71] THE JENEX CORPORATION, CA

[22] 2017-10-18

[41] 2018-05-28

[30] US (62/426,889) 2016-11-28

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[21] **2,982,965**  
[13] A1

[51] **Int.Cl. F02C 7/28 (2006.01) F02C 7/20 (2006.01)**

[25] EN

[54] **SEAL ASSEMBLY FOR GAS TURBINE ENGINE COMPONENTS**

[54] **ASSEMBLAGE DE JOINT DESTINE AUX COMPOSANTES DE TURBINE A GAZ**

[72] VETTERS, DANIEL K., US

[72] SIPPEL, AARON D., US

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

[71] ROLLS-ROYCE CORPORATION, US

[22] 2017-10-19

[41] 2018-05-29

[30] US (15/363,730) 2016-11-29

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[21] **2,983,318**  
[13] A1

[51] **Int.Cl. B64C 1/14 (2006.01) B64C 27/04 (2006.01)**

[25] EN

[54] **A ROTARY WING AIRCRAFT WITH A SLIDING ELEMENT, IN PARTICULAR A SLIDING DOOR OR A SLIDING WINDOW**

[54] **UN AERONEF A VOILURE ROTATIVE DOTE D'UN ELEMENT COULISSANT, EN PARTICULIER UNE PORTE COULISSANTE OU UNE FENETRE COULISSANTE**

[72] VAYSSIERE, AURELIEN, DE

[72] FRUITET, PIERRE, FR

[72] JOUSSELIN, FABRICE, FR

[72] SIENICKI, ROBERT, PL

[72] TAZBIR, BARTIOMIEJ, PL

[72] MROZ, MICHAL, PL

[72] REIN, BERNHARD, DE

[71] AIRBUS HELICOPTERS DEUTSCHLAND GMBH, DE

[71] AIRBUS HELICOPTERS, FR

[22] 2017-10-20

[41] 2018-05-28

[30] EP (16400054.9) 2016-11-28

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[21] **2,983,709**  
[13] A1

[51] **Int.Cl. A47F 3/04 (2006.01) E06B 3/66 (2006.01) E06B 3/67 (2006.01) F25D 21/08 (2006.01) F25D 23/00 (2006.01) H05B 3/86 (2006.01) B32B 3/08 (2006.01) B32B 17/00 (2006.01) C09D 5/24 (2006.01)**

[25] EN

[54] **VACUUM INSULATED GLASS ASSEMBLY WITH HEATED COATING**

[54] **ASSEMBLAGE DE VERRE ISOLE AU VIDE DOTE D'UN REVETEMENT CHAUFFE**

[72] ARTWOHL, PAUL J., US

[72] NOCHOLSON, JEFFERY W., US

[72] ROLEK, MATTHEW, US

[72] SANDNES, MARK, US

[71] ANTHONY, INC., US

[22] 2017-10-23

[41] 2018-05-28

[30] US (15/362,552) 2016-11-28

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[21] **2,984,347**  
[13] A1

[51] **Int.Cl. C22C 19/05 (2006.01) B22D 25/02 (2006.01)**

[25] EN

[54] **NICKEL BASE CASTING ALLOY, CASTING, AND METHOD FOR MANUFACTURING AN IMPELLER OF A ROTARY MACHINE**

[54] **ALLIAGE DE COULAGE A BASE DE NICKEL, COULAGE ET METHODE DE FABRICATION D'UNE HELICE D'UNE MACHINE ROTATIVE**

[72] LUKEZIC, DAVID, CH

[71] SULZER MANAGEMENT AG, CH

[22] 2017-10-31

[41] 2018-05-29

[30] EP (16201193.6) 2016-11-29

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[21] **2,984,355**  
[13] A1

[51] **Int.Cl. B60D 1/01 (2006.01) B64F 5/60 (2017.01) B60D 1/24 (2006.01) B64F 1/10 (2006.01)**

[25] EN

[54] **TRAILER-MOUNTED MOCK LANDING GEAR**

[54] **TRAIN D'ATTERRISSAGE SIMULE INSTALLE SUR UNE REMORQUE**

[72] BRUNCKHORST, CHRISTIAN, US

[72] BRIMLOW, NICHOLAS JAMES, US

[71] THE BOEING COMPANY, US

[22] 2017-10-27

[41] 2018-06-02

[30] US (15/367,981) 2016-12-02

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[21] **2,984,972**  
[13] A1

[51] **Int.Cl. B60W 20/10 (2016.01) B60W 20/30 (2016.01)**

[25] EN

[54] **CONTROL DEVICE AND CONTROL METHOD FOR HYBRID VEHICLE**

[54] **DISPOSITIF DE CONTROLE ET METHODE DE CONTROLE DE VEHICULE HYBRIDE**

[72] KOBAYASHI, NOBUFUSA, JP

[72] YOSHIKAWA, MASATO, JP

[72] KUMAZAKI, KENTA, JP

[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP

[22] 2017-11-08

[41] 2018-05-29

[30] JP (2016-231853) 2016-11-29

**Canadian Applications Open to Public Inspection  
May 27, 2018 to June 2, 2018**

[21] **2,985,422**  
[13] A1

[51] **Int.Cl. A61B 17/072 (2006.01) A61B 17/32 (2006.01)**  
[25] EN  
[54] **SURGICAL STAPLING INSTRUMENT WITH CURVED END EFFECTOR**  
[54] **INSTRUMENT D'AGRAFAGE CHIRURGICAL A EFFECTEUR D'EXTREMITE COURBE**  
[72] SHANKARSETTY, JEEVAN MADDUR, IN  
[72] KALEPU, HARI NAGA, IN  
[71] COVIDIEN LP, US  
[22] 2017-11-14  
[41] 2018-06-02  
[30] IN (201611041364) 2016-12-02

[21] **2,985,443**  
[13] A1

[51] **Int.Cl. E21B 33/12 (2006.01) E21B 17/00 (2006.01) E21B 41/00 (2006.01)**  
[25] EN  
[54] **CONTROL LINE RETAINER FOR A DOWNHOLE TOOL**  
[54] **DISPOSITIF DE RETENUE DE LIGNE DE COMMANDE D'UN OUTIL DE FOND DE TROU**  
[72] GOODMAN, BRANDON C., US  
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US  
[22] 2017-11-14  
[41] 2018-05-29  
[30] US (15/362,987) 2016-11-29

[21] **2,985,536**  
[13] A1

[51] **Int.Cl. H01H 1/58 (2006.01) H01H 71/08 (2006.01) H01R 4/38 (2006.01)**  
[25] EN  
[54] **INSTALLATION SWITCHING DEVICE HAVING A CONTACT CLAMP**  
[54] **DISPOSITIF DE COMMUTEUR D'INSTALLATION EQUIPE D'UNE PINCE DE CONTACT**  
[72] WEBER, RALF, DE  
[72] MUDERS, ERWIN, DE  
[72] EPPE, KLAUS-PETER, DE  
[72] ORBAN, ALEXANDER, DE  
[71] ABB SCHWEIZ AG, CH  
[22] 2017-11-14  
[41] 2018-05-28  
[30] DE (10 2016 122 852.4) 2016-11-28

[21] **2,985,757**  
[13] A1

[51] **Int.Cl. F16K 31/05 (2006.01) F16H 3/06 (2006.01) F16H 3/20 (2006.01) F16H 63/50 (2006.01) F16K 35/00 (2006.01) H01H 3/32 (2006.01)**  
[25] EN  
[54] **REGULATING OPERATION OF A DRIVE ASSEMBLY FOR MANUAL OVERRIDE OF AN ACTUATOR**  
[54] **REGULATION DU FONCTIONNEMENT D'UN MECANISME D'ENTRAINEMENT DE REPRISE MANUELLE D'UN ACTIONNEUR**  
[72] FOWLER, ROBERT ERLING, US  
[72] REGENBRECHT, KURT DOUGLAS, US  
[71] DRESSER, INC., US  
[22] 2017-11-16  
[41] 2018-05-27  
[30] US (15/361,429) 2016-11-27

[21] **2,985,758**  
[13] A1

[51] **Int.Cl. F21V 15/01 (2006.01) F21K 9/27 (2016.01) F21S 8/02 (2006.01) F21V 21/04 (2006.01)**  
[25] EN  
[54] **TROFFER RETROFIT KIT**  
[54] **TROUSSE D'ADAPTATION DE CHEMIN LUMINEUX ENCASTRE**  
[72] PRICE, ALEX KENDALL, US  
[71] GE LIGHTING SOLUTIONS, LLC, US  
[22] 2017-11-16  
[41] 2018-05-30  
[30] US (15/364,924) 2016-11-30

[21] **2,985,759**  
[13] A1

[51] **Int.Cl. F16F 1/12 (2006.01) F16F 1/10 (2006.01) F16P 1/00 (2006.01)**  
[25] EN  
[54] **REDUCING SPRING LOAD PRIOR TO MAINTENANCE ON AN ACTUATOR**  
[54] **REDUCTION DE LA CHARGE DE RESSORT AVANT L'ENTRETIEN D'UN ACTIONNEUR**  
[72] REGENBRECHT, KURT DOUGLAS, US  
[71] DRESSER, INC., US  
[22] 2017-11-16  
[41] 2018-05-27  
[30] US (15/361,427) 2016-11-27

[21] **2,985,767**  
[13] A1

[51] **Int.Cl. B60K 11/06 (2006.01) B60K 11/08 (2006.01) B60K 15/00 (2006.01) B60K 15/01 (2006.01)**  
[25] EN  
[54] **VEHICLE**  
[54] **VEHICULE**  
[72] EBERSPACH, GUNTER, DE  
[72] JENSEN, HANS, DE  
[71] EBERSPACHER CLIMATE CONTROL SYSTEMS GMBH & CO. KG, DE  
[22] 2017-11-15  
[41] 2018-06-02  
[30] DE (10 2016 123 323.4) 2016-12-02

[21] **2,985,775**  
[13] A1

[51] **Int.Cl. F16B 7/00 (2006.01) B21D 37/00 (2006.01)**  
[25] EN  
[54] **COLLAR AND SHAFT ASSEMBLY**  
[54] **ASSEMBLAGE DE COLLIER ET TIGE**  
[72] BREEN, SCOTT M., US  
[72] PYPHER, JOEL T., US  
[71] STANDARD LIFTERS, INC., US  
[22] 2017-11-16  
[41] 2018-05-30  
[30] US (62/428,008) 2016-11-30  
[30] US (15/801,659) 2017-11-02

[21] **2,986,396**  
[13] A1

[51] **Int.Cl. G01F 15/075 (2006.01) G05B 17/02 (2006.01)**  
[25] EN  
[54] **CALCULATION METHOD FOR COMPRESSED AIR-FLOW RATE, CALCULATION DEVICE THEREOF, AND STORAGE MEDIUM**  
[54] **METHODE DE CALCUL DE DEBIT D'AIR COMPRIE, APPAREIL DE CALCUL ASSOCIE ET SUPPORT DE STOCKAGE**  
[72] KITAGAWA, HIROKAZU, JP  
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP  
[22] 2017-11-22  
[41] 2018-05-30  
[30] JP (2016-232980) 2016-11-30

**Demandes canadiennes mises à la disponibilité du public**  
**27 mai 2018 au 2 juin 2018**

[21] **2,986,539**  
 [13] A1

[51] **Int.Cl. G03G 9/08 (2006.01)**  
 [25] EN  
 [54] **METALLIC TONER COMPRISING METAL INTEGRATED PARTICLES**  
 [54] **ENCRE SECHE COMPORTANT DES PARTICULES METALLIQUES INTEGREEES**  
 [72] JAN, LINDA, US  
 [71] XEROX CORPORATION, US  
 [22] 2017-11-23  
 [41] 2018-06-02  
 [30] US (15/367,755) 2016-12-02

[21] **2,986,601**  
 [13] A1

[51] **Int.Cl. G01N 23/223 (2006.01) G01N 37/00 (2006.01)**  
 [25] EN  
 [54] **X-RAY FLUORESCENCE (XRF) ELEMENTAL ANALYSIS FOR PREDICTION OF OIL SANDS PROCESS VARIABLES**  
 [54] **ANALYSE ELEMENTAIRE DE FLUORESCENCE AUX RAYONS X DESTINEE A LA PREDICTION DES VARIABLES DE PROCEDE DE SABLES BITUMINEUX**  
 [72] GARVER, THEODORE MEYER, CA  
 [72] ZHANG, MIN, CA  
 [72] DAUGELA, DARCY, CA  
 [71] INNOTECH ALBERTA INC., CA  
 [22] 2017-11-23  
 [41] 2018-05-28  
 [30] US (62/427,051) 2016-11-28

[21] **2,986,623**  
 [13] A1

[51] **Int.Cl. A61B 17/221 (2006.01) A61M 1/00 (2006.01) A61M 25/00 (2006.01) A61M 25/10 (2013.01)**  
 [25] EN  
 [54] **DEVICES AND METHODS FOR REMOVAL OF ACUTE BLOCKAGES FROM BLOOD VESSELS**  
 [54] **DISPOSITIFS ET METHODE D'ELIMINATION DE BLOCAGES AIGUS DES VAISSEAUX SANGUINS**  
 [72] VALE, DAVID, IE  
 [72] CASEY, BRENDAN, IE  
 [72] GILVARRY, MICHAEL, IE  
 [72] MCARDLE, KEVIN, IE  
 [72] HOLIAN, MAEVE, IE  
 [72] HARDIMAN, DAVID, IE  
 [72] KEANE, ALAN, IE  
 [72] KING, DANIEL, IE  
 [72] O'GORMAN, JACQUELINE, IE  
 [72] BRADY, EAMON, IE  
 [71] NEURAVI LIMITED, IE  
 [22] 2017-11-24  
 [41] 2018-05-28  
 [30] US (15/362,377) 2016-11-28

[21] **2,986,628**  
 [13] A1

[51] **Int.Cl. A61B 34/20 (2016.01) A61B 34/00 (2016.01) A61B 5/055 (2006.01) A61B 6/03 (2006.01)**  
 [25] EN  
 [54] **VISUALIZATION OF DISTANCES TO WALLS OF ANATOMICAL CAVITIES**  
 [54] **VISUALISATION DES DISTANCES AUX PAROIS DES CAVITES ANATOMIQUES**  
 [72] GLINER, VADIM, IL  
 [72] ALTMANN, ANDRES CLAUDIO, IL  
 [72] MAYER, RAM BERNARD, IL  
 [71] BIOSENSE WEBSTER (ISRAEL) LTD., IL  
 [22] 2017-11-23  
 [41] 2018-05-29  
 [30] US (15/364,156) 2016-11-29

[21] **2,986,629**  
 [13] A1

[51] **Int.Cl. G16H 30/40 (2018.01) A61B 90/00 (2016.01) A61B 6/03 (2006.01)**  
 [25] EN  
 [54] **IMPROVED VISUALIZATION OF ANATOMICAL CAVITIES**  
 [54] **VISUALISATION AMELIOREE DES CAVITES ANATOMIQUES**  
 [72] GLINER, VADIM, IS  
 [72] ALTMANN, ANDRES CLAUDIO, IL  
 [72] MAYER, RAM BERNARD, IL  
 [71] BIOSENSE WEBSTER (ISRAEL) LTD., IL  
 [22] 2017-11-23  
 [41] 2018-05-29  
 [30] US (15/364,144) 2016-11-29

[21] **2,986,632**  
 [13] A1

[51] **Int.Cl. A61L 2/24 (2006.01) A61L 2/16 (2006.01) A61L 2/20 (2006.01)**  
 [25] EN  
 [54] **STERILIZATION SYSTEM WITH INDEPENDENT VACUUM CHAMBERS**  
 [54] **SYSTEME DE STERILISATION A CHAMBRES A VIDE INDEPENDANTES**  
 [72] OMIDBAKSHI, NAVID, US  
 [71] ETHICON, INC., US  
 [22] 2017-11-23  
 [41] 2018-05-29  
 [30] US (62/427,255) 2016-11-29  
 [30] US (15/618,295) 2017-06-09

[21] **2,986,641**  
 [13] A1

[51] **Int.Cl. A61B 34/20 (2016.01) G06T 7/30 (2017.01) A61B 5/05 (2006.01) A61B 6/03 (2006.01) A61B 8/12 (2006.01) A61B 8/13 (2006.01) G06T 5/00 (2006.01)**  
 [25] EN  
 [54] **COMPUTERIZED TOMOGRAPHY IMAGE CORRECTION**  
 [54] **CORRECTION D'IMAGE DE TOMOGRAPHIE INFORMATISEE**  
 [72] GOVARI, ASSAF, IL  
 [72] GLINER, VADIM, IL  
 [71] BIOSENSE WEBSTER (ISRAEL) LTD., IL  
 [22] 2017-11-23  
 [41] 2018-05-28  
 [30] US (15/362,518) 2016-11-28

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[21] **2,986,725**  
[13] A1

[51] **Int.Cl. G01V 9/00 (2006.01) E21B 43/00 (2006.01)**  
[25] FR  
[54] **EXPLORATION PROCESS FOR A HYDROCARBON DEPOSIT BY PRODUCTION HISTORY SETTING AS A FUNCTION OF DIAGENESIS**  
[54] **PROCEDE D'EXPLOITATION D'UN GISEMENT D'HYDROCARBURES PAR CALAGE D'HISTORIQUE DE PRODUCTION FONCTION DE LA DIAGENESE**  
[72] LE RAVALEC, MICKAELE, FR  
[72] BARBIER, MICKAEL, FR  
[72] LEON CARRERA, MARIA FERNANDA, ES  
[72] DOLIGEZ, BRIGITTE, FR  
[71] IFP ENERGIES NOUVELLES, FR  
[71] REPSOL, S.A., ES  
[22] 2017-11-24  
[41] 2018-05-29  
[30] FR (16 61 634) 2016-11-29

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[21] **2,986,733**  
[13] A1

[51] **Int.Cl. E21B 49/08 (2006.01)**  
[25] FR  
[54] **EXPLORATION AND/OR MONITORING PROCESS FOR AN AQUIFER CONTAINING AT LEAST ONE DISSOLVED GAS**  
[54] **PROCEDE D'EXPLOITATION ET/OU DE SURVEILLANCE D'UN AQUIFERE COMPORTANT AU MOINS UN GAZ DISSOUS**  
[72] ROUCHON, VIRGILE, FR  
[72] BEAUMONT, VALERIE, FR  
[72] GARCIA, BRUNO, FR  
[72] DURAND, ISABELLE, FR  
[71] IFP ENERGIES NOUVELLES, FR  
[22] 2017-11-23  
[41] 2018-05-28  
[30] FR (16 61 559) 2016-11-28

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[21] **2,986,782**  
[13] A1

[51] **Int.Cl. F24F 13/04 (2006.01) F24F 12/00 (2006.01)**  
[25] EN  
[54] **COMBINED ECONOMIZER AND MIXER FOR AIR HANDLING UNIT**  
[54] **ECONOMISEUR ET MELANGEUR COMBINES DESTINES A UN APPAREIL DE TRAITEMENT DE L'AIR**  
[72] PAVOL, JEFFREY MARK, US  
[72] DORSTE, DAVID CHARLES, US  
[72] DEEMS, KEVIN, US  
[71] BLENDER PRODUCTS, INC., US  
[22] 2017-11-27  
[41] 2018-06-01  
[30] US (15/366,756) 2016-12-01

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[21] **2,986,847**  
[13] A1

[51] **Int.Cl. F24F 13/04 (2006.01) F24F 12/00 (2006.01)**  
[25] EN  
[54] **COMBINED ECONOMIZER AND MIXER FOR AIR HANDLING UNIT**  
[54] **ECONOMISEUR ET MELANGEUR COMBINES DESTINES A UN APPAREIL DE TRAITEMENT DE L'AIR**  
[72] PAVOL, JEFFREY MARK, US  
[72] DORSTE, DAVID CHARLES, US  
[72] DEEMS, KEVIN, US  
[71] BLENDER PRODUCTS, INC., US  
[22] 2017-11-27  
[41] 2018-06-01  
[30] US (15/366,756) 2016-12-01

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[21] **2,986,851**  
[13] A1

[51] **Int.Cl. B64C 1/12 (2006.01) B64F 5/10 (2017.01) B64C 3/26 (2006.01)**  
[25] EN  
[54] **AIRCRAFT COMPOSITE PANEL ASSEMBLY AND MANUFACTURING METHOD THEREOF**  
[54] **ASSEMBLAGE DE PANNEAU COMPOSITE D'AERONEF ET METHODE DE FABRICATION ASSOCIEE**  
[72] ROCHER PASTOR, MIGUEL ANGEL, ES  
[72] TABERNERO MARTINEZ, VICTOR, ES  
[71] AIRBUS OPERATIONS, S.L., ES  
[22] 2017-11-28  
[41] 2018-05-29  
[30] EP (16382569.8) 2016-11-29

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[21] **2,986,856**  
[13] A1

[51] **Int.Cl. B05C 5/02 (2006.01)**  
[25] EN  
[54] **MULTI-BEAD APPLICATOR**  
[54] **APPLICATEUR MULTI-CORDON**  
[72] RUNDO, JOHN, US  
[72] RUNDO, MARK, US  
[72] JANOSKI, RONALD J., US  
[71] ADVANTEC BUILDING PRODUCTS, US  
[22] 2017-11-28  
[41] 2018-05-30  
[30] US (15/364,789) 2016-11-30

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**27 mai 2018 au 2 juin 2018**

[21] **2,986,857**  
[13] A1

[51] **Int.Cl. C10L 1/30 (2006.01) C10L 1/16 (2006.01) C10L 1/18 (2006.01) C10L 1/20 (2006.01) C10L 1/22 (2006.01) C10L 1/24 (2006.01) C10L 1/26 (2006.01) C10L 1/28 (2006.01)**

[25] EN

[54] **AVIATION GASOLINE CONTAINING BRANCHED AROMATICS WITH A MANGANESE OCTANE ENHANCER**

[54] **ESSENCE DE QUALITE AVION CONTENANT DES COMPOSES AROMATIQUES RAMIFIES DOTES D'UN AGENT D'ELEVATION D'OCTANE AU MANGANESE**

[72] MCAFEE, ZACHARY JOHN, US

[72] CALDERONE, JOSEPH ANTHONY, US

[71] AFTON CHEMICAL CORPORATION, US

[22] 2017-11-28

[41] 2018-06-01

[30] US (15/366,346) 2016-12-01

[21] **2,986,860**  
[13] A1

[51] **Int.Cl. G06K 9/80 (2006.01) H04N 21/80 (2011.01) G06N 3/02 (2006.01)**

[25] EN

[54] **FACE DETECTION USING SMALL-SCALE CONVOLUTIONAL NEURAL NETWORK (CNN) MODULES FOR EMBEDDED SYSTEMS**

[54] **DETECTION FACIALE AU MOYEN DE MODULES DE RESEAUX NEURAUX CONVOLUTIFS A PETITE ECHELLE DESTINES A DES SYSTEMES EMBARQUES**

[72] WANG, XING, CA

[72] SEYFI, MEHDI, CA

[72] CHEN, MINGHUA, CA

[72] NG, HIM WAI, CA

[72] LIANG, JIE, CA

[71] ALTUMVIEW SYSTEMS INC., CA

[22] 2017-11-28

[41] 2018-05-30

[30] US (62/428,497) 2016-11-30

[30] US (15/441,194) 2017-02-23

[30] US (15/657,109) 2017-07-21

[21] **2,986,864**  
[13] A1

[51] **Int.Cl. B26B 7/00 (2006.01)**

[25] FR

[54] **ELECTRIC KNIFE**

[54] **COUTEAU ELECTRIQUE**

[72] PEYROT, JEAN-CLAUDE, FR

[71] MURE ET PEYROT, FR

[22] 2017-11-28

[41] 2018-05-29

[30] FR (1661645) 2016-11-29

[21] **2,986,865**  
[13] A1

[51] **Int.Cl. A63B 69/00 (2006.01) A63B 63/00 (2006.01) A63B 69/40 (2006.01)**

[25] EN

[54] **HOCKEY TRAINING DEVICES**

[54] **DISPOSITIFS D'ENTRAINEMENT DE HOCKEY**

[72] GOLDWITZ, BRIAN, US

[71] GOLDWITZ, BRIAN, US

[22] 2017-11-28

[41] 2018-05-28

[30] US (15/823,539) 2017-11-27

[30] US (62/427,096) 2016-11-28

[21] **2,986,858**  
[13] A1

[51] **Int.Cl. B42D 25/00 (2014.01) B42D 25/36 (2014.01) G06K 19/02 (2006.01)**

[25] EN

[54] **WOOD INLAY CARD AND METHOD FOR MAKING THE SAME**

[54] **CARTE DOTEE D'UNE INCRUSTATION DE BOIS ET METHODE DE FABRICATION ASSOCIEE**

[72] SUTHAR, OM J., US

[71] CAPITAL ONE SERVICES, LLC, US

[22] 2017-11-28

[41] 2018-05-29

[30] US (62/427,634) 2016-11-29

[21] **2,986,863**  
[13] A1

[51] **Int.Cl. G06N 3/04 (2006.01)**

[25] EN

[54] **A CONVOLUTIONAL NEURAL NETWORK (CNN) SYSTEM BASED ON RESOLUTION-LIMITED SMALL-SCALE CNN MODULES**

[54] **UN SYSTEME DE RESEAU NEURAL CONVOLUTIF FONDE SUR DES MODULES DE RESEAU NEURAL CONVOLUTIF A PETITE ECHELLE ET RESOLUTION LIMITEE**

[72] WANG, XING, CA

[72] NG, HIM WAI, CA

[72] LIANG, JIE, CA

[71] ALTUMVIEW SYSTEMS INC., CA

[22] 2017-11-28

[41] 2018-05-30

[30] US (62/428,497) 2016-11-30

[30] US (15/441,194) 2017-02-23

[21] **2,986,867**  
[13] A1

[51] **Int.Cl. F16K 3/26 (2006.01) E03B 9/02 (2006.01) F16K 3/30 (2006.01)**

[25] EN

[54] **FIRE HYDRANT VALVE AND METHOD FOR CONTROLLING A WATER FLOW IN A FIRE HYDRANT CONDUIT**

[54] **VANNE DE BORNE-FONTAINE ET METHODE DE CONTROLE DE L'ECOULEMENT D'EAU DANS UN CONDUIT DE BORNE-FONTAINE**

[72] LAROUCHE, ROCH, CA

[72] DUVAL, MAURICE, CA

[72] GAGNON, BERNARD, CA

[71] 9309-0983 QUEBEC INC., CA

[22] 2017-11-28

[41] 2018-05-28

[30] US (62/426,789) 2016-11-28

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[21] **2,986,876**  
[13] A1

[51] **Int.Cl. C08L 95/00 (2006.01) C09D 7/20 (2018.01) C08K 5/549 (2006.01) C09D 195/00 (2006.01)**

[25] EN  
[54] **LOW VOC ASPHALT COMPOSITION**  
[54] **COMPOSITION D'ASPHALTE A FAIBLE TENEUR EN COV**

[72] GIRARDEAU, TOM, US  
[72] AYAMBEM, AMBA, US  
[71] HENRY COMPANY, LLC, US  
[22] 2017-11-28  
[41] 2018-05-28  
[30] US (62/426,636) 2016-11-28

[21] **2,986,963**  
[13] A1

[51] **Int.Cl. F23H 13/00 (2006.01) F23G 5/44 (2006.01) F23G 7/14 (2006.01) F23H 1/02 (2006.01)**

[25] EN  
[54] **METHOD AND APPARATUS FOR WASTE COMBUSTION**  
[54] **METHODE ET APPAREIL DE COMBUSTION DES DECHETS**

[72] ARAVA, SHIVAPRASAD, US  
[72] ARSAVA, KEMAL S., US  
[72] RANGWALA, ALI S., US  
[72] SEZER, HAYRI, US  
[72] WALAWALKAR, APOORV, US  
[72] RAGHAVAN, VASUDEVAN, US  
[71] WORCESTER POLYTECHNIC INSTITUTE, US  
[22] 2017-11-29  
[41] 2018-05-30  
[30] US (62/427,990) 2016-11-30

[21] **2,986,983**  
[13] A1

[51] **Int.Cl. G21C 17/00 (2006.01)**

[25] EN  
[54] **SYSTEM AND METHOD FOR NUCLEAR REACTOR INSPECTION**  
[54] **SYSTEME ET METHODE D'INSPECTION DE REACTEUR NUCLEAIRE**

[72] MORIKAWA, DAVID TARO, CA  
[71] ATS AUTOMATED TOOLING SYSTEMS INC., CA  
[22] 2017-11-29  
[41] 2018-05-29  
[30] US (62/427,414) 2016-11-29

[21] **2,986,990**  
[13] A1

[51] **Int.Cl. B42D 25/40 (2014.01) B42D 25/20 (2014.01) B42D 25/373 (2014.01) G06K 19/02 (2006.01)**

[25] EN  
[54] **TRANSACTION CARD HAVING AN ELECTRICALLY APPLIED COATING**  
[54] **CARTE DE TRANSACTION COMPORTANT UN REVETEMENT APPLIQUE ELECTRIQUEMENT**

[72] SUTHAR, OM J., US  
[71] CAPITAL ONE SERVICES, LLC, US  
[22] 2017-11-29  
[41] 2018-05-30  
[30] US (62/428,455) 2016-11-30

[21] **2,986,991**  
[13] A1

[51] **Int.Cl. A61K 36/9068 (2006.01) A61K 36/28 (2006.01) A61K 36/65 (2006.01) A61K 36/708 (2006.01) A61K 36/8945 (2006.01) A61K 36/9062 (2006.01) A61K 36/9064 (2006.01) A61P 17/00 (2006.01)**

[25] EN  
[54] **PHARMACEUTICAL COMPOSITION FOR TREATING ECZEMA AND METHOD FOR PREPARATION THEREOF**  
[54] **COMPOSITION PHARMACEUTIQUE DESTINEE AU TRAITEMENT DE L'ECZEMA ET METHODE DE PREPARATION ASSOCIEE**

[72] YU, LUPING, CN  
[71] ZHEJIANG STRONG PHARMACEUTICAL CO., LTD., CN  
[22] 2017-11-28  
[41] 2018-05-29  
[30] CN (201611071712.8) 2016-11-29

[21] **2,986,993**  
[13] A1

[51] **Int.Cl. B64D 11/06 (2006.01) A47C 7/62 (2006.01) B60N 3/00 (2006.01) H01R 13/73 (2006.01) H02J 4/00 (2006.01)**

[25] EN  
[54] **POWER/DATA OUTLET ADJUSTABLE SEAT BRACKET**  
[54] **SUPPORT DE SIEGE AJUSTABLE A PRISE DE DONNEES/COURANT**

[72] SMALLHORN, GEORGE R., CA  
[71] INFLIGHT INVESTMENTS INC., CA  
[22] 2017-11-28  
[41] 2018-05-29  
[30] US (62/427,223) 2016-11-29

[21] **2,987,080**  
[13] A1

[51] **Int.Cl. H02J 7/00 (2006.01) E05F 15/668 (2015.01)**

[25] EN  
[54] **ADAPTER**  
[54] **ADAPTATEUR**

[72] PLEASANTS, PARKE, US  
[72] MCNABB, WILLIAM, US  
[72] HUGGINS, MARK, US  
[72] PREUS, MICHAEL, US  
[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, MO  
[22] 2017-11-30  
[41] 2018-06-02  
[30] US (62/429,577) 2016-12-02

[21] **2,987,087**  
[13] A1

[51] **Int.Cl. G01B 11/245 (2006.01) G06T 17/00 (2006.01)**

[25] EN  
[54] **METHOD FOR 3D RECONSTRUCTION OF AN ENVIRONMENT OF A MOBILE DEVICE, CORRESPONDING COMPUTER PROGRAM PRODUCT AND DEVICE**  
[54] **METHODE DE RECONSTRUCTION 3D D'UN ENVIRONNEMENT D'UN APPAREIL MOBILE, PRODUIT DE PROGRAMME INFORMATIQUE CORRESPONDANT ET APPAREIL**

[72] LUO, TAO, FR  
[72] ROBERT, PHILIPPE, FR  
[72] ALLEAUME, VINCENT, FR  
[71] THOMSON LICENSING, FR  
[22] 2017-11-30  
[41] 2018-06-01  
[30] EP (16306599.8) 2016-12-01

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**27 mai 2018 au 2 juin 2018**

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[21] **2,987,088**  
[13] A1

[51] **Int.Cl. E05F 15/77 (2015.01) E05F 15/70 (2015.01)**

[25] EN

[54] **GARAGE DOOR OPENER SYSTEM HAVING AN INTELLIGENT AUTOMATED ASSISTANT AND METHOD OF CONTROLLING THE SAME**

[54] **SYSTEME D'OUVRE-PORTE DE GARAGE COMPORTANT UN ASSISTANT INTELLIGENT ET METHODE DE COMMANDE ASSOCIEE**

[72] HUGGINS, MARK, US

[72] WHITMIRE, J. PORTER, US

[72] PREUS, MICHAEL, US

[72] KIPPES, SCOTT, US

[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, MO

[22] 2017-11-30

[41] 2018-06-02

[30] US (62/429,575) 2016-12-02

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[21] **2,987,092**  
[13] A1

[51] **Int.Cl. F17C 1/06 (2006.01) F17C 1/02 (2006.01) F24H 9/02 (2006.01)**

[25] EN

[54] **HYBRID TANKS**

[54] **RESERVOIRS HYBRIDES**

[72] KAMPF, CHRISTOPHER, US

[72] VAN HAAREN, CHRISTOPHER A., US

[71] AMTROL LICENSING INC., US

[22] 2017-11-29

[41] 2018-06-02

[30] US (15/367,911) 2016-12-02

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[21] **2,987,096**  
[13] A1

[51] **Int.Cl. H02J 7/00 (2006.01) E05F 15/668 (2015.01) G08C 17/00 (2006.01)**

[25] EN

[54] **BATTERY CHARGING STATION WITH MODULE PORT**

[54] **POSTE DE RECHARGE DE BATTERIE DOTE D'UN ORIFICE DE MODULE**

[72] HUGGINS, MARK, US

[72] PREUS, MICHAEL, US

[72] ASHER, MATTHEW, US

[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN

[22] 2017-11-30

[41] 2018-06-02

[30] US (62/429,579) 2016-12-02

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[21] **2,987,101**  
[13] A1

[51] **Int.Cl. A61K 35/19 (2015.01) A61M 1/02 (2006.01)**

[25] EN

[54] **BLOOD COMPONENT POOLING DEVICE, SYSTEM AND METHOD**

[54] **APPAREIL DE REGROUPEMENT DE COMPOSANT SANGUIN, SYSTEME ET METHODE**

[72] SALOMON, ALEXANDRA, US

[72] GRIEP, JULIE, US

[72] MIN, KYUNGYOON, US

[72] WEGENER, J. CHRISTOPHER, US

[72] ANAND RAJU, ADDISON, US

[71] FENWAL, INC., US

[22] 2017-11-30

[41] 2018-06-01

[30] US (62/428,833) 2016-12-01

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[21] **2,987,104**  
[13] A1

[51] **Int.Cl. G08C 17/02 (2006.01) H04W 4/00 (2018.01) E05F 15/77 (2015.01) G10L 15/00 (2013.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR AN ENHANCED GARAGE DOOR OPENER REMOTE CONTROL**

[54] **SYSTEMES ET METHODES DE CONTROLE A DISTANCE AMELIORE D'UN OUVRE-PORTE DE GARAGE**

[72] HUGGINS, MARK, US

[72] PREUS, MICHAEL, US

[72] MCNABB, WILLIAM, US

[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, MO

[22] 2017-11-30

[41] 2018-05-30

[30] US (62/427,927) 2016-11-30

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[21] **2,987,112**  
[13] A1

[51] **Int.Cl. B60J 1/18 (2006.01) B60J 7/08 (2006.01) B62D 25/06 (2006.01)**

[25] EN

[54] **SOFT TOP WINDOW SUPPORTS AND VEHICLES WITH SOFT TOP WINDOW SUPPORTS**

[54] **SUPPORTS DE FENETRE POUR TOIT SOUPLE ET VEHICULE DOTE DE SUPPORTS DE FENETRE POUR TOIT SOUPLE**

[72] GOLDWITZ, BRIAN, US

[71] GOLDWITZ, BRIAN, US

[22] 2017-11-30

[41] 2018-05-30

[30] US (15/826,589) 2017-11-29

[30] US (62/428,506) 2016-11-30

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[21] **2,987,116**  
[13] A1

[51] **Int.Cl. B60J 11/08 (2006.01) B60J 1/20 (2006.01)**

[25] EN

[54] **WINDOW PROTECTOR FOR WINDOWS IN SOFT TOP VEHICLES**

[54] **PROTECTEUR DE FENETRE DESTINE A DES VEHICULES A TOIT SOUPLE**

[72] GOLDWITZ, BRIAN, US

[71] GOLDWITZ, BRIAN, US

[22] 2017-11-30

[41] 2018-05-30

[30] US (15/826,595) 2017-11-29

[30] US (62/428,506) 2016-11-30

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[21] **2,987,120**  
[13] A1

[51] **Int.Cl. G06F 21/86 (2013.01) G07F 7/08 (2006.01) H05B 37/02 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PROTECTING AT LEAST ONE ELEMENT OF AN UNATTENDED TRANSACTION TERMINAL**

[54] **SYSTEME ET METHODE DE PROTECTION D'AU MOINS UN ELEMENT D'UN TERMINAL DE TRANSACTION NON SURVEILLE**

[72] PAVAGEAU, STEPHANE, FR

[72] DEVORNIQUE, ROGER, FR

[71] INGENICO GROUP, FR

[22] 2017-11-29

[41] 2018-06-01

[30] FR (1661799) 2016-12-01

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May 27, 2018 to June 2, 2018**

[21] **2,987,123**  
[13] A1

[51] **Int.Cl. B30B 9/26 (2006.01) B30B 9/12 (2006.01)**  
[25] EN  
[54] **DEVICE FOR DEWATERING FEEDSTOCK THAT IS POURABLE OR FREE-FLOWING**  
[54] **DISPOSITIF DE DESHYDRATATION DE MATIERE PREMIERE QUI PEUT ETRE VERSEE OU S'ECOULER LIBREMENT**  
[72] ULM, DIETMAR, AT  
[71] ANDRITZ AG, AT  
[22] 2017-11-30  
[41] 2018-06-02  
[30] AT (A51097/2016) 2016-12-02

[21] **2,987,130**  
[13] A1

[51] **Int.Cl. E04H 4/14 (2006.01) E04H 4/00 (2006.01) F21V 31/00 (2006.01) H05B 37/02 (2006.01) F21S 4/20 (2016.01)**  
[25] EN  
[54] **POOL LINER WITH LED LIGHT STRINGS**  
[54] **REVETEMENT INTERIEUR DE PISCINE DOTE DE BANDES DE LUMIERES DEL**  
[72] LAN, CHAOLONG, CN  
[72] OCEGUEDA GALLAGA, VICTOR HUGO, MX  
[71] POLYGROUP MACAU LIMITED (BVI), VG  
[22] 2017-11-28  
[41] 2018-05-29  
[30] US (62/427,519) 2016-11-29

[21] **2,987,136**  
[13] A1

[51] **Int.Cl. H01R 4/66 (2006.01) H01R 24/38 (2011.01) H01R 9/05 (2006.01)**  
[25] EN  
[54] **COAXIAL CABLE BONDING/GROUND BLOCKS HAVING AN INTEGRATED GROUND WIRE**  
[54] **BLOCS DE LIAISON DE CABLE COAXIAL ET MISE A LA TERRE COMPORTANT UN FIL DE MISE A LA TERRE INTEGRE**  
[72] MATHEWS, ROGER, US  
[71] PPC BROADBAND, INC., US  
[22] 2017-11-28  
[41] 2018-05-28  
[30] US (62/426,651) 2016-11-28

[21] **2,987,174**  
[13] A1

[51] **Int.Cl. F16K 15/18 (2006.01) F16K 5/06 (2006.01) F16K 17/168 (2006.01) F16K 47/04 (2006.01) F16L 55/24 (2006.01)**  
[25] EN  
[54] **BALL VALVE WITH COMPONENTS INTEGRATED INTO THE BALL MEMBER**  
[54] **CLAPET A BILLE DOTE DE COMPOSANTES INTEGRE DANS L'ELEMENT DE BILLE**  
[72] RIZZIO, GIOVANNI, US  
[71] RED-WHITE VALVE CORP., US  
[22] 2017-11-28  
[41] 2018-05-28  
[30] US (62/427,128) 2016-11-28

[21] **2,987,181**  
[13] A1

[51] **Int.Cl. F17D 1/17 (2006.01) F17D 1/08 (2006.01) F17D 1/14 (2006.01)**  
[25] EN  
[54] **PROCESS AND APPARATUS FOR DELIVERY OF OIL SANDS ORE**  
[54] **PROCEDE ET APPAREIL DE LIVRAISON DU MINERAI DE SABLES BITUMINEUX**  
[72] GARNER, WILLIAM NICHOLAS, CA  
[72] DOUCET, REAL, CA  
[72] PAINE, RANDALL B., CA  
[72] BEDI, GURPREET SINGH, CA  
[72] WU, JIANGYING, CA  
[72] JOE, GARDNER, CA  
[71] CANADIAN NATURAL RESOURCES LIMITED, CA  
[22] 2017-11-30  
[41] 2018-06-01  
[30] CA (2,950,195) 2016-12-01

[21] **2,987,185**  
[13] A1

[51] **Int.Cl. G01N 33/28 (2006.01) C10G 11/00 (2006.01)**  
[25] EN  
[54] **VISCOSITY REDUCTION OF CRUDE OIL THROUGH STRUCTURE DETERMINATION OF ASPHALTENE MOLECULE**  
[54] **REDUCTION DE LA VISCOSITE DU PETROLE BRUT PAR DETERMINATION DE LA STRUCTURE D'UNE MOLECULE D'ASPHALTENE**  
[72] VERMA, MANJUSHA, US  
[72] VENKATARAMAN, PRADEEP, US  
[72] PRADHAN, SIVARAM, US  
[72] SHAMMAI, HOUMAN MICHAEL, US  
[72] BILLUPS, WILBUR EDWARD, US  
[72] WELLINGTON, SCOTT, US  
[71] BAKER HUGHES, A GE COMPANY, LLC, US  
[71] WILLIAM MARSH RICE UNIVERSITY, US  
[22] 2017-11-30  
[41] 2018-06-01  
[30] US (15/367171) 2016-12-01

[21] **2,987,199**  
[13] A1

[51] **Int.Cl. G01N 30/86 (2006.01) G01N 21/3504 (2014.01) G01N 21/359 (2014.01) G01N 30/06 (2006.01) G01N 30/12 (2006.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR DETERMINING THE CONCENTRATION OF A VOLATILE COMPOUND IN A CONDENSED STATE SAMPLE**  
[54] **METHODE ET APPAREIL DE DETERMINATION DE LA CONCENTRATION D'UN COMPOSE ORGANIQUE VOLATIL DANS UN ECHANTILLON A L'ETAT CONDENSE**  
[72] GARVER, THEODORE MEYER, CA  
[72] PACK, CHRISTOPHER DAVID, CA  
[71] INNOTECH ALBERTA INC., CA  
[22] 2017-11-29  
[41] 2018-06-02  
[30] US (62/429,613) 2016-12-02



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[21] **2,987,204**  
[13] A1

[51] **Int.Cl. G08G 1/00 (2006.01) H04W 4/42 (2018.01) B62D 31/00 (2006.01) B62H 3/00 (2006.01) G08G 1/14 (2006.01) H04B 1/59 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR TRANSIT INDUSTRY VEHICLE RIDER ACCESSORY CAPACITY MONITORING**

[54] **SYSTEMES ET METHODE DE SURVEILLANCE DE LA CAPACITE D'UN ACCESSOIRE DE CONDUCTEUR DE VEHICULE DANS LE DOMAINE DU TRANSPORT PUBLIC**

[72] CLARK, DAN, US  
[72] GONDEK, JACOB, US  
[72] KELLY, STEPHEN, US  
[72] URICH, KRISTI, US  
[72] BARNES, SHARON ANN IRMA, US  
[72] BROOKES, MARTY CHARLES, US  
[71] TRAPEZE SOFTWARE GROUP INC., US

[22] 2017-11-30  
[41] 2018-06-02  
[30] US (62/429,290) 2016-12-02

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[21] **2,987,221**  
[13] A1

[51] **Int.Cl. G01M 15/14 (2006.01) B64F 5/40 (2017.01) B64F 5/60 (2017.01) F01D 25/00 (2006.01) F02C 7/00 (2006.01)**

[25] EN

[54] **CONTROL SYSTEM AND METHOD**

[54] **SYSTEME ET METHODE DE CONTROLE**

[72] BEWLAY, BERNARD PATRICK, US  
[72] PRITCHARD, BYRON, US  
[72] SIVARAMAKRISHNAN, SHANKAR, US

[72] KULKARNI, AMBARISH, US  
[72] KESHAVAN, HRISHIKESH, US  
[72] DEDE, MEHMET, US  
[72] ROSENZWEIG, LARRY, US  
[71] GENERAL ELECTRIC COMPANY, US

[22] 2017-11-30  
[41] 2018-06-02  
[30] US (15/368,185) 2016-12-02

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[21] **2,987,228**  
[13] A1

[51] **Int.Cl. E05D 15/06 (2006.01) E05D 13/00 (2006.01) E06B 9/52 (2006.01)**

[25] EN

[54] **UPPER GUIDE TRACK AND ASSEMBLY FOR A RETRACTABLE SCREEN**

[54] **RAIL-GUIDE SUPERIEUR ET ENSEMBLE DESTINE A UN MOUSTIQUAIRE RETRACTABLE**

[72] ROBERTS, ANTHONY G., AU  
[72] RODD, AARON, AU  
[71] INFINITY RETRACTABLE SCREENS PTY LTD., AU

[22] 2017-11-30  
[41] 2018-05-30  
[30] AU (AU2016904917) 2016-11-30  
[30] AU (AU2016904918) 2016-11-30  
[30] AU (AU2016904919) 2016-11-30

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[21] **2,987,230**  
[13] A1

[51] **Int.Cl. E06B 9/58 (2006.01) E06B 9/52 (2006.01)**

[25] EN

[54] **GUIDE TRACK ARRANGEMENT**

[54] **CONFIGURATION DE RAIL-GUIDE**

[72] ROBERTS, ANTHONY G., AU  
[72] RODD, AARON, AU  
[71] INFINITY RETRACTABLE SCREENS PTY LTD., AU

[22] 2017-11-30  
[41] 2018-05-30  
[30] AU (AU2016904917) 2016-11-30  
[30] AU (AU2016904918) 2016-11-30  
[30] AU (AU2016904919) 2016-11-30

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[21] **2,987,231**  
[13] A1

[51] **Int.Cl. H04W 40/10 (2009.01) H04W 24/04 (2009.01) H02J 4/00 (2006.01)**

[25] EN

[54] **OPTIMAL NETWORK RECONFIGURATION PATH SEARCHING BASED ON OPTIMIZATIONS FOR NETWORKS INCLUDING RENEWABLE SOURCES**

[54] **RECHERCHE DE CHEMIN DE RECONFIGURATION DE RESEAU OPTIMALE FONDEE SUR LES OPTIMISATIONS DE RESEAUX COMPORTANT DES RESSOURCES RENOUVELABLES**

[72] ZHAO, DONGBO, US  
[72] SHAH, JALPA KAUSHIL, US  
[71] COOPER TECHNOLOGIES COMPANY, US

[22] 2017-11-30  
[41] 2018-06-02  
[30] US (15/367,617) 2016-12-02

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[21] **2,987,346**  
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01)**

[25] EN

[54] **RESOURCE PLANNING SYSTEM, PARTICULARLY FOR VEHICLE FLEET MANAGEMENT**

[54] **SYSTEME DE PLANIFICATION DES RESSOURCES, EN PARTICULIER POUR LA GESTION D'UNE FLOTTE DE VEHICULES**

[72] WEIGEL, DAVID, US  
[72] KNIGHT, MARC, US  
[71] ASSETWORKS LLC, US

[22] 2017-12-01  
[41] 2018-06-01  
[30] US (15/366,718) 2016-12-01

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[21] **2,987,355**  
[13] A1

[51] **Int.Cl. B23D 47/02 (2006.01) B23D 45/12 (2006.01)**

[25] EN

[54] **PILE CUTTING DEVICE**

[54] **APPAREIL DE COUPE DE VELOURS**

[72] THIESSEN, LONNY J., CA  
[71] WESTCAP GROUP INC., CA

[22] 2017-12-01  
[41] 2018-06-01  
[30] US (62/428,836) 2016-12-01

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[13] A1

[51] **Int.Cl. B25B 23/14 (2006.01) B25B 23/159 (2006.01) B25B 27/10 (2006.01) G08C 17/02 (2006.01)**

[25] EN  
[54] **HOLDING TOOL**  
[54] **OUTIL DE MAINTIEN**  
[72] REYNERTSON, JOHN, US  
[72] REYNERTSON, DONALD J., US  
[72] DAVIS, PAUL E., US  
[71] SNAP-ON INCORPORATED, US  
[22] 2017-12-01  
[41] 2018-06-02  
[30] US (62/429,174) 2016-12-02  
[30] US (15/823,028) 2017-11-27

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[21] **2,987,509**  
[13] A1

[51] **Int.Cl. E06B 9/327 (2006.01) E06B 9/266 (2006.01)**

[25] EN  
[54] **RAIL FOR AN ARCHITECTURAL OPENING COVERING**  
[54] **RAIL DESTINE A UN REVETEMENT D'OUVERTURE ARCHITECTURALE**  
[72] FRANSSSEN, ROBERT, NL  
[71] HUNTER DOUGLAS INDUSTRIES B.V., NL  
[22] 2017-12-01  
[41] 2018-06-01  
[30] EP (16201779.2) 2016-12-01

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[21] **2,987,528**  
[13] A1

[51] **Int.Cl. B63B 35/38 (2006.01) B63B 17/00 (2006.01) B63B 29/00 (2006.01) B63B 35/34 (2006.01)**

[25] EN  
[54] **STRUCTURE AND ASSEMBLY FOR RECESSED DECK PORTION IN PONTOON BOAT**  
[54] **STRUCTURE ET ASSEMBLAGE DESTINES A LA PORTION DE PLATEFORME EN CREUX D'UN PONTON**  
[72] VOGEL, JACOB STEVEN, US  
[72] FISHBURN, BRAD ROY, US  
[71] PONTOON BOAT, LLC, US  
[22] 2017-12-01  
[41] 2018-06-02  
[30] US (62/429375) 2016-12-02

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[21] **2,987,588**  
[13] A1

[51] **Int.Cl. A47J 31/44 (2006.01) A47J 31/24 (2006.01)**

[25] EN  
[54] **APPARATUS FOR PRESSING A DOSE OF COFFEE WITHIN THE PORTAFILTER**  
[54] **APPAREIL DE PRESSAGE D'UNE DOSE DE CAFE DANS LA DOSETTE**  
[72] ABBIATI, GIACOMO, IT  
[71] GRUPPO CIMBALI S.P.A., IT  
[22] 2017-11-30  
[41] 2018-06-02  
[30] IT (102016000122741) 2016-12-02

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[21] **2,987,593**  
[13] A1

[51] **Int.Cl. A47J 42/38 (2006.01) A47J 42/40 (2006.01) A47J 42/44 (2006.01) B65B 1/32 (2006.01)**

[25] EN  
[54] **METHOD AND MACHINE FOR DISPENSING DOSES OF COFFEE GROUND**  
[54] **METHODE ET MACHINE DE DISTRIBUTION DE DOSES DE CAFE MOULU**  
[72] ABBIATI, GIACOMO, IT  
[71] GRUPPO CIMBALI S.P.A., IT  
[22] 2017-11-30  
[41] 2018-06-02  
[30] IT (102016000122725) 2016-12-02

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[21] **2,987,605**  
[13] A1

[51] **Int.Cl. A47J 42/38 (2006.01) A47J 42/40 (2006.01) A47J 42/44 (2006.01) B65B 1/32 (2006.01)**

[25] EN  
[54] **A GRINDING-DOSING MACHINE WITH A DOSING DEVICE FOR GROUND COFFEE**  
[54] **UNE MACHINE DE BROyage-DOSAGE DOTEE D'UN DISPOSITIF DOSEUR DE CAFE MOULU**  
[72] ABBIATI, GIACOMO, IT  
[71] GRUPPO CIMBALI S.P.A., IT  
[22] 2017-11-30  
[41] 2018-06-02  
[30] IT (102016000122711) 2016-12-02

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[21] **2,987,622**  
[13] A1

[51] **Int.Cl. C08L 101/00 (2006.01) C08J 3/20 (2006.01) C08K 3/00 (2018.01) C08L 31/02 (2006.01) C08L 67/00 (2006.01)**

[25] EN  
[54] **COMPOSITION AND METHOD TO FORM A COMPOSITE CORE MATERIAL**  
[54] **COMPOSITION ET METHODE DE FORMAGE D'UN MATERIAU A AME COMPOSITE**  
[72] GLEASON, STEPHEN, US  
[71] GLEASON, STEPHEN, US  
[22] 2017-12-04  
[41] 2018-06-02  
[30] US (62/429,535) 2016-12-02

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[21] **2,987,624**  
[13] A1

[51] **Int.Cl. E04F 13/26 (2006.01)**

[25] EN  
[54] **PROTECTIVE INSULATIVE BUILDING CLADDING SYSTEM AND METHOD OF USE**  
[54] **SYSTEME DE REVETEMENT DE BATIMENT ISOLANT PROTECTEUR ET METHODE D'UTILISATION**  
[72] AGERBAK, BILL, CA  
[72] FAULKNER, DOUG, CA  
[72] MARTIN, TERRY, CA  
[72] NAHACHEWSKY, THOMAS, CA  
[71] CANADIAN INNOVATIVE COATINGS LTD., CA  
[22] 2017-12-04  
[41] 2018-06-02  
[30] US (62429632) 2016-12-02

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[21] **2,987,663**  
[13] A1

[51] **Int.Cl. B66C 23/18 (2006.01) F03D 13/10 (2016.01) B66C 1/62 (2006.01) B66C 13/08 (2006.01)**

[25] EN

[54] **OPERATING METHOD OF A WIND POWER JIB OF A CRANE AND CRANE**

[54] **METHODE D'EXPLOITATION D'UNE FLECHE D'EOLIENNE D'UNE GRUE ET GRUE**

[72] SHAN, ZENGHAI, CN

[72] ZHAO, RUIXUE, CN

[72] CHEN, ZHICAN, CN

[72] WANG, SHOUWEI, CN

[72] ZHANG, ZHENGDE, CN

[72] ZHANG, PINGHAI, CN

[71] XUZHOU HEAVY MACHINERY CO., LTD., CN

[22] 2017-12-01

[41] 2018-06-02

[30] CN (201611092558.2) 2016-12-02

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[21] **2,987,665**  
[13] A1

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

[25] EN

[54] **CONSTANT VOLTAGE POWER DISTRIBUTION SYSTEM FOR USE WITH AN ELECTRIC HYDRAULIC FRACTURING SYSTEM**

[54] **SYSTEME DE DISTRIBUTION D'ALIMENTATION EN TENSION CONSTANTE DESTINE A UN SYSTEME DE FRACTURATION HYDRAULIQUE ELECTRIQUE**

[72] OEHRING, JARED, US

[72] HINDERLITER, BRANDON N., US

[71] US WELL SERVICES, LLC, US

[22] 2017-12-01

[41] 2018-06-02

[30] US (62/429,499) 2016-12-02

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[21] **2,995,976**  
[13] A1

[51] **Int.Cl. A63B 55/60 (2015.01)**

[25] EN

[54] **MOTOGOLF PULL-CART**

[54] **CHARIOT DE GOLF MOTORISE**

[72] TOVAR, EDUARDO A., CA

[71] TOVAR, EDUARDO A., CA

[22] 2018-02-22

[41] 2018-05-29

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[21] **2,998,945**  
[13] A1

[51] **Int.Cl. G09F 3/02 (2006.01) B65D 79/00 (2006.01)**

[25] EN

[54] **BOTTLE TAG**

[54] **SAC FOURRE-TOUT**

[72] FENWICK, JOHN, CA

[71] FENWICK, JOHN, CA

[22] 2018-03-22

[41] 2018-05-29

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[21] **2,999,319**  
[13] A1

[51] **Int.Cl. E01B 31/17 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR CORRECTING DAMAGE TO RAILS AND RAILWAY CROSSOVERS**

[54] **APPAREILLAGE ET METHODE DE CORRECTION DES DOMMAGES CAUSES AUX RAILS ET AUX TRAVERSES DE CHEMIN DE FER**

[72] SKOBLINICK, HARRY, CA

[72] MANCIC, ALEKSANDAR, CA

[71] BOMBARDIER TRANSPORTATION GMBH, DE

[22] 2018-03-26

[41] 2018-05-31

[30] US (62/481,384) 2017-04-04

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[21] **2,999,427**  
[13] A1

[51] **Int.Cl. G09B 9/00 (2006.01) B42D 1/00 (2006.01) G01B 7/004 (2006.01) G09B 19/24 (2006.01)**

[25] EN

[54] **TOOL SIMULATION SYSTEM, SIMULATION WORKPIECE, AND METHOD OF OPERATION**

[54] **SYSTEME DE SIMULATION D'OUTIL, PIECE DE TRAVAIL DE SIMULATION ET METHODE D'UTILISATION**

[72] CAMPBELL, IAN, CA

[72] YU, CHUN, CA

[72] REIDINGER, LUKAS, CA

[71] CWB GROUP - INDUSTRY SERVICES, CA

[22] 2018-03-27

[41] 2018-06-01

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[21] **3,000,159**  
[13] A1

[51] **Int.Cl. G09B 23/28 (2006.01) G09B 9/00 (2006.01) A61M 25/01 (2006.01)**

[25] EN

[54] **MODULAR APPARATUS FOR SIMULATING THE INSERTION OF A MEDICAL INSTRUMENT INTO A SUBJECT**

[54] **APPAREIL MODULAIRE SERVANT A SIMULER L'INSERTION D'UN INSTRUMENT MEDICAL DANS UN SUJET**

[72] DRISCOLL, CHRISTOPHER, CA

[72] VILLENEUVE, PHILIPPE, CA

[72] FLAMAND, JEAN-SEBASTIEN, CA

[72] MALLACI, GIUSEPPE, CA

[71] CAE HEALTHCARE CANADA INC., CA

[22] 2018-03-29

[41] 2018-05-29

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[21] **2,965,570**  
[13] A1  
[51] **Int.Cl. G06Q 50/04 (2012.01) G06F 17/50 (2006.01)**  
[25] EN  
[54] **INFORMATION PROCESSING APPARATUS**  
[54] **APPAREIL DE TRAITEMENT DE L'INFORMATION**  
[72] ADACHI, MASAHIKO, JP  
[72] INADA, MASAHIKO, JP  
[71] KABUKU INC., JP  
[85] 2017-08-17  
[86] 2016-11-28 (PCT/JP2016/085248)  
[87] (2965570)

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[21] **2,976,552**  
[13] A1  
[51] **Int.Cl. B62H 3/00 (2006.01) B62H 3/12 (2006.01)**  
[25] EN  
[54] **BICYCLE RETAINER**  
[54] **DISPOSITIF DE RETENUE DE BICYCLETTE**  
[72] NAKAGIRI, TAKAHISA, JP  
[71] NIPPON SHARYO, LTD., JP  
[85] 2017-08-15  
[86] 2016-11-29 (PCT/JP2016/085329)  
[87] (2976552)

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[21] **2,988,019**  
[13] A1  
[51] **Int.Cl. B65G 1/04 (2006.01) F25D 13/00 (2006.01) F25D 17/04 (2006.01) F25D 17/08 (2006.01)**  
[25] EN  
[54] **TEMPERATURE CONTROLLED STORAGE SYSTEM**  
[54] **SYSTEME D'EMMAGASINAGE A TEMPERATURE CONTROLEE**  
[72] LINDBO, LARS SVERKER TURE, GB  
[72] FRYER, MARK, GB  
[72] BATES, MARTYN LEE, GB  
[72] FAUX, KEVIN, GB  
[72] STEINER, TIMOTHY DEIGHTON, GB  
[72] SHAIKH, SIDDIQUE, GB  
[71] OCADO INNOVATION LIMITED, GB  
[85] 2017-12-01  
[86] 2016-06-03 (PCT/EP2016/062632)  
[87] (WO2016/193419)  
[30] GB (1509661.3) 2015-06-03  
[30] GB (1604096.6) 2016-03-10

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[21] **2,988,357**  
[13] A1  
[51] **Int.Cl. H04L 9/18 (2006.01) G06F 21/62 (2013.01) G09C 1/00 (2006.01) H04L 9/14 (2006.01)**  
[25] FR  
[54] **ENCRYPTION METHOD, CORRESPONDING ENCRYPTION METHOD, DEVICES AND PROGRAMS**  
[54] **PROCEDE DE CHIFFREMENT, PROCEDE DE CHIFFREMENT, DISPOSITIFS ET PROGRAMMES CORRESPONDANTS**  
[72] BRIER, ERIC, FR  
[71] INGENICO GROUP, FR  
[85] 2017-12-05  
[86] 2016-06-06 (PCT/EP2016/062766)  
[87] (WO2016/193493)  
[30] FR (1555173) 2015-06-05

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[21] **2,989,353**  
[13] A1  
[51] **Int.Cl. A61K 47/64 (2017.01) A61P 35/00 (2006.01) C07K 14/47 (2006.01) C07K 19/00 (2006.01)**  
[25] EN  
[54] **B1SP FUSION PROTEIN THERAPEUTICS, METHODS, AND USES**  
[54] **AGENTS THERAPEUTIQUES A BASE DE PROTEINE DE FUSION B1SP, PROCEDES ET UTILISATIONS**  
[72] ONG, CHRISTOPHER J., CA  
[72] PEACOCK, JAMES, CA  
[72] GLEAVE, MARTIN E., CA  
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA  
[85] 2017-12-13  
[86] 2016-06-29 (PCT/CA2016/000182)  
[87] (WO2017/000059)  
[30] US (62/185,772) 2015-06-29

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[21] **2,989,862**  
[13] A1  
[51] **Int.Cl. C10J 3/72 (2006.01) C10J 3/82 (2006.01)**  
[25] EN  
[54] **PROCESS FOR CONVERTING CARBONACEOUS MATERIAL INTO LOW TAR SYNTHESIS GAS**  
[54] **PROCEDE DE CONVERSION DE MATERIAU CARBONE EN GAZ SYNTHETIQUE A FAIBLE TENEUR EN GOUDRON**  
[72] KRESNYAK, STEVE, CA  
[72] ZAHORIK, PAVEL, CZ  
[71] EXPANDER ENERGY INC., CA  
[85] 2017-12-22  
[86] 2017-09-29 (PCT/CA2017/051161)  
[87] (2989862)  
[30] US (62/401,711) 2016-09-29  
[30] US (15/419,722) 2017-01-30

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[21] **2,991,086**  
[13] A1

[51] **Int.Cl. A61K 31/202 (2006.01) A61P 15/08 (2006.01) G01N 33/48 (2006.01)**

[25] EN

[54] **APPLICATION OF OMEGA-3 AND/OR OMEGA-6 FATTY ACID(S)**

[54] **UTILISATION D'ACIDE(S) GRAS OMEGA-3 ET/OU OMEGA-6**

[72] HARTMANN, TOBIAS, DE

[72] GRIMM, MARCUS OTTO WALTER, DE

[72] FLOSS, THOMAS, DE

[72] WITTMANN, ANKE, DE

[71] K.D. PHARMA BEXBACH GMBH, DE

[85] 2017-12-29

[86] 2016-06-10 (PCT/DE2016/100265)

[87] (WO2016/198048)

[30] DE (10 2015 109 352.9) 2015-06-12

[21] **2,991,519**  
[13] A1

[51] **Int.Cl. C07D 285/06 (2006.01) A01N 47/36 (2006.01) A01P 21/00 (2006.01)**

[25] EN

[54] **1,2,3-THIADIAZOL-5YL-UREA DERIVATIVES, USE THEREOF FOR REGULATING PLANT SENESCENCE AND PREPARATIONS CONTAINING THESE DERIVATIVES**

[54] **DERIVES DE 1,2,3-THIADIAZOL-5YL-UREE, UTILISATION DESDITS DERIVES POUR LA REGULATION DE LA SENESCENCE DES PLANTES ET PREPARATIONS LES CONTENANT**

[72] NISLER, JAROSLAV, CZ

[72] ZATLOUKAL, MAREK, CZ

[72] SPICHAL, LUKAS, CZ

[72] KOPRNA, RADOSLAV, CZ

[72] DOLEZAL, KAREL, CZ

[72] STRNAD, MIROSLAV, CZ

[71] USTAV EXPERIMENTALNI BOTANIKY AV CR, V.V.I., CZ

[85] 2018-01-04

[86] 2015-09-02 (PCT/CZ2015/050003)

[87] (WO2016/037595)

[30] CZ (PV2014-613) 2014-09-09

[30] CZ (PV2015-230) 2015-04-02

[21] **2,991,735**  
[13] A1

[51] **Int.Cl. B60P 7/02 (2006.01) B60J 11/06 (2006.01)**

[25] EN

[54] **TONNEAU COVEER SYSTEM FOR A CARGO BED OF A VEHICLE**

[54] **SYSTEME DE COUVRE-TONNEAU DESTINE A UNE PLATEFORME DE CHARGEMENT D'UN VEHICULE**

[72] WILLIAMSON, SCOTT, US

[72] KOSINSKI, DAVID, US

[72] YANG, MICHAEL, US

[72] YANG, XICHANG, CN

[72] TONG, JIANFENG, CN

[72] WEI, CHENGPING, CN

[72] SMITH, RONALD BRIAN, US

[72] BURGER, DANIEL DAVID, US

[72] MAYS, JAMES, US

[71] RUGGED LINER, INC., US

[71] BEYOND INDUSTRIES (NANJING) LIMITED, CN

[85] 2018-03-21

[86] 2017-04-25 (PCT/CN2017/081842)

[87] (WO2018/018962)

[30] CN (201610597765.7) 2016-07-27

[30] CN (201620796716.1) 2016-07-27

[30] US (62/414,384) 2016-10-28

[30] CN (201621215371.2) 2016-11-11

[21] **2,992,411**  
[13] A1

[51] **Int.Cl. F24S 70/60 (2018.01) F24S 10/80 (2018.01) F24S 23/70 (2018.01) F22B 1/02 (2006.01) F28D 13/00 (2006.01)**

[25] EN

[54] **ENERGY-EFFICIENT HIGH LEVEL DEVICE, PLANT AND METHOD FOR THE USE OF THERMAL ENERGY OF SOLAR ORIGIN**

[54] **DISPOSITIF, INSTALLATION ET PROCEDE DE HAUT NIVEAU A HAUT RENDEMENT ENERGETIQUE POUR L'UTILISATION D'ENERGIE THERMIQUE D'ORIGINE SOLAIRE**

[72] MAGALDI, MARIO, IT

[72] CARREA, ALBERTO, IT

[72] SOMMA, GENNARO, IT

[71] MAGALDI POWER S.P.A., IT

[85] 2018-01-12

[86] 2016-07-28 (PCT/IB2016/054525)

[87] (WO2017/021832)

[30] IT (102015000042394) 2015-08-05

[21] **2,993,241**  
[13] A1

[51] **Int.Cl. A62C 37/42 (2006.01) A62C 3/00 (2006.01) A62C 35/62 (2006.01) A62C 37/11 (2006.01) A62C 37/48 (2006.01)**

[25] EN

[54] **PREACTION SPRINKLER VALVE ASSEMBLIES, RELATED DRY SPRINKLER DEVICES AND FIRE PROTECTION SPRINKLER SYSTEMS**

[54] **ENSEMBLES ROBINETS D'EXTINCTEURS A PREACTION, DISPOSITIFS EXTINCTEURS A AIR COMPRIME ASSOCIES ET SYSTEMES D'EXTINCTEURS DE PROTECTION CONTRE LE FEU**

[72] MEYER, STEPHEN J., US

[72] RINGER, YORAM, US

[72] ARCHIBALD, THOMAS EDWIN, US

[71] GLOBE FIRE SPRINKLER CORPORATION, US

[85] 2018-01-19

[86] 2016-07-28 (PCT/US2016/044569)

[87] (WO2017/019904)

[30] US (62/197,927) 2015-07-28

[30] US (62/198,428) 2015-07-29

[30] US (62/267,445) 2015-12-15

[30] US (62/304,585) 2016-03-07

[21] **2,993,767**  
[13] A1

[51] **Int.Cl. A61K 36/185 (2006.01) A61K 31/715 (2006.01) A61K 36/28 (2006.01) A61K 36/324 (2006.01) A61K 36/328 (2006.01) A61K 36/49 (2006.01) A61K 36/73 (2006.01) A61K 36/886 (2006.01) A61P 17/00 (2006.01) A61P 17/02 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **COMPOSITION COMPRISING TANNINS**

[54] **COMPOSITION CONTENANT DES TANINS**

[72] GIOVAGNONI, EMILIANO, IT

[72] BURINI, MICHELE, IT

[72] MARINI, FRANCESCA, IT

[71] ABOCA S.P.A. SOCIETA' AGRICOLA, IT

[85] 2018-01-25

[86] 2016-08-19 (PCT/IB2016/054975)

[87] (WO2017/029643)

[30] IT (102015000045541) 2015-08-20

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[13] A1

[51] **Int.Cl. G01N 33/564 (2006.01) C07K 16/28 (2006.01)**  
[25] EN  
[54] **METHODS AND COMPOSITIONS FOR IDENTIFYING PATIENT POPULATIONS FOR DIAGNOSIS AND TREATMENT OF TLR4-DEPENDENT DISORDERS**  
[54] **PROCEDES ET COMPOSITIONS PERMETTANT D'IDENTIFIER DES POPULATIONS DE PATIENTS POUR LE DIAGNOSTIC ET LE TRAITEMENT DE TROUBLES DEPENDANT DE TLR4**  
[72] SHANG, LIMIN, CH  
[72] MONNET, EMMANUEL, CH  
[71] NOVIMMUNE SA, CH  
[85] 2018-02-05  
[86] 2016-08-05 (PCT/EP2016/068825)  
[87] (WO2017/021552)  
[30] US (62/201,918) 2015-08-06

[21] **2,995,158**  
[13] A1

[51] **Int.Cl. A61K 9/107 (2006.01) A61K 31/12 (2006.01) A61K 47/14 (2017.01) A61P 3/04 (2006.01) A61P 17/00 (2006.01)**  
[25] EN  
[54] **A PHARMACEUTICAL COMPOSITION FOR REDUCING LOCAL FAT AND USES THEREOF**  
[54] **UNE COMPOSITION PHARMACEUTIQUE DESTINEE A REDUIRE LES GRAISSES LOCALES, ET SES UTILISATIONS**  
[72] LING, YU-FANG, CN  
[71] CALIWAY BIOPHARMACEUTICALS CO., LTD., CN  
[85] 2018-02-08  
[86] 2016-08-26 (PCT/IB2016/055102)  
[87] (WO2017/037594)  
[30] CN (PCT/CN2015/088340) 2015-08-28  
[30] US (62/257,846) 2015-11-20  
[30] US (62/299,702) 2016-02-25

[21] **2,997,896**  
[13] A1

[51] **Int.Cl. A61K 33/00 (2006.01) A61P 11/00 (2006.01)**  
[25] EN  
[54] **NITRIC OXIDE INHALATION THERAPY FOR INFANTS WITH BRONCHIOLITIS**  
[54] **TRAITEMENT PAR INHALATION D'OXYDE NITRIQUE POUR NOURRISSONS ATTEINTS DE BRONCHIOLITE**  
[72] AV-GAY, YOSSEF, CA  
[72] GREENBERG, DAVID, IL  
[72] TAL, ASHER, IL  
[71] ADVANCED INHALATION THERAPIES (AIT) LTD., IL  
[85] 2018-03-07  
[86] 2016-09-09 (PCT/IB2016/001447)  
[87] (WO2017/042636)  
[30] US (62/215,809) 2015-09-09  
[30] US (62/220,321) 2015-09-18

[21] **2,995,155**  
[13] A1

[51] **Int.Cl. A61K 9/107 (2006.01) A61K 31/05 (2006.01) A61K 47/14 (2017.01) A61P 3/04 (2006.01) A61P 17/00 (2006.01)**  
[25] EN  
[54] **A PHARMACEUTICAL COMPOSITION FOR REDUCING LOCAL FAT AND USES THEREOF**  
[54] **UNE COMPOSITION PHARMACEUTIQUE DESTINEE A REDUIRE LES GRAISSES LOCALES, ET SES UTILISATIONS**  
[72] LING, YU-FANG, CN  
[71] CALIWAY BIOPHARMACEUTICALS CO., LTD., CN  
[85] 2018-02-08  
[86] 2016-08-26 (PCT/IB2016/055101)  
[87] (WO2017/037593)  
[30] CN (PCT/CN2015/088340) 2015-08-28  
[30] US (62/257,846) 2015-11-20  
[30] US (62/299,702) 2016-02-25

[21] **2,996,494**  
[13] A1

[51] **Int.Cl. A61K 31/352 (2006.01) A61P 1/16 (2006.01)**  
[25] EN  
[54] **PHARMACEUTICAL COMPOSITION FOR PREVENTING AND TREATING LIVER DISEASES, CONTAINING, AS ACTIVE INGREDIENT, CROMOLYN OR PHARMACEUTICALLY ACCEPTABLE SALT THEREOF**  
[54] **COMPOSITION PHARMACEUTIQUE POUR PREVENIR ET TRAITER DES MALADIES HEPATIQUES, CONTENANT, EN TANT QUE SUBSTANCE ACTIVE, DE LA CROMOLYNE OU UN SEL PHARMACEUTIQUEMENT ACCEPTABLE DE CELLE-CI**  
[72] CHOI, JIN WOO, KR  
[71] ONCOCROSS CO. LTD., KR  
[85] 2018-02-23  
[86] 2016-08-24 (PCT/KR2016/009368)  
[87] (WO2017/039215)  
[30] KR (10-2015-0122138) 2015-08-28

[21] **2,999,384**  
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01) A61K 49/00 (2006.01) A61P 35/00 (2006.01) C07K 16/00 (2006.01) C07K 16/18 (2006.01)**  
[25] EN  
[54] **BIOLOGICAL MATERIALS AND USES THEREOF**  
[54] **MATERIELS BIOLOGIQUES ET LEURS UTILISATIONS**  
[72] DEONARAIN, MAHENDRA PERSAUD, GB  
[72] YAHIOGLU, GOKHAN, GB  
[72] STAMATI, IOANNA, GB  
[72] SAOUROS, SAVVAS, GB  
[72] KAPADNIS, PRASHANT BHIMRAO, GB  
[71] ANTIKOR BIOPHARMA LIMITED, GB  
[85] 2018-03-21  
[86] 2015-09-25 (PCT/GB2015/052800)  
[87] (WO2016/046574)  
[30] GB (1416960.1) 2014-09-25

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[51] <b>Int.Cl. A61K 36/899 (2006.01) A61K 8/9794 (2017.01) A61K 8/73 (2006.01) A61K 9/10 (2006.01) A61P 17/00 (2006.01) A61Q 3/00 (2006.01)</b>	[51] <b>Int.Cl. C07D 487/06 (2006.01) A61K 31/5517 (2006.01) A61P 25/00 (2006.01)</b>	[51] <b>Int.Cl. C07D 209/94 (2006.01) A61K 31/198 (2006.01) A61K 31/403 (2006.01)</b>
[25] EN	[25] EN	[25] EN
[54] <b>DERMOCOSMETIC COMPOSITION, PRODUCTION PROCESS OF THE TOPICAL COMPOSITION, METHOD FOR STRENGTHENING FRAGILE NAILS AND USE OF THE COMPOSITION</b>	[54] <b>5-HT2C RECEPTOR AGONISTS AND COMPOSITIONS AND METHODS OF USE</b>	[54] <b>CRYSTALLINE L-ARGININE SALT OF (R)-2-(7-(4-CYCLOPENTYL-3-(TRIFLUOROMETHYL)BENZYL)OXY)-1,2,3,4-TETRAHYDROCYCLOPENTA[B]INDOL-3-YL)ACETIC ACID(COMPOUND I) FOR USE IN SIPI RECEPTOR-ASSOCIATED DISORDERS</b>
[54] <b>COMPOSITION DERMOCOSMETIQUE, PROCEDE DE PRODUCTION DE LA COMPOSITION TOPIQUE, PROCEDE DE RENFORCEMENT DES ONGLES FRAGILES ET UTILISATION DE LA COMPOSITION</b>	[54] <b>AGONISTES DES RECEPTEURS 5-HT2C ET COMPOSITIONS ET METHODES D'UTILISATION</b>	[54] <b>SEL L-ARGININE CRISTALLIN D'ACIDE (R)-2-(7-(4-CYCLOPENTYL-3-(TRIFLUOROMETHYL)BENZYL)OXY)-1,2,3,4-TETRAHYDROCYCLOPENTA[B]INDOL-3-YL)ACETIQUE (COMPOSE 1) POUR UNE UTILISATION DANS DES TROUBLES ASSOCIES AU RECEPTEUR DE SIPI</b>
[72] JUNIOR, DANTE ALARIO, BR	[72] REN, ALBERT S., US	[54] <b>SEL L-ARGININE CRISTALLIN D'ACIDE (R)-2-(7-(4-CYCLOPENTYL-3-(TRIFLUOROMETHYL)BENZYL)OXY)-1,2,3,4-TETRAHYDROCYCLOPENTA[B]INDOL-3-YL)ACETIQUE (COMPOSE 1) POUR UNE UTILISATION DANS DES TROUBLES ASSOCIES AU RECEPTEUR DE SIPI</b>
[72] RITTO, JOSE LUIZ AIELLO, BR	[72] SEMPLE, GRAEME, US	[72] BLACKBURN, ANTHONY C., US
[71] BIOLAB SANUS FARMACEUTICA LTDA, BR	[72] ZHU, XIUWEN, US	[72] CASTRO, RYAN O., US
[85] 2018-04-05	[72] SAGE, CARLETON R., US	[72] HADD, MARK A., US
[86] 2017-04-11 (PCT/BR2017/050085)	[71] ARENA PHARMACEUTICALS, INC., US	[72] MA, YOU-AN, US
[87] (WO2017/177295)	[85] 2018-04-18	[72] MONTALBAN, ANTONIO GARRIDO, US
[30] US (62/320,844) 2016-04-11	[86] 2016-04-26 (PCT/US2016/029308)	[72] RUETER, JAIMIE KARYN, US
	[87] (WO2016/176177)	[72] SELVEY, LEE ALANI, US
	[30] US (62/153,082) 2015-04-27	[72] SHAKYA, SAGAR RAJ, US
		[72] CARLOS, MARLON, US
		[71] ARENA PHARMACEUTICALS, INC., US
		[85] 2018-04-18
		[86] 2016-06-21 (PCT/US2016/038506)
		[87] (WO2016/209809)
		[30] US (62/182,841) 2015-06-22
		[30] US (62/207,531) 2015-08-20

[21] <b>3,002,525</b> [13] A1
[51] <b>Int.Cl. C07D 223/32 (2006.01) A61K 31/55 (2006.01) A61P 3/04 (2006.01) C07D 223/16 (2006.01) C07D 491/052 (2006.01)</b>
[25] EN
[54] <b>5-HT2C RECEPTOR AGONISTS AND COMPOSITIONS AND METHODS OF USE</b>
[54] <b>AGONISTES DE RECEPTEUR 5-HT2C ET COMPOSITIONS ET PROCEDES D'UTILISATION</b>
[72] LEHMANN, JUERG, US
[72] FEICHTINGER, KONRAD, US
[72] REN, ALBERT S., US
[72] SEMPLE, GRAEME, US
[71] ARENA PHARMACEUTICALS, INC., US
[85] 2018-04-18
[86] 2016-07-28 (PCT/US2016/044426)
[87] (WO2017/023679)
[30] US (62/199,382) 2015-07-31

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[13] A1

[51] **Int.Cl. C07D 498/20 (2006.01) A61K 31/439 (2006.01) A61K 31/4709 (2006.01) A61K 31/4725 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61P 25/28 (2006.01) C07D 519/00 (2006.01)**

[25] EN

[54] **AMINOISOXAZOLINE COMPOUNDS AS AGONISTS OF ALPHA7-NICOTINIC ACETYLCHOLINE RECEPTORS**

[54] **COMPOSES D'AMINOISOXAZOLINE EN TANT QUE RECEPTEURS NICOTINIQUES ALPHA7 DE L'ACETYLCHOLINE**

[72] ACHARYA, RAKSHA, US  
[72] BURNETT, DUANE A., US  
[72] BURSAVICH, MATTHEW GREGORY, US  
[72] COOK, ANDREW SIMON, US  
[72] HARRISON, BRYCE ALDEN, US  
[72] MCRINER, ANDREW J., US  
[71] AXOVANT SCIENCES GMBH, CH  
[85] 2018-04-20  
[86] 2016-10-12 (PCT/US2016/056607)  
[87] (WO2017/069980)  
[30] US (62/243,947) 2015-10-20

[21] **3,003,133**  
[13] A1

[51] **Int.Cl. A61K 35/545 (2015.01) A61K 35/768 (2015.01) A61K 35/28 (2015.01) A61K 35/76 (2015.01) A61K 38/19 (2006.01) A61K 38/20 (2006.01) A61K 39/00 (2006.01) A61K 41/00 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01)**

[25] EN

[54] **COMBINATION IMMUNOTHERAPY APPROACH FOR TREATMENT OF CANCER**

[54] **TECHNIQUE D'IMMUNOTHERAPIE COMBINEE POUR LE TRAITEMENT DU CANCER**

[72] SZALAY, ALADAR, US  
[72] MINEV, BORIS, US  
[71] STEMIMMUNE, INCORPORATED, US  
[85] 2018-04-24  
[86] 2015-10-23 (PCT/US2015/057234)  
[87] (WO2016/065330)  
[30] US (62/068,557) 2014-10-24  
[30] US (62/073,907) 2014-10-31

[21] **3,003,267**  
[13] A1

[51] **Int.Cl. A61K 9/14 (2006.01) A61K 47/69 (2017.01) A61K 9/00 (2006.01) A61K 31/7088 (2006.01) A61K 31/7105 (2006.01) A61K 47/24 (2006.01)**

[25] EN

[54] **NANOPARTICLE FORMULATIONS FOR DELIVERY OF NUCLEIC ACID COMPLEXES**

[54] **FORMULATIONS DE NANOPARTICULES POUR L'ADMINISTRATION DE COMPLEXES D'ACIDE NUCLEIQUE**

[72] OZSOLAK, FATIH, US  
[72] BHAT, BALKRISHEN, US  
[71] TRANSLATE BIO MA, INC., US  
[85] 2018-04-25  
[86] 2016-10-26 (PCT/US2016/058842)  
[87] (WO2017/075038)  
[30] US (62/246,290) 2015-10-26  
[30] US (62/246,305) 2015-10-26  
[30] US (62/288,128) 2016-01-28  
[30] US (62/288,154) 2016-01-28

[21] **3,003,669**  
[13] A1

[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/454 (2006.01) A61K 31/55 (2006.01) A61P 25/00 (2006.01) C07D 401/08 (2006.01)**

[25] EN

[54] **OXIME COMPOUNDS AS AGONISTS OF THE MUSCARINIC M1 AND/OR M4 RECEPTOR**

[54] **COMPOSES OXIME A UTILISER EN TANT QU'AGONISTES DU RECEPTEUR MUSCARINIQUE M1 ET/OU M4**

[72] BROWN, GILES ALBERT, GB  
[72] TEHAN, BENJAMIN GERALD, GB  
[71] HEPTARES THERAPEUTICS LIMITED, GB  
[85] 2018-04-30  
[86] 2016-11-02 (PCT/GB2016/053396)  
[87] (WO2017/077292)  
[30] GB (1519352.7) 2015-11-02

[21] **3,003,744**  
[13] A1

[51] **Int.Cl. A47C 7/62 (2006.01) A47C 1/12 (2006.01) A63G 31/16 (2006.01) A63J 5/00 (2006.01) B05B 1/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR FLUID DELIVERY IN SEAT SYSTEMS**

[54] **SYSTEMES ET PROCEDES DE DISTRIBUTION DE FLUIDE DANS DES SYSTEMES D'ASSISE**

[72] JAMELE, DANIEL ROBERT, US  
[72] KAWAKAMI, TAKAYOSHI, US  
[72] RYLE, JORDAN WOLF, US  
[72] BODA, RYAN ADAM, US  
[72] WELBORN, ROBERT BRYCE MINDEN, US  
[71] MEDIAMATION, INC., US  
[85] 2018-04-30  
[86] 2016-11-03 (PCT/US2016/060409)  
[87] (WO2017/079490)  
[30] US (14/935,334) 2015-11-06

[21] **3,004,085**  
[13] A1

[51] **Int.Cl. A23L 33/17 (2016.01) A23L 33/175 (2016.01) A23L 33/18 (2016.01) A23L 2/66 (2006.01) A61K 31/198 (2006.01) A61K 38/02 (2006.01)**

[25] EN

[54] **METHOD FOR INDUCING SATIETY**

[54] **PROCEDE POUR INDUIRE LA SATIETE**

[72] BOLSTER, DOUGLAS, US  
[72] HARKNESS, LAURA, US  
[72] PETERSON, BRENT L., US  
[72] RAHN, MAIKE, US  
[71] STOKELY-VAN CAMP, INC., US  
[71] GLANBIA NUTRITIONALS (IRELAND) LTD., IE  
[85] 2018-05-02  
[86] 2016-11-04 (PCT/US2016/060648)  
[87] (WO2017/079634)  
[30] US (62/250,996) 2015-11-04  
[30] US (15/071,729) 2016-03-16



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[13] A1

[51] **Int.Cl. G01N 33/48 (2006.01) C12Q 1/68 (2018.01) G01N 33/574 (2006.01)**

[25] EN

[54] **DEVELOPMENT OF PROGNOSTIC MARKERS DSG-3 FROM THE SALIVA OF ORAL CANCER PATIENTS**

[54] **DEVELOPPEMENT DE MARQUEURS PRONOSTIQUES DSG-3 A PARTIR DE LA SALIVE DE PATIENTS ATTEINTS DU CANCER DE LA BOUCHE**

[72] SINHA, UTTAM K., US

[72] MASOOD, RIZWAN, US

[71] UNIVERSITY OF SOUTHERN CALIFORNIA, US

[85] 2018-05-04

[86] 2016-11-04 (PCT/US2016/060705)

[87] (WO2017/079677)

[30] US (62/252,338) 2015-11-06

[21] **3,004,685**  
[13] A1

[51] **Int.Cl. A61B 3/00 (2006.01)**

[25] EN

[54] **OPTICAL FIBER HAVING PROXIMAL TAPER FOR OPHTHALMIC SURGICAL ILLUMINATION**

[54] **FIBRE OPTIQUE PRESENTANT UN CONE PROXIMAL POUR L'ECLAIRAGE CHIRURGICAL OPHTALMIQUE**

[72] SMITH, RONALD T., US

[72] MIRSEPASSI, ALIREZA, US

[71] NOVARTIS AG, CH

[85] 2018-05-08

[86] 2016-12-01 (PCT/IB2016/057259)

[87] (WO2017/093927)

[30] US (14/957,248) 2015-12-02

[21] **3,004,687**  
[13] A1

[51] **Int.Cl. C01B 25/45 (2006.01) H01M 4/58 (2010.01)**

[25] EN

[54] **OLIVINE-TYPE COMPOUNDS: METHOD FOR THEIR PREPARATION AND USE IN CATHODE MATERIALS FOR SODIUM-ION BATTERIES**

[54] **COMPOSES DE TYPE OLIVINE : PROCEDE DE PREPARATION ET UTILISATION DANS DES MATERIAUX DE CATHODE POUR BATTERIES SODIUM-ION**

[72] GALCERAN MESTRES, MONTSE, ES

[72] CASAS-CABANAS, MONTSE, ES

[72] ARMAND, MICHEL, ES

[72] ROJO, TEOFILO, ES

[72] GUERFI, ABDELBAST, CA

[72] ZAGHIB, KARIM, CA

[72] PAOLELLA, ANDREA, CA

[71] HYDRO-QUEBEC, CA

[71] CIC ENERGIGUNE, ES

[85] 2018-05-08

[86] 2016-12-20 (PCT/IB2016/057840)

[87] (WO2017/109707)

[30] US (62/270,317) 2015-12-21

[21] **3,004,690**  
[13] A1

[51] **Int.Cl. A61K 33/34 (2006.01) A61K 47/34 (2017.01) A61L 31/00 (2006.01) A61L 31/02 (2006.01) A61L 31/08 (2006.01) A61L 31/10 (2006.01) A61L 31/16 (2006.01)**

[25] EN

[54] **BIOCOMPATIBLE ARTICLES WITH EMBEDDED COPPER IONS AND COPPER ION RELEASING COATING**

[54] **ARTICLES BIOCOMPATIBLES COMPRENANT DES IONS CUIVRE NOYES DANS LA MASSE ET REVETEMENT A LIBERATION D'IONS CUIVRE**

[72] LOITNER, INBAL, IL

[72] GARTY, SHAI, IL

[72] GABBAY, DAFNA, IL

[71] CURICAL TECHNOLOGIES LTD., IL

[85] 2018-05-08

[86] 2016-11-11 (PCT/IL2016/051221)

[87] (WO2017/081692)

[30] US (62/254,395) 2015-11-12

[30] US (62/254,398) 2015-11-12

[30] US (62/254,414) 2015-11-12

[21] **3,004,692**  
[13] A1

[51] **Int.Cl. G01S 13/93 (2006.01) B60P 1/04 (2006.01) G01S 7/41 (2006.01) G01S 13/52 (2006.01) G08G 1/16 (2006.01)**

[25] EN

[54] **OFF-ROAD DUMP TRUCK AND OBSTACLE DISCRIMINATION DEVICE**

[54] **CAMION BENNE TOUT TERRAIN ET DISPOSITIF DE DISCRIMINATION D'OBSTACLE**

[72] WATANABE, ATSUSHI, JP

[72] NAKA, TAKUYA, JP

[72] UOTSU, SHINICHI, JP

[72] TAKEDA, KOEI, JP

[71] HITACHI CONSTRUCTION MACHINERY CO., LTD., JP

[85] 2018-05-08

[86] 2016-09-08 (PCT/JP2016/076411)

[87] (WO2017/110159)

[30] JP (2015-254139) 2015-12-25

[21] **3,004,750**  
[13] A1

[51] **Int.Cl. G06N 99/00 (2010.01) B82Y 10/00 (2011.01) H01L 39/22 (2006.01)**

[25] EN

[54] **TECHNIQUES FOR QUANTUM ERROR CORRECTION USING BOSONIC MODES AND RELATED SYSTEMS AND METHODS**

[54] **TECHNIQUES DE CORRECTION D'ERREUR QUANTIQUE UTILISANT DES MODES BOSONIQUES AINSI QUE SYSTEMES ET PROCEDES ASSOCIES**

[72] GIRVIN, STEVEN M., US

[72] JIANG, LIANG, US

[72] MICHAEL, MARIOS H., US

[72] SILVERI, MATTI, US

[72] BRIERLEY, RICHARD T., US

[72] ALBERT, VICTOR V., US

[72] SALMILEHTO, JUHA, US

[71] YALE UNIVERSITY, US

[85] 2018-05-08

[86] 2016-12-02 (PCT/US2016/064609)

[87] (WO2017/151200)

[30] US (62/263,473) 2015-12-04

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[21] **3,004,765**  
[13] A1

[51] **Int.Cl. F24S 70/20 (2018.01) F24S 20/20 (2018.01) F24S 70/16 (2018.01) E04D 13/18 (2018.01)**

[25] EN

[54] **CERAMIC PARTICLES FOR USE IN A SOLAR POWER TOWER**

[54] **PARTICULES DE CERAMIQUE DESTINEES A ETRE UTILISEES DANS UNE TOUR SOLAIRE THERMIQUE**

[72] KRAUSE, CLAUDE, US  
[72] ELDRD, BENJAMIN, US  
[72] CANOVA, STEVE, US  
[71] CARBO CERAMICS INC., US  
[85] 2018-05-08  
[86] 2016-12-07 (PCT/US2016/065244)  
[87] (WO2017/100235)  
[30] US (62/264,010) 2015-12-07  
[30] US (15/370,978) 2016-12-06

[21] **3,004,767**  
[13] A1

[51] **Int.Cl. G09F 9/00 (2006.01) H04N 13/305 (2018.01) H04N 13/359 (2018.01) G02F 1/00 (2006.01) G09G 3/00 (2006.01)**

[25] EN

[54] **DISPLAY DEVICE AND DISPLAY CONTROL METHOD**

[54] **DISPOSITIF D'AFFICHAGE ET PROCEDE DE COMMANDE D'AFFICHAGE**

[72] KOERBER, ACHIM GERHARD ROLF, NL  
[72] KROON, BART, NL  
[72] JOHNSON, MARK THOMAS, NL  
[71] KONINKLIJKE PHILIPS N.V., NL  
[85] 2018-05-07  
[86] 2016-10-24 (PCT/EP2016/075481)  
[87] (WO2017/080799)  
[30] EP (15193777.8) 2015-11-10

[21] **3,004,856**  
[13] A1

[51] **Int.Cl. A61K 31/58 (2006.01) A61K 31/427 (2006.01) A61K 31/4418 (2006.01) A61K 31/513 (2006.01) A61K 31/5365 (2006.01) A61K 31/675 (2006.01) A61P 31/18 (2006.01)**

[25] EN

[54] **HIV MATURATION INHIBITOR FORMULATIONS**

[54] **FORMULATIONS D'INHIBITEURS DE MATURATION DU VIH**

[72] DELMONTE, ALBERT J., US  
[72] DICKER, IRA B., US  
[72] HWANG, CAREY KANG-LUN, US  
[72] JOSHI, SAMIT RAMESH, US  
[72] LATAILLADE, MAX, US  
[71] VIIV HEALTHCARE UK (NO.4) LIMITED, GB  
[85] 2018-05-09  
[86] 2016-11-18 (PCT/IB2016/056956)  
[87] (WO2017/085677)  
[30] US (62/257,871) 2015-11-20  
[30] US (62/376,516) 2016-08-18

[21] **3,004,958**  
[13] A1

[51] **Int.Cl. A23K 20/10 (2016.01) A23K 20/195 (2016.01) A23K 30/00 (2016.01) A23K 40/30 (2016.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS OF USE OF .BETA.-HYDROXY-.BETA.-METHYLBUTYRATE (HMB) AS AN ANIMAL FEED ADDITIVE**

[54] **COMPOSITIONS ET PROCEDES D'UTILISATION DE .BETA.-HYDROXY-.BETA.-METHYLBUTYRATE (HMB) COMME ADDITIF D'ALIMENT POUR ANIMAUX**

[72] FULLER, JOHN, US  
[72] RATHMACHER, JOHN, US  
[72] BAIER, SHAWN, US  
[71] METABOLIC TECHNOLOGIES, INC., US  
[85] 2018-05-09  
[86] 2016-11-10 (PCT/US2016/061278)  
[87] (WO2017/083487)  
[30] US (62/253,428) 2015-11-10

[21] **3,005,160**  
[13] A1

[51] **Int.Cl. A23K 20/10 (2016.01) A23K 20/111 (2016.01) A23K 20/158 (2016.01) A23K 50/30 (2016.01) A23K 50/75 (2016.01)**

[25] EN

[54] **COMPOSITION OF BUTYRATE OR DERIVATIVE THEREOF AND BENZOIC ACID, AND PREPARATION THEREOF AND USE AS FEEDSTUFF ADDITIVE THEREOF**

[54] **FORMULE DE COMPOSE DE BUTYRATE ET DE SES DERIVES ET DE L'ACIDE BENZOIQUE, ET SON PROCEDE DE PREPARATION ET SON UTILISATION COMME ADDITIF ALIMENTAIRE**

[72] LAI, ZHOUWEN, NZ  
[72] ZHANG, LIANG, CN  
[71] SINGAO CO., LTD., CN  
[85] 2018-04-12  
[86] 2015-10-15 (PCT/CN2015/092045)  
[87] (WO2017/063179)

[21] **3,005,208**  
[13] A1

[51] **Int.Cl. B32B 37/10 (2006.01) B82Y 30/00 (2011.01) B82Y 40/00 (2011.01) C01B 32/15 (2017.01) C01B 32/158 (2017.01) C01B 32/168 (2017.01) C01B 32/194 (2017.01) B32B 5/18 (2006.01) B32B 9/04 (2006.01) B32B 15/00 (2006.01) B33Y 10/00 (2015.01)**

[25] EN

[54] **HIGH CONDUCTIVITY GRAPHANE-METAL COMPOSITE AND METHODS OF MANUFACTURE**

[54] **COMPOSITE GRAPHANE-METAL DE CONDUCTIVITE ELEVEE ET PROCEDES DE FABRICATION**

[72] SEAH, CHOON MING, MY  
[72] FARQUHAR, JAMES J., MY  
[71] FOURTE INTERNATIONAL, SDN. BHD., MY  
[71] FARQUHAR, JAMES J., MY  
[85] 2018-05-11  
[86] 2016-11-10 (PCT/US2016/061265)  
[87] (WO2017/087240)  
[30] US (14/947,951) 2015-11-20  
[30] US (15/017,578) 2016-02-05

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[21] **3,005,271**  
[13] A1

[51] **Int.Cl. C25D 5/50 (2006.01) B32B 15/04 (2006.01) B32B 15/16 (2006.01) B32B 33/00 (2006.01) C25D 3/06 (2006.01)**

[25] FR

[54] **AIRCRAFT ENGINE PART COMPRISING AN EROSION PROTECTIVE COATING AND PROCESS FOR MANUFACTURING SUCH A PART**

[54] **PIECE DE MOTEUR D'AERONEF COMPORTANT UN REVETEMENT DE PROTECTION CONTRE L'EROSION ET PROCEDE DE FABRICATION D'UNE TELLE PIECE**

[72] GURT SANTANACH, JULIEN, FR

[72] VIOLA, ALAIN, FR

[72] CRABOS, FABRICE, FR

[71] SAFRAN, FR

[71] SAFRAN HELICOPTER ENGINES, FR

[85] 2018-05-11

[86] 2016-11-16 (PCT/FR2016/052967)

[87] (WO2017/085400)

[30] FR (1561118) 2015-11-19

[21] **3,005,277**  
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/0205 (2006.01) A61B 5/0402 (2006.01) A61B 5/053 (2006.01) A61B 5/08 (2006.01) A61B 5/085 (2006.01)**

[25] FR

[54] **METHOD AND SYSTEM FOR ACQUIRING AND ANALYZING PHYSIOLOGICAL DATA**

[54] **PROCEDE ET SYSTEME D'ACQUISITION ET D'ANALYSE DE DONNEES PHYSIOLOGIQUES**

[72] COULON, DAVID, FR

[72] TARLET, JEAN-MICHEL, FR

[71] @HAEALTH, FR

[85] 2018-05-11

[86] 2016-11-16 (PCT/FR2016/052973)

[87] (WO2017/085403)

[30] FR (15 02422) 2015-11-19

[21] **3,005,283**  
[13] A1

[51] **Int.Cl. A61L 2/18 (2006.01) A61L 2/20 (2006.01) A61L 2/22 (2006.01) C01B 15/037 (2006.01)**

[25] FR

[54] **HYDROGEN PEROXIDE AQUEOUS SOLUTION CONTAINING A SPECIFIC STABILIZER**

[54] **SOLUTION AQUEUSE DE PEROXYDE D'HYDROGENE COMPRENANT UN STABILISANT SPECIFIQUE**

[72] ZYDOWICZ, PHILIPPE, FR

[72] LARNICOL, PIERRE, FR

[71] ARKEMA FRANCE, FR

[85] 2018-05-11

[86] 2016-11-18 (PCT/FR2016/053016)

[87] (WO2017/085428)

[30] FR (15 61086) 2015-11-18

[21] **3,005,288**  
[13] A1

[51] **Int.Cl. B60C 1/00 (2006.01) C08K 3/36 (2006.01) C08L 9/06 (2006.01)**

[25] FR

[54] **TYRE, THE TREAD OF WHICH COMPRISES A RUBBER COMPOSITION COMPRISING A LOW SPECIFIC SURFACE AREA SILICA AND A LOW GLASS TRANSITION TEMPERATURE DIENE ELASTOMER**

[54] **PNEUMATIQUE DONT LA BANDE DE ROULEMENT COMPREND UNE COMPOSITION DE CAOUTCHOUC COMPRENANT UNE SILICE DE BASSE SURFACE SPECIFIQUE ET UN ELASTOMERE DIENIQUE DE FAIBLE TEMPERATURE DE TRANSITION VITREUSE**

[72] VOISIN, FLORIANDRE, FR

[72] NOURRY, CHRISTINE, FR

[72] LONGCHAMBON, KARINE, FR

[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR

[85] 2018-05-11

[86] 2016-12-08 (PCT/FR2016/053282)

[87] (WO2017/103386)

[30] FR (1562820) 2015-12-18

[21] **3,005,290**  
[13] A1

[51] **Int.Cl. A61K 47/12 (2006.01) A61K 9/00 (2006.01) A61K 9/14 (2006.01) A61K 31/00 (2006.01) A61K 47/26 (2006.01)**

[25] EN

[54] **A PROCESS FOR PREPARING A DRY POWDER FORMULATION COMPRISING AN ANTICHOLINERGIC, A CORTICOSTEROID AND A BETA-ADRENERGIC**

[54] **PROCEDE POUR PREPARER UNE FORMULATION DE POUDRE SECHE COMPRENANT UN ANTICHOLINERGIQUE, UN CORTICOSTEROIDE ET UN BETA-ADRENERGIQUE**

[72] CAFIERO, CLAUDIO, IT

[72] ORTENZI, LEONARDO, IT

[72] SCHIARETTI, FRANCESCA, IT

[71] CHIESI FARMACEUTICI S.P.A., IT

[85] 2018-05-14

[86] 2016-11-14 (PCT/EP2016/077558)

[87] (WO2017/085004)

[30] EP (15194660.5) 2015-11-16

[21] **3,005,291**  
[13] A1

[51] **Int.Cl. A61K 47/12 (2006.01) A61K 9/00 (2006.01) A61K 9/14 (2006.01) A61K 31/00 (2006.01) A61K 47/26 (2006.01)**

[25] EN

[54] **A PROCESS FOR PREPARING A DRY POWDER FORMULATION COMPRISING AN ANTICHOLINERGIC, A CORTICOSTEROID AND A BETA-ADRENERGIC**

[54] **PROCEDE DE PREPARATION D'UNE FORMULATION DE POUDRE SECHE COMPRENANT UN ANTICHOLINERGIQUE, UN CORTICOSTEROIDE ET UN BETA-ADRENERGIQUE**

[72] CAFIERO, CLAUDIO, IT

[72] ORTENZI, LEONARDO, IT

[71] CHIESI FARMACEUTICI S.P.A., IT

[85] 2018-05-14

[86] 2016-11-14 (PCT/EP2016/077566)

[87] (WO2017/085007)

[30] EP (15194661.3) 2015-11-16

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[21] **3,005,294**  
[13] A1

[51] **Int.Cl. A61K 39/44 (2006.01) A61K 31/437 (2006.01) C07K 16/30 (2006.01)**

[25] EN

[54] **ANTI-5T4 ANTIBODIES AND ANTIBODY-DRUG CONJUGATES**

[54] **ANTICORPS ANTI-5T4 ET CONJUGUES ANTICORPS-MEDICAMENT**

[72] VAN DER LEE, MIRANDA MARIA CORNELIA, NL

[72] ARIAANS, GERARDUS JOSEPH ANDREAS, NL

[72] SCHOUTEN, JAN, NL

[72] BLOMENROHR, MARION, NL

[72] GROOTHUIS, PATRICK GERHARD, NL

[72] COUMANS, RUDY GERARDUS ELISABETH, NL

[71] SYNTHON BIOPHARMACEUTICALS B.V., NL

[85] 2018-05-14

[86] 2016-11-24 (PCT/EP2016/078642)

[87] (WO2017/089447)

[30] EP (15195978.0) 2015-11-24

[30] EP (16191272.0) 2016-09-29

[21] **3,005,328**  
[13] A1

[51] **Int.Cl. A61B 17/86 (2006.01)**

[25] FR

[54] **DUAL-THREAD BONE SCREW**

[54] **VIS OSSEUSE A DOUBLE FILET**

[72] KRIER, BRICE, FR

[72] VIRGAUX, NICOLAS, FR

[72] SAUVAGE, BRUNO, FR

[72] VIART, GUY, FR

[72] ROKEGEM, PASCAL, FR

[72] CLEVENNA, ANDREW, US

[71] CLARIANCE, FR

[85] 2018-05-14

[86] 2016-11-08 (PCT/FR2016/052896)

[87] (WO2017/085376)

[30] FR (1560934) 2015-11-16

[21] **3,005,329**  
[13] A1

[51] **Int.Cl. C23C 14/56 (2006.01) C23C 16/54 (2006.01)**

[25] FR

[54] **DEVICE FOR THE COATING OF ONE OR MORE WIRES USING A VAPOUR PHASE DEPOSITION METHOD**

[54] **DISPOSITIF POUR LE REVETEMENT D'UN OU PLUSIEURS FILS PAR UN PROCEDE DE DEPOT EN PHASE VAPEUR**

[72] BUET, EMILIE, FR

[72] THIBAUD, SIMON, FR

[72] DELCAMP, ADRIEN, FR

[72] DESCAMPS, CEDRIC, FR

[71] SAFRAN CERAMICS, FR

[85] 2018-05-14

[86] 2016-11-17 (PCT/FR2016/052990)

[87] (WO2017/085412)

[30] FR (1561149) 2015-11-19

[21] **3,005,330**  
[13] A1

[51] **Int.Cl. C08L 95/00 (2006.01)**

[25] EN

[54] **CRACK RESISTANT MICRO SURFACING COMPOSITION**

[54] **COMPOSITION DE MICROSURFACAGE RESISTANT AUX FISSURES**

[72] HEMSLEY, JAMES M., JR., US

[72] JORDAN, WALTER S., III, US

[72] DARANGA, CODRIN, US

[71] ERGON ASPHALT & EMULSIONS, INC., US

[85] 2018-05-14

[86] 2016-11-11 (PCT/US2016/061482)

[87] (WO2017/083614)

[30] US (62/254,998) 2015-11-13

[21] **3,005,331**  
[13] A1

[51] **Int.Cl. A01K 45/00 (2006.01) A01K 29/00 (2006.01) A61B 5/00 (2006.01) B07C 5/34 (2006.01) G06F 19/00 (2018.01)**

[25] EN

[54] **SYSTEM AND METHOD OF DETERMINING THE HEALTH & GENDER OF A CHICK**

[54] **SYSTEME ET PROCEDE POUR DETERMINER LA SANTE ET LE SEXE DU D'UN POUSSIN**

[72] KARIMPOUR, RAMIN, US

[71] APPLIED LIFESCIENCES AND SYSTEMS, LLC, US

[85] 2018-05-14

[86] 2016-11-11 (PCT/US2016/061536)

[87] (WO2017/083654)

[30] US (62/254,737) 2015-11-13

[30] US (62/349,981) 2016-06-14

[21] **3,005,337**  
[13] A1

[51] **Int.Cl. A61D 1/02 (2006.01) A61D 7/00 (2006.01)**

[25] EN

[54] **AUTOMATIC SYSTEM AND METHOD FOR DELIVERING A SUBSTANCE TO AN ANIMAL**

[54] **SYSTEME ET PROCEDE AUTOMATIQUES D'ADMINISTRATION D'UNE SUBSTANCE A UN ANIMAL**

[72] KARIMPOUR, RAMIN, US

[71] APPLIED LIFESCIENCES AND SYSTEMS, LLC, US

[85] 2018-05-14

[86] 2016-11-11 (PCT/US2016/061548)

[87] (WO2017/083663)

[30] US (62/254,737) 2015-11-13

[30] US (62/349,981) 2016-06-14

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[21] **3,005,454**  
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01)**  
[25] EN  
[54] **CHEMICALLY-LOCKED  
BISPECIFIC ANTIBODIES**  
[54] **ANTICORPS BISPECIFIQUES  
BLOQUES CHIMIQUÉMENT**  
[72] FU, YANWEN, US  
[72] KAUFMANN, GUNNAR F., US  
[72] PATTERSON, JAMES, US  
[71] SORRENTO THERAPEUTICS, INC.,  
US  
[85] 2018-05-15  
[86] 2016-11-17 (PCT/US2016/062411)  
[87] (WO2017/087603)  
[30] US (62/257,044) 2015-11-18

[21] **3,005,459**  
[13] A1

[51] **Int.Cl. A61M 5/30 (2006.01)**  
[25] EN  
[54] **NEEDLE-FREE TRANSDERMAL  
INJECTION DEVICE**  
[54] **DISPOSITIF D'INJECTION  
TRANSDERMIQUE SANS  
AIGUILLE**  
[72] COATS, ANDREW, US  
[72] DYER, ROBERT J., US  
[71] PORTAL INSTRUMENTS, INC., US  
[85] 2018-05-15  
[86] 2016-11-22 (PCT/US2016/063240)  
[87] (WO2017/091536)  
[30] US (14/952,056) 2015-11-25

[21] **3,005,479**  
[13] A1

[51] **Int.Cl. H04N 21/441 (2011.01) H04N  
21/234 (2011.01) H04N 21/27  
(2011.01) G06F 21/10 (2013.01) H04N  
19/44 (2014.01) H04N 19/70 (2014.01)  
H04L 9/30 (2006.01) G08B 13/196  
(2006.01)**  
[25] EN  
[54] **MEDIA STREAMING**  
[54] **DIFFUSION DE FLUX MEDIAS**  
[72] RACZ, PIERRE, CA  
[72] RIOUX, FREDERIC, CA  
[71] GENETEC INC., CA  
[85] 2018-05-16  
[86] 2016-11-21 (PCT/CA2016/051358)  
[87] (WO2017/083985)  
[30] US (62/257,966) 2015-11-20

[21] **3,005,483**  
[13] A1

[51] **Int.Cl. C07K 1/16 (2006.01) C07K  
1/18 (2006.01) C07K 16/00 (2006.01)**  
[25] EN  
[54] **IMPROVED PROTEIN  
SEPARATION IN ION EXCHANGE  
CHROMATOGRAPHY**  
[54] **SEPARATION DE PROTEINES  
AMELIOREE DANS LA  
CHROMATOGRAPHIE  
D'ECHANGE D'IONS**  
[72] JOEHNCK, MATTHIAS, DE  
[71] MERCK PATENT GMBH, DE  
[85] 2018-05-16  
[86] 2016-10-28 (PCT/EP2016/001803)  
[87] (WO2017/084737)  
[30] EP (15195242.1) 2015-11-18

[21] **3,005,488**  
[13] A1

[51] **Int.Cl. C07K 16/18 (2006.01)**  
[25] EN  
[54] **IMPROVED SERUM ALBUMIN  
BINDERS**  
[54] **LIANTS D'ALBUMINE SERIQUE  
AMELIORES**  
[72] BUYSE, MARIE-ANGE, BE  
[71] ABLYNX NV, BE  
[85] 2018-05-16  
[86] 2016-11-17 (PCT/EP2016/077973)  
[87] (WO2017/085172)  
[30] US (62/256,841) 2015-11-18  
[30] US (62/335,746) 2016-05-13  
[30] US (62/349,294) 2016-06-13

[21] **3,005,492**  
[13] A1

[51] **Int.Cl. A61K 9/08 (2006.01) A61K  
9/19 (2006.01) A61K 47/26 (2006.01)  
A61P 35/00 (2006.01)**  
[25] EN  
[54] **NOVEL PHARMACEUTICAL  
COMPOSITION COMPRISING A  
PARTICLES COMPRISING A  
COMPLEX OF A DOUBLE-  
STRANDED  
POLYRIBONUCLEOTIDE AND A  
POLYALKYLENEIMINE**  
[54] **NOUVELLE COMPOSITION  
PHARMACEUTIQUE  
COMPRENANT DES PARTICULES  
COMPRENANT UN COMPLEXE  
CONSTITUE D'UN  
POLYRIBONUCLEOTIDE  
BICATENAIRE ET D'UNE  
POLYALKYLENEIMINE**  
[72] POZUELO RUBIO, MERCEDES, ES  
[72] QUINTERO ORTIZ, MARISOL, ES  
[72] VILLANUEVA GARCIA, ANA, ES  
[71] BIONCOTECH THERAPEUTICS, S.L.,  
ES  
[85] 2018-05-16  
[86] 2016-11-17 (PCT/EP2016/078078)  
[87] (WO2017/085228)  
[30] EP (15194864.3) 2015-11-17

[21] **3,005,497**  
[13] A1

[51] **Int.Cl. B23B 13/12 (2006.01)**  
[25] EN  
[54] **DEVICE AND METHOD FOR  
RECOVERING AND UNLOADING  
BAR CROP ENDS FROM A  
MACHINE TOOL**  
[54] **DISPOSITIF ET PROCEDE POUR  
RECUPERER ET DECHARGER  
DES EXTREMITES DE CHUTE DE  
BARRE D'UNE MACHINE-OUTIL**  
[72] CUCCHI, CESARE, IT  
[71] CUCCHI GIOVANNI & C. S.R.L., IT  
[85] 2018-05-16  
[86] 2016-11-23 (PCT/EP2016/078573)  
[87] (WO2017/089409)  
[30] IT (UB2015A005834) 2015-11-24

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[21] **3,005,504**  
[13] A1

[51] **Int.Cl. B32B 17/10 (2006.01)**  
[25] EN  
[54] **METHOD FOR ROLLING UP A WEDGE-SHAPED FILM**  
[54] **PROCEDE POUR ENROULER UNE FEUILLE CUNEIFORME**  
[72] GIER, STEPHAN, DE  
[72] LUCKE, STEFAN, DE  
[71] SAINT-GOBAIN GLASS FRANCE, FR  
[85] 2018-05-16  
[86] 2016-12-09 (PCT/EP2016/080359)  
[87] (WO2017/102567)  
[30] EP (15199812.7) 2015-12-14

[21] **3,005,523**  
[13] A1

[51] **Int.Cl. C07K 16/00 (2006.01) C07K 14/39 (2006.01) C07K 16/14 (2006.01) C07K 16/46 (2006.01)**  
[25] EN  
[54] **MULTISPECIFIC ANTIBODIES**  
[54] **ANTICORPS MULTISPECIFIQUES**  
[72] BHATTA, PALLAVI, GB  
[72] STARKIE, LAURA, GB  
[72] WRIGHT, MICHAEL JOHN, GB  
[71] UCB BIOPHARMA SPRL, BE  
[85] 2018-05-16  
[86] 2016-12-01 (PCT/EP2016/079429)  
[87] (WO2017/093402)  
[30] GB (1521382.0) 2015-12-03

[21] **3,005,527**  
[13] A1

[51] **Int.Cl. A61K 31/426 (2006.01) A61K 9/00 (2006.01) A61P 27/02 (2006.01)**  
[25] FR  
[54] **MIRABEGRON FOR THE TREATMENT OF RETINAL DISEASES**  
[54] **MIRABEGRON POUR LE TRAITEMENT DE MALADIES RETINIENNES**  
[72] FONTAINE, VALERIE, FR  
[72] VIDAL, CECILE, FR  
[72] SAHEL, JOSE-ALAIN, FR  
[71] SORBONNE UNIVERSITE, FR  
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR  
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR  
[85] 2018-05-16  
[86] 2016-11-17 (PCT/FR2016/052981)  
[87] (WO2017/085407)  
[30] FR (1561067) 2015-11-17

[21] **3,005,532**  
[13] A1

[51] **Int.Cl. F02B 75/04 (2006.01)**  
[25] FR  
[54] **ROD FOR A VARIABLE COMPRESSION RATIO ENGINE**  
[54] **BIELLE POUR MOTEUR A RAPPORT VOLUMETRIQUE VARIABLE**  
[72] DURY, PHILIPPE, FR  
[72] MIEHE, YVES, FR  
[71] MCE 5 DEVELOPMENT, FR  
[85] 2018-05-16  
[86] 2016-11-17 (PCT/FR2016/052984)  
[87] (WO2017/085409)  
[30] FR (1561052) 2015-11-17

[21] **3,005,551**  
[13] A1

[51] **Int.Cl. C07D 245/04 (2006.01) A61K 31/395 (2006.01) A61P 31/04 (2006.01)**  
[25] EN  
[54] **MACROCYCLIC BROAD SPECTRUM ANTIBIOTICS**  
[54] **ANTIBIOTIQUES MACROCYCLIQUES A LARGE SPECTRE**  
[72] CHEN, YONGSHENG, CN  
[72] SMITH, PETER ANDREW, US  
[72] ROBERTS, TUCKER CURRAN, US  
[72] HIGUCHI, ROBERT I., US  
[72] PARASELLI, PRASUNA, US  
[72] KOEHLER, MICHAEL F. T., US  
[72] SCHWARZ, JACOB BRADLEY, US  
[72] CRAWFORD, JAMES JOHN, US  
[72] LY, CUONG Q., US  
[72] HU, HUIYONG, US  
[72] YU, ZHIYONG, CN  
[71] RQX PHARMACEUTICALS, INC., US  
[71] GENENTECH, INC., US  
[85] 2018-05-16  
[86] 2016-11-21 (PCT/CN2016/106597)  
[87] (WO2017/084629)  
[30] CN (PCT/CN2015/095165) 2015-11-20  
[30] CN (PCT/CN2016/105043) 2016-11-08

[21] **3,005,553**  
[13] A1

[51] **Int.Cl. C04B 2/02 (2006.01) C01F 5/02 (2006.01) C01F 11/02 (2006.01) C04B 2/06 (2006.01) C04B 2/10 (2006.01) C04B 22/06 (2006.01)**  
[25] EN  
[54] **POSTPONED ONSET OF QUICKCLIME HYDRATION**  
[54] **APPARITION REPORTEE DE L'HYDRATATION DE LA CHAUX VIVE**  
[72] CHUN, BYONG-WA, US  
[71] GCP APPLIED TECHNOLOGIES INC., US  
[85] 2018-05-14  
[86] 2016-11-14 (PCT/US2016/061855)  
[87] (WO2017/087326)  
[30] US (62/255,657) 2015-11-16

[21] **3,005,554**  
[13] A1

[51] **Int.Cl. A61B 5/0478 (2006.01) A61B 5/0476 (2006.01)**  
[25] EN  
[54] **EEG HEADSETS WITH PRECISE AND CONSISTENT ELECTRODE POSITIONING**  
[54] **CASQUES EEG AVEC POSITIONNEMENT D'ELECTRODES PRECIS ET COHERENT**  
[72] SCHALK, GERWIN, US  
[72] MORAN, DANIEL W., US  
[72] COKER, ROB, US  
[72] BUNDY, DAVID, US  
[72] RAGLAND, ROBERT R., US  
[72] D'AQUANNI, PETER J., US  
[72] VOORHEES, THOMAS, US  
[72] CARLSON, GILBERT L., US  
[72] LEUTHARDT, ERIC C., US  
[71] NEUROLUTIONS, INC., US  
[71] LEUTHARDT, ERIC C., US  
[71] MORAN, DANIEL W., US  
[71] COKER, ROB, US  
[71] BUNDY, DAVID, US  
[71] RAGLAND, ROBERT R., US  
[71] D'AQUANNI, PETER J., US  
[71] VOORHEES, THOMAS, US  
[71] CARLSON, GILBERT L., US  
[85] 2018-05-14  
[86] 2016-11-14 (PCT/US2016/061853)  
[87] (WO2017/083826)  
[30] US (62/255,238) 2015-11-13

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[21] **3,005,555**  
[13] A1

[51] **Int.Cl. A61B 5/02 (2006.01) G01L 1/00 (2006.01) G01L 1/10 (2006.01) G01L 1/18 (2006.01)**

[25] EN  
[54] **FIT-CHECK DEVICE**  
[54] **DISPOSITIF DE VERIFICATION D'AJUSTEMENT**

[72] FLOAT, JAMISON, US  
[72] LUA, JAMES, US  
[72] WISNIEWSKI, DAN, US  
[72] EDER, BRANDON, US  
[72] MYERS, GARY, US  
[72] ZLOBEC, SANRO, US  
[71] Q30 SPORTS SCIENCE, LLC, US  
[85] 2018-05-14  
[86] 2016-11-15 (PCT/US2016/062006)  
[87] (WO2017/087370)  
[30] US (62/256,004) 2015-11-16

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[21] **3,005,557**  
[13] A1

[51] **Int.Cl. A61B 17/132 (2006.01) A61B 17/135 (2006.01) A61H 39/04 (2006.01) F41H 1/00 (2006.01)**

[25] EN  
[54] **TRAUMATIC BRAIN INJURY PROTECTION DEVICES**  
[54] **DISPOSITIFS DE PROTECTION DE LESIONS CEREBRALES TRAUMATIQUES**

[72] ELVIRA, GEORGE, US  
[72] GEORGIEV, STEPHAN, US  
[72] TREMBLAY, MARTIN, US  
[71] Q30 SPORTS SCIENCE, LLC, US  
[85] 2018-05-14  
[86] 2016-11-16 (PCT/US2016/062335)  
[87] (WO2017/087556)  
[30] US (62/256,093) 2015-11-16

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[21] **3,005,558**  
[13] A1

[51] **Int.Cl. E04F 21/24 (2006.01) E01C 19/44 (2006.01)**

[25] EN  
[54] **FLOAT, FLOAT ASSEMBLIES, FLOAT ADAPTERS AND INTERFACES, FLOAT VIBRATION APPARATUS, AND GROOVERS AND METHODS**

[54] **APLANISSOIRE, ENSEMBLES APLANISSOIRES, INTERFACES ET ADAPTATEURS**  
[54] **D'APLANISSOIRES, APPAREIL DE VIBRATION D'APLANISSOIRE, ET FERS A RAINURES ET PROCEDES**

[72] BARATTA, ANTHONY, US  
[72] BRENING, SCOTT, US  
[71] BARON INNOVATIVE TECHNOLOGY LP, US  
[85] 2018-05-14  
[86] 2016-11-16 (PCT/US2016/062365)  
[87] (WO2017/087577)  
[30] US (62/256,030) 2015-11-16  
[30] US (62/289,241) 2016-01-30  
[30] US (62/289,909) 2016-02-01  
[30] US (62/289,904) 2016-02-01

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[21] **3,005,561**  
[13] A1

[51] **Int.Cl. B23K 9/10 (2006.01) H02M 3/28 (2006.01) H02M 3/335 (2006.01)**

[25] EN  
[54] **WELDING POWER SUPPLY WITH EXTENDED VOLTAGE CHARACTERISTIC**

[54] **ALIMENTATION DE SOUDAGE AVEC CARACTERISTIQUE DE TENSION ETENDUE**

[72] MNICH, ANDRZEJ, PL  
[71] ESAB AB, SE  
[85] 2018-05-16  
[86] 2015-12-14 (PCT/IB2015/059601)  
[87] (WO2017/103648)

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[21] **3,005,562**  
[13] A1

[51] **Int.Cl. C07C 67/293 (2006.01) C07C 6/04 (2006.01) C07C 69/533 (2006.01)**

[25] EN  
[54] **PRODUCTION OF FATTY OLEFIN DERIVATIVES VIA OLEFIN METATHESIS**

[54] **PRODUCTION DE DERIVES D'OLEFINES GRAS PAR L'INTERMEDIAIRE D'UNE METHESE D'OLEFINES**

[72] ONDI, LEVENTE, CH  
[72] MEHDI, HASAN, CH  
[72] WAMPLER, KEITH M., US  
[72] MEINHOLD, PETER, US  
[72] COELHO, PEDRO, US  
[72] BUI, VU, US  
[71] PROVIVI, INC., US  
[85] 2018-05-14  
[86] 2016-11-17 (PCT/US2016/062595)  
[87] (WO2017/087710)  
[30] US (62/257,148) 2015-11-18

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[21] **3,005,564**  
[13] A1

[51] **Int.Cl. F23R 3/28 (2006.01) F23R 3/34 (2006.01)**

[25] EN  
[54] **WELDED FUEL NOZZLE AND METHOD OF FABRICATING A FUEL NOZZLE**

[54] **BUSE DE CARBURANT SOUDEE ET PROCEDE DE FABRICATION D'UNE BUSE DE CARBURANT**

[72] MARCHAL, N. DARIUS, US  
[72] MCGHEE, MICHAEL, US  
[71] ANSALDO ENERGIA SWITZERLAND AG, CH  
[85] 2018-05-16  
[86] 2016-11-18 (PCT/IB2016/056967)  
[87] (WO2017/085683)  
[30] US (62/257,575) 2015-11-19

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[13] A1

[51] **Int.Cl. C07K 14/755 (2006.01) A61K 48/00 (2006.01) C12N 15/86 (2006.01)**  
[25] EN  
[54] **VIRAL VECTORS ENCODING RECOMBINANT FVIII VARIANTS WITH INCREASED EXPRESSION FOR GENE THERAPY OF HEMOPHILIA A**  
[54] **VECTEURS VIRAUX CODANT POUR DES VARIANTS DU FACTEUR VIII DE RECOMBINAISON AVEC UNE EXPRESSION AUGMENTEE POUR LA THERAPIE GENIQUE DE L'HEMOPHILIE A**  
[72] FALKNER, FALKO-GUNTER, AT  
[72] HORLING, FRANZISKA, AT  
[72] LENGLER, JOHANNES, AT  
[72] ROTTENSTEINER, HANSPETER, AT  
[72] SCHEIFLINGER, FRIEDRICH, AT  
[71] BAXALTA INCORPORATED, US  
[71] BAXALTA GMBH, CH  
[85] 2018-05-14  
[86] 2016-11-11 (PCT/US2016/061688)  
[87] (WO2017/083764)  
[30] US (62/255,323) 2015-11-13

[21] **3,005,567**  
[13] A1

[51] **Int.Cl. B01J 4/00 (2006.01) D21C 1/02 (2006.01)**  
[25] EN  
[54] **STEAM SAVING DEVICE**  
[54] **DISPOSITIF D'ECONOMIE DE VAPEUR**  
[72] HUEHNLEIN, BJOERN, DE  
[72] HOPPE, THOMAS, DE  
[72] HORTSCH, RALF, DE  
[72] GRASER, KONSTANZE, DE  
[71] CLARIANT INTERNATIONAL LTD, CH  
[85] 2018-05-14  
[86] 2016-11-30 (PCT/EP2016/079272)  
[87] (WO2017/102330)  
[30] EP (15199879.6) 2015-12-14

[21] **3,005,569**  
[13] A1

[51] **Int.Cl. H02J 9/06 (2006.01)**  
[25] EN  
[54] **SEAMLESS SWITCHOVER SYSTEM AND METHOD**  
[54] **SYSTEME ET PROCEDE DE BASCULEMENT SANS INTERRUPTION**  
[72] KANNER, ABE, CA  
[72] LUNGU, MIHAI, CA  
[72] ZHAO, JANICE, CA  
[71] THALES CANADA INC., CA  
[85] 2018-05-16  
[86] 2016-11-21 (PCT/IB2016/057011)  
[87] (WO2017/098366)  
[30] US (62/264,906) 2015-12-09

[21] **3,005,570**  
[13] A1

[51] **Int.Cl. F02B 75/04 (2006.01) F16C 3/28 (2006.01) F16C 7/06 (2006.01)**  
[25] FR  
[54] **VARIABLE COMPRESSION RATIO ENGINE**  
[54] **MOTEUR A RAPPORT VOLUMETRIQUE VARIABLE**  
[72] DURY, PHILIPPE, FR  
[72] MIEHE, YVES, FR  
[71] MCE 5 DEVELOPMENT, FR  
[85] 2018-05-16  
[86] 2016-11-17 (PCT/FR2016/052985)  
[87] (WO2017/085410)  
[30] FR (1561059) 2015-11-17

[21] **3,005,573**  
[13] A1

[51] **Int.Cl. B23K 9/10 (2006.01) B23K 9/09 (2006.01) H02M 3/158 (2006.01) H02M 3/24 (2006.01) H02M 3/28 (2006.01) H02M 3/335 (2006.01)**  
[25] EN  
[54] **WELDING POWER SUPPLY WITH EXTENDED VOLTAGE CHARACTERISTIC**  
[54] **ALIMENTATION DE SOUDAGE AVEC CARACTERISTIQUE DE TENSION ETENDUE**  
[72] MNICH, ANDRZEJ, PL  
[71] ESAB AB, SE  
[85] 2018-05-16  
[86] 2016-12-05 (PCT/IB2016/057363)  
[87] (WO2017/103730)  
[30] IB (PCT/IB2015/059601) 2015-12-14

[21] **3,005,574**  
[13] A1

[51] **Int.Cl. B01J 29/70 (2006.01) B01D 53/94 (2006.01) B01J 21/06 (2006.01) B01J 29/72 (2006.01) F01N 3/20 (2006.01)**  
[25] EN  
[54] **EXHAUST GAS TREATMENT CATALYST**  
[54] **CATALYSEUR POUR LE TRAITEMENT DE GAZ D'ECHAPPEMENT**  
[72] MOHANAN, JAYA L., US  
[72] GRAMICCIONI, GARY A., US  
[72] HOCHMUTH, JOHN, US  
[72] VOSS, KENNETH E., US  
[71] BASF CORPORATION, US  
[85] 2018-05-16  
[86] 2016-11-16 (PCT/IB2016/056906)  
[87] (WO2017/085646)  
[30] US (62/256,258) 2015-11-17

[21] **3,005,575**  
[13] A1

[51] **Int.Cl. C23C 14/56 (2006.01) C23C 16/54 (2006.01)**  
[25] FR  
[54] **DEVICE FOR THE COATING OF ONE OR MORE WIRES USING A VAPOUR PHASE DEPOSITION METHOD**  
[54] **DISPOSITIF POUR LE REVETEMENT D'UN OU PLUSIEURS FILS PAR UN PROCEDE DE DEPOT EN PHASE VAPEUR**  
[72] BUET, EMILIE, FR  
[72] THIBAUD, SIMON, FR  
[72] DELCAMP, ADRIEN, FR  
[72] DESCAMPS, CEDRIC, FR  
[71] SAFRAN CERAMICS, FR  
[85] 2018-05-16  
[86] 2016-11-18 (PCT/FR2016/053008)  
[87] (WO2017/085420)  
[30] FR (1561150) 2015-11-19



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[21] **3,005,577**  
[13] A1

[51] **Int.Cl. E04C 2/04 (2006.01) E04B 1/04 (2006.01) E04B 1/92 (2006.01)**

[25] FR

[54] **ARCHITECTURAL ASSEMBLY FORMING A SHIELD AGAINST ELECTROMAGNETIC RADIATION**

[54] **ENSEMBLE ARCHITECTURE FORMANT UN BLINDAGE CONTRE LES RAYONNEMENTS ELECTROMAGNETIQUES**

[72] CARON-FELLENS, JEAN-PAUL, FR

[72] MARDIGUIAN, MICHEL, FR

[72] PITOUX, THIERRY, FR

[72] SOULIAC, GUILLAUME, FR

[71] EUROMC, FR

[71] SPIE BATIGNOLLES GENIE CIVIL, FR

[85] 2018-05-16

[86] 2017-02-03 (PCT/FR2017/050244)

[87] (WO2017/140966)

[30] FR (1651289) 2016-02-17

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[21] **3,005,578**  
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A24F 13/02 (2006.01)**

[25] EN

[54] **HOLDER FOR AEROSOL GENERATING ARTICLE**

[54] **SUPPORT DESTINE A UN ARTICLE DE GENERATION D'AEROSOL**

[72] BATISTA, RUI, CH

[72] ROJO-CALDERON, NOELIA, CH

[71] PHILIP MORRIS PRODUCTS S.A., CH

[85] 2018-05-16

[86] 2016-12-06 (PCT/IB2016/057391)

[87] (WO2017/115182)

[30] EP (15202954.2) 2015-12-29

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[21] **3,005,579**  
[13] A1

[51] **Int.Cl. C21D 8/12 (2006.01) C22C 38/00 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING NON-ORIENTED ELECTRICAL STEEL SHEET**

[54] **PROCEDE DE FABRICATION D'UNE TOLE D'ACIER ELECTROMAGNETIQUE A GRAINS NON ORIENTES**

[72] ZAIZEN, YOSHIKI, JP

[72] OKUBO, TOMOYUKI, JP

[72] ODA, YOSHIHIKO, JP

[71] JFE STEEL CORPORATION, JP

[85] 2018-05-16

[86] 2016-10-03 (PCT/JP2016/079252)

[87] (WO2017/086036)

[30] JP (2015-227485) 2015-11-20

[30] JP (2016-160644) 2016-08-18

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[21] **3,005,581**  
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A24F 13/02 (2006.01)**

[25] EN

[54] **HOLDER FOR AEROSOL GENERATING ARTICLE**

[54] **SUPPORT POUR ARTICLE GENERATEUR D'AEROSOL**

[72] SAYGILI, ALI MURAT, CH

[71] PHILIP MORRIS PRODUCTS S.A., CH

[85] 2018-05-16

[86] 2016-12-06 (PCT/IB2016/057393)

[87] (WO2017/115184)

[30] EP (15202956.7) 2015-12-29

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[21] **3,005,582**  
[13] A1

[51] **Int.Cl. A24F 13/02 (2006.01) A24F 13/14 (2006.01) A24F 47/00 (2006.01)**

[25] EN

[54] **END PIECE FOR AEROSOL GENERATING ARTICLE**

[54] **EMBOUT POUR ARTICLE GENERATEUR D'AEROSOL**

[72] ROJO-CALDERON, NOELIA, CH

[72] BATISTA, RUI, CH

[71] PHILIP MORRIS PRODUCTS S.A., CH

[85] 2018-05-16

[86] 2016-12-06 (PCT/IB2016/057390)

[87] (WO2017/115181)

[30] EP (15202949.2) 2015-12-29

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[21] **3,005,585**  
[13] A1

[51] **Int.Cl. A61K 8/02 (2006.01) A61Q 1/00 (2006.01)**

[25] EN

[54] **COSMETICS HAVING IMPREGNATION MEMBER WITH RECESSED PATTERN FORMED ON SURFACE THEREOF BY LASER PROCESSING**

[54] **PRODUIT COSMETIQUE COMPRENANT UN ELEMENT D'IMPREGNATION A MOTIF EVIDE FORME SUR SA SURFACE PAR TRAITEMENT LASER**

[72] KIM, JUN YOUNG, KR

[72] KIM, JU HO, KR

[71] AMOREPACIFIC CORPORATION, KR

[85] 2018-05-16

[86] 2016-11-23 (PCT/KR2016/013507)

[87] (WO2017/090962)

[30] KR (10-2015-0164374) 2015-11-24

[30] KR (10-2016-0109742) 2016-08-29

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[51] <b>Int.Cl. A01G 9/24 (2006.01) B65D 88/74 (2006.01) F16L 55/027 (2006.01) F24F 7/10 (2006.01) F24F 13/068 (2006.01) F25D 17/00 (2006.01)</b>	[51] <b>Int.Cl. B65D 19/00 (2006.01)</b>	[51] <b>Int.Cl. A24F 13/02 (2006.01) A24F 13/14 (2006.01) A24F 47/00 (2006.01)</b>
[25] EN	[25] EN	[25] EN
[54] <b>AIR HANDLING SYSTEM FOR A CLIMATE CONTROL SYSTEM IN AN DELIMITED SPACE, CLIMATE CONTROL SYSTEM FOR CLIMATE CONTROL IN AN DELIMITED SPACE, MODULAR UNIT COMPRISING A DELIMITED SPACE AND CLIMATE CONTROL SYSTEM AND AN ASSEMBLY OF MODULAR UNITS</b>	[54] <b>PALLET WITH EXTRUDED COMPOSITE SUPPORT BLOCKS AND ASSOCIATED METHODS OF MAKING THE SAME</b>	[54] <b>HOLDER FOR AEROSOL GENERATING ARTICLE</b>
[54] <b>SYSTEME DE TRAITEMENT D'AIR POUR SYSTEME DE REGULATION CLIMATIQUE DANS UN ESPACE DELIMITE, SYSTEME DE REGULATION CLIMATIQUE POUR REGULATION CLIMATIQUE DANS UN ESPACE DELIMITE, UNITE MODULAIRE COMPRENANT UN ESPACE DELIMITE ET UN SYSTEME DE REGULATION CLIMATIQUE, ET ENSEMBLE D'UNITES MODULAIRES</b>	[54] <b>PALETTE AVEC BLOCS DE SUPPORT COMPOSITES EXTRUDES ET PROCEDES ASSOCIES POUR SA FABRICATION</b>	[54] <b>SUPPORT DESTINE A ARTICLE DE GENERATION D'AEROSOL</b>
[72] VAN DER HELM, REINIERUS THEODORUS CORNELIS, NL	[72] DE BEER, SAREL JOHANNES, ZA	[72] CEPPI, FRANCOIS, CH
[72] BREUKEL, CORNELIS MARINUS GIJSBERTUS ADRIANUS MARIA, NL	[72] BRANDT, KEN, US	[72] SAYGILI, ALI MURAT, CH
[71] PRIVA B.V., NL	[72] WOOD, MATTHEW, US	[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-05-16	[71] CHEP TECHNOLOGY PTY LIMITED, AU	[85] 2018-05-16
[86] 2015-11-18 (PCT/NL2015/050806)	[85] 2018-05-16	[86] 2016-12-06 (PCT/IB2016/057394)
[87] (WO2017/086775)	[86] 2016-01-08 (PCT/US2016/012593)	[87] (WO2017/115185)
	[87] (WO2017/119897)	[30] EP (15202961.7) 2015-12-29
	[30] US (14/989,011) 2016-01-06	
	[21] <b>3,005,589</b> [13] A1	[21] <b>3,005,592</b> [13] A1
	[51] <b>Int.Cl. A63F 1/06 (2006.01) A44C 21/00 (2006.01) A63F 3/00 (2006.01) G07F 17/32 (2006.01)</b>	[51] <b>Int.Cl. C07K 16/18 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01) C12P 21/08 (2006.01)</b>
	[25] EN	[25] EN
	[54] <b>TABLE GAME MANAGEMENT SYSTEM, GAME TOKEN, AND INSPECTION APPARATUS</b>	[54] <b>ANTI-C5 ANTIBODIES AND METHODS OF USE</b>
	[54] <b>SYSTEME DE GESTION DE JEU DE TABLE, MONNAIE DE SUBSTITUTION POUR JEU, ET DISPOSITIF D'INSPECTION</b>	[54] <b>ANTICORPS ANTI-C5 ET LEURS PROCEDES D'UTILISATION</b>
	[72] SHIGETA, YASUSHI, JP	[72] SAMPEI, ZENJIRO, SG
	[71] ANGEL PLAYING CARDS CO., LTD., JP	[71] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
	[85] 2018-05-16	[85] 2018-05-16
	[86] 2016-11-17 (PCT/JP2016/084179)	[86] 2016-12-16 (PCT/JP2016/087481)
	[87] (WO2017/086412)	[87] (WO2017/104779)
	[30] JP (2015-240631) 2015-11-19	[30] JP (2015-247069) 2015-12-18

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[21] **3,005,594**  
[13] A1

[51] **Int.Cl. B62D 35/02 (2006.01)**  
[25] EN  
[54] **WING FOR VEHICLES, PROCESS FOR ITS CONTROL AND MOTOR VEHICLE COMPRISING THIS WING**  
[54] **AILE POUR VEHICULES, SON PROCEDE DE COMMANDE ET VEHICULE AUTOMOBILE COMPRENANT CETTE AILE**  
[72] TORLUCCIO, ANTONIO, IT  
[72] DINI, EMILIANO, IT  
[72] AGUGGIARO, ANDREA, IT  
[72] PARISI, RICCARDO, IT  
[71] AUTOMOBILI LAMBORGHINI S.P.A., IT  
[85] 2018-05-16  
[86] 2016-12-16 (PCT/IB2016/057705)  
[87] (WO2017/103870)  
[30] IT (102015000084040) 2015-12-16

[21] **3,005,596**  
[13] A1

[51] **Int.Cl. E21B 29/00 (2006.01) E21B 17/00 (2006.01) E21B 29/06 (2006.01)**  
[25] EN  
[54] **WATERMELON MILL WITH REPLACEABLE CUTTING STRUCTURE**  
[54] **FRAISE DE TYPE WATERMELON A STRUCTURE DE COUPE REMPLACABLE**  
[72] HEM, GREGORY L., US  
[72] HEM, CHRISTOPHER R., US  
[71] BAKER HUGHES, A GE COMPANY, LLC, US  
[85] 2018-05-16  
[86] 2016-10-14 (PCT/US2016/057054)  
[87] (WO2017/087102)  
[30] US (14/944,995) 2015-11-18

[21] **3,005,597**  
[13] A1

[51] **Int.Cl. A01N 37/00 (2006.01) A01N 25/10 (2006.01)**  
[25] EN  
[54] **SURFACE DISINFECTANT WITH RESIDUAL BIOCIDAL PROPERTY**  
[54] **DESINFECTANT DE SURFACE AYANT UNE PROPRIETE BIOCIDALE RESIDUELLE**  
[72] LAN, TIAN, US  
[72] HANNA, SAMUEL JAMES, US  
[72] SLOAN, GINA PARISE, US  
[72] AYLWARD, BRIAN PATRICK, US  
[72] WELCH, KAREN TERRY, US  
[72] SHIREMAN, DENNIS EARL, US  
[72] KAVCHOK, KEVIN ANDREW, US  
[72] HAWES, CHARLES L., US  
[71] MICROBAN PRODUCTS COMPANY, US  
[71] W.M. BARR & COMPANY, INC., US  
[85] 2018-05-16  
[86] 2016-05-24 (PCT/US2016/033889)  
[87] (WO2017/091250)  
[30] US (14/948,962) 2015-11-23  
[30] US (15/162,068) 2016-05-23

[21] **3,005,599**  
[13] A1

[51] **Int.Cl. F16K 1/226 (2006.01) F16K 1/18 (2006.01) F16K 1/20 (2006.01) F16K 1/22 (2006.01) F16K 1/228 (2006.01) F16K 27/02 (2006.01)**  
[25] EN  
[54] **SPRUNG SEAL RETAINER**  
[54] **DISPOSITIF DE RETENUE DE JOINT D'ETANCHEITE A RESSORT**  
[72] PARK, YANG BAE, US  
[72] TRAPANI, MICHAEL, US  
[72] ZSILAVETZ, LOUIS, US  
[72] NIEBELL, DOUGLAS P., US  
[71] VICTAULIC COMPANY, US  
[85] 2018-05-16  
[86] 2016-11-17 (PCT/US2016/062494)  
[87] (WO2017/091439)  
[30] US (62/258,797) 2015-11-23

[21] **3,005,600**  
[13] A1

[51] **Int.Cl. G06F 19/10 (2011.01) G06F 19/16 (2011.01) G06F 19/26 (2011.01) G06F 19/28 (2011.01) C12Q 1/68 (2018.01)**  
[25] EN  
[54] **METHOD FOR CALIBRATING A DATA SET OF A TARGET ANALYTE**  
[54] **PROCEDE POUR ETALONNER UN ENSEMBLE DE DONNEES D'UN ANALYTE CIBLE**  
[72] CHUN, JONG YOON, KR  
[72] LEE, YOUNG JO, KR  
[72] LEE, HAN BIT, KR  
[71] SEEGENE, INC., KR  
[85] 2018-05-16  
[86] 2016-11-21 (PCT/KR2016/013423)  
[87] (WO2017/086762)  
[30] KR (10-2015-0163173) 2015-11-20  
[30] KR (10-2016-0100343) 2016-08-05

[21] **3,005,601**  
[13] A1

[51] **Int.Cl. A01N 37/20 (2006.01) A01N 25/10 (2006.01)**  
[25] EN  
[54] **SURFACE DISINFECTANT WITH RESIDUAL BIOCIDAL PROPERTY**  
[54] **DESINFECTANT DE SURFACE AYANT UNE PROPRIETE BIOCIDALE RESIDUELLE**  
[72] LAN, TIAN, US  
[72] HANNA, SAMUEL JAMES, US  
[72] SLOAN, GINA PARISE, US  
[72] AYLWARD, BRIAN PATRICK, US  
[72] WELCH, KAREN TERRY, US  
[72] SHIREMAN, DENNIS EARL, US  
[72] KAVCHOK, KEVIN ANDREW, US  
[72] HAWES, CHARLES L., US  
[71] W.M. BARR & COMPANY, INC., US  
[71] MICROBAN PRODUCTS COMPANY, US  
[85] 2018-05-16  
[86] 2016-05-24 (PCT/US2016/033891)  
[87] (WO2017/091251)  
[30] US (14/949,046) 2015-11-23  
[30] US (15/162,094) 2016-05-23

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[13] A1

[51] **Int.Cl. G01C 3/08 (2006.01) G01S 17/02 (2006.01) G01S 17/66 (2006.01)**

[25] EN

[54] **ESTIMATION OF MOTION IN SIX DEGREES OF FREEDOM (6DOF) USING LIDAR**

[54] **ESTIMATION DE DEPLACEMENT DANS SIX DEGRES DE LIBERTE (6DOF) PAR LIDAR**

[72] BELSLEY, KENDALL, US  
[72] SEBASTIAN, RICHARD, US  
[71] DSCG SOLUTIONS, INC., US  
[85] 2018-05-16  
[86] 2016-11-18 (PCT/US2016/062732)  
[87] (WO2017/087779)  
[30] US (62/257,523) 2015-11-19  
[30] US (15/354,327) 2016-11-17

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[21] **3,005,604**  
[13] A1

[51] **Int.Cl. A61L 15/32 (2006.01) A61L 15/42 (2006.01)**

[25] EN

[54] **METHODS TO PRODUCE PERFORATED COLLAGEN COATED SURGICAL MESHES**

[54] **PROCEDES DE PRODUCTION DE FILETS CHIRURGICAUX ENDUITS DE COLLAGENE PERFORES**

[72] LIMEM, SKANDER, US  
[72] SHAH, BHAVIN, US  
[72] RIZK, SAID, US  
[71] TEPHA, INC., US  
[85] 2018-05-16  
[86] 2016-11-17 (PCT/US2016/062538)  
[87] (WO2017/087676)  
[30] US (62/257,372) 2015-11-19

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[21] **3,005,605**  
[13] A1

[51] **Int.Cl. C12N 15/10 (2006.01) A61K 8/60 (2006.01) A61K 8/97 (2017.01) C07H 1/08 (2006.01) C07H 21/02 (2006.01)**

[25] EN

[54] **TOPICAL COMPOSITION COMPRISING A SMALL RNA TIGER LILY EXTRACT AND METHOD OF COSMETIC CARE TO REDUCE SKIN SIGNS OF AGING**

[54] **COMPOSITION TOPIQUE COMPRENANT UN EXTRAIT DE LYS TIGRE A PETITS ARN ET PROCEDE DE SOIN COSMETIQUE POUR REDUIRE LES SIGNES CUTANES DU VIEILLISSEMENT**

[72] OGER, ELODIE, FR  
[72] CHABERT, RACHEL, FR  
[72] IMBERT, ISABELLE, FR  
[72] BOTTO, JEAN-MARIE, FR  
[72] DOMLOGE, NOUHA, FR  
[72] PERNODET, NADINE, US  
[72] DONG, KELLY, US  
[72] MANTELIN, JOEL, FR  
[72] CHEN, CHIA-WEN, US  
[71] ISP INVESTMENTS LLC, US  
[71] ELC MANAGEMENT LLC, US  
[85] 2018-05-16  
[86] 2016-11-10 (PCT/US2016/061302)  
[87] (WO2017/087245)  
[30] FR (1502361) 2015-11-17

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[21] **3,005,606**  
[13] A1

[51] **Int.Cl. A23L 2/38 (2006.01) A23L 2/385 (2006.01) A23L 2/52 (2006.01) A23L 2/56 (2006.01) A23L 2/62 (2006.01) B01F 3/08 (2006.01)**

[25] EN

[54] **BEVERAGE NANOEMULSIONS PRODUCED BY HIGH SHEAR PROCESSING**

[54] **NANOEMULSIONS DE BOISSON PRODUITES PAR TRAITEMENT A CISAILLEMENT ELEVE**

[72] AHTCHI-ALI, BADREDDINE, US  
[71] PEPSICO, INC., US  
[85] 2018-05-16  
[86] 2016-11-18 (PCT/US2016/062768)  
[87] (WO2017/091462)  
[30] US (14/952,159) 2015-11-25

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[21] **3,005,607**  
[13] A1

[51] **Int.Cl. B32B 25/10 (2006.01) A47L 13/16 (2006.01) B08B 1/00 (2006.01) B32B 5/02 (2006.01) B32B 5/26 (2006.01) B32B 7/04 (2006.01) B32B 27/12 (2006.01)**

[25] EN

[54] **OIL ABSORBENT WIPING PRODUCT**

[54] **PRODUIT D'ESSUYAGE ABSORBANT L'HUILE**

[72] CHANG, YU-WEN, US  
[72] MACDONALD, JOHN GAVIN, US  
[72] KAUL, VIKRAM S., US  
[72] DOHERTY, JENNIFER L., US  
[72] MORGAN, JAMES R., US  
[72] YANG, KAIYUAN, US  
[72] VAUGHAN, MICHAEL R., US  
[71] KIMBERLY-CLARK WORLDWIDE, INC., US  
[85] 2018-05-16  
[86] 2016-07-29 (PCT/US2016/044746)  
[87] (WO2017/095483)  
[30] US (62/261,652) 2015-12-01  
[30] US (62/315,714) 2016-03-31

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[21] **3,005,609**  
[13] A1

[51] **Int.Cl. A61M 16/04 (2006.01) A61M 1/00 (2006.01) A61M 16/08 (2006.01) A61M 16/20 (2006.01) A61M 25/01 (2006.01) F16K 15/00 (2006.01) A61M 39/10 (2006.01) A61M 39/24 (2006.01)**

[25] EN

[54] **SUCTION CATHETER ADAPTOR**

[54] **ADAPTATEUR DE CATHETER D'ASPIRATION**

[72] WHITE, DENNIS, US  
[72] FU, HAOJUN, US  
[71] VYAIR MEDICAL CONSUMABLES LLC, US  
[85] 2018-05-16  
[86] 2016-11-17 (PCT/US2016/062553)  
[87] (WO2017/087686)  
[30] US (62/257,630) 2015-11-19

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[21] **3,005,610**  
[13] A1

[51] **Int.Cl. C05C 9/02 (2006.01) C05C 9/00 (2006.01) C05G 3/08 (2006.01)**

[25] EN

[54] **COMPOSITION CONTAINING N-(N-BUTYL) THIOPHOSPHORIC TRIAMIDE ADDUCTS AND REACTION PRODUCTS**

[54] **COMPOSITION CONTENANT DES PRODUITS D'ADDITION DE TRIAMIDE N-(N-BUTYL)-THIOPHOSPHORIQUE ET DES PRODUITS DE REACTION**

[72] BARR, DOUGLAS, US

[72] ETHEL, GARNIER, US

[72] OWUSU-ADOM, KWAME, US

[71] KOCH AGRONOMIC SERVICES, LLC, US

[85] 2018-05-16

[86] 2016-11-11 (PCT/US2016/061620)

[87] (WO2017/083714)

[30] US (62/255,565) 2015-11-11

[21] **3,005,612**  
[13] A1

[51] **Int.Cl. F16K 27/02 (2006.01) F16K 27/00 (2006.01) F16L 3/10 (2006.01) F16L 17/04 (2006.01) F16L 41/06 (2006.01)**

[25] EN

[54] **VALVE COUPLING HAVING CENTERING SUPPORT PROJECTIONS**

[54] **ACCOUPLLEMENT DE SOUPAPE POURVU DE SAILLIES DE SUPPORT DE CENTRAGE**

[72] PARK, YANG BAE, US

[71] VICTAULIC COMPANY, US

[85] 2018-05-16

[86] 2016-11-18 (PCT/US2016/062785)

[87] (WO2017/091464)

[30] US (62/258,797) 2015-11-23

[21] **3,005,613**  
[13] A1

[51] **Int.Cl. B01D 53/14 (2006.01) B01D 53/62 (2006.01) C10G 2/00 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR REDUCING CO2 EMISSIONS FROM INDUSTRIAL PROCESSES**

[54] **PROCEDE ET SYSTEME DE REDUCTION DES EMISSIONS DE CO2 PROVENANT DE PROCESSUS INDUSTRIELS**

[72] DAVIDIAN, THOMAS, NL

[72] CORTHALS, STEVEN, NL

[72] BIESHEUVEL, CORNELIS, NL

[72] RUITENBEEK, MATTHIJS, NL

[72] MALEK, ANDRZEJ M., US

[72] GROENENDIJK, PETER E., NL

[72] MEIMA, GARMT R., NL

[71] DOW GLOBAL TECHNOLOGIES LLC, US

[85] 2018-05-16

[86] 2016-11-14 (PCT/US2016/061794)

[87] (WO2017/087307)

[30] US (62/256,459) 2015-11-17

[21] **3,005,614**  
[13] A1

[51] **Int.Cl. A61K 31/4409 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 31/122 (2006.01) A61K 31/166 (2006.01) A61K 31/426 (2006.01)**

[25] EN

[54] **AMINONAPHTHOQUINONE COMPOUNDS FOR TREATMENT AND/OR PREVENTION OF FIBROSIS DISEASES**

[54] **COMPOSES D'AMINONAPHTHOQUINONE POUR LE TRAITEMENT ET/OU LA PREVENTION DE MALADIES DE FIBROSE**

[72] YEN, YUN, US

[72] LIOU, JING-PING, TW

[72] LIN, CHIEN HUANG, TW

[71] TAIPEI MEDICAL UNIVERSITY, TW

[85] 2018-05-16

[86] 2016-11-17 (PCT/US2016/062568)

[87] (WO2017/087695)

[30] US (62/256,516) 2015-11-17

[21] **3,005,615**  
[13] A1

[51] **Int.Cl. A61K 9/19 (2006.01) A61K 35/14 (2015.01) A61P 35/00 (2006.01)**

[25] EN

[54] **PRODUCTS AND METHODS USING A PLATELET-DERIVED HEMOSTATIC AGENT FOR CONTROLLING BLEEDING AND IMPROVING HEALING**

[54] **PRODUITS ET METHODES D'UTILISATION D'UN AGENT HEMOSTATIQUE DERIVE DES PLAQUETTES POUR LA REGULATION DU SAIGNEMENT ET L'AMELIORATION DE LA CICATRISATION**

[72] WILLARD, STEPHEN H., US

[71] CELLPHIRE, INC., US

[85] 2018-05-16

[86] 2016-08-26 (PCT/US2016/048846)

[87] (WO2017/040238)

[30] US (62/211,203) 2015-08-28

[21] **3,005,616**  
[13] A1

[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01)**

[25] EN

[54] **DEVICES FOR ANCHORING TISSUE**

[54] **DISPOSITIFS D'ANCRAGE DE TISSU**

[72] TRIPLETT, DANIEL J., US

[72] FALLIN, T. WADE, US

[71] FIRST RAY, LLC, US

[85] 2018-05-16

[86] 2016-11-21 (PCT/US2016/063063)

[87] (WO2017/095681)

[30] US (62/263,250) 2015-12-04

[21] **3,005,617**  
[13] A1

[51] **Int.Cl. E02F 7/04 (2006.01) E02F 7/06 (2006.01)**

[25] EN

[54] **PANFLUTE OVERFLOW SYSTEM**

[54] **SYSTEME DE TROP-PLEIN EN FORME DE FLUTE DE PAN**

[72] BEIJ, WOUTER, NL

[72] VAN SPAENDONK, BRAM ADRIANUS WALTHERUS, NL

[71] IHC HOLLAND IE B.V., NL

[85] 2018-05-16

[86] 2016-11-23 (PCT/NL2016/050821)

[87] (WO2017/099583)

[30] NL (2015858) 2015-11-26

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[13] A1

[51] **Int.Cl. G06Q 50/12 (2012.01) G06F 3/048 (2013.01) G06F 9/44 (2018.01)**

[25] EN

[54] **DATA AGGREGATION AND PERSONALIZATION FOR REMOTELY CONTROLLED COOKING DEVICES**

[54] **AGREGATION ET PERSONNALISATION DE DONNEES POUR DISPOSITIFS DE CUISSON TELECOMMANDES**

[72] YOUNG, CHRISTOPHER CHARLES, US

[72] BALDWIN, DOUGLAS EUGENE, US

[72] NATKIN, MICHAEL, US

[72] SALAZAR, NELSON TIMOTHY, US

[71] CHEFSTEPS, INC., US

[85] 2018-05-16

[86] 2016-11-14 (PCT/US2016/061886)

[87] (WO2017/087329)

[30] US (62/255,622) 2015-11-16

[21] **3,005,619**  
[13] A1

[51] **Int.Cl. A61K 8/11 (2006.01) A61K 8/41 (2006.01) A61K 8/72 (2006.01) A61K 8/81 (2006.01) A61K 8/89 (2006.01) A61Q 1/10 (2006.01)**

[25] EN

[54] **MASCARA COMPOSITION AND METHOD**

[54] **COMPOSITION DE MASCARA ET PROCEDE ASSOCIE**

[72] LEE, WILSON A., US

[71] ELC MANAGEMENT LLC, US

[85] 2018-05-16

[86] 2016-11-17 (PCT/US2016/062600)

[87] (WO2017/087714)

[30] US (62/256,276) 2015-11-17

[21] **3,005,620**  
[13] A1

[51] **Int.Cl. C02F 1/32 (2006.01) A61L 2/10 (2006.01) B01J 19/08 (2006.01)**

[25] EN

[54] **LIQUID TREATMENT METHOD AND APPARATUS**

[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE LIQUIDE**

[72] SHILTON, ANDREW NICHOLAS, NZ

[71] MASSEY UNIVERSITY, NZ

[85] 2018-05-16

[86] 2016-12-12 (PCT/NZ2016/050196)

[87] (WO2017/111616)

[30] NZ (715527) 2015-12-23

[30] NZ (719796) 2016-05-05

[21] **3,005,621**  
[13] A1

[51] **Int.Cl. C02F 1/24 (2006.01) C02F 1/52 (2006.01) C02F 1/56 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR THE REMOVAL OF SULFATES AND METALS FROM WASTE WATER**

[54] **COMPOSITIONS ET PROCEDES POUR L'ELIMINATION DE SULFATES ET METAUX D'EAUX USEES**

[72] MADDURI, ASHOKA V.R., US

[72] GARDNER, CHRISTOPHER P., US

[72] BLACKMON, MATTHEW B., US

[72] RODENCAL, CURTIS J., US

[72] MILLIRON, CHARLES E., III, US

[72] VHORA, SAMEER S., US

[72] LANDIS, CHARLES R., US

[72] GANDHI, SANKET, US

[71] HPPE, LLC, US

[85] 2018-05-16

[86] 2016-12-09 (PCT/US2016/065794)

[87] (WO2017/100549)

[30] US (62/265,258) 2015-12-09

[30] US (62/265,264) 2015-12-09

[21] **3,005,622**  
[13] A1

[51] **Int.Cl. A61K 8/11 (2006.01) A61K 8/41 (2006.01) A61K 8/72 (2006.01) A61K 8/81 (2006.01) A61K 8/89 (2006.01) A61Q 1/10 (2006.01)**

[25] EN

[54] **MASCARA COMPOSITION AND METHOD**

[54] **COMPOSITION DE MASCARA ET PROCEDE ASSOCIE**

[72] LEE, WILSON A., US

[71] ELC MANAGEMENT LLC, US

[85] 2018-05-16

[86] 2016-11-17 (PCT/US2016/062605)

[87] (WO2017/087718)

[30] US (62/256,283) 2015-11-17

[21] **3,005,623**  
[13] A1

[51] **Int.Cl. G01N 27/30 (2006.01) C04B 35/10 (2006.01) C04B 35/48 (2006.01) G01N 27/403 (2006.01) H01M 10/39 (2006.01)**

[25] EN

[54] **A REFERENCE ELECTRODE FOR ELECTROCHEMICAL MEASUREMENTS AT HIGH TEMPERATURES**

[54] **ELECTRODE DE REFERENCE POUR MESURES ELECTROCHIMIQUES A HAUTES TEMPERATURES**

[72] GERVASIO, DOMINIC, US

[72] ELSENTRIECY, HASSAN, US

[72] PUGAZHENDHI, PERUMAL, US

[71] ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, US

[85] 2018-05-16

[86] 2016-11-21 (PCT/US2016/063169)

[87] (WO2017/091517)

[30] US (62/258,853) 2015-11-23

[21] **3,005,624**  
[13] A1

[51] **Int.Cl. H01H 1/22 (2006.01) H01H 1/58 (2006.01)**

[25] EN

[54] **ELECTRICAL SWITCHING APPARATUS AND CLINCH JOINT ASSEMBLY THEREFOR**

[54] **APPAREIL DE COMMUTATION ELECTRIQUE ET SON ASSEMBLAGE PAR JOINT A RIVER**

[72] WEISTER, NATHAN J., US

[72] RAKUS, PAUL R., US

[72] PRINCE, EDWARD A., US

[72] POLLITT, WILLIAM C., US

[71] EATON INTELLIGENT POWER LIMITED, IE

[85] 2018-05-16

[86] 2016-10-07 (PCT/US2016/055879)

[87] (WO2017/087086)

[30] US (14/943,228) 2015-11-17

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[21] **3,005,625**  
[13] A1

[51] **Int.Cl. H01R 13/633 (2006.01) H01H 85/02 (2006.01)**  
[25] EN  
[54] **ELECTRICAL MODULE**  
[54] **MODULE ELECTRIQUE**  
[72] LYON, ZACHARY WOOD, US  
[72] WOJTACKI, THOMAS, US  
[72] PATTERSON, JEREMY CHRISTIAN, US  
[71] TE CONNECTIVITY CORPORATION, US  
[85] 2018-05-16  
[86] 2016-11-21 (PCT/US2016/063003)  
[87] (WO2017/091485)  
[30] US (14/949,330) 2015-11-23

[21] **3,005,626**  
[13] A1

[51] **Int.Cl. F24D 15/04 (2006.01) F24D 19/10 (2006.01) F25B 27/00 (2006.01) F25B 30/02 (2006.01) F25B 49/02 (2006.01)**  
[25] EN  
[54] **METHODS AND SYSTEMS FOR HEAT PUMPING**  
[54] **METHODES ET SYSTEMES DE POMPAGE DE CHALEUR**  
[72] CALLEMO, DAVID, SE  
[72] THORBURN, JAN, SE  
[71] SENS GEOENERGY STORAGE AB, SE  
[85] 2018-05-16  
[86] 2016-11-17 (PCT/SE2016/051141)  
[87] (WO2017/086869)  
[30] SE (1551509-1) 2015-11-20

[21] **3,005,627**  
[13] A1

[51] **Int.Cl. A61K 8/89 (2006.01) A61K 8/11 (2006.01) A61K 8/81 (2006.01) A61K 38/37 (2006.01) A61Q 1/10 (2006.01)**  
[25] EN  
[54] **MASCARA COMPOSITION AND METHOD**  
[54] **COMPOSITION DE MASCARA ET PROCEDE ASSOCIE**  
[72] LEE, WILSON A., US  
[71] ELC MANAGEMENT LLC, US  
[85] 2018-05-16  
[86] 2016-11-17 (PCT/US2016/062609)  
[87] (WO2017/087720)  
[30] US (62/256,292) 2015-11-17

[21] **3,005,628**  
[13] A1

[51] **Int.Cl. H01M 8/06 (2016.01) H01M 8/0612 (2016.01) H01M 8/0668 (2016.01)**  
[25] EN  
[54] **FUEL CELL SYSTEM HAVING ENHANCED CO2 CAPTURE**  
[54] **SYSTEME DE PILE A COMBUSTIBLE A CAPTURE DE CO2 AMELIOREE**  
[72] JAHNKE, FRED C., US  
[72] LAMBRECH, MATTHEW, US  
[71] FUELCELL ENERGY, INC., US  
[85] 2018-05-16  
[86] 2016-11-15 (PCT/US2016/061981)  
[87] (WO2017/087360)  
[30] US (62/256,484) 2015-11-17

[21] **3,005,629**  
[13] A1

[51] **Int.Cl. A61F 13/515 (2006.01) A61F 13/49 (2006.01) A61F 13/539 (2006.01) A61F 13/56 (2006.01) A61F 13/64 (2006.01) C09J 7/00 (2018.01) C09J 109/00 (2006.01) C09J 123/00 (2006.01)**  
[25] EN  
[54] **BELTED STRUCTURE WITH TACKIFIER-FREE ADHESIVE**  
[54] **STRUCTURE DE CEINTURE A ADHESIF EXEMPT D'AGENT COLLANT**  
[72] TURNER, ROBERT HAINES, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2018-05-16  
[86] 2016-12-13 (PCT/US2016/066304)  
[87] (WO2017/106153)  
[30] US (62/267,548) 2015-12-15

[21] **3,005,630**  
[13] A1

[51] **Int.Cl. B67D 1/00 (2006.01) B67D 1/07 (2006.01) B67D 1/08 (2006.01) B67D 1/10 (2006.01)**  
[25] EN  
[54] **MICRO-INGREDIENT BASED BEVERAGE DISPENSER**  
[54] **DISTRIBUTEUR DE BOISSON A BASE DE MICRO-INGREDIENT**  
[72] ZIESEL, LAWRENCE B., US  
[71] THE COCA-COLA COMPANY, US  
[85] 2018-05-16  
[86] 2016-11-15 (PCT/US2016/062030)  
[87] (WO2017/087383)  
[30] US (62/256,271) 2015-11-17

[21] **3,005,631**  
[13] A1

[51] **Int.Cl. G06F 3/14 (2006.01)**  
[25] EN  
[54] **SECONDARY COMPUTING DEVICE ASSISTANT**  
[54] **ASSISTANT DE DISPOSITIF INFORMATIQUE SECONDAIRE**  
[72] ZHA, TIAN TIAN, US  
[72] KUSCHER, ALEXANDER FRIEDRICH, US  
[72] CHEN, JENNIFER SHIEN-MING, US  
[72] BALASUBRAMANIAN, SANTHOSH, US  
[71] GOOGLE LLC, US  
[85] 2018-05-16  
[86] 2016-12-19 (PCT/US2016/067542)  
[87] (WO2017/171948)  
[30] US (15/085,940) 2016-03-30

[21] **3,005,632**  
[13] A1

[51] **Int.Cl. A01K 45/00 (2006.01)**  
[25] EN  
[54] **PHOTON MODULATION MANAGEMENT SYSTEM FOR STIMULATION OF A DESIRED RESPONSE IN BIRDS**  
[54] **SYSTEME DE GESTION DE MODULATION DE PHOTONS POUR LA STIMULATION DE REPOSE SOUHAITEE CHEZ DES OISEAUX**  
[72] SUNTYCH, JON DAREN, US  
[71] XIANT TECHNOLOGIES, INC., US  
[85] 2018-05-16  
[86] 2016-09-28 (PCT/US2016/054197)  
[87] (WO2017/087077)  
[30] US (14/943,135) 2015-11-17

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[21] **3,005,633**  
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 38/46 (2006.01) A61K 48/00 (2006.01)**

[25] EN

[54] **MATERIALS AND METHODS FOR TREATMENT OF TITIN-BASED MYOPATHIES AND OTHER TITINOPATHIES**

[54] **SUBSTANCES ET PROCEDES DE TRAITEMENT DE MYOPATHIES A BASE DE TITINE ET D'AUTRES TITINOPATHIES**

[72] RODINO-KALAPAC, LOUISE, US

[72] POTTER, RACHAEL, US

[71] RESEARCH INSTITUTE OF NATIONWIDE CHILDREN'S HOSPITAL, US

[85] 2018-05-16

[86] 2016-11-15 (PCT/US2016/062052)

[87] (WO2017/087395)

[30] US (62/255,887) 2015-11-16

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[21] **3,005,634**  
[13] A1

[51] **Int.Cl. C02F 9/08 (2006.01) C02F 1/36 (2006.01) C02F 1/66 (2006.01) C02F 1/78 (2006.01) C02F 9/04 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR TREATMENT OF SPENT CAUSTIC WASTEWATER**

[54] **SYSTEME ET PROCEDE POUR LE TRAITEMENT D'EAUX USEES CAUSTIQUES**

[72] MILOSEVIC, VESELIN, CA

[72] KOSANIC, DRAGO, CA

[72] PALACIO, FERNANDO NARANJO, CA

[71] ENVIROSYSTEMS INC., CA

[85] 2018-05-17

[86] 2015-11-19 (PCT/CA2015/051205)

[87] (WO2017/083951)

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[21] **3,005,635**  
[13] A1

[51] **Int.Cl. H04L 29/08 (2006.01) G06F 17/30 (2006.01) H04W 4/08 (2009.01) H04L 12/28 (2006.01)**

[25] EN

[54] **SHARING PROTECTED USER CONTENT BETWEEN DEVICES**

[54] **PARTAGE DE CONTENU D'UTILISATEUR PROTEGE ENTRE DISPOSITIFS**

[72] ROBERTS-HOFFMAN, KATIE LEAH, US

[72] MARTIN PEREZ, ALBERTO, US

[71] GOOGLE LLC, US

[85] 2018-05-16

[86] 2016-12-22 (PCT/US2016/068261)

[87] (WO2017/151212)

[30] US (15/059,250) 2016-03-02

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[21] **3,005,636**  
[13] A1

[51] **Int.Cl. B60C 7/08 (2006.01) B60C 7/26 (2006.01)**

[25] EN

[54] **TIRES WITH SEGMENTED TIRE BODIES, EMBEDDED MOUNTING ELEMENTS AND PARTIALLY EMBEDDED CLEATS**

[54] **PNEUS A CORPS DE PNEU SEGMENTES, ELEMENTS DE MONTAGE INTEGRES ET CRAMPONS PARTIELLEMENT INTEGRES**

[72] HIRD, DEREK, CA

[72] VECHINA, JOSE M., CA

[72] BITTNER, ERIC E., CA

[71] 1434822 ALBERTA LTD., CA

[85] 2018-05-17

[86] 2016-11-07 (PCT/CA2016/051292)

[87] (WO2017/083960)

[30] US (62/256,370) 2015-11-17

[30] US (62/277,215) 2016-01-11

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[21] **3,005,637**  
[13] A1

[51] **Int.Cl. H01M 4/131 (2010.01) H01M 4/62 (2006.01) H01M 10/04 (2006.01) B82Y 30/00 (2011.01)**

[25] EN

[54] **SYNTHESIZED, SURFACE-FUNCTIONALIZED, ACIDIFIED METAL OXIDE MATERIALS FORENERGY STORAGE, CATALYTIC, PHOTOVOLTAIC, AND SENSOR APPLICATIONS**

[54] **MATERIAUX OXYDES METALLIQUES ACIDIFIES FONCTIONNALISES EN SURFACE SYNTHETISES POUR APPLICATIONS EN STOCKAGE D'ENERGIE, EN CATALYSE, EN PHOTOVOLTAIQUE ET AUX CAPTEURS**

[72] JOHNSON, PAIGE L., US

[72] NEFF, JONATHAN G., US

[71] HHELI, LLC, US

[85] 2018-05-16

[86] 2016-11-15 (PCT/US2016/062068)

[87] (WO2017/087404)

[30] US (62/256,065) 2015-11-16

[30] US (62/256,059) 2015-11-16

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[21] **3,005,638**  
[13] A1

[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01) A61B 17/062 (2006.01)**

[25] EN

[54] **MEDICAL INSTRUMENT**

[54] **INSTRUMENT MEDICAL**

[72] KLAFFENBOCK, JOHANN, AT

[72] KLAFFENBOCK, LUKAS, AT

[72] MAIR, JULIAN, DE

[71] KLAFFENBOCK, JOHANN, AT

[71] KLAFFENBOCK, LUKAS, AT

[71] MAIR, JULIAN, DE

[85] 2018-05-17

[86] 2016-11-17 (PCT/AT2016/060111)

[87] (WO2017/083897)

[30] AT (A 50991/2015) 2015-11-20



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[21] **3,005,639**  
[13] A1

[51] **Int.Cl. B01J 19/00 (2006.01) H01M 8/04298 (2016.01) H01M 8/0612 (2016.01) C01B 3/02 (2006.01) C25B 15/08 (2006.01) H01M 8/02 (2016.01) H01M 8/24 (2016.01)**

[25] EN  
[54] **ENERGY STORAGE USING AN REP WITH AN ENGINE**  
[54] **STOCKAGE D'ENERGIE UTILISANT UN REP (REFORMEUR-ELECTROLYSEUR-PURIFICATEUR) POURVU D'UN MOTEUR**

[72] JAHNKE, FRED C., US  
[72] LAMBRECH, MATTHEW, US  
[71] FUELCELL ENERGY, INC., US  
[85] 2018-05-16  
[86] 2016-11-15 (PCT/US2016/062083)  
[87] (WO2017/087413)  
[30] US (62/255,868) 2015-11-16

[21] **3,005,641**  
[13] A1

[51] **Int.Cl. H04L 12/803 (2013.01) H04L 29/14 (2006.01)**

[25] EN  
[54] **SYSTEM, APPARATUS AND METHOD FOR PROVIDING A VIRTUAL NETWORK EDGE AND OVERLAY WITH VIRTUAL CONTROL PLANE**  
[54] **SYSTEME, APPAREIL, ET PROCEDE POUR LA FOURNITURE D'UN BORD ET D'UNE SUPERPOSITION DE RESEAU VIRTUEL AVEC PLAN DE COMMANDE VIRTUEL**

[72] SAAVEDRA, PATRICIO HUMBERTO, CA  
[71] TELOIP INC., CA  
[85] 2018-05-17  
[86] 2016-11-17 (PCT/CA2016/051343)  
[87] (WO2017/083975)  
[30] US (14/945,862) 2015-11-19

[21] **3,005,643**  
[13] A1

[51] **Int.Cl. H01M 4/38 (2006.01) H01M 4/60 (2006.01) H01M 8/18 (2006.01)**

[25] EN  
[54] **HYBRID FLOW BATTERY FOR STORING ELECTRICAL ENERGY AND USE THEREOF**  
[54] **BATTERIE A FLUX HYBRIDE POUR STOCKER DE L'ENERGIE ELECTRIQUE ET SON UTILISATION**

[72] HAGER, MARTIN, DE  
[72] JANOSCHKA, TOBIAS, DE  
[72] SCHUBERT, ULRICH SIGMAR, DE  
[72] HAUPLER, BERNHARD, DE  
[71] FRIEDRICH-SCHILLER-UNIVERSITAT JENA, DE  
[85] 2018-05-17  
[86] 2016-11-14 (PCT/EP2016/001900)  
[87] (WO2017/084749)  
[30] DE (10 2015 014 828.1) 2015-11-18

[21] **3,005,640**  
[13] A1

[51] **Int.Cl. E04B 7/22 (2006.01)**

[25] EN  
[54] **PRECAST INSULATED LOAD BEARING ROOF ELEMENT AND METHODS OF MANUFACTURING A ROOF ELEMENT**  
[54] **ELEMENT DE TOIT PORTEUR ISOLE PREFABRIQUE ET PROCEDES DE FABRICATION D'ELEMENT DE TOIT**

[72] DUFFUS, DAVID JOHN, DK  
[71] THEDUFFUS V/DAVID JOHN DUFFUS, DK  
[85] 2018-05-17  
[86] 2015-11-18 (PCT/EP2015/077027)  
[87] (WO2016/079212)  
[30] EP (14193680.7) 2014-11-18  
[30] DK (PA 2015 00361) 2015-06-22

[21] **3,005,642**  
[13] A1

[51] **Int.Cl. B02C 2/04 (2006.01)**

[25] EN  
[54] **DRIVE MECHANISM FOR AN INERTIA CONE CRUSHER**  
[54] **MECANISME D'ENTRAINEMENT POUR UN BROYEUR A CONE A INERTIE**

[72] FREDRIKSSON, MAGNUS, SE  
[72] HOLSTEIN, MARTIN, SE  
[72] GUNNARSSON, JOHAN, SE  
[72] LINDVALL, JONAS, SE  
[71] SANDVIK INTELLECTUAL PROPERTY AB, SE  
[85] 2018-05-17  
[86] 2015-12-18 (PCT/EP2015/080431)  
[87] (WO2017/102022)

[21] **3,005,644**  
[13] A1

[51] **Int.Cl. A01K 61/54 (2017.01) A01K 61/60 (2017.01) B63B 22/00 (2006.01) B63B 35/28 (2006.01) B63B 35/34 (2006.01)**

[25] EN  
[54] **OYSTER FARMING APPARATUS AND METHODS**  
[54] **APPAREIL ET METHODES D'OSTREICULTURE**

[72] BOYLE, NORMAN, AU  
[71] BOYLE, NORMAN, AU  
[85] 2018-05-17  
[86] 2016-12-07 (PCT/AU2016/051200)  
[87] (WO2017/096424)  
[30] AU (2015905085) 2015-12-08

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[21] **3,005,645**  
[13] A1

[51] **Int.Cl. E21B 47/12 (2012.01) E21B 47/14 (2006.01)**

[25] EN

[54] **COMMUNICATION SYSTEM FOR SEQUENTIAL LINER HANGER SETTING, RELEASE FROM A RUNNING TOOL AND SETTING A LINER TOP PACKER**

[54] **SYSTEME DE COMMUNICATION POUR REGLAGE DE SUSPENSION DE COLONNE PERDUE SEQUENTIEL, DECHARGE D'OUTIL EN FONCTIONNEMENT, ET REGLAGE DE GARNITURE SUPERIEURE DE COLONNE PERDUE**

[72] HALFMAN, ERIC, US  
[72] MUNSHI, AMMAR A., US  
[72] O'CONNOR, KEVEN, US  
[72] PALAKAPILLY, BASIL J., US  
[71] BAKER HUGHES, A GE COMPANY, LLC, US  
[85] 2018-05-16  
[86] 2016-11-16 (PCT/US2016/062264)  
[87] (WO2017/087513)  
[30] US (14/943,838) 2015-11-17

[21] **3,005,646**  
[13] A1

[51] **Int.Cl. F24D 15/04 (2006.01) F24D 19/10 (2006.01) F25B 27/00 (2006.01) F25B 30/02 (2006.01) F25B 49/02 (2006.01) F24D 11/02 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR HEAT PUMPING**

[54] **METHODES ET SYSTEMES DE POMPAGE DE CHALEUR**

[72] CALLEMO, DAVID, SE  
[72] THORBURN, JAN, SE  
[71] SENS GEOENERGY STORAGE AB, SE  
[85] 2018-05-16  
[86] 2016-11-17 (PCT/SE2016/051142)  
[87] (WO2017/086870)  
[30] SE (1551509-1) 2015-11-20

[21] **3,005,647**  
[13] A1

[51] **Int.Cl. C08B 3/02 (2006.01) H01M 8/04007 (2016.01) H01M 8/0612 (2016.01) H01M 8/0656 (2016.01) C25B 1/00 (2006.01) C25B 15/02 (2006.01)**

[25] EN

[54] **HYDROGEN AND CARBON MONOXIDE GENERATION USING AN REP WITH PARTIAL OXIDATION**

[54] **GENERATION D'HYDROGENE ET DE MONOXYDE DE CARBONE A L'AIDE D'UN REP (REFORMEUR-ELECTROLYSEUR-EPURATEUR) PAR OXYDATION PARTIELLE**

[72] JAHNKE, FRED C., US  
[72] LAMBRECH, MATTHEW, US  
[71] FUELCELL ENERGY, INC., US  
[85] 2018-05-16  
[86] 2016-11-16 (PCT/US2016/062276)  
[87] (WO2017/087518)  
[30] US (62/256,515) 2015-11-17

[21] **3,005,648**  
[13] A1

[51] **Int.Cl. D04B 27/24 (2006.01) D04B 21/12 (2006.01)**

[25] EN

[54] **RASCHEL MACHINE, NET, AND USE OF THE RASCHEL MACHINE TO PRODUCE A NET**

[54] **METIER RACHEL, FILET ET UTILISATION DU METIER RACHEL POUR LA FABRICATION D'UN FILET**

[72] KARATZIS, ANTONIOS, GR  
[71] KARATZIS S.A. INDUSTRIAL & HOTELIER ENTERPRISES, GR  
[85] 2018-05-17  
[86] 2016-10-13 (PCT/EP2016/074610)  
[87] (WO2017/084814)  
[30] DE (10 2015 119 867.3) 2015-11-17

[21] **3,005,649**  
[13] A1

[51] **Int.Cl. B41M 3/14 (2006.01) D21H 21/30 (2006.01) D21H 21/48 (2006.01) B41M 7/00 (2006.01)**

[25] EN

[54] **PRINTED WATERMARK**

[54] **FILIGRANE IMPRIME**

[72] BOLLSTROM, ROGER, CH  
[72] GANE, PATRICK A.C., CH  
[72] SCHOELKOPF, JOACHIM, CH  
[71] OMYA INTERNATIONAL AG, CH  
[85] 2018-05-17  
[86] 2016-11-11 (PCT/EP2016/077407)  
[87] (WO2017/089148)  
[30] EP (15196143.0) 2015-11-24  
[30] US (62/261,352) 2015-12-01

[21] **3,005,650**  
[13] A1

[51] **Int.Cl. C11D 13/00 (2006.01) B01F 3/00 (2006.01) B01F 3/08 (2006.01) C11D 13/10 (2006.01)**

[25] EN

[54] **APPLIANCE FOR MADE-IN-HOME PERSONAL CARE PRODUCTS AND HOUSEHOLD CLEANERS**

[54] **APPAREIL POUR PRODUITS D'HYGIENE CORPORELLE ET PRODUITS MENAGERS FAITS MAISON**

[72] QUINN, REED, US  
[72] QUINN, SPENCER, US  
[71] SPARK INNOVATION, LLC, US  
[85] 2018-05-16  
[86] 2016-11-16 (PCT/US2016/062336)  
[87] (WO2017/087557)  
[30] US (62/255,966) 2015-11-16  
[30] US (15/353,489) 2016-11-16

[21] **3,005,651**  
[13] A1

[51] **Int.Cl. B25J 5/00 (2006.01) B25J 9/00 (2006.01)**

[25] FR

[54] **ROBOT A CARACTERE HUMANOIDE MOTORISE**

[54] **MOTORIZED HUMANOID ROBOT**

[72] CLERC, VINCENT, FR  
[71] SOFTBANK ROBOTICS EUROPE, FR  
[85] 2018-05-17  
[86] 2016-11-14 (PCT/EP2016/077575)  
[87] (WO2017/085014)  
[30] FR (1561106) 2015-11-18

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[21] **3,005,652**  
[13] A1

[51] **Int.Cl. C11D 1/22 (2006.01) C11D 1/29 (2006.01) C11D 3/20 (2006.01) C11D 3/22 (2006.01) C11D 17/04 (2006.01)**

[25] EN

[54] **LIQUID LAUNDRY DETERGENT COMPOSITION**

[54] **COMPOSITION DE DETERGENT A LESSIVE LIQUIDE**

[72] FERNANDEZ MARTINEZ, LUCIA, BE

[72] SOMERVILLE-ROBERTS, NIGEL PATRICK, GB

[72] BROOKER, ALAN THOMAS, GB

[72] PICKERING, CARLY, GB

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2018-05-16

[86] 2016-12-08 (PCT/US2016/065481)

[87] (WO2017/100380)

[30] EP (15199368.0) 2015-12-10

[21] **3,005,653**  
[13] A1

[51] **Int.Cl. F24D 19/10 (2006.01) F24D 3/18 (2006.01) F24D 11/02 (2006.01) F24D 15/04 (2006.01) F25B 27/00 (2006.01) F25B 30/02 (2006.01) F25B 49/02 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR HEAT PUMPING**

[54] **METHODS ET SYSTEMES DE POMPAGE DE CHALEUR**

[72] CALLEMO, DAVID, SE

[72] THORBURN, JAN, SE

[71] SENS GEOENERGY STORAGE AB, SE

[85] 2018-05-16

[86] 2016-11-17 (PCT/SE2016/051143)

[87] (WO2017/086871)

[30] SE (1551510-9) 2015-11-20

[21] **3,005,654**  
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**

[25] EN

[54] **AN ELECTRICALLY OPERATED AEROSOL-GENERATING SYSTEM WITH A LIQUID PUMP**

[54] **SYSTEME DE GENERATION D'AEROSOL ACTIONNEE ELECTRIQUEMENT AVEC UNE POMPE A LIQUIDE**

[72] BRIGHT, BEN, GB

[72] MAZUR, BEN, GB

[71] PHILIP MORRIS PRODUCTS S.A., CH

[85] 2018-05-17

[86] 2016-11-15 (PCT/EP2016/077681)

[87] (WO2017/108268)

[30] EP (15202075.6) 2015-12-22

[21] **3,005,655**  
[13] A1

[51] **Int.Cl. A21B 1/42 (2006.01) A21B 1/48 (2006.01) F27B 9/14 (2006.01)**

[25] EN

[54] **OVEN WITH IMPROVED DRAG**

[54] **FOUR A TRAINEE AMELIOREE**

[72] KOP, BEN, NL

[72] VAN LIEROP, MARCO, NL

[72] VERBRUGGEN, PAUL, NL

[71] GEA FOOD SOLUTIONS BAKEL B.V., NL

[85] 2018-05-17

[86] 2016-11-15 (PCT/EP2016/077744)

[87] (WO2017/085064)

[30] EP (15194963.3) 2015-11-17

[21] **3,005,656**  
[13] A1

[51] **Int.Cl. A61K 31/341 (2006.01) C07C 225/20 (2006.01)**

[25] EN

[54] **MODULATORS OF CHEMOKINE RECEPTORS**

[54] **MODULATEURS DES RECEPTEURS DES CHIMIOKINES**

[72] CHEN, XI, US

[72] DRAGOLI, DEAN R., US

[72] FAN, JUNFA, US

[72] KALISIAK, JAROSLAW, US

[72] KRASINSKI, ANTONI, US

[72] LELETI, MANMOHAN REDDY, US

[72] MALI, VENKAT, US

[72] MCMAHON, JEFFREY, US

[72] SINGH, RAJINDER, US

[72] TANAKA, HIROKO, US

[72] YANG, JU, US

[72] YU, CHAO, US

[72] ZHANG, PENGLIE, US

[71] CHEMOCENTRYX, INC., US

[85] 2018-05-16

[86] 2016-11-17 (PCT/US2016/062417)

[87] (WO2017/087607)

[30] US (62/257,389) 2015-11-19

[30] US (62/277,711) 2016-01-12

[21] **3,005,657**  
[13] A1

[51] **Int.Cl. G01N 24/08 (2006.01)**

[25] EN

[54] **NMR SEQUENTIAL FLUID CHARACTERIZATION**

[54] **CARACTERISATION SEQUENTIELLE DE FLUIDE PAR RMN**

[72] GAWANKAR, KIRAN, US

[72] BOYCE, MATTHEW, US

[71] SOUTHWESTERN ENERGY COMPANY, US

[85] 2018-05-16

[86] 2016-11-23 (PCT/US2016/063440)

[87] (WO2017/100000)

[30] US (62/259,347) 2015-11-24

[30] US (62/371,876) 2016-08-08

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[51] **Int.Cl. C07D 401/14 (2006.01) C07D 217/04 (2006.01) C07D 217/16 (2006.01) C07D 217/24 (2006.01) C07D 231/56 (2006.01) C07D 239/88 (2006.01) C07D 401/04 (2006.01) C07D 401/06 (2006.01) C07D 401/12 (2006.01) C07D 405/12 (2006.01) C07D 471/04 (2006.01) C07D 495/04 (2006.01)**

[25] EN  
[54] **MODULATORS OF ROR-GAMMA**  
[54] **MODULATEURS DE ROR-GAMMA**

[72] CLAREMON, DAVID A., US  
[72] DILLARD, LAWRENCE WAYNE, US  
[72] FAN, YI, US  
[72] JIA, LANQI, US  
[72] SINGH, SURESH B., US  
[72] TICE, COLIN M., US  
[72] XU, ZHENRONG, US  
[72] YUAN, JING, US  
[72] ZHUANG, LINGHANG, US  
[71] VITAE PHARMACEUTICALS, INC., US  
[85] 2018-05-16  
[86] 2016-11-17 (PCT/US2016/062422)  
[87] (WO2017/087608)  
[30] US (62/257,964) 2015-11-20  
[30] US (62/320,805) 2016-04-11

[21] **3,005,659**  
[13] A1

[51] **Int.Cl. B60G 7/02 (2006.01) B62D 17/00 (2006.01) F16B 2/00 (2006.01) F16B 39/28 (2006.01)**

[25] EN  
[54] **PIVOTAL CONNECTION FOR HEAVY-DUTY VEHICLE SUSPENSION ASSEMBLY**  
[54] **RACCORD PIVOTANT POUR ENSEMBLE DE SUSPENSION DE VEHICULE DU TYPE POIDS-LOURD**

[72] ANDREASEN, JACOB D., US  
[72] RAMUS, JASON M., US  
[71] HENDRICKSON USA, L.L.C., US  
[85] 2018-05-16  
[86] 2016-12-08 (PCT/US2016/065622)  
[87] (WO2017/100452)  
[30] US (62/265,616) 2015-12-10

[21] **3,005,660**  
[13] A1

[51] **Int.Cl. G06F 3/02 (2006.01)**

[25] EN  
[54] **INPUT DEVICE**  
[54] **DISPOSITIF D'ENTREE**

[72] HU, XIAOPING, CN  
[71] BOLYMEDIA HOLDINGS CO. LTD., US  
[85] 2018-05-17  
[86] 2015-11-18 (PCT/CN2015/094900)  
[87] (WO2017/084039)

[21] **3,005,661**  
[13] A1

[51] **Int.Cl. B01J 13/14 (2006.01) A01N 25/28 (2006.01) A61K 8/11 (2006.01) A61K 9/50 (2006.01)**

[25] EN  
[54] **MICROCAPSULE COMPRISING A POLYESTER-URETHANE SHELL AND A HYDROPHOBIC CORE MATERIAL**  
[54] **MICROCAPSULE COMPRENANT UNE ECORCE DE POLYESTER URETHANE ET UN COEUR EN MATERIAU HYDROPHOBE**

[72] FUCHS, YANNICK, DE  
[72] WITTELER, HELMUT, DE  
[72] BRATZ, MATTHIAS, DE  
[71] BASF SE, DE  
[85] 2018-05-17  
[86] 2016-11-08 (PCT/EP2016/076946)  
[87] (WO2017/089116)  
[30] EP (15195834.5) 2015-11-23

[21] **3,005,662**  
[13] A1

[51] **Int.Cl. A61F 11/04 (2006.01) A61B 5/00 (2006.01) A61M 21/00 (2006.01) H04R 25/00 (2006.01)**

[25] EN  
[54] **AN APPARATUS AND METHOD FOR TREATING A NEUROLOGICAL DISORDER OF THE AUDITORY SYSTEM**  
[54] **APPAREIL ET PROCEDE PERMETTANT DE TRAITER UN TROUBLE NEUROLOGIQUE DU SYSTEME AUDITIF**

[72] HUGHES, STEPHEN, IE  
[72] O'NEILL, ROSS, IE  
[72] CONLON, BRENDAN, IE  
[72] HAMILTON, CAROLINE, IE  
[72] D'ARCY, SHONA, IE  
[71] NEUROMOD DEVICES LIMITED, IE  
[85] 2018-05-17  
[86] 2016-11-15 (PCT/EP2016/077781)  
[87] (WO2017/085083)  
[30] EP (15195055.7) 2015-11-17  
[30] IE (2015/0407) 2015-11-17

[21] **3,005,663**  
[13] A1

[51] **Int.Cl. A01G 3/053 (2006.01)**

[25] EN  
[54] **HEDGE TRIMMER**  
[54] **TAILLE-HAIE**

[72] CHUNG, KOON FOR, CN  
[72] WANG, DANNY, CN  
[72] XIE, TIM, CN  
[72] RICKEY, TODD, CN  
[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN  
[85] 2018-05-17  
[86] 2015-11-18 (PCT/CN2015/094903)  
[87] (WO2017/084040)

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[13] A1

[51] **Int.Cl. C12Q 1/18 (2006.01)**  
[25] EN  
[54] **ASSAY FOR DETERMINING ANTIBIOTICS IN WASTE**  
[54] **DOSAGE POUR LA DETERMINATION D'ANTIBIOTIQUES DANS DES DECHETS**  
[72] HANEMAAIJER, LEENDERT MARINUS, NL  
[72] JAGESAR, DHIREDJ CHANDRE, NL  
[71] DSM SINOCHEM PHARMACEUTICALS NETHERLANDS B.V., NL  
[85] 2018-05-17  
[86] 2016-11-17 (PCT/EP2016/077918)  
[87] (WO2017/085153)  
[30] EP (15195669.5) 2015-11-20  
[30] EP (16152287.5) 2016-01-21

[21] **3,005,665**  
[13] A1

[51] **Int.Cl. C07H 21/04 (2006.01) A61K 39/00 (2006.01) A61K 39/104 (2006.01) C07K 16/00 (2006.01) C12P 21/08 (2006.01)**  
[25] EN  
[54] **METHOD FOR PREVENTING OR TREATING NOSOCOMIAL PNEUMONIA**  
[54] **PROCEDE DE PREVENTION OU DE TRAITEMENT D'UNE PNEUMONIE NOSOCOMIALE**  
[72] JAFRI, HASAN, US  
[72] DIGIANDOMENICO, ANTONIO, US  
[72] MCCARTHY, MICHAEL, US  
[72] YU, XIANG-QING, US  
[72] STOVER, CHARLES K., US  
[72] BISHOP, BRIAN, US  
[71] MEDIMMUNE LIMITED, GB  
[85] 2018-05-16  
[86] 2016-11-28 (PCT/US2016/063865)  
[87] (WO2017/095744)  
[30] US (62/260,935) 2015-11-30

[21] **3,005,666**  
[13] A1

[51] **Int.Cl. A61K 45/00 (2006.01) A61K 38/17 (2006.01) A61P 11/00 (2006.01)**  
[25] EN  
[54] **MODULATION OF CILIOGENESIS**  
[54] **MODULATION DE LA CILIOGENESE**  
[72] VAN BREMPT, RONALD KAREL LOUISA, NL  
[71] ACADEMISCH ZIEKENHUIS LEIDEN A/U LEIDEN UNIVERSITY MEDICAL CENTER, NL  
[85] 2018-05-17  
[86] 2016-11-17 (PCT/EP2016/078075)  
[87] (WO2017/085225)  
[30] GB (1520258.3) 2015-11-17

[21] **3,005,667**  
[13] A1

[51] **Int.Cl. B60G 11/27 (2006.01) B60G 13/10 (2006.01) F16F 9/04 (2006.01) F16F 9/05 (2006.01)**  
[25] EN  
[54] **DAMPING AIR SPRING WITH STAGED OPENINGS**  
[54] **RESSORT PNEUMATIQUE D'AMORTISSEMENT A OUVERTURES ETAGEES**  
[72] DELORENZIS, DAMON, US  
[71] HENDRICKSON USA, L.L.C., US  
[85] 2018-05-16  
[86] 2016-11-30 (PCT/US2016/064117)  
[87] (WO2017/095864)  
[30] US (62/261,554) 2015-12-01

[21] **3,005,668**  
[13] A1

[51] **Int.Cl. H04W 40/22 (2009.01) B61B 12/06 (2006.01) H04L 12/40 (2006.01) H04B 7/24 (2006.01)**  
[25] EN  
[54] **METHOD FOR TRANSMITTING DATA**  
[54] **PROCEDE DE TRANSMISSION DE DONNEES**  
[72] PFEIFER, DANIEL, AT  
[72] PERRIN, BERNARD, CH  
[72] NETZER, GERHARD, AT  
[72] DECOTIGNIE, JEAN-DOMINIQUE, CH  
[72] DALLEMAGNE, PHILIPPE, CH  
[71] INNOVA PATENT GMBH, AT  
[85] 2018-05-17  
[86] 2016-11-17 (PCT/EP2016/078072)  
[87] (WO2017/085223)  
[30] AT (A 746/2015) 2015-11-19

[21] **3,005,669**  
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01)**  
[25] EN  
[54] **USE OF RECEPTOR-BINDING DOMAIN DERIVED FROM BOVINE LEUKEMIA VIRUS FOR THE DIAGNOSIS OR TREATMENT OF CATIONIC L-AMINO ACID TRANSPORTER-RELATED DISEASES**  
[54] **UTILISATION DE DOMAINE DE LIAISON DE RECEPTEUR DERIVE DU VIRUS DE LA LEUCEMIE BOVINE POUR LE DIAGNOSTIC OU LE TRAITEMENT DE MALADIES ASSOCIES AU TRANSPORTEUR D'ACIDE L-AMINE CATIONIQUE**  
[72] IVANOVA, SVILENA, FR  
[72] GIOVANNINI, DONATELLA, FR  
[72] BELLIS, JULIEN, FR  
[72] LEZAAR, JAWIDA, FR  
[72] PETIT, VINCENT, FR  
[72] BATTINI, JEAN-LUC, FR  
[72] SITBON, MARC, FR  
[72] COURGNAUD, VALERIE, FR  
[71] METAFORA BIOSYSTEMS, FR  
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR  
[71] UNIVERSITE DE MONTPELLIER, FR  
[71] UNIVERSITE PARIS DESCARTES - PARIS V, FR  
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[86] 2016-11-18 (PCT/EP2016/078163)  
[87] (WO2017/085271)  
[30] EP (15195252.0) 2015-11-18

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[13] A1

[51] **Int.Cl. C08B 1/06 (2006.01) C08B 11/00 (2006.01) C08L 1/08 (2006.01) C08L 1/26 (2006.01)**

[25] EN

[54] **ENVIRONMENTALLY FRIENDLY PROCESS FOR THE PREPARATION OF NANOCELLULOSE AND DERIVATIVES THEREOF**

[54] **PROCEDE DE PREPARATION ECOLOGIQUE DE NANOCELLULOSE ET DE SES DERIVES**

[72] CORDOVA, ARMANDO, SE

[72] AFEWERKI, SAMSON, SE

[71] ORGANOFUEL SWEDEN AB, SE

[85] 2018-05-17

[86] 2016-11-23 (PCT/EP2016/078578)

[87] (WO2017/089413)

[30] SE (1551537-2) 2015-11-26

[21] **3,005,671**  
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01) G06F 19/20 (2011.01)**

[25] EN

[54] **METHODS FOR OBTAINING AND CORRECTING BIOLOGICAL SEQUENCE INFORMATION**

[54] **PROCEDES PERMETTANT D'OBTENIR ET DE CORRIGER DES INFORMATIONS DE SEQUENCES BIOLOGIQUES**

[72] HUANG, YANYI, CN

[72] CHEN, ZITIAN, CN

[72] ZHOU, WENXIONG, CN

[72] DUAN, HAIFENG, CN

[72] KANG, LI, CN

[72] QIAO, SHUO, CN

[71] PEKING UNIVERSITY, CN

[71] CYGNUS BIOSCIENCES (BEIJING) CO. LTD., CN

[85] 2018-05-17

[86] 2016-11-16 (PCT/CN2016/106117)

[87] (WO2017/084580)

[30] CN (201510822361.9) 2015-11-19

[30] CN (201510815685.X) 2015-11-19

[30] CN (201510944878.5) 2015-12-12

[30] CN (201610899880.X) 2016-10-14

[21] **3,005,672**  
[13] A1

[51] **Int.Cl. D21H 21/40 (2006.01) B42D 25/29 (2014.01) B42D 25/30 (2014.01) B41M 3/14 (2006.01) D21H 19/82 (2006.01) D21H 21/42 (2006.01) D21H 21/44 (2006.01) D21H 21/48 (2006.01)**

[25] EN

[54] **METHOD OF TAGGING A SUBSTRATE**

[54] **PROCEDE DE MARQUAGE D'UN SUBSTRAT**

[72] BOLLSTROM, ROGER, CH

[72] HUNZIKER, PHILIPP, US

[72] GANE, PATRICK A.C., CH

[71] OMYA INTERNATIONAL AG, CH

[85] 2018-05-17

[86] 2016-11-24 (PCT/EP2016/078646)

[87] (WO2017/089448)

[30] EP (15196085.3) 2015-11-24

[30] US (62/261,354) 2015-12-01

[21] **3,005,673**  
[13] A1

[51] **Int.Cl. H04W 48/20 (2009.01) H04W 8/02 (2009.01) H04W 84/00 (2009.01) G05D 1/00 (2006.01) G05D 1/02 (2006.01)**

[25] EN

[54] **OPTIMIZING COMMUNICATION FOR AUTOMATED VEHICLES**

[54] **OPTIMISATION DE COMMUNICATION POUR VEHICULES AUTOMATISES**

[72] ROSS, WILLIAM, US

[72] AITKEN, MICHAEL, US

[71] UBER TECHNOLOGIES, INC., US

[85] 2018-05-16

[86] 2016-12-08 (PCT/US2016/065656)

[87] (WO2017/100473)

[30] US (14/962,847) 2015-12-08

[30] US (14/962,876) 2015-12-08

[30] US (14/962,918) 2015-12-08

[30] US (14/962,974) 2015-12-08

[30] US (14/963,007) 2015-12-08

[30] US (14/963,038) 2015-12-08

[21] **3,005,674**  
[13] A1

[51] **Int.Cl. C07D 245/04 (2006.01) A61K 31/395 (2006.01) A61P 31/04 (2006.01)**

[25] EN

[54] **MACROCYCLIC BROAD SPECTRUM ANTIBIOTICS**

[54] **ANTIBIOTIQUES MACROCYCLIQUES A LARGE SPECTRE**

[72] CHEN, YONGSHENG, CN

[72] SMITH, PETER ANDREW, US

[72] ROBERTS, TUCKER CURRAN, US

[72] HIGUCHI, ROBERT I., US

[72] PARASELLI, PRASUNA, US

[72] KOEHLER, MICHAEL F. T., US

[72] SCHWARZ, JACOB BRADLEY, US

[72] CRAWFORD, JAMES JOHN, US

[72] LY, CUONG Q., US

[72] HANAN, EMILY J., US

[72] HU, HUIYONG, US

[72] YU, ZHIYONG, CN

[71] RQX PHARMACEUTICALS, INC., US

[71] GENENTECH, INC., US

[85] 2018-05-17

[86] 2016-11-21 (PCT/CN2016/106598)

[87] (WO2017/084630)

[30] CN (PCT/CN2015/095166) 2015-11-20

[30] CN (PCT/CN2016/105042) 2016-11-08

[21] **3,005,675**  
[13] A1

[51] **Int.Cl. D06C 5/00 (2006.01)**

[25] EN

[54] **MACHINE AND METHOD FOR BOARDING TUBULAR KNITTED ARTICLES**

[54] **MACHINE ET PROCEDE DE MISE EN FORME D'ARTICLES TRICOTES TUBULAIRES**

[72] GRASSI, NERINO, IT

[72] SCARPELLI, ALESSANDRO, IT

[72] SALVADORI, STEFANO, IT

[72] RUSTIONI, MIRKO, IT

[72] TINERVIA, MARIO, US

[71] GOLDEN LADY COMPANY S.P.A., IT

[85] 2018-05-17

[86] 2016-11-17 (PCT/EP2016/078048)

[87] (WO2017/085208)

[30] IT (UB2015A005766) 2015-11-20

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[13] A1

[51] **Int.Cl. C08G 18/76 (2006.01) C08G 18/20 (2006.01) C08G 18/40 (2006.01) C08G 18/42 (2006.01) C08G 18/48 (2006.01) C08K 5/00 (2006.01) C08K 5/521 (2006.01)**

[25] EN

[54] **PUR/PIR RIGID FOAMS MADE OF POLYADDITION OLIGOESTERS**

[54] **MOUSSES DURES DE PUR/PIR A PARTIR D'OLIGOESTERS DE POLYADDITION**

[72] NEFZGER, HARTMUT, DE  
[72] HAGEN, TORSTEN, DE  
[72] LORENZ, KLAUS, DE  
[72] ABELS, RENE, DE  
[71] COVESTRO DEUTSCHLAND AG, DE

[85] 2018-05-17  
[86] 2016-11-23 (PCT/EP2016/078587)  
[87] (WO2017/089417)  
[30] EP (15196451.7) 2015-11-26

[21] **3,005,677**  
[13] A1

[51] **Int.Cl. E04G 11/48 (2006.01) E04G 11/38 (2006.01)**

[25] EN

[54] **SUPPORT HEAD, CEILING SUPPORT, AND CEILING FORMWORK HAVING SUCH A CEILING SUPPORT**

[54] **TETE DE SUPPORT, SUPPORT DE PLAFOND ET COFFRAGE DE PLAFOND COMPORTANT UN TEL SUPPORT DE PLAFOND**

[72] SCHNEIDER, WERNER, DE  
[71] PERI GMBH, DE

[85] 2018-05-17  
[86] 2016-11-29 (PCT/EP2016/079093)  
[87] (WO2017/093231)  
[30] DE (10 2015 223 773.7) 2015-11-30

[21] **3,005,678**  
[13] A1

[51] **Int.Cl. H04H 60/06 (2009.01) H04N 21/4722 (2011.01) H04N 21/478 (2011.01) H04N 21/647 (2011.01) G06Q 30/02 (2012.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR COORDINATING ONLINE ACTIVITY WITH BROADCAST TELEVISION**

[54] **SYSTEMES ET PROCEDES DE COORDINATION D'ACTIVITES EN LIGNE AVEC LA TELEVISION DIFFUSEE**

[72] MADRIZ OTTOLINA, RODRIGO DARIO, CA  
[72] SUBASINGHE, UDITHA PRIYANKARA, CA

[71] TMT LAB INC., CA

[85] 2018-05-17  
[86] 2016-11-18 (PCT/CA2016/000286)  
[87] (WO2017/083957)  
[30] US (62/258,255) 2015-11-20

[21] **3,005,679**  
[13] A1

[51] **Int.Cl. F24D 3/18 (2006.01) F24D 19/10 (2006.01) F25B 30/02 (2006.01) F25B 49/02 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR HEAT PUMPING**

[54] **METHODES ET SYSTEMES DE POMPAGE DE CHALEUR**

[72] CALLEMO, DAVID, SE  
[72] THORBURN, JAN, SE  
[71] SENS GEOENERGY STORAGE AB, SE

[85] 2018-05-16  
[86] 2016-11-17 (PCT/SE2016/051144)  
[87] (WO2017/086872)  
[30] SE (1551511-7) 2015-11-20

[21] **3,005,680**  
[13] A1

[51] **Int.Cl. H03M 1/12 (2006.01) A61B 8/14 (2006.01)**

[25] EN

[54] **ASYNCHRONOUS SUCCESSIVE APPROXIMATION ANALOG-TO-DIGITAL CONVERTER AND RELATED METHODS AND APPARATUS**

[54] **CONVERTISSEUR ANALOGIQUE/NUMERIQUE A APPROXIMATIONS SUCCESSIVES ASYNCHRONE ET PROCEDES ET APPAREILS ASSOCIES**

[72] CHEN, KAILIANG, US  
[72] RALSTON, TYLER S., US  
[71] BUTTERFLY NETWORK, INC., US

[85] 2018-05-16  
[86] 2016-12-01 (PCT/US2016/064406)  
[87] (WO2017/096033)  
[30] US (14/957,418) 2015-12-02

[21] **3,005,681**  
[13] A1

[51] **Int.Cl. A61B 17/12 (2006.01)**

[25] EN

[54] **BAND-SHAPED OCCLUSION MEANS**

[54] **MOYEN D'OCCLUSION EN FORME DE BANDE**

[72] MONSTADT, HERMANN, DE  
[72] HENKES, HANS, DE  
[72] HANNES, RALF, DE  
[71] FEMTOS GMBH, DE

[85] 2018-05-17  
[86] 2016-11-24 (PCT/EP2016/078658)  
[87] (WO2017/089451)  
[30] DE (10 2015 120 554.8) 2015-11-26

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[13] A1

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[25] EN  
[54] **SYSTEM AND METHOD FOR VISUALIZING AND SIMULATING PERSONAL KNOWLEDGE STRUCTURES IN A COMPANY**  
[54] **SYSTEME ET PROCEDE DE VISUALISATION ET DE SIMULATION DE STRUCTURES DE CONNAISSANCES DU PERSONNEL DANS UNE ENTREPRISE**  
[72] FINK, PETER, DE  
[72] KOSAN, RALF, DE  
[71] FINK, PETER, DE  
[85] 2017-04-24  
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[30] DE (10 2013 222 274.2) 2013-11-01

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[51] **Int.Cl. C07C 227/16 (2006.01) C07C 229/22 (2006.01) C07K 1/06 (2006.01) C07K 1/10 (2006.01)**  
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[54] **DERIVATIVES OF GAMMA-AMANITIN**  
[54] **DERIVES DE GAMMA-AMANITINE**  
[72] WERNER-SIMON, SUSANNE, DE  
[72] SIMON, WERNER, DE  
[72] LUTZ, CHRISTIAN, DE  
[72] MULLER, CHRISTOPH, DE  
[71] HEIDELBERG PHARMA RESEARCH GMBH, DD  
[85] 2018-05-17  
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[30] EP (15003389.2) 2015-11-27

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[13] A1

[51] **Int.Cl. E04G 11/48 (2006.01) E04G 11/50 (2006.01) E04G 11/54 (2006.01)**  
[25] EN  
[54] **FORMWORK PART AND CEILING FORMWORK COMPRISING SUCH A FORMWORK PART**  
[54] **PIECE DE COFFRAGE ET COFFRAGE DE DALLES COMPRENANT UNE TELLE PIECE DE COFFRAGE**  
[72] SCHNEIDER, WERNER, DE  
[71] PERI GMBH, DE  
[85] 2018-05-17  
[86] 2016-11-29 (PCT/EP2016/079085)  
[87] (WO2017/093225)  
[30] DE (10 2015 223 762.1) 2015-11-30

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[13] A1

[51] **Int.Cl. A47J 31/36 (2006.01) A47J 31/44 (2006.01)**  
[25] EN  
[54] **A BREWING MODULE, A CAPSULE RECOGNITION MODULE AND A DRINKS PREPARATION MACHINE**  
[54] **MODULE D'INFUSION, MODULE D'IDENTIFICATION DE CAPSULE ET MACHINE DE PREPARATION DE BOISSON**  
[72] ZWICKER, DOMINIC, CH  
[72] FOSCAN, CLAUDIO, CH  
[71] QBO COFFEE GMBH, CH  
[85] 2018-05-17  
[86] 2016-11-28 (PCT/EP2016/078987)  
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[13] A1

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[25] EN  
[54] **OCCLUSION DEVICE**  
[54] **DISPOSITIF D'OCCLUSION**  
[72] GRIFFIN, STEPHEN, US  
[71] CERUS ENDOVASCULAR LIMITED, GB  
[85] 2018-05-17  
[86] 2016-12-07 (PCT/EP2016/080152)  
[87] (WO2017/097862)  
[30] US (62/264,171) 2015-12-07

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[25] EN  
[54] **AEROSOL-GENERATING SYSTEM WITH MOTOR**  
[54] **SYSTEME A MOTEUR DE PRODUCTION D'AEROSOL**  
[72] BATISTA, RUI NUNO, CH  
[72] MAZUR, BEN, GB  
[71] PHILIP MORRIS PRODUCTS S.A., CH  
[85] 2018-05-17  
[86] 2016-12-06 (PCT/EP2016/079944)  
[87] (WO2017/108394)  
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[13] A1

[51] **Int.Cl. C01G 49/08 (2006.01)**  
[25] EN  
[54] **PREPARATION OF MAGNETITE FROM FERROUS CHLORIDE SUBSEQUENT TO SULPHATE REMOVAL BY ION-EXCHANGE**  
[54] **PREPARATION DE MAGNETITE A PARTIR DE CHLORURE FERREUX APRES ELIMINATION DU SULFATE PAR ECHANGE D'IONS**  
[72] KHUMSA-ANG, KITTIMA, CA  
[72] TURNER, CARL W., CA  
[72] QIAN, JING, CA  
[71] ATOMIC ENERGY OF CANADA LIMITED / ENERGIE ATOMIQUE DU CANADA LIMITEE, CA  
[85] 2018-05-17  
[86] 2016-11-17 (PCT/CA2016/051342)  
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[25] EN  
[54] **AXLE/SUSPENSION SYSTEMS**  
[54] **SYSTEMES ESSIEU/SUSPENSION**  
[72] BABU, SATHYA, GB  
[72] WILSON, NATHAN, GB  
[72] SECK, GERHARD, DE  
[71] HENDRICKSON UNITED KINGDOM LTD, GB  
[85] 2018-05-17  
[86] 2016-12-09 (PCT/EP2016/080384)  
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[25] EN  
[54] **AN APPARATUS AND METHOD FOR TREATING A NEUROLOGICAL DISORDER OF THE AUDITORY SYSTEM**  
[54] **UN APPAREIL ET UN PROCEDE PERMETTANT DE TRAITER UN TROUBLE NEUROLOGIQUE DU SYSTEME AUDITIF**  
[72] HUGHES, STEPHEN, IE  
[72] O'NEILL, ROSS, IE  
[72] CONLON, BRENDAN, IE  
[72] HAMILTON, CAROLINE, IE  
[72] D'ARCY, SHONA, IE  
[71] NEUROMOD DEVICES LIMITED, IE  
[85] 2018-05-17  
[86] 2016-11-17 (PCT/EP2016/078077)  
[87] (WO2017/085227)  
[30] IE (2015/0407) 2015-11-17  
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[51] **Int.Cl. B41F 9/10 (2006.01)**  
[25] EN  
[54] **SQUEEGEE**  
[54] **RACLE**  
[72] BRUDERMANN, HANS JORG, CH  
[72] REINERT, MICHAEL, DE  
[71] DAETWYLER SWISSTEC AG, CH  
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[86] 2016-12-09 (PCT/EP2016/080473)  
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[51] **Int.Cl. A61M 5/28 (2006.01) A61M 5/315 (2006.01)**  
[25] EN  
[54] **PRE-FILLED PLASTIC SYRINGE CONTAINING A VEGF ANTAGONIST**  
[54] **SERINGUE EN PLASTIQUE PREREMPLIE CONTENANT UN ANTAGONISTE DU FACTEUR DE CROISSANCE DE L'ENDOTHELIUM VASCULAIRE (VEGF)**  
[72] FIEDLER, BERND, DE  
[71] FORMYCON AG, DE  
[85] 2018-05-17  
[86] 2016-11-18 (PCT/EP2016/078136)  
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[13] A1  
[51] **Int.Cl. B01L 3/00 (2006.01) F16K 27/00 (2006.01) G01N 1/40 (2006.01)**  
[25] EN  
[54] **METHOD AND DEVICE FOR FLOW CONTROL**  
[54] **PROCEDE ET DISPOSITIF DE REGULATION DE DEBIT**  
[72] FARIS, ADAM, SE  
[72] ASPLUND, JOHAN, SE  
[72] ESALA, JUHA, SE  
[72] AMCOFF, LOVE, SE  
[71] BIOTAGE AB, SE  
[85] 2018-05-17  
[86] 2016-12-12 (PCT/EP2016/080543)  
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[13] A1  
[51] **Int.Cl. C12Q 1/68 (2018.01) C12N 15/10 (2006.01)**  
[25] EN  
[54] **METHOD OF PREPARING STERILIZED COMPOSITIONS FOR STABILIZATION OF EXTRACELLULAR NUCLEIC ACIDS**  
[54] **PROCEDE DE PREPARATION DE COMPOSITIONS STERILISEES D'ACIDES NUCLEIQUES EXTRACELLULAIRES**  
[72] GROLZ, DANIEL, DE  
[72] ULLIUS, ANDREA, DE  
[71] QIAGEN GMBH, DE  
[85] 2018-05-17  
[86] 2016-11-21 (PCT/EP2016/078330)  
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[13] A1  
[51] **Int.Cl. C12Q 1/68 (2018.01)**  
[25] EN  
[54] **METHODS FOR PREDICTING RESPONSE TO ANTI-TNF THERAPY**  
[54] **PROCEDES DE PREDICTION DE LA REPONSE A UNE THERAPIE ANTI-TNF**  
[72] WRIGHT, HELEN LOUISE, GB  
[72] MOOTS, ROBERT JOHN, GB  
[72] EDWARDS, STEVEN WILLIAM, GB  
[71] THE UNIVERSITY OF LIVERPOOL, GB  
[85] 2018-05-17  
[86] 2016-12-02 (PCT/GB2016/053798)  
[87] (WO2017/093750)  
[30] GB (1521357.2) 2015-12-03

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 37/00 (2006.01) C07K 14/715 (2006.01) C12N 15/13 (2006.01)**

[25] EN

[54] **CANINIZED HUMAN ANTIBODIES TO HUMAN AND CANINE IL-4R ALPHA**

[54] **ANTICORPS HUMAINS CANINISES DIRIGES CONTRE L'IL-4R ALPHA HUMAINE ET CANINE**

[72] MORSEY, MOHAMAD, US

[72] ZHANG, YUANZHENG, US

[71] INTERVET INTERNATIONAL B.V., NL

[85] 2018-05-17

[86] 2016-12-15 (PCT/EP2016/081138)

[87] (WO2017/102920)

[30] US (62/269,486) 2015-12-18

[30] US (62/401,368) 2016-09-29

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[13] A1

[51] **Int.Cl. G21C 17/022 (2006.01) C23F 11/08 (2006.01)**

[25] EN

[54] **NUCLEAR POWER PLANT AND METHOD FOR OPERATING A NUCLEAR POWER PLANT**

[54] **CENTRALE NUCLEAIRE ET PROCEDE DE FONCTIONNEMENT D'UNE CENTRALE NUCLAIRE**

[72] STELLWAG, BERNHARD, DE

[72] FANDRICH, JORG, DE

[71] FRAMATOME GMBH, DE

[85] 2018-05-17

[86] 2016-11-22 (PCT/EP2016/078434)

[87] (WO2017/093079)

[30] DE (10 2015 120 722.2) 2015-11-30

[21] **3,005,698**  
[13] A1

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

[25] EN

[54] **APPARATUS, SYSTEMS, AND METHODS FOR PURIFYING A FLUID WITH A SILICON CARBIDE MEMBRANE**

[54] **APPAREIL, SYSTEMES ET PROCEDES POUR LA PURIFICATION D'UN FLUIDE AVEC UNE MEMBRANE DE CARBURE DE SILICIUM**

[72] POWELL, ANTHONY L., CA

[72] BUTTERS, BRIAN E., CA

[71] 1934612 ONTARIO INC., CA

[85] 2018-05-17

[86] 2016-11-18 (PCT/IB2016/001748)

[87] (WO2017/085551)

[30] US (62/258,274) 2015-11-20

[21] **3,005,699**  
[13] A1

[51] **Int.Cl. C11B 3/00 (2006.01) B01D 67/00 (2006.01) B01D 71/02 (2006.01) C11B 3/10 (2006.01) C11C 1/08 (2006.01)**

[25] EN

[54] **SEPARATION OF UNSATURATED ORGANIC COMPOUNDS**

[54] **SEPARATION DE COMPOSES ORGANIQUES INSATURES**

[72] ORMEROD, DOMINIC, BE

[72] BUEKENHOUDT, ANITA, BE

[72] DORBEC, MATTHIEU, BE

[72] PORTO-CARRERO, WIM, BE

[71] VITO NV, BE

[85] 2018-05-17

[86] 2016-12-16 (PCT/EP2016/081517)

[87] (WO2017/103164)

[30] EP (15200940.3) 2015-12-17

[21] **3,005,700**  
[13] A1

[51] **Int.Cl. A61K 31/00 (2006.01)**

[25] EN

[54] **TRI-MOLECULAR COMPLEX OF NATURAL COMPOUNDS**

[54] **COMPLEXE TRIMOLECULAIRE DE COMPOSES NATURELS**

[72] PARACHUR, VIVEK ANAND, IN

[71] PARACHUR, VIVEK ANAND, IN

[85] 2018-05-17

[86] 2016-12-16 (PCT/IN2016/050444)

[87] (WO2017/103946)

[30] IN (6738/CHE/2015) 2015-12-16

[21] **3,005,701**  
[13] A1

[51] **Int.Cl. A61M 5/00 (2006.01) A61M 5/44 (2006.01) A61M 5/14 (2006.01) A61M 5/172 (2006.01)**

[25] EN

[54] **THERMAL CONDITIONING DEVICE FOR AN INJECTION SYSTEM**

[54] **DISPOSITIF DE CONDITIONNEMENT THERMIQUE POUR UN SYSTEME D'INJECTION**

[72] CHASSOT, PIERRE YVES, CH

[72] PAWELCZYK, NICOLAS, CH

[71] BRACCO INJENEERING SA, CH

[85] 2018-05-17

[86] 2016-12-21 (PCT/EP2016/082141)

[87] (WO2017/114718)

[30] EP (15203123.3) 2015-12-30

[21] **3,005,702**  
[13] A1

[51] **Int.Cl. A61M 5/142 (2006.01) A61M 39/28 (2006.01)**

[25] EN

[54] **METHOD OF OPERATING AN INJECTION SYSTEM**

[54] **PROCEDE DE FONCTIONNEMENT D'UN SYSTEME D'INJECTION**

[72] CHASSOT, PIERRE-YVES, CH

[71] BRACCO INJENEERING SA, CH

[85] 2018-05-17

[86] 2017-02-08 (PCT/EP2017/052716)

[87] (WO2017/137421)

[30] EP (EP16154762.5) 2016-02-09

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[51] **Int.Cl. A61F 9/06 (2006.01) B23K 9/32 (2006.01)**  
[25] EN  
[54] **METHOD AND SYSTEM FOR AN ACCELERATED REACTION OF DARKENING OF THE OPTICAL DEVICE IN PERSONAL PROTECTIVE EQUIPMENT**  
[54] **METHODE ET SYSTEME DE REACTION ACCELEREE DE NOIRCISSEMENT DU DISPOSITIF OPTIQUE D'UN EQUIPEMENT DE PROTECTION PERSONNELLE**  
[72] PAPP, ROBERT, SK  
[72] LIPTAK, KRISTIAN, SK  
[72] LAUKO, ROBERT, SK  
[71] TRAFIMET GROUP S.P.A., IT  
[85] 2018-05-17  
[86] 2016-05-31 (PCT/IB2016/053188)  
[87] (WO2017/098340)  
[30] SK (PUV 50116-2015) 2015-12-07  
[30] SK (PP 50031-2016) 2016-05-30  
[30] SK (PUV 50071-2016) 2016-05-30

[21] **3,005,704**  
[13] A1

[51] **Int.Cl. G02B 6/13 (2006.01) G02B 6/122 (2006.01) G02B 6/124 (2006.01) G02B 6/125 (2006.01)**  
[25] EN  
[54] **SILICON OPTICAL CIRCUIT**  
[54] **CIRCUIT OPTIQUE A BASE DE SILICIUM**  
[72] KAMEI, SHIN, JP  
[72] JIZODO, MAKOTO, JP  
[72] TAKEDA, KOTARO, JP  
[72] FUKUDA, HIROSHI, JP  
[71] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP  
[85] 2018-05-17  
[86] 2016-11-17 (PCT/JP2016/004913)  
[87] (WO2017/085934)  
[30] JP (2015-226811) 2015-11-19

[21] **3,005,705**  
[13] A1

[51] **Int.Cl. A61B 90/00 (2016.01) A61B 34/20 (2016.01) G02B 27/01 (2006.01)**  
[25] EN  
[54] **NAVIGATION, TRACKING AND GUIDING SYSTEM FOR THE POSITIONING OF OPERATORY INSTRUMENTS WITHIN THE BODY OF A PATIENT**  
[54] **SYSTEME DE NAVIGATION, DE LOCALISATION ET DE GUIDAGE DESTINE AU POSITIONNEMENT D'INSTRUMENTS OPERATOIRES A L'INTERIEUR DU CORPS D'UN PATIENT**  
[72] ROTILIO, ALESSANDRO, IT  
[72] SOLBIATI, MARCO, IT  
[72] MIRABILE, MAURIZIO, IT  
[72] ZENI, LUIGI, IT  
[71] R.A.W. S.R.L., IT  
[85] 2018-05-17  
[86] 2016-11-21 (PCT/IB2016/057001)  
[87] (WO2017/089941)  
[30] IT (102015000075480) 2015-11-23

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[13] A1

[51] **Int.Cl. B32B 5/00 (2006.01) B32B 5/02 (2006.01) B32B 5/10 (2006.01) B32B 5/12 (2006.01) B32B 5/18 (2006.01) B32B 5/22 (2006.01) B32B 5/24 (2006.01) B32B 5/26 (2006.01) B32B 7/00 (2006.01) B32B 7/02 (2006.01) B32B 7/10 (2006.01) B32B 15/00 (2006.01) B32B 15/04 (2006.01) B32B 15/14 (2006.01) B32B 15/20 (2006.01) B32B 17/00 (2006.01) B32B 27/06 (2006.01) B32B 27/12 (2006.01) B32B 27/28 (2006.01) B32B 27/32 (2006.01)**  
[25] EN  
[54] **UNDERLAYMENT WITH THERMAL INSULATION**  
[54] **SOUS-COUCHE AVEC ISOLATION THERMIQUE**  
[72] GROFT, CORY L., US  
[72] DAUBER, THOMAS W., US  
[72] WRIGHT, THOMAS E., US  
[71] ENVIRONMENTALLY SAFE PRODUCTS, INC., US  
[85] 2018-05-16  
[86] 2015-11-16 (PCT/US2015/060915)  
[87] (WO2017/086917)

[21] **3,005,707**  
[13] A1

[51] **Int.Cl. A01N 57/00 (2006.01)**  
[25] EN  
[54] **PROCESS FOR THE PREPARATION OF KINASE INHIBITORS AND INTERMEDIATES THEREOF**  
[54] **PROCEDE DE PREPARATION D'INHIBITEURS DE KINASE ET DE LEURS INTERMEDIAIRES**  
[72] STURDIVANT, JILL M., US  
[72] DELONG, MITCHELL A., US  
[72] CHAMBOURNIER, GILLES, US  
[72] PAMMENT, MICHAEL G., US  
[72] FEDIJ, VICTOR, US  
[71] AERIE PHARMACEUTICALS, INC., US  
[85] 2018-05-16  
[86] 2015-11-17 (PCT/US2015/061177)  
[87] (WO2017/086941)

[21] **3,005,708**  
[13] A1

[51] **Int.Cl. C09K 8/506 (2006.01) C09K 8/44 (2006.01)**  
[25] EN  
[54] **SILANE-BASED TACKIFIERS FOR TREATMENT OF SUBTERRANEAN FORMATIONS**  
[54] **TACKIFIANTS A BASE DE SILANE POUR LE TRAITEMENT DE FORMATIONS SOUTERRAINES**  
[72] DANDAWATE, MONICA RAJENDRA, IN  
[72] CHITTATTUKARA, SHOY GEORGE, IN  
[72] SALLA, RAJENDER, IN  
[72] NGUYEN, PHILIP D., US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2018-05-16  
[86] 2015-12-31 (PCT/US2015/068282)  
[87] (WO2017/116467)

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[13] A1

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[25] EN  
[54] **SEAT BELT CUTTING DEVICE**  
[54] **DISPOSITIF DE COUPE DE CEINTURE DE SECURITE**  
[72] DI PIETRO, GIOVANNI, PT  
[71] DI PIETRO, GIOVANNI, PT  
[85] 2018-05-17  
[86] 2016-12-30 (PCT/IB2016/058113)  
[87] (WO2017/122079)  
[30] PT (109083) 2016-01-13

[21] **3,005,710**  
[13] A1

- [51] **Int.Cl. G10L 13/00 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR MULTI-LANGUAGE COMMUNICATION SEQUENCING**  
[54] **SYSTEME ET PROCEDE DE SEQUENCAGE DE COMMUNICATION MULTILINGUE**  
[72] BAUER, SCOTT P., US  
[72] ULLYOT, JAMES R., US  
[71] INTERACTIVE INTELLIGENCE GROUP, INC., US  
[85] 2018-05-17  
[86] 2015-10-15 (PCT/US2015/055686)  
[87] (WO2017/065770)

[21] **3,005,711**  
[13] A1

- [51] **Int.Cl. B23C 5/10 (2006.01)**  
[25] EN  
[54] **CEMENTED CARBIDE CORNER RADIUS END MILL WITH CONTINUOUSLY CURVED RAKE RIDGE AND HELICAL FLUTE DESIGN**  
[54] **FRAISE EN BOUT A RAYON DE BEC AU CARBURE CIMENTE AVEC CONCEPTION D'ARETE D'ANGLE D'INCLINAISON INCURVEE EN CONTINU ET CANNELURE HELICOIDALE**  
[72] SHPIGELMAN, LEONID, IL  
[71] ISCAR LTD., IL  
[85] 2018-05-17  
[86] 2016-10-26 (PCT/IL2016/051152)  
[87] (WO2017/090021)  
[30] US (14/948,712) 2015-11-23

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[13] A1

- [51] **Int.Cl. B23C 5/06 (2006.01) B23C 5/02 (2006.01)**  
[25] EN  
[54] **TRIANGULAR TANGENTIAL MILLING INSERT AND MILLING TOOL**  
[54] **PLAQUETTE DE FRAISAGE TANGENTIEL TRIANGULAIRE ET OUTIL DE FRAISAGE**  
[72] DAGAN, DANIEL, IL  
[71] ISCAR LTD., IL  
[85] 2018-05-17  
[86] 2016-10-30 (PCT/IL2016/051170)  
[87] (WO2017/085711)  
[30] US (14/945,486) 2015-11-19

[21] **3,005,713**  
[13] A1

- [51] **Int.Cl. G06T 19/00 (2011.01)**  
[25] EN  
[54] **THREE-DIMENSIONAL DATA ENCODING METHOD, THREE-DIMENSIONAL DATE DECODING METHOD, THREE-DIMENSIONAL DATA ENCODING DEVICE, AND THREE-DIMENSIONAL DATA DECODING DEVICE**  
[54] **PROCEDE DE CODAGE DE DONNEES TRIDIMENSIONNELLES, PROCEDE DE DECODAGE DE DONNEES TRIDIMENSIONNELLES, DISPOSITIF DE CODAGE DE DONNEES TRIDIMENSIONNELLES, ET DISPOSITIF DE DECODAGE DE DONNEES TRIDIMENSIONNELLES**  
[72] TOMA, TADAMASA, JP  
[72] NISHI, TAKAHIRO, JP  
[72] TERADA, KENGO, JP  
[72] KOASHI, YUI, JP  
[71] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US  
[85] 2018-05-17  
[86] 2016-12-01 (PCT/JP2016/005041)  
[87] (WO2017/104115)  
[30] US (62/266,914) 2015-12-14  
[30] JP (2016-225504) 2016-11-18

[21] **3,005,714**  
[13] A1

- [51] **Int.Cl. A61K 49/00 (2006.01) A61K 31/136 (2006.01) A61P 27/02 (2006.01) C09B 11/12 (2006.01)**  
[25] EN  
[54] **TRIARYL METHANE COMPOSITION, DYE COMPOSITION FOR OCULAR MEMBRANE DYEING**  
[54] **COMPOSITION DE TRIARYLMETHANE, COMPOSITION TINCTORIALE POUR COLORATION DE MEMBRANE OCULAIRE**  
[72] TAKAHAGI, MAKOTO, JP  
[72] HAGA, NOBUHIRO, JP  
[72] INOUE, ATSUSHI, JP  
[71] D. WESTERN THERAPEUTICS INSTITUTE, INC., JP  
[85] 2018-05-17  
[86] 2016-10-20 (PCT/JP2016/081173)  
[87] (WO2017/090349)  
[30] JP (2015-231303) 2015-11-27

[21] **3,005,715**  
[13] A1

- [51] **Int.Cl. A01N 43/78 (2006.01) A01N 37/46 (2006.01) A01N 43/80 (2006.01) A01P 3/00 (2006.01)**  
[25] EN  
[54] **PLANT DISEASE CONTROL COMPOSITION, AND PLANT DISEASE CONTROL METHOD**  
[54] **COMPOSITION DE LUTTE CONTRE UNE MALADIE DE PLANTE ET PROCEDE DE LUTTE CONTRE UNE MALADIE DE PLANTE**  
[72] INOUE, TAKUYA, JP  
[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP  
[85] 2018-05-17  
[86] 2016-11-24 (PCT/JP2016/084739)  
[87] (WO2017/094576)  
[30] JP (2015-234484) 2015-12-01

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[21] **3,005,716**  
[13] A1

[51] **Int.Cl. H04N 5/932 (2006.01)**  
[25] EN  
[54] **VIDEO AND MOTION EVENT INTEGRATION SYSTEM**  
[54] **SYSTEME D'INTEGRATION DE VIDEO ET D'EVENEMENT DE MOUVEMENT**

[72] BENTLEY, MICHAEL, US  
[72] KAPS, RYAN, US  
[72] BOSE, BHASKAR, US  
[71] BLAST MOTION INC., US  
[85] 2018-05-17  
[86] 2015-11-19 (PCT/US2015/061695)  
[87] (WO2016/081778)  
[30] US (14/549,422) 2014-11-20

[21] **3,005,717**  
[13] A1

[51] **Int.Cl. H02M 3/137 (2006.01) E21B 41/00 (2006.01)**  
[25] EN  
[54] **WIDE-INPUT-RANGE DOWNHOLE POWER SUPPLY**  
[54] **ALIMENTATION EN COURANT DE FOND DE TROU, A LARGE GAMME D'ENTREE**

[72] CHU, JIANYING, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2018-05-17  
[86] 2016-02-17 (PCT/US2016/018203)  
[87] (WO2017/142521)

[21] **3,005,718**  
[13] A1

[51] **Int.Cl. C08K 9/06 (2006.01) C08K 9/04 (2006.01)**  
[25] EN  
[54] **FLAME RETARDANT COMPOUND INCLUDING HOST-GUEST COMPLEX**  
[54] **COMPOSE IGNIFUGE CONTENANT UN COMPLEXE HOTE-INVITE**

[72] JIANG, DAYUE, US  
[72] LANGFELD, KIRSTEN, DE  
[72] WILLIAMSON, BRANDON ROBERT, US  
[71] CORNING OPTICAL COMMUNICATIONS LLC, US  
[85] 2018-05-17  
[86] 2016-10-19 (PCT/US2016/057623)  
[87] (WO2017/087115)  
[30] US (62/256,890) 2015-11-18

[21] **3,005,719**  
[13] A1

[51] **Int.Cl. G05F 1/66 (2006.01) H02J 1/04 (2006.01) H02J 3/46 (2006.01) H02J 13/00 (2006.01)**  
[25] EN  
[54] **POWER MANAGER WITH RECONFIGURABLE POWER CONVERTING CIRCUITS**  
[54] **GESTIONNAIRE DE PUISSANCE A CIRCUITS DE CONVERSION DE PUISSANCE RECONFIGURABLES**

[72] LONG, DAVID, US  
[72] PIELA, NICHOLAS, US  
[71] PROTONEX TECHNOLOGY CORPORATION, US  
[71] LONG, DAVID, US  
[71] PIELA, NICHOLAS, US  
[85] 2018-05-17  
[86] 2016-10-26 (PCT/US2016/058922)  
[87] (WO2017/087130)  
[30] US (62/257,995) 2015-11-20

[21] **3,005,720**  
[13] A1

[51] **Int.Cl. B23B 27/14 (2006.01) C01B 32/25 (2017.01) B01J 23/75 (2006.01) B22F 3/10 (2006.01) B22F 7/00 (2006.01) B22F 7/06 (2006.01) B23B 27/18 (2006.01) B23B 27/20 (2006.01) C22C 1/05 (2006.01) C22C 29/08 (2006.01)**  
[25] EN  
[54] **POLYCRYSTALLINE DIAMOND SINTERED MATERIAL TOOL EXCELLENT IN INTERFACIAL BONDING STRENGTH AND METHOD OF PRODUCING SAME**  
[54] **OUTIL COMPACT FRITTE EN DIAMANT POLYCRISTALLIN AYANT UNE FORCE DE JONCTION D'INTERFACE EXCEPTIONNELLE ET PROCEDE DE FABRICATION DUDIT OUTIL**

[72] MATSUO, TOSHIHIKO, JP  
[72] AKHMADI EKO, WARDOYO, JP  
[72] AKAISHI, MINORU, JP  
[71] MITSUBISHI MATERIALS CORPORATION, JP  
[85] 2018-05-17  
[86] 2016-11-21 (PCT/JP2016/084440)  
[87] (WO2017/086485)  
[30] JP (2015-226537) 2015-11-19

[21] **3,005,721**  
[13] A1

[51] **Int.Cl. B65D 47/08 (2006.01) C08L 23/04 (2006.01)**  
[25] EN  
[54] **POLYETHYLENE COMPOSITIONS HAVING LIVING HINGE PROPERTIES**  
[54] **COMPOSITIONS DE POLYETHYLENE PRESENTANT DES PROPRIETES DE CHARNIERE VIVANTE**

[72] LIN, YIJIAN, US  
[72] HOGAN, TODD A., US  
[72] MARKOVICH, RONALD P., US  
[71] DOW GLOBAL TECHNOLOGIES LLC, US  
[85] 2018-05-17  
[86] 2016-10-27 (PCT/US2016/058971)  
[87] (WO2017/087131)  
[30] US (62/257,283) 2015-11-19

[21] **3,005,722**  
[13] A1

[51] **Int.Cl. E01F 9/524 (2016.01) B32B 27/00 (2006.01) G02B 5/122 (2006.01)**  
[25] EN  
[54] **RETROREFLECTIVE TRAFFIC SIGN AND PROCESS AND APPARATUS FOR MANUFACTURING SAME**  
[54] **PANNEAU DE SIGNALISATION RETROREFLECHISSANT ET PROCEDE ET APPAREIL POUR SA FABRICATION**

[72] PRICONE, ROBERT M., US  
[71] 10X TECHNOLOGY LLC, US  
[85] 2018-05-17  
[86] 2016-11-03 (PCT/US2016/060259)  
[87] (WO2017/079392)  
[30] US (62/251,893) 2015-11-06

[21] **3,005,723**  
[13] A1

[51] **Int.Cl. A01N 43/90 (2006.01) C07D 491/00 (2006.01)**  
[25] EN  
[54] **TREATMENT OF AUTOIMMUNE DISEASE**  
[54] **TRAITEMENT DE MALADIE AUTO-IMMUNE**

[72] NIESMAN, MICHAEL, US  
[72] ZHANG, KAI, US  
[71] MINGSIGHT PHARMACEUTICALS, INC., US  
[85] 2018-05-17  
[86] 2016-11-14 (PCT/US2016/061824)  
[87] (WO2017/087318)  
[30] US (62/258,190) 2015-11-20

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[21] **3,005,726**  
[13] A1

[51] **Int.Cl. A61K 8/89 (2006.01) A61K 8/11 (2006.01) A61K 8/81 (2006.01) A61Q 1/10 (2006.01)**

[25] EN

[54] **MASCARA COMPOSITION AND METHOD**

[54] **COMPOSITION DE MASCARA ET PROCEDE ASSOCIE**

[72] LEE, WILSON A., US

[71] ELC MANAGEMENT LLC, US

[85] 2018-05-16

[86] 2016-11-17 (PCT/US2016/062611)

[87] (WO2017/087722)

[30] US (62/256,301) 2015-11-17

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[13] A1

[51] **Int.Cl. C07D 413/14 (2006.01) A61K 31/423 (2006.01) A61K 31/428 (2006.01) A61K 31/4355 (2006.01) A61K 31/4985 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) C07D 263/57 (2006.01) C07D 413/10 (2006.01) C07D 413/12 (2006.01) C07D 417/10 (2006.01) C07D 491/04 (2006.01) C07D 498/04 (2006.01)**

[25] EN

[54] **HETEROCYCLIC COMPOUNDS AS IMMUNOMODULATORS**

[54] **COMPOSES HETEROCYCLIQUES UTILISES COMME IMMUNOMODULATEURS**

[72] LI, JINGWEI, US

[72] WU, LIANGXING, US

[72] YAO, WENQING, US

[71] INCYTE CORPORATION, US

[85] 2018-05-16

[86] 2016-11-18 (PCT/US2016/062730)

[87] (WO2017/087777)

[30] US (62/257,342) 2015-11-19

[30] US (62/332,632) 2016-05-06

[30] US (62/385,099) 2016-09-08

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[13] A1

[51] **Int.Cl. H01L 31/0288 (2006.01) H01L 21/02 (2006.01) H01L 31/0216 (2014.01) H01L 31/0392 (2006.01) H01L 31/18 (2006.01)**

[25] EN

[54] **SOLAR CELL AND METHOD FOR PREPARING SAME**

[54] **PHOTOPILE ET SON PROCEDE DE PREPARATION**

[72] JUN, YOUNG-KWON, KR

[71] JUN, YOUNG-KWON, KR

[85] 2018-05-17

[86] 2017-02-20 (PCT/KR2017/001840)

[87] (WO2017/142380)

[30] KR (10-2016-0019191) 2016-02-18

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[21] **3,005,729**  
[13] A1

[51] **Int.Cl. A61B 17/068 (2006.01) A61F 2/00 (2006.01) A61B 17/00 (2006.01)**

[25] EN

[54] **APPLICATOR INSTRUMENTS FOR DISPENSING SURGICAL FASTENERS HAVING ARTICULATING SHAFTS AND ARTICULATION CONTROL ELEMENTS**

[54] **INSTRUMENTS APPLICATEURS PERMETTANT LA DISTRIBUTION D'AGRAFES CHIRURGICALES DOTES DE TIGES ARTICULEES ET D'ELEMENTS DE COMMANDE D'ARTICULATION**

[72] CARDINALE, MICHAEL, US

[72] FERREIRA, DANIAL PAUL, US

[72] SOULS, DOUG, US

[72] COHN, SIMON, US

[72] GUO, JIANXIN, US

[71] ETHICON, INC., US

[85] 2018-05-17

[86] 2016-11-09 (PCT/US2016/061091)

[87] (WO2017/087226)

[30] US (14/943,165) 2015-11-17

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[21] **3,005,730**  
[13] A1

[51] **Int.Cl. A61K 31/541 (2006.01) C07D 471/14 (2006.01)**

[25] EN

[54] **COMBINATION THERAPY OF TETRACYCLIC QUINOLONE ANALOGS FOR TREATING CANCER**

[54] **POLYTHERAPIE COMPRENANT DES ANALOGUES DE LA QUINOLONE TETRACYCLIQUE POUR LE TRAITEMENT DU CANCER**

[72] SOONG, JOHN, US

[71] SENHWA BIOSCIENCES, INC., TW

[85] 2018-05-17

[86] 2016-11-09 (PCT/US2016/061176)

[87] (WO2017/087235)

[30] US (62/258,211) 2015-11-20

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[21] **3,005,731**  
[13] A1

[51] **Int.Cl. E02F 9/28 (2006.01)**

[25] EN

[54] **IMPROVED REINFORCEMENT SYSTEM FOR A TOOL ADAPTER**

[54] **SYSTEME DE RENFORCEMENT AMELIORE POUR UN ADAPTATEUR D'OUTIL**

[72] CAMPOMANES, PATRICK SIMON, US

[71] CATERPILLAR INC., US

[85] 2018-05-17

[86] 2016-11-11 (PCT/US2016/061559)

[87] (WO2017/087273)

[30] US (14/945,532) 2015-11-19

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[21] **3,005,732**  
[13] A1

[51] **Int.Cl. G06Q 20/20 (2012.01) G06Q 20/40 (2012.01)**

[25] EN

[54] **NETWORK BRIDGE FOR LOCAL TRANSACTION AUTHORIZATION**

[54] **PONT ENTRE RESEAUX POUR AUTORISATION DE TRANSACTION LOCALE**

[72] ORROCK, ANDREW, US

[72] VIELEHR, DAVID, US

[71] E2INTERACTIVE, INC. D/B/A E2INTERACTIVE, INC., US

[85] 2018-05-17

[86] 2016-11-14 (PCT/US2016/061930)

[87] (WO2017/087335)

[30] US (14/944,319) 2015-11-18

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[13] A1

[51] **Int.Cl. H04B 7/185 (2006.01)**  
[25] EN  
[54] **PREDICTING RADIO FREQUENCY INTERFERENCE EVENTS**  
[54] **PREDICTION D'EVENEMENTS DE BROUILLAGE DE FREQUENCES RADIO**  
[72] KANNER, LAUREN, US  
[72] SCHEFFLER, CRAIG RAYDEAN, US  
[71] PLANET LABS, INC., US  
[85] 2018-05-17  
[86] 2016-11-15 (PCT/US2016/062009)  
[87] (WO2017/087372)  
[30] US (14/945,836) 2015-11-19

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[21] **3,005,734**  
[13] A1

[51] **Int.Cl. C08L 67/04 (2006.01) C08G 63/08 (2006.01) C09J 129/10 (2006.01)**  
[25] EN  
[54] **POLYMER COMPOSITIONS AND HOT-MELT ADHESIVES FORMED THEREFROM**  
[54] **COMPOSITIONS POLYMERES ET ADHESIFS THERMOFUSIBLES FORMES A PARTIR DE CELLE-CI**  
[72] HAYES, PATRICK, US  
[72] CARRAWAY, DANIEL, US  
[72] WANN, STEVEN, US  
[72] ARNOLD, RACHELLE, US  
[72] GRUBBS, JOSEPH, US  
[71] HENKEL IP & HOLDING GMBH, DE  
[71] DANIMER BIOPLASTICS, INC., US  
[85] 2018-05-17  
[86] 2016-11-16 (PCT/US2016/062192)  
[87] (WO2017/087465)  
[30] US (62/257,318) 2015-11-19

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[21] **3,005,735**  
[13] A1

[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 30/06 (2012.01) G06Q 50/28 (2012.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS OF CONTROLLING DELIVERY OF PRODUCTS**  
[54] **SYSTEMES ET PROCEDES POUR MAITRISER LA DISTRIBUTION DE PRODUITS**  
[72] PANDEY, SUBODH K., US  
[72] BARVE, SUYOG, US  
[72] TRIPATHI, SWATI, US  
[71] WALMART APOLLO, LLC, US  
[85] 2018-05-17  
[86] 2016-11-16 (PCT/US2016/062205)  
[87] (WO2017/087471)  
[30] US (62/258,315) 2015-11-20

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[21] **3,005,736**  
[13] A1

[51] **Int.Cl. G06T 5/00 (2006.01) G06T 5/50 (2006.01)**  
[25] EN  
[54] **GENERATING HIGH-DYNAMIC RANGE IMAGES USING MULTIPLE FILTERS**  
[54] **GENERATION D'IMAGES A GRANDE GAMME DYNAMIQUE A L'AIDE DE MULTIPLES FILTRES**  
[72] ROBERTSON, MARK ALLEN, US  
[72] KRYDA, KEN JAMES, US  
[71] PLANET LABS, INC., US  
[85] 2018-05-17  
[86] 2016-11-17 (PCT/US2016/062409)  
[87] (WO2017/087601)  
[30] US (14/945,927) 2015-11-19

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[21] **3,005,737**  
[13] A1

[51] **Int.Cl. A61K 31/407 (2006.01) A61K 31/404 (2006.01) A61K 31/5377 (2006.01)**  
[25] EN  
[54] **INHIBITORS OF CXCR2**  
[54] **INHIBITEURS DE CXCR2**  
[72] CHEN, XI, US  
[72] DRAGOLI, DEAN R., US  
[72] FAN, JUNFA, US  
[72] KALISIAK, JAROSLAW, US  
[72] LELETI, MANMOHAN REDDY, US  
[72] MALATHONG, VIENGKHAM, US  
[72] MCMAHON, JEFFREY, US  
[72] TANKAKA, HIROKO, US  
[72] YANG, JU, US  
[72] YU, CHAO, US  
[72] ZHANG, PENGLIE, US  
[72] MALI, VENKAT, US  
[71] CHEMOCENTRYX, INC., US  
[85] 2018-05-17  
[86] 2016-11-17 (PCT/US2016/062427)  
[87] (WO2017/087610)  
[30] US (62/257,529) 2015-11-19

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[21] **3,005,738**  
[13] A1

[51] **Int.Cl. A01N 43/647 (2006.01) A01N 43/653 (2006.01) A01N 43/707 (2006.01) C07D 249/02 (2006.01) C07D 249/08 (2006.01) C07D 249/12 (2006.01)**  
[25] EN  
[54] **4-((6-(2-(2,4-DIFLUOROPHENYL)-1,1-DIFLUORO-2-HYDROXY-3-(1H-1,2,4-TRIAZOL-1-YL)PROPYL)PYRIDIN-3-YL)OXY)BENZONITRILE AND PROCESSES OF PREPARATION**  
[54] **4-((6-(2,4-DIFLUOROPHENYL)-1,1-DIFLUORO-2-HYDROXY-3-(1H-1,2,4-TRIAZOL-1-YL)PROPYL)PYRIDIN-3-YL)OXY)BENZONITRILE ET PROCEDES DE PREPARATION**  
[72] YANG, QIANG, US  
[72] KNUEPPEL, DANIEL, US  
[72] SULLENBERGER, MICHAEL T., US  
[72] HAO, YAN, US  
[72] RYAN, SARAH, US  
[72] PATZNER, JEROD, US  
[72] WHITEKER, GREGORY, US  
[71] DOW AGROSCIENCES LLC, US  
[85] 2018-05-17  
[86] 2016-11-17 (PCT/US2016/062447)  
[87] (WO2017/087619)  
[30] US (62/256,486) 2015-11-17

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[13] A1

[51] **Int.Cl. C12N 15/86 (2006.01) C12N 5/071 (2010.01) C12N 5/074 (2010.01) C12N 7/02 (2006.01)**

[25] EN

[54] **T7 ALPHA VIRAL VECTOR SYSTEM**

[54] **SYSTEME DE VECTEUR VIRAL ALPHA T7**

[72] WAGNER, THOMAS E., US

[71] ORBIS HEALTH SOLUTIONS LLC, US

[85] 2018-05-17

[86] 2016-11-18 (PCT/US2016/062703)

[87] (WO2017/087763)

[30] US (62/256,788) 2015-11-18

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[21] **3,005,740**  
[13] A1

[51] **Int.Cl. H03G 3/30 (2006.01) H03F 3/45 (2006.01) H03H 11/12 (2006.01)**

[25] EN

[54] **HIGH LINEARLY WIGIG BASEBAND AMPLIFIER WITH CHANNEL SELECT FILTER**

[54] **AMPLIFICATEUR EN BANDE DE BASE WIGIG A HAUTE LINEARITE A FILTRE DE SELECTION DE CANAL**

[72] SOE, ZAW, US

[72] JING, KEVIN, US

[72] GAO, STEVE, US

[71] TENSORCOM, INC., US

[85] 2018-05-17

[86] 2016-11-16 (PCT/US2016/062224)

[87] (WO2017/087485)

[30] US (62/256,460) 2015-11-17

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[21] **3,005,741**  
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01)**

[25] EN

[54] **COMPOUNDS AND COMPOSITIONS USEFUL FOR TREATING DISORDERS RELATED TO NTRK**

[54] **COMPOSES ET COMPOSITIONS UTILES POUR TRAITER DES TROUBLES ASSOCIES AU GENE NTRK**

[72] WENGLOWSKY, STEVEN MARK, US

[72] MIDUTURU, CHANDRASEKHAR V., US

[72] BIFULCO, NEIL, JR., US

[72] KIM, JOSEPH L., US

[71] BLUEPRINT MEDICINES CORPORATION, US

[85] 2018-05-17

[86] 2016-11-18 (PCT/US2016/062731)

[87] (WO2017/087778)

[30] US (62/257,476) 2015-11-19

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[21] **3,005,742**  
[13] A1

[51] **Int.Cl. B22F 3/105 (2006.01) A61F 2/28 (2006.01) A61L 27/04 (2006.01) A61L 27/06 (2006.01) B22F 3/24 (2006.01) C22C 1/04 (2006.01)**

[25] EN

[54] **PROCESSES FOR ADDITIVELY MANUFACTURING ORTHOPEDIC IMPLANTS**

[54] **PROCEDES DE FABRICATION ADDITIVE D'IMPLANTS ORTHOPEDIQUES**

[72] GALLAGHER, MICHELLE B., US

[72] SCHNEIDER, JENNIFER M., US

[72] BERG, MARK E., US

[71] TITAN SPINE, LLC, US

[85] 2018-05-17

[86] 2016-11-21 (PCT/US2016/063064)

[87] (WO2017/087944)

[30] US (62/258,251) 2015-11-20

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[21] **3,005,743**  
[13] A1

[51] **Int.Cl. C07D 401/06 (2006.01) C07D 213/127 (2006.01) C07D 405/06 (2006.01)**

[25] EN

[54] **4-((6-(2-(2,4-DIFLUOROPHENYL)-1,1-DIFLUORO-2-HYDROXY-3-(1H-1,2,4-TRIAZOL-1-YL)PROPYL)PYRIDIN-3-YL)OXY)BENZONITRILE AND PROCESSES OF PREPARATION**

[54] **4-((6-(2,4-DIFLUOROPHENYL)-1,1-DIFLUORO-2-HYDROXY-3-(1H-1,2,4-TRIAZOL-1-YL)MIDUTURU, CHANDRASEKHAR V., US**

[72] HAO, YAN, US

[72] YANG, QIANG, US

[72] RYAN, SARAH, US

[71] DOW AGROSCIENCES LLC, US

[85] 2018-05-17

[86] 2016-11-17 (PCT/US2016/062398)

[87] (WO2017/087592)

[30] US (62/256,548) 2015-11-17

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[21] **3,005,744**  
[13] A1

[51] **Int.Cl. A01N 43/713 (2006.01) A01N 43/647 (2006.01) A01P 3/00 (2006.01) A61K 31/41 (2006.01)**

[25] EN

[54] **4-((6-(2-(2,4-DIFLUOROPHENYL)-1,1-DIFLUORO-2-OXOETHYL)PYRIDIN-3-YL)OXY)BENZONITRILE AND PROCESSES OF PREPARATION**

[54] **4-((6-(2,4-DIFLUOROPHENYL)-1,1-DIFLUORO-2-YL)PROPYL)PYRIDIN-3-YL)OXY)BENZONITRILE ET LEURS PROCEDES DE PREPARATION**

[72] YANG, QIANG, US

[72] HAO, YAN, US

[72] RYAN, SARAH, US

[72] WHITEKER, GREGORY, US

[71] DOW AGROSCIENCES LLC, US

[85] 2018-05-17

[86] 2016-11-17 (PCT/US2016/062405)

[87] (WO2017/087597)

[30] US (62/256,399) 2015-11-17



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[21] **3,005,745**  
[13] A1

[51] **Int.Cl. B05B 5/053 (2006.01) F01D 15/06 (2006.01) F01D 17/10 (2006.01)**  
[25] EN  
[54] **SPRAY TOOL POWER SUPPLY SYSTEM**  
[54] **SYSTEME D'ALIMENTATION ELECTRIQUE D'OUTIL DE PULVERISATION**  
[72] BALTZ, JAMES PAUL, US  
[72] SWANSON, TAIT RUSSELL, US  
[71] CARLISLE FLUID TECHNOLOGIES, INC., US  
[85] 2018-05-17  
[86] 2016-11-30 (PCT/US2016/064278)  
[87] (WO2017/095963)  
[30] US (62/261,728) 2015-12-01  
[30] US (15/364,197) 2016-11-29

[21] **3,005,746**  
[13] A1

[51] **Int.Cl. H04W 4/00 (2018.01) H04W 4/02 (2018.01) H04L 29/08 (2006.01)**  
[25] EN  
[54] **ADAPTIVE LOCATION BRANDING**  
[54] **MARQUAGE ADAPTATIF D'EMPLACEMENT**  
[72] BOLTON, JEFF MICHAEL, US  
[72] WOLFSTON, JAMES H., US  
[71] COLLEGENET, INC., US  
[85] 2018-05-17  
[86] 2016-11-22 (PCT/US2016/063247)  
[87] (WO2017/091539)  
[30] US (14/949,477) 2015-11-23

[21] **3,005,747**  
[13] A1

[51] **Int.Cl. G06T 5/00 (2006.01) G06T 5/50 (2006.01)**  
[25] EN  
[54] **GENERATING HIGH-DYNAMIC RANGE IMAGES USING VARYING EXPOSURES**  
[54] **GENERATION D'IMAGES A PLAGE DYNAMIQUE ELEVEE AU MOYEN DE DIVERSES EXPOSITIONS**  
[72] ROBERTSON, MARK ALLEN, US  
[72] KRYDA, KEN JAMES, US  
[71] PLANET LABS, INC., US  
[85] 2018-05-17  
[86] 2016-11-17 (PCT/US2016/062406)  
[87] (WO2017/087598)  
[30] US (14/945,893) 2015-11-19

[21] **3,005,748**  
[13] A1

[51] **Int.Cl. F16L 21/06 (2006.01) F16K 1/46 (2006.01) F16L 17/04 (2006.01) F16L 19/00 (2006.01) F16L 19/02 (2006.01) F16L 19/03 (2006.01)**  
[25] EN  
[54] **COUPLING SEAL HAVING RAMP SURFACES**  
[54] **JOINT D'ETANCHEITE DE COUPLAGE AYANT DES SURFACES EN RAMPE**  
[72] PARK, YANG BAE, US  
[71] VICTAULIC COMPANY, US  
[85] 2018-05-17  
[86] 2016-11-18 (PCT/US2016/062761)  
[87] (WO2017/091461)  
[30] US (62/258,797) 2015-11-23

[21] **3,005,749**  
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01)**  
[25] EN  
[54] **ANTI-PD-1 ANTIBODIES AND THERAPEUTIC USES THEREOF**  
[54] **ANTICORPS ANTI-PD-1 ET LEURS UTILISATIONS THERAPEUTIQUES**  
[72] WANG, JIEYI, US  
[72] DONG, LIQUN, US  
[72] WANG, YAOLIN, US  
[71] LYVGEN BIOPHARMA HOLDINGS LIMITED, KY  
[85] 2018-05-17  
[86] 2016-11-17 (PCT/US2016/062407)  
[87] (WO2017/087599)  
[30] CN (201510799538.8) 2015-11-18

[21] **3,005,751**  
[13] A1

[51] **Int.Cl. A61K 31/5377 (2006.01) A61K 31/5355 (2006.01) A61P 37/02 (2006.01)**  
[25] EN  
[54] **THIENO-PYRIMIDINE DERIVATIVES AND USES THEREOF**  
[54] **DERIVES DE THIENO-PYRIMIDINE ET UTILISATIONS DE CEUX-CI**  
[72] ZHAI, HAIXIAO, US  
[72] WU, FAN, US  
[71] ZHEJIANG JIANFENG-YIEN BIOTECHNOLOGY CO., LTD., CN  
[85] 2018-05-17  
[86] 2016-12-01 (PCT/US2016/064502)  
[87] (WO2017/096095)  
[30] US (62/262,386) 2015-12-03

[21] **3,005,752**  
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01)**  
[25] EN  
[54] **SUTURE DEPLOYMENT OF PROSTHETIC HEART VALVE**  
[54] **DEPLOIEMENT DE SUTURE DE VALVULE CARDIAQUE PROTHETIQUE**  
[72] CHANG, ARVIN T., US  
[72] NEUMANN, YAIR A., US  
[72] SENESH, GIL, US  
[72] ALTMAN, HERNAN, IL  
[72] POOL, SCOTT LOUIS, US  
[72] GIBSON, HANNAH, US  
[72] ANDERSON, AMANDA K., US  
[72] TRAN, PETER PHONG, US  
[72] PHAN, LY TH, US  
[71] EDWARDS LIFESCIENCES CORPORATION, US  
[85] 2018-05-17  
[86] 2016-12-02 (PCT/US2016/064802)  
[87] (WO2017/096289)  
[30] US (62/262,307) 2015-12-02  
[30] US (15/366,959) 2016-12-01

[21] **3,005,753**  
[13] A1

[51] **Int.Cl. A61K 35/17 (2015.01) C12N 5/0783 (2010.01) A61K 39/00 (2006.01) C12N 5/10 (2006.01)**  
[25] EN  
[54] **METHOD OF MANUFACTURING DUAL-SPECIFIC T-CELLS FOR USE IN CANCER IMMUNOTHERAPY**  
[54] **PROCEDE DE PRODUCTION DE CELLULES T BI-SPECIFIQUES POUR UNE UTILISATION EN IMMUNOTHERAPIE ANTICANCEREUSE**  
[72] CUI, WEIGUO, US  
[71] BLOODCENTER RESEARCH FOUNDATION, US  
[85] 2018-05-17  
[86] 2016-11-18 (PCT/US2016/062831)  
[87] (WO2017/112184)  
[30] US (62/257,429) 2015-11-19

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[13] A1

[51] **Int.Cl. A61K 31/185 (2006.01) A23K 20/10 (2016.01) A23K 50/40 (2016.01) A61P 25/00 (2006.01) C07C 309/14 (2006.01) C12Q 1/00 (2006.01)**

[25] EN

[54] **HOMOTAURINE-ENRICHED COMPOSITIONS AND METHODS OF USE FOR ANIMAL HEALTH**

[54] **COMPOSITION ENRICHEE EN HOMOTAURINE ET PROCEDES D'UTILISATION EN SANTE ANIMALE**

[72] BELLINI, FRANCESCO, CA

[72] HEBERT, LISE, CA

[72] SPATERNA, ANDREA, IT

[72] MARCHETTI, MARCO, IT

[71] FB HEALTH S.P.A., IT

[71] BELLINI, FRANCESCO, CA

[85] 2018-05-18

[86] 2016-11-18 (PCT/CA2016/051354)

[87] (WO2017/083983)

[30] CA (2,912,611) 2015-11-18

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[21] **3,005,755**  
[13] A1

[51] **Int.Cl. G06Q 50/00 (2012.01) A61B 5/00 (2006.01) G06F 17/27 (2006.01) G06F 17/30 (2006.01) G06F 19/00 (2018.01) G06Q 10/00 (2012.01)**

[25] EN

[54] **ELECTRONIC MEDICAL RECORD INTEGRATION**

[54] **INTEGRATION DE DOSSIER MEDICAL ELECTRONIQUE**

[72] OROSCO, JOHN, US

[72] PIEROTTI, JEREMY E., US

[72] SANSOM, DAVID, US

[71] SANSORO HEALTH, LLC, US

[85] 2018-05-17

[86] 2016-12-07 (PCT/US2016/065432)

[87] (WO2017/100352)

[30] US (62/264,714) 2015-12-08

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[21] **3,005,756**  
[13] A1

[51] **Int.Cl. A61B 5/16 (2006.01) A61B 3/113 (2006.01) A61B 5/18 (2006.01)**

[25] EN

[54] **PORTABLE OCULAR RESPONSE TESTING DEVICE AND METHODS OF USE**

[54] **DISPOSITIF PORTATIF DE TEST DE REPOSE OCULAIRE ET PROCEDES D'UTILISATION**

[72] ROSHAN, YASER MOHAMMADIAN, CA

[72] VEJDANI, AMIRHOSSEIN, CA

[72] HAMIDI, FARZAD, CA

[72] KOHAN, EHSAN DANESHI, CA

[72] RASHIDI, YOUNES, CA

[71] OPHTHALIGHT DIGITAL SOLUTIONS INC., CA

[85] 2018-05-18

[86] 2016-12-05 (PCT/CA2016/051426)

[87] (WO2017/091909)

[30] US (62/262,581) 2015-12-03

[30] US (62/369,995) 2016-08-02

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[21] **3,005,757**  
[13] A1

[51] **Int.Cl. A61L 27/04 (2006.01) A61L 27/06 (2006.01) B22F 3/105 (2006.01) B22F 3/14 (2006.01)**

[25] EN

[54] **PROCESSES FOR ADDITIVELY MANUFACTURING ORTHOPEDIC IMPLANTS**

[54] **PROCEDES DE FABRICATION ADDITIVE D'IMPLANTS ORTHOPEDIQUES**

[72] GALLAGHER, MICHELLE B., US

[72] SCHNEIDER, JENNIFER M., US

[72] BERG, MARK E., US

[71] TITAN SPINE, LLC, US

[85] 2018-05-17

[86] 2016-11-21 (PCT/US2016/062999)

[87] (WO2017/087927)

[30] US (62/258,239) 2015-11-20

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[21] **3,005,758**  
[13] A1

[51] **Int.Cl. H01R 13/629 (2006.01) H01R 13/46 (2006.01) H01R 13/641 (2006.01)**

[25] EN

[54] **ELECTRICAL CONNECTOR WITH RECORDABLE POSITION ASSURANCE**

[54] **CONNECTEUR ELECTRIQUE A ASSURANCE DE POSITION ENREGISTRABLE**

[72] DEWITTE, THOMAS ROBERT, US

[71] TE CONNECTIVITY CORPORATION, US

[85] 2018-05-17

[86] 2016-11-21 (PCT/US2016/063058)

[87] (WO2017/091500)

[30] US (14/950,599) 2015-11-24

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[21] **3,005,759**  
[13] A1

[51] **Int.Cl. D21H 27/00 (2006.01) D21H 11/12 (2006.01)**

[25] EN

[54] **METHODS FOR LIBERATING TRICHOME FIBERS FROM PORTIONS OF A HOST PLANT**

[54] **PROCEDES POUR LIBERER DES FIBRES DE TRICHOME A PARTIR DE PARTIES D'UNE PLANTE HOTE**

[72] MOHAMMADI, KHOSROW PARVIZ, US

[72] KREIDER, SCOTT CHRISTOPHER, US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2018-05-17

[86] 2016-12-14 (PCT/US2016/066536)

[87] (WO2017/106270)

[30] US (62/269,430) 2015-12-18

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[21] **3,005,760**  
[13] A1

[51] **Int.Cl. A61K 31/04 (2006.01) A61K 31/095 (2006.01) A61K 31/26 (2006.01) A61K 31/275 (2006.01)**

[25] EN

[54] **COMPOUNDS AND METHODS FOR INHIBITING PRODUCTION OF TRIMETHYLAMINE**

[54] **COMPOSES ET METHODES PERMETTANT D'INHIBER LA PRODUCTION DE TRIMETHYLAMINE**

[72] GARCIA-GARCIA, JOSE CARLOS, US

[72] HAZEN, STANLEY LEON, US

[72] WOS, JOHN AUGUST, US

[71] THE PROCTER & GAMBLE COMPANY, US

[71] THE CLEVELAND CLINIC FOUNDATION, US

[85] 2018-05-17

[86] 2016-12-01 (PCT/US2016/064299)

[87] (WO2017/095975)

[30] US (62/261,645) 2015-12-01

[30] US (62/261,662) 2015-12-01

[30] US (62/356,422) 2016-06-29

[21] **3,005,762**  
[13] A1

[51] **Int.Cl. B01F 15/00 (2006.01) B01F 3/12 (2006.01) B01F 7/16 (2006.01) B01F 15/02 (2006.01) F16K 1/00 (2006.01)**

[25] EN

[54] **INLET VALVE, MIXING DEVICE AND CONTROL METHOD FOR INTRODUCING A POWDERY SUBSTANCE INTO A LIQUID**

[54] **SOUPAPE D'ALIMENTATION, DISPOSITIF MELANGEUR ET PROCEDE DE COMMANDE POUR L'INTRODUCTION D'UNE SUBSTANCE PULVERULENTE DANS UN LIQUIDE**

[72] MORK NIELSEN, MIKKEL, DK

[72] MARCUSSEN, TORBEN, DK

[72] DARRE, BJARNE, DK

[72] SCHWENZOW, UWE, DE

[71] GEA TDS GMBH, DE

[85] 2018-05-18

[86] 2016-03-03 (PCT/EP2016/000369)

[87] (WO2017/088938)

[30] DE (10 2015 015 033.2) 2015-11-23

[30] DE (10 2015 016 766.9) 2015-12-23

[21] **3,005,764**  
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01)**

[25] EN

[54] **ANTI-ALPHA-V INTEGRIN ANTIBODY FOR THE TREATMENT OF FIBROSIS AND/OR FIBROTIC DISORDERS**

[54] **ANTICORPS DE L'INTEGRINE ANTI-ALPHA-V POUR LE TRAITEMENT DE LA FIBROSE ET/OU DE TROUBLES FIBROTQUES**

[72] CELIK, ILHAN, DE

[72] STAUB, EIKE, DE

[72] URBAN, MIRIAM, DE

[72] RAAB, SABINE, DE

[72] SAMY, EILEEN, US

[72] BENDER, ANDREW, US

[72] HIGGINBOTHAM, GEORGIANNA, US

[72] WU, YIN, US

[72] XU, DAIGEN, US

[71] MERCK PATENT GMBH, DE

[85] 2018-05-18

[86] 2016-11-22 (PCT/EP2016/001970)

[87] (WO2017/088974)

[30] US (62/258,626) 2015-11-23

[30] EP (16164879.5) 2016-04-12

[21] **3,005,761**  
[13] A1

[51] **Int.Cl. C03C 17/00 (2006.01) C23C 14/00 (2006.01) C23C 14/08 (2006.01) C23C 14/10 (2006.01) C23C 14/18 (2006.01) C23C 14/35 (2006.01) C23C 16/00 (2006.01) C23C 16/40 (2006.01) C23C 16/513 (2006.01)**

[25] FR

[54] **PROCESS AND PLANT FOR OBTAINING COLORED GLAZING**

[54] **PROCEDE ET INSTALLATION POUR L'OBTENTION D'UN VITRAGE COLORE**

[72] MAGDENKO-SAVOUREY, LIUBOV, FR

[72] AGUIAR, ROSIANA, FR

[71] SAINT-GOBAIN GLASS FRANCE, FR

[85] 2018-05-17

[86] 2016-12-08 (PCT/FR2016/053277)

[87] (WO2017/098166)

[30] FR (1562045) 2015-12-09

[21] **3,005,763**  
[13] A1

[51] **Int.Cl. D21H 21/16 (2006.01) D21H 11/12 (2006.01) D21H 27/00 (2006.01) D21H 27/30 (2006.01) D21H 17/59 (2006.01)**

[25] EN

[54] **FLUSHABLE FIBROUS STRUCTURES**

[54] **STRUCTURES FIBREUSES JETABLES DANS LES TOILETTES**

[72] MOHAMMADI, KHOSROW PARVIZ, US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2018-05-17

[86] 2016-12-14 (PCT/US2016/066587)

[87] (WO2017/106299)

[30] US (62/269,464) 2015-12-18

[21] **3,005,765**  
[13] A1

[51] **Int.Cl. C03C 17/42 (2006.01) C03C 17/38 (2006.01)**

[25] FR

[54] **THERMAL CONTROL GLAZING WITH A PROTECTIVE POLYMER FILM**

[54] **VITRAGE DE CONTROLE THERMIQUE MUNI D'UN FILM POLYMERE PROTECTEUR**

[72] DEVYS, LUCIE, FR

[72] WANAKULE, NISITA, FR

[71] SAINT-GOBAIN GLASS FRANCE, FR

[85] 2018-05-17

[86] 2016-12-14 (PCT/FR2016/053410)

[87] (WO2017/103465)

[30] FR (1562371) 2015-12-15

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[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4375 (2006.01) A61P 37/00 (2006.01) C07D 241/42 (2006.01) C07D 401/04 (2006.01) C07D 405/14 (2006.01) C07D 413/04 (2006.01) C07D 413/14 (2006.01) C07D 417/04 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**

[25] EN

[54] **POLYCYCLIC TLR7/8 ANTAGONISTS AND USE THEREOF IN THE TREATMENT OF IMMUNE DISORDERS**

[54] **ANTAGONISTES DE TLR7/8 POLYCYLIQUES ET LEUR UTILISATION DANS LE TRAITEMENT DE MALADIES IMMUNES**

[72] SHERER, BRIAN A., US  
[72] BRUGGER, NADIA, US  
[71] MERCK PATENT GMBH, DE  
[85] 2018-05-17  
[86] 2016-12-16 (PCT/US2016/067112)  
[87] (WO2017/106607)  
[30] US (62/268,765) 2015-12-17  
[30] US (62/353,603) 2016-06-23

[21] **3,005,767**  
[13] A1

[51] **Int.Cl. C12N 5/02 (2006.01) A61K 35/51 (2015.01) A61K 35/28 (2015.01)**

[25] EN

[54] **USES OF EXPANDED POPULATIONS OF HEMATOPOIETIC STEM/PROGENITOR CELLS**

[54] **UTILISATIONS DE POPULATIONS ETENDUES DE CELLULES SOUCHES/PROGENITRICES HEMATOPOIETIQUES**

[72] DELANEY, COLLEEN, US  
[71] FRED HUTCHINSON CANCER RESEARCH CENTER, US  
[85] 2018-05-17  
[86] 2016-12-05 (PCT/US2016/064908)  
[87] (WO2017/096347)  
[30] US (62/263,470) 2015-12-04  
[30] US (62/263,573) 2015-12-04

[21] **3,005,768**  
[13] A1

[51] **Int.Cl. H01M 10/0525 (2010.01) H01M 4/525 (2010.01) H01M 10/0561 (2010.01) H01G 11/56 (2013.01)**

[25] EN

[54] **VERTICAL CARBON NANOTUBE AND LITHIUM ION BATTERY CHEMISTRIES**

[54] **COMPOSITIONS CHIMIQUES DE NANOTUBES DE CARBONE VERTICAUX ET DE BATTERIES AU LITHIUM-ION**

[72] DAROLLES, ISABELLE M., US  
[72] FAHIMI, AZIN, US  
[72] WANG, CONG, US  
[72] ARIA, ADRIANUS I., GB  
[72] CENDON, LUCIANA, US  
[72] GHARIB, MORTEZA, US  
[71] CALIFORNIA INSTITUTE OF TECHNOLOGY, US

[85] 2018-05-17  
[86] 2017-01-20 (PCT/US2017/014359)  
[87] (WO2017/127694)  
[30] US (62/286,075) 2016-01-22  
[30] US (62/286,083) 2016-01-22  
[30] US (62/287,497) 2016-01-27  
[30] US (62/308,740) 2016-03-15

[21] **3,005,769**  
[13] A1

[51] **Int.Cl. B27B 33/20 (2006.01) B23D 45/10 (2006.01) B26D 1/01 (2006.01) B27B 1/00 (2006.01) B27B 33/08 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR PROCESSING LOGS**

[54] **APPAREIL ET PROCEDE POUR TRAITER DES RONDINS**

[72] RAUTIO, MARKKU, FI  
[72] HALTTUNEN, TUOMAS, FI  
[71] VEISTO OY, FI  
[85] 2018-05-18  
[86] 2016-11-24 (PCT/FI2016/050826)  
[87] (WO2017/089654)  
[30] FI (20155866) 2015-11-24

[21] **3,005,770**  
[13] A1

[51] **Int.Cl. H04L 12/16 (2006.01) G06F 3/048 (2013.01) G06F 3/14 (2006.01) H04L 12/58 (2006.01)**

[25] EN

[54] **VISUAL MESSAGING METHOD AND SYSTEM**

[54] **PROCEDE ET SYSTEME DE MESSAGERIE VISUELLE**

[72] BOOTHROYD, CHRISTOPHER CRAIG, CA  
[72] AUGER, COREY, CA  
[71] NEXTWAVE SOFTWARE INC., CA  
[85] 2018-05-18  
[86] 2016-12-05 (PCT/CA2016/051427)  
[87] (WO2017/091910)  
[30] US (62/263,446) 2015-12-04

[21] **3,005,771**  
[13] A1

[51] **Int.Cl. A61H 23/02 (2006.01) A61H 7/00 (2006.01) A61H 15/00 (2006.01)**

[25] EN

[54] **PORTABLE THERAPEUTIC DEVICE AND ASSOCIATED USE THEREOF**

[54] **DISPOSITIF THERAPEUTIQUE PORTABLE.**

[72] BURNS, DENISE K., US  
[72] SBARRO, DONNA, US  
[72] BELNAVIS, DOROTHY, US  
[71] BURNS, DENISE K., US  
[71] SBARRO, DONNA, US  
[71] BELNAVIS, DOROTHY, US  
[85] 2018-05-17  
[86] 2017-06-14 (PCT/US2017/037466)  
[87] (WO2017/218666)  
[30] US (62/351,885) 2016-06-17

[21] **3,005,772**  
[13] A1

[51] **Int.Cl. C07G 1/00 (2011.01) C08H 8/00 (2010.01) C10L 1/00 (2006.01)**

[25] EN

[54] **PROCESS FOR MAKING LIGNIN COMPOSITION**

[54] **PROCEDE DE FABRICATION D'UNE COMPOSITION DE LIGNINE**

[72] CARRICK, CHRISTOPHER, SE  
[72] SAMEC, JOSEPH, SE  
[71] REN FUEL K2B AB, SE  
[85] 2018-05-18  
[86] 2016-10-19 (PCT/EP2016/075056)  
[87] (WO2017/084824)  
[30] SE (1551502-6) 2015-11-20  
[30] SE (1650032-4) 2016-01-13

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[21] **3,005,773**  
[13] A1

[51] **Int.Cl. G01N 23/20 (2018.01) G10K 15/00 (2006.01)**

[25] EN

[54] **A SYSTEM AND A METHOD FOR RESOLVING A CRYSTAL STRUCTURE OF A CRYSTAL AT ATOMIC RESOLUTION BY COLLECTING X-RAY DIFFRACTION IMAGES**

[54] **SYSTEME ET PROCEDE PERMETTANT DE RESOUDRE UNE STRUCTURE CRISTALLINE D'UN CRISTAL A UNE RESOLUTION ATOMIQUE PAR COLLECTE D'IMAGES DE DIFFRACTION DES RAYONS X**

[72] TOMIZAKI, TAKASHI, CH  
[72] TSUJINO, SOICHIRO, CH  
[71] PAUL SCHERRER INSTITUT, CH  
[85] 2018-05-18  
[86] 2016-10-28 (PCT/EP2016/076032)  
[87] (WO2017/089069)  
[30] EP (15195946.7) 2015-11-24

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[21] **3,005,774**  
[13] A1

[51] **Int.Cl. C07D 407/12 (2006.01) A61K 31/351 (2006.01) A61P 31/16 (2006.01) C07D 407/14 (2006.01) C07K 9/00 (2006.01)**

[25] EN

[54] **COMPOUNDS FOR MEDICINAL APPLICATIONS**

[54] **COMPOSES POUR APPLICATIONS MEDICALES**

[72] JIN, BETTY, AU  
[72] SEAH, EE-LING, AU  
[72] JONES, PAUL ARTHUR, AU  
[72] JENKINS, PETER JAMES, AU  
[72] WINDLE, HENRY KENNETH, AU  
[72] WU, WEN YANG, AU  
[71] AUSTRALIAN BIOMEDICAL CO. PTY LTD, AU  
[85] 2018-05-18  
[86] 2016-11-16 (PCT/AU2016/051100)  
[87] (WO2017/083914)  
[30] AU (2015904895) 2015-11-20

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[21] **3,005,775**  
[13] A1

[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/485 (2006.01) A61P 25/04 (2006.01)**

[25] EN

[54] **ABUSE RESISTANT TRANSDERMAL DELIVERY DEVICES AND COMPOSITIONS COMPRISING AN OPIOID AGONIST AND A NON-TRANSDERMALLY DELIVERED N-OXIDE DERIVATIVE OF AN OPIOID ANTAGONIST FOR THE TREATMENT OF PAIN**

[54] **DISPOSITIFS D'ADMINISTRATION TRANSDERMATIQUES RESISTANTS AUX ABUS ET COMPOSITIONS COMPRENANT UN AGONISTE D'OPIOIDE ET UN DERIVE N-OXYDE ADMINISTRE PAR VOIE NON TRANSDERMIQUE D'UN ANTAGONISTE D'OPIOIDE POUR LE TRAITEMENT DE LA DOULEUR**

[72] WHITELOCK, STEVE, GB  
[71] EURO-CELTIQUE S.A., LU  
[85] 2018-05-18  
[86] 2016-11-18 (PCT/GB2016/053600)  
[87] (WO2017/085502)  
[30] GB (1520390.4) 2015-11-19

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[21] **3,005,776**  
[13] A1

[51] **Int.Cl. F02M 25/08 (2006.01)**

[25] EN

[54] **APPARATUS FOR REDUCING HYDROCARBON EMISSIONS FROM VEHICLES**

[54] **APPAREIL PERMETTANT DE REDUIRE LES EMISSIONS D'HYDROCARBURES PROVENANT DE VEHICULES**

[72] HUYNH, THO TRUONG, GB  
[71] HUYNH, THO TRUONG, GB  
[85] 2018-05-18  
[86] 2016-11-04 (PCT/GB2016/053431)  
[87] (WO2017/077316)  
[30] GB (1519619.9) 2015-11-06

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[21] **3,005,777**  
[13] A1

[51] **Int.Cl. B26B 19/38 (2006.01) B26B 19/44 (2006.01)**

[25] FR

[54] **TONDEUSE AVEC COLLECTEUR DE POILS**

[54] **TRIMMER WITH HAIR COLLECTOR**

[72] JULEMONT, PIERRE, BE  
[72] SMAL, OLIVIER, BE  
[71] BABYLISS FACO SPRL, BE  
[85] 2018-05-18  
[86] 2016-11-04 (PCT/EP2016/076733)  
[87] (WO2017/084897)  
[30] EP (15195159.7) 2015-11-18

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[21] **3,005,778**  
[13] A1

[51] **Int.Cl. A47F 3/04 (2006.01)**

[25] EN

[54] **IMPROVEMENTS IN REFRIGERATORS**

[54] **AMELIORATIONS DE REFRIGERATEURS**

[72] MCANDREW, PAUL FRANCIS, GB  
[72] BURKE, MATTHEW PIERS, GB  
[72] TURNER, IAN STUART, GB  
[71] AEROFOIL ENERGY LIMITED, GB  
[85] 2018-05-18  
[86] 2016-11-24 (PCT/GB2016/053698)  
[87] (WO2017/089812)  
[30] GB (1520795.4) 2015-11-25

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[21] **3,005,779**  
[13] A1

[51] **Int.Cl. C07D 519/00 (2006.01) A61K 31/424 (2006.01) A61K 31/43 (2006.01) A61K 31/439 (2006.01) A61K 31/546 (2006.01) A61K 31/69 (2006.01) A61P 31/04 (2006.01)**

[25] EN

[54] **CEPHEM COMPOUNDS, THEIR PRODUCTION AND USE**

[54] **COMPOSES DE CEPHEME, LEUR PREPARATION ET UTILISATION**

[72] MAITI, SAMARENDRA NATH, CA

[72] NGUYEN, DAI QUOC, CA

[72] REDDY, ANDHE V.N., CA

[72] HA, CHAN MINH, CA

[72] LING, RONG, CA

[72] SHAN, RUDONG, CA

[72] MADALA, MADHAVA REDDY, CA

[72] YIP, JUDY, CA

[71] NAEJA-RGM PHARMACEUTICALS ULC, CA

[85] 2018-05-18

[86] 2016-12-05 (PCT/CA2016/051428)

[87] (WO2017/096472)

[30] US (62/265,625) 2015-12-10

[21] **3,005,781**  
[13] A1

[51] **Int.Cl. A61K 35/744 (2015.01) A61P 35/00 (2006.01) C12N 1/00 (2006.01)**

[25] EN

[54] **COMPOSITIONS COMPRISING BACTERIAL STRAINS**

[54] **COMPOSITIONS COMPRENANT DES SOUCHES BACTERIENNES**

[72] MULDER, IMKE ELISABETH, GB

[72] HOLT, AMY BETH, GB

[72] PANZICA, DOMENICO, GB

[72] MCCLUSKEY, SEANIN MARIE, GB

[71] 4D PHARMA RESEARCH LIMITED, GB

[85] 2018-05-18

[86] 2016-11-21 (PCT/GB2016/053622)

[87] (WO2017/085520)

[30] GB (1520502.4) 2015-11-20

[30] GB (1604924.9) 2016-03-23

[21] **3,005,782**  
[13] A1

[51] **Int.Cl. A61B 8/00 (2006.01) A61B 34/20 (2016.01) A61B 8/13 (2006.01)**

[25] EN

[54] **NEUROSURGICAL MRI-GUIDED ULTRASOUND VIA MULTI-MODAL IMAGE REGISTRATION AND MULTI-SENSOR FUSION**

[54] **ENREGISTREMENT D'IMAGE MULTIMODALE NEUROCHIRURGICALE PAR ULTRASON GUIDES PAR IRM ET FUSION DE CAPTEURS MULTIPLES**

[72] PARDASANI, UTSAV, CA

[72] KHAN, ALI, CA

[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB

[85] 2018-05-18

[86] 2015-11-19 (PCT/IB2015/058984)

[87] (WO2017/085532)

[21] **3,005,784**  
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01)**

[25] EN

[54] **LACTOFERRIN FOR USE IN THE DIAGNOSIS OR PROGNOSIS OF ALZHEIMER'S DISEASE, OR IN THE DIAGNOSIS OF PARKINSON'S DISEASE**

[54] **LACTOFERRINE POUR UTILISATION DANS LE DIAGNOSTIC OU LE PRONOSTIC DE LA MALADIE D'ALZHEIMER, OU DANS LE DIAGNOSTIC DE LA MALADIE DE PARKINSON**

[72] CARRO DIAZ, EVA MARIA, ES

[71] GEROA DIAGNOSTICS, S.L., ES

[85] 2018-05-18

[86] 2016-11-17 (PCT/EP2016/078060)

[87] (WO2017/085214)

[30] EP (15195662.0) 2015-11-20

[21] **3,005,785**  
[13] A1

[51] **Int.Cl. B65D 75/58 (2006.01) B65D 75/52 (2006.01)**

[25] EN

[54] **STICK PACK DESIGN**

[54] **CONFIGURATION DE PAQUET DE BAGUETTES**

[72] VALENTI, MICHAEL, US

[72] TATAPUDY, HANUMANTHARAO, US

[72] BORDEAU, JOHN, US

[72] HAEHL, KEVIN, US

[71] UNITHER PHARMACEUTICALS, FR

[85] 2018-05-18

[86] 2016-11-22 (PCT/IB2016/001812)

[87] (WO2017/089896)

[30] US (62/259,808) 2015-11-25

[21] **3,005,786**  
[13] A1

[51] **Int.Cl. F16L 5/00 (2006.01) B64C 1/40 (2006.01) F16B 9/02 (2006.01) F16L 3/20 (2006.01)**

[25] EN

[54] **GROMMET**

[54] **ILLET**

[72] BRAIS, SYLVAIN, CA

[72] DESJARDINS, MATHIEU, CA

[71] BOMBARDIER INC., CA

[85] 2018-05-18

[86] 2016-11-15 (PCT/IB2016/056873)

[87] (WO2017/089926)

[30] US (62/258,690) 2015-11-23

[21] **3,005,787**  
[13] A1

[51] **Int.Cl. B64D 33/02 (2006.01) B24C 1/04 (2006.01) B32B 3/12 (2006.01) B32B 3/26 (2006.01) B32B 7/12 (2006.01) G03F 7/00 (2006.01)**

[25] EN

[54] **METHODS, PRECURSORS AND ABRASIVE BLASTING MASKS FOR MANUFACTURING NOISE ATTENUATING DEVICES**

[54] **PROCEDES, PRECURSEURS ET MASQUES DE DECAPAGE PAR PROJECTION D'ABRASIFS DESTINES A LA FABRICATION DE DISPOSITIFS ATTENUATEURS DE BRUIT**

[72] SIMPSON, DEREK, GB

[72] MILLAR, TONY, GB

[71] SHORT BROTHERS PLC, GB

[85] 2018-05-18

[86] 2016-11-22 (PCT/GB2016/053624)

[87] (WO2017/093710)

[30] GB (1521075.0) 2015-11-30

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[21] **3,005,788**  
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**  
[25] EN  
[54] **ELECTRICALLY-POWERED AEROSOL DELIVERY SYSTEM**  
[54] **SYSTEME DE DISTRIBUTION D'AEROSOL ELECTRIQUE**  
[72] SEARS, STEPHEN BENSON, US  
[72] TALUSKIE, KAREN V., US  
[72] DAVIS, MICHAEL F., US  
[72] ADEME, BALAGER, US  
[72] HUBBARD, SAWYER AUSTIN, US  
[71] R. J. REYNOLDS TOBACCO COMPANY, US  
[85] 2018-05-18  
[86] 2016-11-18 (PCT/IB2016/056979)  
[87] (WO2017/089939)  
[30] US (14/950,724) 2015-11-24

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[21] **3,005,790**  
[13] A1

[51] **Int.Cl. A61B 8/13 (2006.01) A61B 5/026 (2006.01) A61B 8/14 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR AUTOMATED FLUID RESPONSE MEASUREMENT**  
[54] **SYSTEMES ET PROCEDES POUR MESURE DE REPONSE DE FLUIDE AUTOMATISEE**  
[72] EIBL, JOSEPH, CA  
[72] KENNY, JON-EMILE, US  
[72] MAGNIN, PAUL, US  
[72] EIBL, ANDREW, CA  
[71] 1929803 ONTARIO CORP. D/B/A KE2 TECHNOLOGIES, CA  
[85] 2018-05-18  
[86] 2016-12-09 (PCT/CA2016/051451)  
[87] (WO2017/096487)  
[30] US (62/265,682) 2015-12-10

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[21] **3,005,791**  
[13] A1

[51] **Int.Cl. G06F 19/18 (2011.01) G06F 19/22 (2011.01)**  
[25] EN  
[54] **METHODS FOR DETECTING COPY-NUMBER VARIATIONS IN NEXT-GENERATION SEQUENCING**  
[54] **PROCEDES POUR DETECTER DES VARIATIONS DU NOMBRE DE COPIES DANS UN SEQUENCAGE DE NOUVELLE GENERATION**  
[72] IVANOV, DMITRI, CH  
[72] XU, ZHENYU, CH  
[71] SOPHIA GENETICS S.A., CH  
[85] 2018-05-18  
[86] 2016-11-18 (PCT/EP2016/078113)  
[87] (WO2017/085243)  
[30] US (62/256,748) 2015-11-18

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[21] **3,005,792**  
[13] A1

[51] **Int.Cl. F03B 13/14 (2006.01)**  
[25] EN  
[54] **AN APPARATUS FOR POWER GENERATION FROM THE SURFACE OCEAN WAVES IN DEEP SEAS**  
[54] **APPAREIL DESTINE A GENERER DE L'ELECTRICITE A PARTIR DES VAGUES OCEANIQUES DE SURFACE EN MERS PROFONDES**  
[72] AVADHUTA, PRUTHVI RAJ, CA  
[71] AVADHUTA, PRUTHVI RAJ, CA  
[85] 2018-05-18  
[86] 2016-11-17 (PCT/IB2016/056908)  
[87] (WO2017/085647)  
[30] IN (6213/CHE/2015) 2015-11-18

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[21] **3,005,794**  
[13] A1

[51] **Int.Cl. A61K 35/74 (2015.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01)**  
[25] EN  
[54] **COMPOSITIONS COMPRISING BACTERIAL STRAINS**  
[54] **COMPOSITIONS COMPRENANT DES SOUCHES BACTERIENNES**  
[72] MULDER, IMKE ELISABETH, GB  
[72] HOLT, AMY BETH, GB  
[72] MCCLUSKEY, SEANIN MARIE, GB  
[72] LENNON, GRAINNE CLARE, GB  
[72] AHMED, SUAAD, GB  
[71] 4D PHARMA RESEARCH LIMITED, GB  
[85] 2018-05-18  
[86] 2016-11-23 (PCT/GB2016/053677)  
[87] (WO2017/089795)  
[30] GB (1520638.6) 2015-11-23

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[21] **3,005,795**  
[13] A1

[51] **Int.Cl. G02C 7/02 (2006.01)**  
[25] EN  
[54] **METHOD FOR DESIGNING A LENS SHAPE AND SPECTACLE LENS**  
[54] **PROCEDE DE CONCEPTION D'UNE FORME DE VERRE ET VERRE DE LUNETTES**  
[72] SPRATT, RAY STEVEN, US  
[72] ELLINGER, PHILIPP, AU  
[72] WIETSCHORKE, HELMUT, DE  
[72] NOLAN, ANGELA, AU  
[72] VARNAS, SAULIUS, AU  
[71] CARL ZEISS VISION INTERNATIONAL GMBH, DE  
[85] 2018-05-18  
[86] 2016-11-18 (PCT/EP2016/078155)  
[87] (WO2017/089239)  
[30] US (62/258,919) 2015-11-23  
[30] US (15/056,792) 2016-02-29

## PCT Applications Entering the National Phase

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[21] **3,005,796**  
[13] A1

[51] **Int.Cl. A61M 16/00 (2006.01) A61H 31/00 (2006.01) A61M 16/20 (2006.01)**

[25] EN

[54] **HUFF COUGH SIMULATION DEVICE**

[54] **DISPOSITIF DE SIMULATION DE TOUX A EXPIRATION PROLONGEE**

[72] COSTELLA, STEPHEN, CA  
[72] MORTON, ROBERT, CA  
[72] SCHMIDT, JAMES, CA  
[71] TRUDELL MEDICAL INTERNATIONAL, CA

[85] 2018-05-18  
[86] 2016-12-02 (PCT/IB2016/057311)  
[87] (WO2017/093966)  
[30] US (62/263,263) 2015-12-04

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[21] **3,005,798**  
[13] A1

[51] **Int.Cl. A61F 9/007 (2006.01)**

[25] EN

[54] **DEVICES AND METHODS FOR A CANNULA-DELIVERED TREATMENT MATERIAL APPLICATION DEVICE**

[54] **DISPOSITIFS ET METHODES POUR DISPOSITIF D'APPLICATION DE MATERIAU DE TRAITEMENT ADMINISTRE PAR CANULE**

[72] GUNN, NICHOLAS MAX, US  
[72] KASHANI, POORIA SHARIF, US  
[72] JOHNSON, ANDREW DAVID, US  
[71] NOVARTIS AG, CH

[85] 2018-05-18  
[86] 2016-12-14 (PCT/IB2016/057625)  
[87] (WO2017/103818)  
[30] US (62/268,009) 2015-12-16

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[21] **3,005,799**  
[13] A1

[51] **Int.Cl. H01M 10/0569 (2010.01) H01M 4/485 (2010.01) H01M 4/58 (2010.01)**

[25] EN

[54] **SILANE FUNCTIONALIZED IONIC LIQUIDS**

[54] **LIQUIDES IONIQUES FONCTIONNALISES AU SILANE**

[72] MOGANTY, SURYA, US  
[72] TORRES, GABRIEL, US  
[72] ABBATE, LUIGI, US  
[72] SINICROPI, JOHN, US  
[72] ZHU, XIAOJING, US  
[71] NOHMS TECHNOLOGIES, INC., US

[85] 2018-05-17  
[86] 2016-12-14 (PCT/US2016/066498)  
[87] (WO2017/106250)  
[30] US (62/266,761) 2015-12-14  
[30] US (62/266,767) 2015-12-14  
[30] US (62/266,773) 2015-12-14

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[21] **3,005,800**  
[13] A1

[51] **Int.Cl. F02M 35/10 (2006.01) F02M 35/104 (2006.01)**

[25] EN

[54] **AIR INTAKE DEVICE FOR INTERNAL COMBUSTION ENGINE**

[54] **DISPOSITIF D'ADMISSION D'AIR POUR MOTEUR A COMBUSTION INTERNE**

[72] OOKI, OSAMU, JP  
[72] IJIMA, KAZUKI, JP  
[71] NISSAN MOTOR CO., LTD., JP

[85] 2018-05-18  
[86] 2015-11-19 (PCT/JP2015/082485)  
[87] (WO2017/085823)

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[21] **3,005,801**  
[13] A1

[51] **Int.Cl. G06F 17/50 (2006.01) B01F 5/00 (2006.01) F15D 1/02 (2006.01)**

[25] EN

[54] **TURBULENCE-GENERATING GRID AND METHOD OF DESIGN AND MANUFACTURE THEREFOR**

[54] **GRILLE GENERATRICE DE TURBULENCES ET SON PROCEDE DE CONCEPTION ET DE FABRICATION**

[72] VASSILICOS, JOHN CHRISTOS, GB  
[72] BRUCE, PAUL JOHN KENNETH, GB  
[72] ZHENG, SHAOKAI, GB  
[72] GRAHAM, JOHN MICHAEL RUSSELL, GB

[71] IMPERIAL INNOVATIONS LTD, GB

[85] 2018-05-18  
[86] 2016-11-18 (PCT/EP2016/078209)  
[87] (WO2017/085298)  
[30] GB (1520479.5) 2015-11-20

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[21] **3,005,803**  
[13] A1

[51] **Int.Cl. B62K 5/10 (2013.01) B60G 17/015 (2006.01)**

[25] EN

[54] **LEANING VEHICLE**

[54] **VEHICULE INCLINABLE**

[72] HARA, NOBUO, JP  
[72] FUKUHARA, YUKIHIDE, JP  
[72] TOYOTA, TAKESHI, JP  
[72] NAGATA, TATSUYA, JP  
[71] YAMAHA HATSUDOKI KABUSHIKI KAISHA, JP

[85] 2018-05-18  
[86] 2016-11-16 (PCT/JP2016/083980)  
[87] (WO2017/086352)  
[30] JP (2015-227880) 2015-11-20

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[21] **3,005,804**  
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/30 (2006.01) G01N 33/50 (2006.01) G01N 33/569 (2006.01) G01N 33/574 (2006.01)**

[25] EN

[54] **METHODS OF IDENTIFYING IMMUNE CELLS IN PD-L1 POSITIVE TUMOR TISSUE**

[54] **METHODES D'IDENTIFICATION DE CELLULES IMMUNITAIRES DANS UN TISSU TUMORAL POSITIF PD-L1**

[72] BIRCH, CHANDLER MORGAN, US

[71] VENTANA MEDICAL SYSTEMS, INC., US

[85] 2018-05-18

[86] 2016-11-21 (PCT/EP2016/078237)

[87] (WO2017/085307)

[30] US (62/258,493) 2015-11-22

[21] **3,005,806**  
[13] A1

[51] **Int.Cl. C07C 237/26 (2006.01) A61L 27/54 (2006.01) C07C 231/12 (2006.01)**

[25] EN

[54] **SALTS OF TETRACYCLINES**

[54] **SELS DE TETRACYCLINES**

[72] SOBRAL, LUIS, PT

[72] SANTANA DE ARRUDA, LIVIA, BR

[72] FIGUEIREDO, MARGARIDA, PT

[72] ANTUNES, RAFAEL, PT

[72] FILIPE, ANA PAULA, PT

[71] HOVIONE SCIENTIA LIMITED, IE

[85] 2018-05-18

[86] 2016-11-24 (PCT/GB2016/053695)

[87] (WO2017/089809)

[30] PT (108978) 2015-11-24

[21] **3,005,807**  
[13] A1

[51] **Int.Cl. B62K 5/10 (2013.01) B62J 99/00 (2009.01) B60G 17/015 (2006.01) B62K 25/08 (2006.01)**

[25] EN

[54] **LEANING VEHICLE**

[54] **VEHICULE A INCLINAISON**

[72] HARA, NOBUO, JP

[72] FUKUHARA, YUKIHIDE, JP

[72] TOYOTA, TAKESHI, JP

[72] NAGATA, TATSUYA, JP

[71] YAMAHA HATSUDOKI KABUSHIKI KAISHA, JP

[85] 2018-05-18

[86] 2016-11-16 (PCT/JP2016/083978)

[87] (WO2017/086350)

[30] JP (2015-227878) 2015-11-20

[21] **3,005,808**  
[13] A1

[51] **Int.Cl. B29B 11/14 (2006.01)**

[25] FR

[54] **PREFORM WITH A CONCAVE BOTTOM AND AN EVOLVING THICKNESS**

[54] **PREFORME A FOND CONCAVE A EPAISSEUR EVOLUTIVE**

[72] BUNEL, CHRISTOPHE, FR

[71] SIDEL PARTICIPATIONS, FR

[85] 2018-05-18

[86] 2016-11-17 (PCT/FR2016/052980)

[87] (WO2017/103361)

[30] FR (1562520) 2015-12-16

[21] **3,005,809**  
[13] A1

[51] **Int.Cl. C07D 401/10 (2006.01) A61K 31/513 (2006.01) A61P 33/06 (2006.01) C07D 403/10 (2006.01) C07D 417/10 (2006.01) C07D 471/04 (2006.01)**

[25] EN

[54] **IMINOTETRAHYDROPYRIMIDIN ONE DERIVATIVES AS PLASMEPSIN V INHIBITORS**

[54] **DERIVES D'IMINOTETRAHYDROPYRIMIDINONE UTILISES COMME INHIBITEURS DE PLASMEPSINE V**

[72] CHARLTON, REBECCA LOUISE, GB

[72] DE HARO GARCIA, TERESA, GB

[72] LOWE, MARTIN ALEXANDER, GB

[72] MACCOSS, MALCOLM, US

[72] MORGAN, TREVOR, GB

[72] TAYLOR, RICHARD DAVID, GB

[72] ZHU, ZHAONING, GB

[71] UCB BIOPHARMA SPRL, BE

[85] 2018-05-18

[86] 2016-11-24 (PCT/EP2016/078664)

[87] (WO2017/089453)

[30] GB (1520808.5) 2015-11-25

[30] GB (1612944.7) 2016-07-26

[21] **3,005,810**  
[13] A1

[51] **Int.Cl. C22B 1/245 (2006.01) C22B 34/12 (2006.01)**

[25] EN

[54] **IMPROVED ILMENITE SMELTING PROCESS**

[54] **PROCEDE DE FUSION D'ILMENITE AMELIORE**

[72] BISAKA, KABWIKA, ZA

[72] GOSO, XOLISA, ZA

[72] THOBADI, ITUMELENG, ZA

[71] MINTEK, ZA

[85] 2018-05-17

[86] 2016-11-18 (PCT/ZA2016/050049)

[87] (WO2017/087997)

[30] ZA (2015/08501) 2015-11-18

[21] **3,005,811**  
[13] A1

[51] **Int.Cl. A61K 45/00 (2006.01) A61K 31/381 (2006.01) A61P 1/16 (2006.01) A61P 43/00 (2006.01) C07D 333/36 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION FOR TREATMENT OR PREVENTION OF NASH**

[54] **COMPOSITION PHARMACEUTIQUE POUR TRAITER OU PREVENIR LA STEATOHEPATITE NON ALCOOLIQUE (NASH)**

[72] NISHIKAWA, KENJI, JP

[72] MATSUNAGA, HIROFUMI, JP

[72] SHINOHARA, YUUKO, JP

[72] OKANARI, EIJI, JP

[72] USHIYAMA, SHIGERU, JP

[72] NONOUCHI, SHINPEI, JP

[71] UBE INDUSTRIES, LTD., JP

[85] 2018-05-18

[86] 2016-11-18 (PCT/JP2016/084227)

[87] (WO2017/086430)

[30] JP (2015-227468) 2015-11-20

[30] JP (2016-111944) 2016-06-03

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[21] **3,005,812**  
[13] A1

[51] **Int.Cl. B62K 5/05 (2013.01) B62K 5/10 (2013.01) B62K 5/08 (2006.01) B62K 21/00 (2006.01)**

[25] EN  
[54] **LEANING VEHICLE**  
[54] **VEHICULE INCLINABLE**  
[72] HARA, NOBUO, JP  
[72] FUKUHARA, YUKIHIDE, JP  
[72] TOYOTA, TAKESHI, JP  
[72] NAGATA, TATSUYA, JP  
[71] YAMAHA HATSUDOKI KABUSHIKI KAISHA, JP  
[85] 2018-05-18  
[86] 2016-11-18 (PCT/JP2016/084349)  
[87] (WO2017/086472)  
[30] JP (2015-228014) 2015-11-20

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[21] **3,005,813**  
[13] A1

[51] **Int.Cl. C07K 14/47 (2006.01)**

[25] EN  
[54] **NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST CLL AND OTHER CANCERS**  
[54] **NOUVEAUX PEPTIDES ET COMBINAISON DE PEPTIDES A UTILISER EN IMMUNOTHERAPIE CONTRE LA CLL ET D'AUTRES CANCERS**

[72] MAHR, ANDREA, DE  
[72] WEINSCHENK, TONI, DE  
[72] WIEBE, ANITA, DE  
[72] SCHOOR, OLIVER, DE  
[72] FRITSCH, JENS, DE  
[72] SINGH, HARPREET, US  
[71] IMMATICS BIOTECHNOLOGIES GMBH, DE  
[85] 2018-05-18  
[86] 2016-11-24 (PCT/EP2016/078718)  
[87] (WO2017/097602)  
[30] GB (1521746.6) 2015-12-10  
[30] US (62/265,615) 2015-12-10

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[21] **3,005,814**  
[13] A1

[51] **Int.Cl. C12N 7/04 (2006.01) A61K 39/12 (2006.01) A61P 31/14 (2006.01) C12N 7/08 (2006.01)**

[25] EN  
[54] **LIVE VIRUS HAVING A BANK OF DENGUE VIRUS ATTENUATED STRAINS, AND A DENGUE VACCINE CONTAINING SAME AS ANTIGENS**  
[54] **VIRUS VIVANT COMPRENANT UNE BANQUE DE SOUCHES ATTENUÉES DU VIRUS DE LA DENGUE, ET VACCIN CONTRE LA DENGUE CONTENANT CE DERNIER COMME ANTIGENES**

[72] SONODA, KENGO, JP  
[72] SHINMURA, YASUHIKO, JP  
[72] YAMAORI, SUSUMU, JP  
[72] ABE, MOTOHARU, JP  
[72] MARUNO, SHINICHI, JP  
[72] TAKAGI, SHOTA, JP  
[72] HAYASHI, YASUHISA, JP  
[72] KAMEYAMA, KAZUHISA, JP  
[72] KOMURA, FUSAE, JP  
[72] FUKUDA, AKI, JP  
[72] UCHIDA, NAOMI, JP  
[72] YOSHIMURA, MASAYA, JP  
[71] THE CHEMO-SERO-THERAPEUTIC RESEARCH INSTITUTE, JP  
[85] 2018-05-18  
[86] 2016-11-25 (PCT/JP2016/085077)  
[87] (WO2017/090762)  
[30] JP (2015-232013) 2015-11-27

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[21] **3,005,815**  
[13] A1

[51] **Int.Cl. G01N 33/574 (2006.01)**

[25] FR  
[54] **METHOD FOR DETECTING CANCER STEM CELLS**  
[54] **METHODE DE DETECTION DE CELLULES SOUCHES CANCEREUSES**

[72] LACROIX, AURELIE, FR  
[72] MATHONNET, MURIEL, FR  
[72] LALLOUE, FABRICE, FR  
[72] JAUBERTEAU, MARIE-ODILE, FR  
[71] UNIVERSITE DE LIMOGES, FR  
[85] 2018-05-18  
[86] 2016-12-02 (PCT/FR2016/053196)  
[87] (WO2017/093696)  
[30] FR (1561763) 2015-12-02

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[21] **3,005,817**  
[13] A1

[51] **Int.Cl. A01N 47/12 (2006.01) A01N 25/04 (2006.01) A01N 25/24 (2006.01) A01N 25/30 (2006.01) A01P 3/00 (2006.01)**

[25] EN  
[54] **AQUEOUS SUSPENSION AGROCHEMICAL COMPOSITION**  
[54] **COMPOSITION AGROCHIMIQUE EN SUSPENSION AQUEUSE**

[72] YAMAZAKI, TOSHINOBU, JP  
[72] SUGIMURA, TOSHIO, JP  
[72] OZAKI, KOICHI, JP  
[71] KUMIAI CHEMICAL INDUSTRY CO., LTD., JP  
[85] 2018-05-18  
[86] 2016-11-28 (PCT/JP2016/085218)  
[87] (WO2017/094676)  
[30] JP (2015-234178) 2015-11-30

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[21] **3,005,818**  
[13] A1

[51] **Int.Cl. H01L 31/08 (2006.01) H01L 31/107 (2006.01) H01L 31/112 (2006.01)**

[25] EN  
[54] **A QUANTUM DOT PHOTODETECTOR APPARATUS AND ASSOCIATED METHODS**  
[54] **APPAREIL DE PHOTODETECTEUR A POINTS QUANTIQUES ET PROCEDES ASSOCIES**

[72] KALLIIONEN, SAMI SEPPO ANTERO, FI  
[72] VOUTILAINEN, MARTTI KALEVI, FI  
[71] EMBERION OY, FI  
[85] 2018-05-18  
[86] 2016-11-24 (PCT/EP2016/078730)  
[87] (WO2017/093124)  
[30] EP (15196932.6) 2015-11-30

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[21] **3,005,819**  
[13] A1

[51] **Int.Cl. E21B 43/00 (2006.01) E21B 41/00 (2006.01) G05B 17/02 (2006.01) G06F 9/455 (2018.01)**

[25] EN

[54] **METHOD FOR IMPROVING RESERVOIR PERFORMANCE BY USING DATA SCIENCE**

[54] **PROCEDE D'AMELIORATION DES PERFORMANCES D'UN RESERVOIR GRACE A LA SCIENCE DES DONNEES**

[72] PRIYADARSHY, SATYAM, US

[71] LANDMARK GRAPHICS CORPORATION, US

[85] 2018-05-18

[86] 2015-12-22 (PCT/US2015/067508)

[87] (WO2017/111964)

[21] **3,005,820**  
[13] A1

[51] **Int.Cl. G01N 33/574 (2006.01) C12N 5/095 (2010.01)**

[25] FR

[54] **METHOD FOR ISOLATING CANCER STEM CELLS**

[54] **METHODE D'ISOLEMENT DE CELLULES SOUCHES CANCEREUSES**

[72] LACROIX, AURELIE, FR

[72] VARNAT, FREDERIC, FR

[72] MICALLEF, LUDOVIC, FR

[72] LALLOUE, FABRICE, FR

[72] JAUBERTEAU, MARIE-ODILE, FR

[71] UNIVERSITE DE LIMOGES, FR

[85] 2018-05-18

[86] 2016-12-02 (PCT/FR2016/053197)

[87] (WO2017/093697)

[30] FR (1561764) 2015-12-02

[21] **3,005,821**  
[13] A1

[51] **Int.Cl. A47C 16/00 (2006.01) F16M 13/04 (2006.01)**

[25] EN

[54] **CHEST-MOUNTED SUPPORT DEVICE**

[54] **DISPOSITIF DE SUPPORT PECTORAL**

[72] SITZMANN, BEAU, US

[71] SITZMANN TOOLS, LLC, US

[85] 2018-05-18

[86] 2015-11-24 (PCT/US2015/062313)

[87] (WO2016/085922)

[30] US (62/085,214) 2014-11-26

[30] US (62/146,095) 2015-04-10

[21] **3,005,822**  
[13] A1

[51] **Int.Cl. F03D 80/40 (2016.01) F03D 17/00 (2016.01)**

[25] EN

[54] **METHOD AND DEVICE FOR OPERATING A WIND TURBINE**

[54] **PROCEDE ET DISPOSITIF POUR FAIRE FONCTIONNER UNE EOLIENNE**

[72] MULLER, MATHIAS, DE

[72] SCHUBERT, MATTHIAS, DE

[72] MAI, MANUEL, DE

[71] FOS4X GMBH, DE

[85] 2018-05-18

[86] 2016-12-05 (PCT/EP2016/079761)

[87] (WO2017/102404)

[30] DE (10 2015 121 981.6) 2015-12-16

[21] **3,005,823**  
[13] A1

[51] **Int.Cl. B62K 5/10 (2013.01) B62J 99/00 (2009.01) B60G 17/015 (2006.01) B62K 25/08 (2006.01)**

[25] EN

[54] **LEANING VEHICLE**

[54] **VEHICULE A INCLINAISON**

[72] HARA, NOBUO, JP

[72] FUKUHARA, YUKIHIRO, JP

[72] TOYOTA, TAKESHI, JP

[72] NAGATA, TATSUYA, JP

[71] YAMAHA HATSUDOKI KABUSHIKI KAISHA, JP

[85] 2018-05-18

[86] 2016-11-16 (PCT/JP2016/083979)

[87] (WO2017/086351)

[30] JP (2015-227879) 2015-11-20

[21] **3,005,825**  
[13] A1

[51] **Int.Cl. E21B 44/00 (2006.01) G05B 19/02 (2006.01) G06F 19/00 (2018.01)**

[25] EN

[54] **DRILLING CONTROL BASED ON BRITTLENESS INDEX CORRELATION**

[54] **COMMANDE DE FORAGE SUR LA BASE D'UNE CORRELATION AVEC L'INDICE DE FRAGILITE**

[72] SAMUEL, ROBELLO, US

[72] LIU, ZHENGCHUN, US

[72] CHEN, YU, US

[72] HE, JIE, US

[71] LANDMARK GRAPHICS CORPORATION, US

[85] 2018-05-18

[86] 2015-12-31 (PCT/US2015/068320)

[87] (WO2017/116474)

[21] **3,005,827**  
[13] A1

[51] **Int.Cl. E21B 44/00 (2006.01) G05B 19/02 (2006.01) G06F 19/00 (2018.01)**

[25] EN

[54] **GEOSTEERING BASED ON AUTOMATED WELL PERFORMANCE PREDICTION**

[54] **GEODIRECTION FONDEE SUR UNE PREDICTION AUTOMATISEE DE PERFORMANCES DE Puits**

[72] SAMUEL, ROBELLO, US

[72] REDDY, UMESH N., US

[72] NUNNA, KRISHNA CHAITANYA, US

[72] PEREZ, PAOLA ALEJANDRA, US

[71] LANDMARK GRAPHICS CORPORATION, US

[85] 2018-05-18

[86] 2015-12-30 (PCT/US2015/068068)

[87] (WO2017/116436)

[21] **3,005,829**  
[13] A1

[51] **Int.Cl. C07K 1/30 (2006.01) A61K 38/36 (2006.01) B01J 20/08 (2006.01) C07K 1/34 (2006.01) C07K 1/36 (2006.01) C07K 14/75 (2006.01)**

[25] EN

[54] **METHOD FOR PURIFYING FIBRINOGEN**

[54] **PROCEDE DE PURIFICATION DE FIBRINOGENE**

[72] KIM, JUN SIC, KR

[72] KIM, HYO JIN, KR

[72] PARK, JI YOON, KR

[72] LEE, JU HO, KR

[72] SON, JAE WOON, KR

[72] SHIN, YONG WON, KR

[71] GREEN CROSS HOLDINGS CORPORATION, KR

[85] 2018-05-18

[86] 2017-01-12 (PCT/KR2017/000389)

[87] (WO2017/123012)

[30] KR (10-2016-0003475) 2016-01-12

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[21] **3,005,831**  
[13] A1

[51] **Int.Cl. C12Q 1/54 (2006.01) G06F 19/16 (2011.01)**  
[25] EN  
[54] **GLUCOSE BIOSENSORS AND USES THEREOF**  
[54] **BIOCAPTEURS DE GLUCOSE ET LEURS UTILISATIONS**  
[72] HELLINGA, HOMME W., US  
[72] ALLERT, MALIN J., US  
[71] DUKE UNIVERSITY, US  
[85] 2018-05-18  
[86] 2016-09-02 (PCT/US2016/050297)  
[87] (WO2017/087051)  
[30] US (62/257,796) 2015-11-20  
[30] US (62/257,784) 2015-11-20

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[21] **3,005,834**  
[13] A1

[51] **Int.Cl. C08F 122/10 (2006.01) C08G 75/045 (2016.01) C08K 5/37 (2006.01) C09D 133/12 (2006.01) C09D 181/00 (2006.01)**  
[25] EN  
[54] **CATALYTIC COMPOSITIONS AND THIOLENE-BASED COMPOSITIONS WITH EXTENDED POT LIFE**  
[54] **COMPOSITIONS CATALYTIQUES ET COMPOSITIONS A BASE DE THIOLENE A DUREE D'EMPLOI PROLONGEE**  
[72] MORAVEK, SCOTT J., US  
[72] BOWLES, STEVEN E., US  
[72] SCHWARTZMILLER, DAVINA J., US  
[72] POWELL, ADAM B., US  
[72] OLSON, KURT G., US  
[72] BALLARINO, MAURIZIO, IT  
[72] BERTOLI, MATTEO, IT  
[72] GIANELLINI, STEFANO, IT  
[72] ZIEGLER, TERRI L., US  
[71] PPG INDUSTRIES OHIO, INC., US  
[85] 2018-05-18  
[86] 2016-09-09 (PCT/US2016/051033)  
[87] (WO2017/087055)  
[30] US (14/945,492) 2015-11-19

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[21] **3,005,836**  
[13] A1

[51] **Int.Cl. G02B 6/44 (2006.01)**  
[25] EN  
[54] **OPTICAL FIBER CABLE WITH INTERNAL PERIODIC COUPLING STRUCTURE**  
[54] **CABLE OPTIQUE A STRUCTURE DE COUPLAGE PERIODIQUE INTERNE**  
[72] BLAZER, BRADLEY JEROME, US  
[72] CHEN, YANGBIN, US  
[72] CHIEN, CHING-KEE, US  
[72] GREENWOOD, JULIAN LATELLE, III, US  
[72] LAIL, JASON CLAY, US  
[72] MCALPINE, WARREN WELBORN, US  
[72] QUINN, CHRISTOPHER MARK, US  
[72] SEDDON, DAVID ALAN, US  
[71] CORNING OPTICAL COMMUNICATIONS LLC, US  
[85] 2018-05-18  
[86] 2016-10-19 (PCT/US2016/057615)  
[87] (WO2017/087114)  
[30] US (62/256,785) 2015-11-18

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[21] **3,005,838**  
[13] A1

[51] **Int.Cl. G01L 1/24 (2006.01) G01B 11/16 (2006.01) G01D 5/353 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR MONITORING STRAIN IN ROADWAY OPTICAL CABLE**  
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE DE DEFORMATION DANS UN CABLE OPTIQUE DE CHAUSSEE**  
[72] LOGAN, ERIC RAYMOND, US  
[72] MILLER, ALLEN MICHAEL, US  
[71] CORNING OPTICAL COMMUNICATIONS LLC, US  
[85] 2018-05-18  
[86] 2016-10-27 (PCT/US2016/059040)  
[87] (WO2017/087133)  
[30] US (62/256,735) 2015-11-18

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[21] **3,005,839**  
[13] A1

[51] **Int.Cl. G06F 19/18 (2011.01) G06F 19/24 (2011.01) G06F 19/26 (2011.01)**  
[25] EN  
[54] **METHODS AND SYSTEMS FOR ASSESSING INFERTILITY AS A RESULT OF DECLINING OVARIAN RESERVE AND FUNCTION**  
[54] **PROCEDES ET SYSTEMES PERMETTANT D'EVALUER LA STERILITE GRACE A LA BAISSSE DE LA RESERVE ET DE LA FONCTION OVARIENNES**  
[72] BEIM, PIRAYE YURTTAS, US  
[71] CELMATIX INC., US  
[85] 2018-05-18  
[86] 2016-10-19 (PCT/US2016/057776)  
[87] (WO2017/070258)  
[30] US (62/243,659) 2015-10-19

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[21] **3,005,842**  
[13] A1

[51] **Int.Cl. A61K 8/97 (2017.01) A61K 8/46 (2006.01)**  
[25] EN  
[54] **COMPOSITIONS CONTAINING NATURAL EXTRACTS AND USE THEREOF FOR SKIN AND HAIR**  
[54] **COMPOSITIONS CONTENANT DES EXTRAITS NATURELS ET LEUR UTILISATION POUR LA PEAU ET LES CHEVEUX**  
[72] SEIBERG, MIRI, US  
[71] SEIBERG CONSULTING, LLC, US  
[85] 2018-05-18  
[86] 2016-11-03 (PCT/US2016/060306)  
[87] (WO2017/087177)  
[30] US (62/256,803) 2015-11-18

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[21] **3,005,846**  
[13] A1

[51] **Int.Cl. H04L 5/00 (2006.01) H04W 4/00 (2018.01) H04W 74/08 (2009.01)**

[25] EN

[54] **NARROW BAND PRACH WITH MULTIPLE TONE HOPPING DISTANCES**

[54] **PRACH A BANDE ETROITE AVEC DISTANCES DE SAUT DE TONALITE MULTIPLES**

[72] WANG, RENQIU, US  
[72] XU, HAO, US  
[72] WANG, XIAO FENG, US  
[72] CHEN, WANSHI, US  
[72] GAAL, PETER, US  
[72] MONTOJO, JUAN, US  
[72] RICO ALVARINO, ALBERTO, US  
[72] FAKOORIAN, SEYED ALI AKBAR, US

[71] QUALCOMM INCORPORATED, US  
[85] 2018-05-18  
[86] 2016-11-11 (PCT/US2016/061483)  
[87] (WO2017/105693)  
[30] US (62/269,799) 2015-12-18  
[30] US (15/279,991) 2016-09-29

[21] **3,005,847**  
[13] A1

[51] **Int.Cl. A61B 5/103 (2006.01) A61B 5/11 (2006.01) A63B 24/00 (2006.01) A63B 69/00 (2006.01) A63F 9/24 (2006.01) G09B 19/00 (2006.01)**

[25] EN

[54] **BALANCE SENSORY AND MOTOR FEEDBACK MAT**

[54] **TAPIS DE FEED-BACK D'EQUILIBRE SENSORIEL ET MOTEUR**

[72] DEMARCH, ERICA, US  
[71] DEMARCH, ERICA, US  
[85] 2018-05-10  
[86] 2016-11-14 (PCT/US2016/061782)  
[87] (WO2017/083808)  
[30] US (62/253,820) 2015-11-11

[21] **3,005,849**  
[13] A1

[51] **Int.Cl. E02F 9/28 (2006.01)**

[25] EN

[54] **LOCK ASSEMBLY FOR GROUND ENGAGING TOOL**

[54] **ENSEMBLE VERROU POUR OUTIL DE PRISE AU SOL**

[72] JESKE, CLIFFORD OTTO, US  
[72] RIMMEY, BRIAN THOMAS, US  
[72] BJERKE, NATHAN, US  
[71] CATERPILLAR INC., US  
[85] 2018-05-18  
[86] 2016-11-11 (PCT/US2016/061576)  
[87] (WO2017/091367)  
[30] US (62/260,145) 2015-11-25  
[30] US (15/333,405) 2016-10-25

[21] **3,005,850**  
[13] A1

[51] **Int.Cl. C08K 3/00 (2018.01) C08K 3/22 (2006.01) C08L 63/00 (2006.01)**

[25] EN

[54] **STRUCTURAL ADHESIVE WITH IMPROVED CORROSION RESISTANCE**

[54] **ADHESIF STRUCTUREL PRESENTANT UNE RESISTANCE AMELIOREE A LA CORROSION**

[72] CURA, ELISABETH, DE  
[72] ELGIMIABI, SOHAIB, DE  
[71] 3M INNOVATIVE PROPERTIES COMPANY, US  
[85] 2018-05-18  
[86] 2016-11-14 (PCT/US2016/061761)  
[87] (WO2017/087295)  
[30] EP (15195394.0) 2015-11-19

[21] **3,005,851**  
[13] A1

[51] **Int.Cl. B32B 5/00 (2006.01) B32B 1/00 (2006.01) B32B 3/00 (2006.01) B32B 3/02 (2006.01) B32B 3/04 (2006.01) B32B 3/06 (2006.01) B32B 3/26 (2006.01) B32B 3/30 (2006.01) B32B 5/02 (2006.01) B32B 7/00 (2006.01) B32B 7/02 (2006.01) B32B 7/04 (2006.01) B32B 7/10 (2006.01) B32B 7/12 (2006.01) B32B 15/00 (2006.01) B32B 15/04 (2006.01) B32B 15/08 (2006.01) B32B 15/092 (2006.01) B32B 17/00 (2006.01) B32B 27/00 (2006.01) B32B 27/06 (2006.01) B32B 27/12 (2006.01) B32B 27/18 (2006.01) B32B 27/26 (2006.01) B32B 27/30 (2006.01) B32B 27/32 (2006.01) B32B 27/34 (2006.01) B32B 27/36 (2006.01) B32B 27/38 (2006.01)**

[25] EN

[54] **MULTILAYER STRUCTURAL ADHESIVE FILM**

[54] **FILM ADHESIF STRUCTURAL MULTICOUCHE**

[72] CURA, ELISABETH, DE  
[72] ELGIMIABI, SOHAIB, DE  
[72] LUEBBE, STEFAN, DE  
[72] SHINOZAKI, KOTARO, JP  
[72] UEDA, SAORI, JP  
[71] 3M INNOVATIVE PROPERTIES COMPANY, US  
[85] 2018-05-18  
[86] 2016-11-14 (PCT/US2016/061762)  
[87] (WO2017/087296)  
[30] EP (15195400.5) 2015-11-19

[21] **3,005,852**  
[13] A1

[51] **Int.Cl. B60B 19/04 (2006.01) B60B 19/00 (2006.01) B60B 25/00 (2006.01) B60C 7/00 (2006.01) B60C 7/08 (2006.01) B60C 7/24 (2006.01)**

[25] EN

[54] **COLLAPSIBLE WHEELS AND METHODS OF MAKING COLLAPSIBLE WHEELS**

[54] **ROUES PLIABLES ET PROCEDES DE FABRICATION DE ROUES PLIABLES**

[72] SOLHEIM, JOHN A., US  
[72] COLE, ERIC V., US  
[72] CLARK, NEIL J., US  
[71] KARSTEN MANUFACTURING CORPORATION, US  
[85] 2018-05-18  
[86] 2016-11-15 (PCT/US2016/062101)  
[87] (WO2017/087420)  
[30] US (14/945,577) 2015-11-19

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[21] **3,005,854**  
[13] A1

[51] **Int.Cl. E21B 17/00 (2006.01) E21B 7/08 (2006.01) E21B 17/02 (2006.01)**

[25] EN

[54] **DEGRADABLE CASING JOINTS FOR USE IN SUBTERRANEAN FORMATION OPERATIONS**

[54] **ACCOUPLLEMENTS DE TUBAGE DEGRADABLES DESTINES A ETRE UTILISES DANS DES OPERATIONS EN FORMATION SOUTERRAINE**

[72] HALL, COLTON CHADWICK, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2018-05-18

[86] 2016-02-09 (PCT/US2016/017135)

[87] (WO2017/138923)

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[21] **3,005,855**  
[13] A1

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

[25] EN

[54] **ANTIBODIES AGAINST GLUCOCORTICOID-INDUCED TUMOR NECROSIS FACTOR RECEPTOR (GITR) AND USES THEREOF**

[54] **ANTICORPS DIRIGES CONTRE UN RECEPTEUR DU FACTEUR DE NECROSE TUMORALE INDUIT PAR GLUCOCORTICOIDES (GITR) ET LEURS UTILISATIONS**

[72] WANG, CHANGYU, US

[72] LONBERG, NILS, US

[72] KORMAN, ALAN J., US

[72] SELBY, MARK J., US

[72] SRINIVASAN, MOHAN, US

[72] HENNING, KARLA A., US

[72] HAN, MICHELLE MINHUA, US

[72] CHEN, GUODONG, US

[72] HUANG, RICHARD, US

[72] CHAKRABORTY, INDRANI, US

[72] HUANG, HAICHUN, US

[72] WONG, SUSAN CHIEN-SZU, US

[72] LI, HUIMING, US

[72] BARNHART, BRYAN C., US

[72] YAMNIUK, AARON P., US

[72] LEI, MING, US

[72] SCHWEIZER, LIANG, CN

[72] HATCHER, SANDRA V., US

[72] RAJPAL, ARVIND, US

[71] BRISTOL-MYERS SQUIBB COMPANY, US

[85] 2018-05-18

[86] 2016-11-17 (PCT/US2016/062540)

[87] (WO2017/087678)

[30] US (62/257,599) 2015-11-19

[30] US (62/303,990) 2016-03-04

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[21] **3,005,858**  
[13] A1

[51] **Int.Cl. E21B 47/00 (2012.01) G01V 3/18 (2006.01) G01V 3/38 (2006.01)**

[25] EN

[54] **GENERATING AN EARTH MODEL FROM SPATIAL CORRELATIONS OF EQUIVALENT EARTH MODELS**

[54] **GENERATION D'UN MODELE TERRESTRE A PARTIR DE CORRELATIONS SPATIALES DE MODELES TERRESTRES EQUIVALENTS**

[72] WILSON, GLENN A., US

[72] DONDERICI, BURKAY, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2018-05-18

[86] 2016-02-16 (PCT/US2016/018016)

[87] (WO2017/142509)

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[21] **3,005,859**  
[13] A1

[51] **Int.Cl. B07C 5/36 (2006.01)**

[25] EN

[54] **SINGLE-STREAM SORTING SYSTEMS AND METHODS**

[54] **SYSTEMES ET PROCEDES DE TRI DE FLUX UNIQUE**

[72] ALSOP, DANNY E., SR., US

[71] ULTIMATE SPECIALTIES LLC, US

[85] 2018-05-18

[86] 2016-02-26 (PCT/US2016/019750)

[87] (WO2016/140876)

[30] US (62/127,017) 2015-03-02

[30] US (15/053,297) 2016-02-25

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[21] **3,005,861**  
[13] A1

[51] **Int.Cl. B01F 5/00 (2006.01)**

[25] EN

[54] **MEDIA MIXING CHAMBER**

[54] **CHAMBRE DE MELANGE DE MILIEU**

[72] FLETCHER, THOMAS REID, US

[71] IRVINE SCIENTIFIC SALES COMPANY, INC., US

[85] 2018-05-18

[86] 2016-08-11 (PCT/US2016/046603)

[87] (WO2017/087040)

[30] US (62/257,685) 2015-11-19

[30] US (15/087,826) 2016-03-31

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[21] **3,005,862**  
[13] A1

[51] **Int.Cl. C07D 249/08 (2006.01) C07D 401/06 (2006.01) C07D 403/06 (2006.01)**

[25] EN

[54] **4-((6-(2-(2,4-DIFLUOROPHENYL)-1,1-DIFLUORO-2-HYDROXY-3-(1H-1,2,4-TRIAZOL-1-YL)PROPYL)PYRIDIN-3-YL)OXY)BENZONITRILE AND PROCESSES OF PREPARATION**

[54] **4-((6-(2-(2,4-DIFLUOROPHENYL)-1,1-DIFLUORO-2-HYDROXY-3-(1H-1,2,4-TRIAZOL-1-YL)PROPYL)PYRIDIN-3-YL)OXY)BENZONITRILE ET PROCEDES DE PREPARATION**

[72] YANG, QIANG, US  
[72] HAO, YAN, US  
[72] RYAN, SARAH, US  
[72] WHITEKER, GREGORY, US  
[71] DOW AGROSCIENCES LLC, US  
[85] 2018-05-17  
[86] 2016-11-17 (PCT/US2016/062485)  
[87] (WO2017/087643)  
[30] US (62/256,531) 2015-11-17

[21] **3,005,864**  
[13] A1

[51] **Int.Cl. A61M 29/00 (2006.01) A61M 25/00 (2006.01) A61M 25/01 (2006.01) A61M 25/09 (2006.01)**

[25] EN

[54] **DILATOR WITH SLIT AND SLIDABLE SLEEVE**

[54] **DILATATEUR A FENTE ET A MANCHON COULISSANT**

[72] NATH, LYUNNI VENKATA SESA SAI, US

[71] SAINATH INTELLECTUAL PROPERTIES, LLC, US

[85] 2018-05-18  
[86] 2016-11-16 (PCT/US2016/062234)  
[87] (WO2017/087491)  
[30] US (62/257,509) 2015-11-19

[21] **3,005,865**  
[13] A1

[51] **Int.Cl. B29C 41/00 (2006.01) B29C 41/14 (2006.01)**

[25] EN

[54] **BREACH DETECTION GLOVE WITH A HIGH CONTRAST BETWEEN THE COLOR ON THE DONNING SIDE AND THE GRIP SIDE OF THE GLOVE**

[54] **GANT A DETECTION DE RUPTURE AVEC UN CONTRASTE ELEVE ENTRE LA COULEUR SUR LE COTE ENFILAGE ET LE COTE PREHENSION DU GANT**

[72] MODHA, SHANTILAL H., US  
[72] ROBERT, PATRICK H., US  
[72] ISSARA, SOPHA, US  
[72] ZAKARIA, ZAMSARI, US  
[71] O&M HALYARD INTERNATIONAL UNLIMITED COMPANY, IE

[85] 2018-05-18  
[86] 2016-11-18 (PCT/US2016/062765)  
[87] (WO2017/087797)  
[30] US (62/257,276) 2015-11-19

[21] **3,005,866**  
[13] A1

[51] **Int.Cl. G06Q 20/38 (2012.01) G06Q 30/02 (2012.01) G06Q 30/06 (2012.01)**

[25] EN

[54] **KIDS' LOYALTY AND REWARDS PROGRAM**

[54] **PROGRAMME DE FIDELITE ET DE RECOMPENSE POUR ENFANTS**

[72] VOSTERS, KATHERINE G., US  
[72] LEAKAS, PAUL A., US  
[71] B. LITTLE & COMPANY, INC., US

[85] 2018-05-18  
[86] 2016-11-17 (PCT/US2016/062399)  
[87] (WO2017/087593)  
[30] US (14/947,415) 2015-11-20

[21] **3,005,867**  
[13] A1

[51] **Int.Cl. G01G 19/414 (2006.01) G06Q 30/06 (2012.01)**

[25] EN

[54] **INTEGRATED AUTOMATIC RETAIL SYSTEM AND METHOD**

[54] **SYSTEME AUTOMATIQUE INTEGRE DE VENTE AU DETAIL ET PROCEDE ASSOCIE**

[72] MURN, THOMAS, US  
[71] THE ANSWER GROUP INC., US

[85] 2018-05-18  
[86] 2016-11-18 (PCT/US2016/062769)  
[87] (WO2017/087799)  
[30] US (14/947,848) 2015-11-20

[21] **3,005,868**  
[13] A1

[51] **Int.Cl. H04B 7/155 (2006.01)**

[25] EN

[54] **CELLULAR SIGNAL BOOSTER WITH MULTIPLE SIGNAL CHAINS**

[54] **AMPLIFICATEUR DE SIGNAL CELLULAIRE A MULTIPLES CHAINES DE SIGNAUX**

[72] COOK, PATRICK, US  
[72] ASHWORTH, CHRISTOPHER KEN, US

[71] WILSON ELECTRONICS, LLC, US

[85] 2018-05-18  
[86] 2016-11-17 (PCT/US2016/062587)  
[87] (WO2017/087705)  
[30] US (62/256,584) 2015-11-17

[21] **3,005,869**  
[13] A1

[51] **Int.Cl. H04B 7/00 (2006.01) H04W 8/22 (2009.01) H04B 7/005 (2006.01)**

[25] EN

[54] **LIMITING MOBILE DEVICE FUNCTIONALITY IN A VEHICLE**

[54] **LIMITATION DE LA FONCTIONNALITE D'UN DISPOSITIF MOBILE A L'INTERIEUR D'UN VEHICULE**

[72] MAHAR, STEPHEN NELSON, US  
[72] WILLIAMS, DONALD EDWARD, JR., US

[71] CBROS TECHNOLOGIES, LLC, US

[85] 2018-05-18  
[86] 2016-11-17 (PCT/US2016/062434)  
[87] (WO2017/087613)  
[30] US (14/947,385) 2015-11-20

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[21] **3,005,870**  
[13] A1

[51] **Int.Cl. C09J 163/00 (2006.01)**  
[25] EN  
[54] **STRUCTURAL ADHESIVE WITH IMPROVED FAILURE MODE**  
[54] **ADHESIF STRUCTURAL A MODE DE RUPTURE AMELIORE**  
[72] CURA, ELISABETH, DE  
[72] ELGIMIABI, SOHAIB, DE  
[71] 3M INNOVATIVE PROPERTIES COMPANY, US  
[85] 2018-05-18  
[86] 2016-11-17 (PCT/US2016/062498)  
[87] (WO2017/087651)  
[30] EP (15195469.0) 2015-11-19

[21] **3,005,871**  
[13] A1

[51] **Int.Cl. F16K 1/22 (2006.01) F16K 1/18 (2006.01) F16K 1/20 (2006.01) F16K 1/226 (2006.01) F16K 27/02 (2006.01)**  
[25] EN  
[54] **VALVE AND VALVE COUPLING WITH REVERSE TAPERED SHAFTS**  
[54] **VANNE ET ACCOUPLEMENT DE VANNE A ARBRES EFFILES INVERSES**  
[72] PARK, YANG BAE, US  
[71] VICTAULIC COMPANY, US  
[85] 2018-05-17  
[86] 2016-11-17 (PCT/US2016/062487)  
[87] (WO2017/091436)  
[30] US (62/258,797) 2015-11-23

[21] **3,005,872**  
[13] A1

[51] **Int.Cl. B65D 30/08 (2006.01) B32B 27/08 (2006.01) B32B 27/32 (2006.01) B65D 81/18 (2006.01)**  
[25] EN  
[54] **METALLIZED, ORIENTED, LINEAR, LOW-DENSITY, POLETHYLENE FILMS**  
[54] **FILMS DE POLYETHYLENE METALLISE, ORIENTE, LINEAIRE, A BASSE DENSITE**  
[72] AMBROISE, BENOIT, BE  
[71] JINDAL FILMS AMERICAS LLC, US  
[85] 2018-05-18  
[86] 2016-11-18 (PCT/US2016/062788)  
[87] (WO2017/087809)  
[30] US (62/257,079) 2015-11-18

[21] **3,005,873**  
[13] A1

[51] **Int.Cl. H04W 4/00 (2018.01)**  
[25] EN  
[54] **CENTRALIZED ACCESS POINT PROVISIONING SYSTEM AND METHODS OF OPERATION THEREOF**  
[54] **SYSTEME D'APPROVISIONNEMENT CENTRALISE DE POINTS D'ACCES ET SES PROCEDES DE FONCTIONNEMENT**  
[72] CLEMENSON, MATTHEW ALLEN, US  
[72] DIMATTEO, LAWRENCE ANTHONY, III, US  
[71] WYFI, INC., US  
[85] 2018-05-18  
[86] 2016-11-18 (PCT/US2016/062945)  
[87] (WO2017/087903)  
[30] US (62/257,634) 2015-11-19

[21] **3,005,874**  
[13] A1

[51] **Int.Cl. A61K 31/202 (2006.01) A61P 27/02 (2006.01)**  
[25] EN  
[54] **STABLE ANALOGS OF CYP450 LIPID METABOLITES AND INHIBITORS OF SOLUBLE EPOXIDE HYDROLASE**  
[54] **ANALOGUES STABLES DES METABOLITES LIPIDIQUES DU CYP450 ET INHIBITEURS DE L'EPOXYDE HYDROLASE SOLUBLE**  
[72] CONNOR, KIP M., US  
[72] HASEGAWA, EIICHI, JP  
[72] HAMMOCK, BRUCE D., US  
[72] LEE, KIN SING STEPHEN, US  
[71] MASSACHUSETTS EYE AND EAR INFIRMARY, US  
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[71] CONNOR, KIP M., US  
[71] HASEGAWA, EIICHI, JP  
[71] HAMMOCK, BRUCE D., US  
[71] LEE, KIN SING STEPHEN, US  
[85] 2018-05-17  
[86] 2016-11-17 (PCT/US2016/062492)  
[87] (WO2017/087647)  
[30] US (62/256,609) 2015-11-17  
[30] US (62/365,289) 2016-07-21

[21] **3,005,875**  
[13] A1

[51] **Int.Cl. A01N 25/02 (2006.01) A01N 25/08 (2006.01) A01N 25/26 (2006.01) A01N 59/16 (2006.01) A61K 8/29 (2006.01) A61K 33/24 (2006.01) A61K 47/06 (2006.01)**  
[25] EN  
[54] **COMPOSITION WITH PEST RESISTANT PROPERTIES**  
[54] **COMPOSITION A PROPRIETES RESISTANTES AUX ORGANISMES NUISIBLES**  
[72] MCALLISTER, KEVIN, US  
[71] VECTORBLOCK LLC, US  
[85] 2018-05-17  
[86] 2016-11-17 (PCT/US2016/062501)  
[87] (WO2017/087654)  
[30] US (62/256,553) 2015-11-17  
[30] US (62/256,534) 2015-11-17  
[30] US (15/179,379) 2016-06-10

[21] **3,005,877**  
[13] A1

[51] **Int.Cl. C12M 3/04 (2006.01) C12M 3/00 (2006.01) C12N 5/00 (2006.01) C12N 5/02 (2006.01) C12N 11/00 (2006.01) C12N 11/02 (2006.01) C12N 11/08 (2006.01)**  
[25] EN  
[54] **SELECTIVE PARTICLES TRANSFER FROM ONE DEVICE TO ANOTHER**  
[54] **TRANSFERT SELECTIF DE PARTICULES DEPUIS UN DISPOSITIF VERS UN AUTRE**  
[72] JUANG, DUANE S., TW  
[72] HSU, CHIA-HSIEN, TW  
[72] LIN, CHING-HUI, TW  
[72] CHANG, HAO-CHEN, TW  
[71] NATIONAL HEALTH RESEARCH INSTITUTES, TW  
[85] 2018-05-18  
[86] 2016-11-18 (PCT/US2016/062948)  
[87] (WO2017/087906)  
[30] US (62/258,174) 2015-11-20  
[30] US (15/159,712) 2016-05-19



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[21] **3,005,878**  
[13] A1

[51] **Int.Cl. A61K 38/17 (2006.01) A61K 38/20 (2006.01) A61P 17/00 (2006.01)**

[25] EN

[54] **LYMPHOCYTE ANTIGEN CD5-LIKE (CD5L)-INTERLEUKIN 12B (P40) HETERODIMERS IN IMMUNITY**

[54] **HETERODIMERES DANS L'IMMUNITE DE L'INTERLEUKINE 12B (P40) DE TYPE ANTIGENE LYMPHOCYTAIRE CD5 (CD5L)**

[72] KUCHROO, VIJAY K., US

[72] WANG, CHAO, US

[72] REGEV, AVIV, US

[72] SHEKHAR, KARTHIK, US

[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US

[71] THE BROAD INSTITUTE, INC., US

[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US

[85] 2018-05-17

[86] 2016-11-17 (PCT/US2016/062592)

[87] (WO2017/087708)

[30] US (62/257,589) 2015-11-19

[21] **3,005,879**  
[13] A1

[51] **Int.Cl. C02F 3/12 (2006.01) C02F 3/16 (2006.01)**

[25] EN

[54] **LATERAL CIRCULATOR AND AGITATOR FOR POND CULTIVATION**

[54] **CIRCULATEUR LATERAL ET AGITATEUR DESTINES A LA CULTURE EN ETANG**

[72] GALLAGHER, BRIAN J., US

[71] ECOTONICS, LLC, US

[85] 2018-05-17

[86] 2016-11-17 (PCT/US2016/062601)

[87] (WO2017/087715)

[30] US (62/257,578) 2015-11-19

[21] **3,005,880**  
[13] A1

[51] **Int.Cl. G09B 23/30 (2006.01)**

[25] EN

[54] **SIMULATED DISSECTIBLE TISSUE**

[54] **TISSU DISSECABLE SIMULE**

[72] BLACK, KATIE, US

[72] FELSINGER, NATASHA, US

[72] BRESLIN, TRACY, US

[72] HOFSTETTER, GREGORY K., US

[71] APPLIED MEDICAL RESOURCES CORPORATION, US

[85] 2018-05-17

[86] 2016-11-18 (PCT/US2016/062669)

[87] (WO2017/087746)

[30] US (62/257,847) 2015-11-20

[30] US (62/258,710) 2015-11-23

[21] **3,005,881**  
[13] A1

[51] **Int.Cl. A47L 13/256 (2006.01) A47L 13/258 (2006.01) A47L 13/46 (2006.01)**

[25] EN

[54] **SINGLE-SIDED FLAT CLEANING MOP FRAME**

[54] **STRUCTURE DE VADROUILLE DE NETTOYAGE PLATE A UN COTE**

[72] TAYLOR, JAMES, ES

[72] HOYLE, MARK, US

[72] FORREST, BRAD, US

[72] PERELLI, THOMAS, US

[71] AVINTIV SPECIALTY MATERIALS INC., US

[85] 2018-05-18

[86] 2016-11-21 (PCT/US2016/063042)

[87] (WO2017/087938)

[30] US (62/257,363) 2015-11-19

[21] **3,005,882**  
[13] A1

[51] **Int.Cl. G01F 23/62 (2006.01) G01F 23/74 (2006.01) G01F 23/76 (2006.01) H01H 35/18 (2006.01) H01H 36/02 (2006.01)**

[25] EN

[54] **VISUAL LIQUID LEVEL INDICATOR**

[54] **INDICATEUR DE NIVEAU DE LIQUIDE VISUEL**

[72] CURRY, DAVID P., US

[72] STETSON, DOUGLAS, US

[72] DOCKENDORFF, JAMES B., US

[71] GEMS SENSORS INC., US

[85] 2018-05-18

[86] 2016-11-18 (PCT/US2016/062934)

[87] (WO2017/087896)

[30] US (62/256,925) 2015-11-18

[21] **3,005,883**  
[13] A1

[51] **Int.Cl. G01N 33/53 (2006.01) G01N 21/64 (2006.01) G01N 21/75 (2006.01) G01N 33/569 (2006.01)**

[25] EN

[54] **RATIOMETRIC BIOSENSORS AND NON-GEOMETRICALLY MODULATED FRET**

[54] **BIOCAPTEURS RATIOMETRIQUES ET TRANSFERT D'ENERGIE PAR RESONANCE DE FORSTER NON MODULE GEOMETRIQUEMENT**

[72] HELLINGA, HOMME W., US

[72] ALLERT, MALIN J., US

[71] DUKE UNIVERSITY, US

[85] 2018-05-18

[86] 2016-11-19 (PCT/US2016/062958)

[87] (WO2017/087912)

[30] US (62/257,850) 2015-11-20

[30] US (62/257,863) 2015-11-20

[30] US (62/257,859) 2015-11-20

[30] US (62/257,796) 2015-11-20

[21] **3,005,884**  
[13] A1

[51] **Int.Cl. B32B 15/01 (2006.01) C22C 19/05 (2006.01) C23C 30/00 (2006.01) F01D 5/28 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR FORMING A LAYER ONTO A SURFACE OF A SOLID SUBSTRATE AND PRODUCTS FORMED THEREBY**

[54] **SYSTEMES ET PROCEDES DE FORMAGE D'UNE COUCHE SUR UNE SURFACE D'UN SUBSTRAT SOLIDE ET PRODUITS AINSI FORMES**

[72] BRACAMONTE, LORI, US

[72] WITHERS, JAMES, US

[72] ABCEDE, JOWIE, US

[71] ATS MER, LLC, US

[85] 2018-05-18

[86] 2016-11-21 (PCT/US2016/063134)

[87] (WO2017/087959)

[30] US (62/258,448) 2015-11-21

[30] US (62/265,765) 2015-12-10

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[21] **3,005,887**  
[13] A1

[51] **Int.Cl. A61K 51/04 (2006.01) C07D 311/24 (2006.01)**

[25] EN

[54] **METHODS FOR TREATING ALZHEIMER'S DISEASE AND RELATED DISORDERS**

[54] **METHODES POUR TRAITER LA MALADIE D'ALZHEIMER ET DES TROUBLES ASSOCIES**

[72] ELMALEH, DAVID, US  
[71] AZTHERAPIES, INC., US  
[85] 2018-05-18  
[86] 2016-11-21 (PCT/US2016/063143)  
[87] (WO2017/087962)  
[30] US (62/257,616) 2015-11-19

[21] **3,005,888**  
[13] A1

[51] **Int.Cl. A41D 1/00 (2018.01) A41D 1/06 (2006.01) A41D 1/08 (2018.01)**

[25] EN

[54] **URINATION RELIEF HATCH FOR WATERPROOF WADERS AND FOUL WEATHER GEAR**

[54] **TRAPPE DE MICTION POUR PANTALONS-BOTTES IMPERMEABLES ET EQUIPEMENT POUR LE MAUVAIS TEMPS**

[72] STEVENSON, ROBERT A., US  
[72] STEVENSON, WENDY L., US  
[72] LOPEZ, ANTHONY ISMAEL, US  
[71] STEVENSON, ROBERT A., US  
[71] STEVENSON, WENDY L., US  
[85] 2018-05-18  
[86] 2016-11-21 (PCT/US2016/063159)  
[87] (WO2017/087966)  
[30] US (14/948,378) 2015-11-22  
[30] US (15/184,119) 2016-06-16  
[30] US (15/355,580) 2016-11-18

[21] **3,005,890**  
[13] A1

[51] **Int.Cl. G01N 33/53 (2006.01) C12Q 1/54 (2006.01) G01N 33/533 (2006.01) G01N 33/543 (2006.01) G01N 33/58 (2006.01) G01N 33/66 (2006.01)**

[25] EN

[54] **THERMOSTABLE GLUCOSE BIOSENSORS AND USES THEREOF**

[54] **BIOCAPTEURS DE GLUCOSE THERMOSTABLES ET LEURS UTILISATIONS**

[72] HELLINGA, HOMME W., US  
[72] ALLERT, MALIN J., US  
[71] DUKE UNIVERSITY, US  
[85] 2018-05-18  
[86] 2016-11-19 (PCT/US2016/062962)  
[87] (WO2017/087916)  
[30] US (62/257,796) 2015-11-20  
[30] US (62/257,800) 2015-11-20

[21] **3,005,891**  
[13] A1

[51] **Int.Cl. G02C 7/04 (2006.01)**

[25] EN

[54] **TORIC SMALL APERTURE INTRAOCULAR LENS WITH EXTENDED DEPTH OF FOCUS**

[54] **LENTILLE TORIQUE INTRAOCULAIRE A FAIBLE OUVERTURE A PROFONDEUR DE FOYER ACCRUE**

[72] LINK, WILLIAM J., US  
[72] WEBB, R. KYLE, US  
[71] ACUFOCUS, INC., US  
[85] 2018-05-18  
[86] 2016-11-21 (PCT/US2016/063181)  
[87] (WO2017/091520)  
[30] US (62/259,524) 2015-11-24

[21] **3,005,892**  
[13] A1

[51] **Int.Cl. G01N 33/53 (2006.01) G06F 19/16 (2011.01) C12M 1/34 (2006.01) G01N 33/533 (2006.01) G01N 33/566 (2006.01)**

[25] EN

[54] **LACTATE BIOSENSORS AND USES THEREOF**

[54] **BIOCAPTEURS DE LACTATE ET LEURS UTILISATIONS**

[72] HELLINGA, HOMME W., US  
[72] ALLERT, MALIN J., US  
[71] DUKE UNIVERSITY, US  
[85] 2018-05-18  
[86] 2016-11-19 (PCT/US2016/062961)  
[87] (WO2017/087915)  
[30] US (62/257,796) 2015-11-20  
[30] US (62/257,856) 2015-11-20

[21] **3,005,893**  
[13] A1

[51] **Int.Cl. C08F 226/06 (2006.01) B41M 5/52 (2006.01) B65D 65/42 (2006.01) C08F 2/06 (2006.01)**

[25] EN

[54] **FRAGRANCE DELIVERY COMPOSITION COMPRISING COPOLYMERS OF ACRYLOYL LACTAM AND ALKYL METHACRYLATES, PROCESS FOR PREPARING THE SAME, AND METHOD OF USE THEREOF**

[54] **COMPOSITION D'ADMINISTRATION DE PARFUM COMPRENANT DES COPOLYMERES D'ACRYLOYL LACTAME ET DES ALKYL METHACRYLATES, PROCEDE DE PREPARATION ET PROCEDE D'UTILISATION ASSOCIES**

[72] GAMEZ-GARCIA, MANUEL, US  
[72] WOSSENE, SOLOMON TSIGIE, US  
[72] TALLON, MICHAEL A., US  
[72] PATEL, DRUPESH, US  
[72] BLAZEWICZ, RYAN VINCENT, US  
[71] ISP INVESTMENTS LLC, US  
[85] 2018-05-18  
[86] 2016-11-21 (PCT/US2016/063015)  
[87] (WO2017/087931)  
[30] US (62/257,828) 2015-11-20

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[21] **3,005,894**  
[13] A1

[51] **Int.Cl. G01C 11/00 (2006.01) G06G 7/00 (2006.01) G06K 9/62 (2006.01) G06T 17/00 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR LARGE-SCALE DETERMINATION OF RGBD CAMERA POSES**

[54] **PROCEDES ET SYSTEMES DE DETERMINATION A GRANDE ECHELLE DE POSES DE CAMERA RGBD**

[72] WEI, XIAOLIN, US  
[71] MAGIC LEAP, INC., US

[85] 2018-05-18  
[86] 2016-11-18 (PCT/US2016/062792)  
[87] (WO2017/087813)  
[30] US (62/258,316) 2015-11-20

[21] **3,005,895**  
[13] A1

[51] **Int.Cl. C07H 21/02 (2006.01) C12N 15/09 (2006.01) C12N 15/10 (2006.01)**

[25] EN

[54] **PREPARATIVE ELECTROPHORETIC METHOD FOR TARGETED PURIFICATION OF GENOMIC DNA FRAGMENTS**

[54] **PROCEDE ELECTROPHORETIQUE PREPARATIF POUR LA PURIFICATION CIBLEE DE FRAGMENTS D'ADN GENOMIQUE**

[72] MITRA, ROBI DAVID, US  
[72] MILBRANDT, JEFFREY, US  
[72] ABRAMS, EZRA S., US  
[72] BARBERA, TODD J., US  
[72] BOLES, T. CHRISTIAN, US  
[71] WASHINGTON UNIVERSITY, US  
[71] SAGE SCIENCE, INC., US  
[71] MITRA, ROBI DAVID, US  
[71] MILBRANDT, JEFFREY, US  
[71] ABRAMS, EZRA S., US  
[71] BARBERA, TODD J., US  
[71] BOLES, T. CHRISTIAN, US

[85] 2018-05-18  
[86] 2016-11-21 (PCT/US2016/063190)  
[87] (WO2017/087979)  
[30] US (62/258,384) 2015-11-20

[21] **3,005,896**  
[13] A1

[51] **Int.Cl. C07K 7/08 (2006.01) A61K 39/00 (2006.01) C07K 14/47 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR TREATING CANCER**

[54] **PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT DU CANCER**

[72] SCHEINBERG, DAVID, US  
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US

[85] 2018-05-18  
[86] 2016-11-18 (PCT/US2016/062865)  
[87] (WO2017/087857)  
[30] US (62/258,134) 2015-11-20

[21] **3,005,897**  
[13] A1

[51] **Int.Cl. E21B 43/16 (2006.01) E21B 43/24 (2006.01) F22B 1/18 (2006.01) F22B 37/56 (2006.01)**

[25] EN

[54] **ENHANCED OIL AND GAS RECOVERY WITH DIRECT STEAM GENERATION**

[54] **RECUPERATION AMELIOREE D'HUILE ET DE GAZ A GENERATION DE VAPEUR DIRECTE**

[72] JURANITCH, JAMES C., US  
[71] XDI HOLDINGS, LLC, US

[85] 2018-05-18  
[86] 2016-11-22 (PCT/US2016/063358)  
[87] (WO2017/087990)  
[30] US (62/258,513) 2015-11-22

[21] **3,005,900**  
[13] A1

[51] **Int.Cl. C07D 495/04 (2006.01) A01N 43/90 (2006.01) A61K 31/519 (2006.01) A61P 3/04 (2006.01) A61P 31/10 (2006.01)**

[25] EN

[54] **TRIAZOLE ACC INHIBITORS AND USES THEREOF**

[54] **INHIBITEURS D'ACC A BASE DE TRIAZOLE ET UTILISATIONS ASSOCIEES**

[72] GHOSH, SHOMIR, US  
[72] GREENWOOD, JEREMY ROBERT, US  
[72] HARRIMAN, GERALDINE C., US  
[72] LEIT DE MORADEI, SILVANA MARCEL, US

[71] GILEAD APOLLO, LLC, US

[85] 2018-05-18  
[86] 2016-11-22 (PCT/US2016/063410)  
[87] (WO2017/091617)  
[30] US (62/259,966) 2015-11-25

[21] **3,005,901**  
[13] A1

[51] **Int.Cl. A61N 2/10 (2006.01) A61B 5/05 (2006.01) G01R 33/02 (2006.01)**

[25] EN

[54] **APPARATUSES FOR DETECTING AND/OR DESTROYING ABNORMAL TISSUE, SUCH AS CANCER TISSUE, AND RELATED METHODS**

[54] **APPAREILS DE DETECTION ET/OU DE DESTRUCTION DE TISSU ANORMAL TEL QU'UN TISSU CANCEREUX, ET PROCEDES ASSOCIES**

[72] DAYAWANSA, SAMANTHA, US  
[72] HUANG, JASON, US  
[72] FONKEM, EKOKOBE, US  
[71] SCOTT & WHITE HEALTHCARE, US

[85] 2018-05-18  
[86] 2016-11-18 (PCT/US2016/062905)  
[87] (WO2017/087881)  
[30] US (62/256,977) 2015-11-18

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[21] **3,005,902**  
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[51] **Int.Cl. G01S 17/00 (2006.01) G01S 17/02 (2006.01) G01S 17/06 (2006.01) G01S 17/08 (2006.01) G01S 17/46 (2006.01) G01S 17/48 (2006.01)**

[25] EN

[54] **THREE DIMENSIONAL LIDAR SYSTEM WITH TARGETED FIELD OF VIEW**

[54] **LIDAR TRIDIMENSIONNEL AVEC CHAMP DE VISION CIBLE**

[72] HALL, DAVID S., US

[72] REKOW, MATHEW NOEL, US

[72] NESTINGER, STEPHEN S., US

[72] KERSTENS, PIETER J., US

[71] VELODYNE LIDAR, INC., US

[85] 2018-05-18

[86] 2016-11-25 (PCT/US2016/063769)

[87] (WO2017/091810)

[30] US (62/260,205) 2015-11-25

[30] US (15/360,903) 2016-11-23

[21] **3,005,905**  
[13] A1

[51] **Int.Cl. B03C 3/16 (2006.01)**

[25] EN

[54] **SYSTEM, APPARATUSES, AND METHODS FOR IMPROVING THE OPERATION OF A TURBINE BY USING ELECTROSTATIC PRECIPITATION**

[54] **SYSTEME, APPAREILS, ET PROCEDES POUR AMELIORER LE FONCTIONNEMENT D'UNE TURBINE A L'AIDE D'UNE PRECIPITATION ELECTROSTATIQUE**

[72] JAASUND, STEVEN A., US

[71] LUNDBERG LLC, US

[85] 2018-05-18

[86] 2016-12-01 (PCT/US2016/064376)

[87] (WO2017/096014)

[30] US (62/261,987) 2015-12-02

[21] **3,005,910**  
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) A61K 47/00 (2006.01)**

[25] EN

[54] **VACCINATION WITH MICA/B ALPHA 3 DOMAIN FOR THE TREATMENT OF CANCER**

[54] **VACCINATION AVEC LE DOMAINE ALPHA 3 MICA/B POUR LE TRAITEMENT DU CANCER**

[72] WUCHERPFENNIG, KAI, US

[72] BADRINATH, SOUMYA, US

[71] DANA-FARBER CANCER INSTITUTE, INC., US

[85] 2018-05-18

[86] 2016-12-05 (PCT/US2016/064969)

[87] (WO2017/096374)

[30] US (62/263,377) 2015-12-04

[30] US (62/422,454) 2016-11-15

[21] **3,005,903**  
[13] A1

[51] **Int.Cl. A47J 37/07 (2006.01) A47B 5/04 (2006.01) A47J 37/00 (2006.01) A47J 37/04 (2006.01)**

[25] EN

[54] **PORTABLE OUTDOOR COOKER**

[54] **CUISEUR D'EXTERIEUR PORTATIF**

[72] KAHLER, ANDREW WOLF, US

[72] MENDEZ, JOSE RAUL, US

[72] HAMILTON, ANTHONY, US

[72] BENNETT, CHRIS, US

[72] DAVIS, MARK, US

[72] GILLESPIE, BRAD, US

[71] W.C. BRADLEY CO., US

[85] 2018-05-18

[86] 2016-11-28 (PCT/US2016/063867)

[87] (WO2017/095746)

[30] US (62/262,483) 2015-12-03

[21] **3,005,908**  
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01)**

[25] EN

[54] **FRAME FEATURES FOR PROSTHETIC MITRAL VALVES**

[54] **ATTRIBUTS DE CADRE POUR VALVULES MITRALES PROTHETIQUES**

[72] CHRISTIANSON, MARK, US

[72] EVANS, MICHAEL, US

[72] VIDLUND, ROBERT, US

[71] TENDYNE HOLDINGS, INC., US

[85] 2018-05-18

[86] 2016-12-02 (PCT/US2016/064610)

[87] (WO2017/096157)

[30] US (62/262,511) 2015-12-03

[21] **3,005,911**  
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 38/18 (2006.01)**

[25] EN

[54] **TREATMENT OF CANCER WITH DUAL TARGETING OF CD47 AND EGFR**

[54] **TRAITEMENT ANTICANCEREUX A DOUBLE CIBLAGE DE CD47 ET DE R-EGF**

[72] WEISSMAN, IRVING L., US

[72] MCKENNA, KELLY MARIE, US

[72] WILLINGHAM, STEPHEN, US

[72] HO, DORIS PO YI, US

[72] DALERBA, PIERO D., US

[72] VOLKMER, JENS-PETER, US

[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US

[85] 2018-05-18

[86] 2016-12-08 (PCT/US2016/065641)

[87] (WO2017/100462)

[30] US (62/266,470) 2015-12-11

[30] US (62/380,177) 2016-08-26

[21] **3,005,909**  
[13] A1

[51] **Int.Cl. A61K 31/192 (2006.01) A61K 31/352 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR TREATING ISCHEMIC STROKE**

[54] **COMPOSITIONS ET METHODES DE TRAITEMENT D'UN AVC ISCHEMIQUE**

[72] ELMALEH, DAVID, US

[71] AZTHERAPIES, INC., US

[85] 2018-05-18

[86] 2016-11-23 (PCT/US2016/063462)

[87] (WO2017/091644)

[30] US (62/258,882) 2015-11-23

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[13] A1

[51] **Int.Cl. F16J 15/18 (2006.01) F16C 33/76 (2006.01)**  
[25] EN  
[54] **CIRCUMFERENTIAL DEBRIS SEAL FOR PINNED JOINTS**  
[54] **JOINT D'ETANCHEITE VIS-A-VIS DES DEBRIS PERIPHERIQUE POUR RACCORDS CLAVETES**  
[72] HUDSON, CHARLES TAYLOR, US  
[72] MATHEW, SUNIL I., US  
[72] CHAPAGAIN, PRADEEP, US  
[71] CATERPILLAR INC., US  
[85] 2018-05-18  
[86] 2016-11-23 (PCT/US2016/063483)  
[87] (WO2017/091659)  
[30] US (14/952,026) 2015-11-25

[21] **3,005,915**  
[13] A1

[51] **Int.Cl. H04L 9/08 (2006.01) H04L 9/32 (2006.01)**  
[25] EN  
[54] **KEY EXCHANGE THROUGH PARTIALLY TRUSTED THIRD PARTY**  
[54] **ECHANGE DE CLES VIA UN TIERS PARTIELLEMENT DE CONFIANCE**  
[72] CAMPAGNA, MATTHEW JOHN, US  
[71] AMAZON TECHNOLOGIES, INC., US  
[85] 2018-05-18  
[86] 2016-12-06 (PCT/US2016/065207)  
[87] (WO2017/100217)  
[30] US (14/967,214) 2015-12-11

[21] **3,005,917**  
[13] A1

[51] **Int.Cl. D01F 6/90 (2006.01) D01F 1/10 (2006.01) D01F 6/92 (2006.01) D01F 9/12 (2006.01)**  
[25] EN  
[54] **MODIFIED FIBER AND PREPARATION METHOD THEREFOR**  
[54] **FIBRE MODIFIEE ET PROCEDE DE PREPARATION POUR CELLE-CI**  
[72] TANG, YILIN, CN  
[72] ZHANG, JINZHU, CN  
[72] WANG, SHUANGCHENG, CN  
[72] MA, JUNQIANG, CN  
[72] ZHANG, AN, CN  
[71] JINAN SHENGQUAN GROUP SHARE HOLDING CO., LTD, CN  
[85] 2018-05-22  
[86] 2016-11-18 (PCT/CN2016/106435)  
[87] (WO2017/084622)  
[30] CN (201510819312.X) 2015-11-20  
[30] CN (201610040025.3) 2016-01-21  
[30] CN (201610045894.5) 2016-01-22  
[30] CN (201610124616.9) 2016-03-04

[21] **3,005,918**  
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/423 (2006.01) A61K 31/517 (2006.01) A61P 1/00 (2006.01) A61P 3/10 (2006.01) A61P 9/00 (2006.01) A61P 25/18 (2006.01) A61P 25/20 (2006.01) A61P 25/22 (2006.01) A61P 25/24 (2006.01) A61P 29/00 (2006.01) A61P 37/02 (2006.01)**  
[25] EN  
[54] **OCTAHYDROPYRROLO[3,4-C]PYRROLE DERIVATIVES AND USES THEREOF**  
[54] **DERIVES D'OCTAHYDROPYRROLO [3, 4-C] PYRROLE ET LEURS UTILISATIONS**  
[72] ZHANG, YINGJUN, CN  
[72] JIN, CHUANFEI, CN  
[72] ZHANG, JI, CN  
[71] SUNSHINE LAKE PHARMA CO., LTD., CN  
[85] 2018-05-22  
[86] 2016-11-23 (PCT/CN2016/106937)  
[87] (WO2017/088759)  
[30] CN (201510823712.8) 2015-11-23

[21] **3,005,919**  
[13] A1

[51] **Int.Cl. B43L 7/12 (2006.01) B25H 7/02 (2006.01) B43L 7/14 (2006.01) G01C 9/02 (2006.01)**  
[25] EN  
[54] **ROOF SQUARE WITH BLADE LOCKING AND RELEASE MECHANISM**  
[54] **EQUERRE DE TOIT DOTEES D'UN MECANISME DE BLOCAGE ET DE LIBERATION DE LAME**  
[72] PEPPER, SEAN ROGER MICHAEL, AU  
[71] PEPPER, SEAN ROGER MICHAEL, AU  
[85] 2018-05-22  
[86] 2015-12-17 (PCT/AU2015/000756)  
[87] (WO2016/094933)  
[30] AU (2014277771) 2014-12-18  
[30] AU (2015904445) 2015-10-30

[21] **3,005,920**  
[13] A1

[51] **Int.Cl. C07H 9/04 (2006.01) A61K 31/357 (2006.01) A61K 31/7048 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) A61P 9/10 (2006.01) A61P 9/12 (2006.01) A61P 13/12 (2006.01) C07D 207/28 (2006.01) C07D 493/08 (2006.01) C07H 1/00 (2006.01)**  
[25] EN  
[54] **A COMPLEX OF A GLUCOPYRANOSYL DERIVATIVE AND PREPARATION METHOD AND USE THEREOF**  
[54] **COMPLEXE D'UN DERIVE DE GLUCOPYRANOSYLE ET SON PROCEDE DE PREPARATION ET SON UTILISATION**  
[72] TANG, PENGCHO, CN  
[72] GU, ZHENG, CN  
[72] WU, WUYONG, CN  
[72] ZHANG, ZONGYUAN, CN  
[72] KANG, PANPAN, CN  
[72] QU, TONG, CN  
[71] SUNSHINE LAKE PHARMA CO., LTD., CN  
[85] 2018-05-22  
[86] 2016-11-28 (PCT/CN2016/107543)  
[87] (WO2017/088839)  
[30] CN (201510851466.7) 2015-11-27

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[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61K 31/506 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61K 31/52 (2006.01) A61K 31/522 (2006.01) A61K 31/5377 (2006.01) A61P 31/16 (2006.01) C07D 519/00 (2006.01)**

[25] EN

[54] **INHIBITORS OF INFLUENZA VIRUS REPLICATION, APPLICATION METHODS AND USES THEREOF**

[54] **INHIBITEURS DE REPLICATION DU VIRUS DE LA GRIPPE, METHODES D'APPLICATION ET UTILISATIONS ASSOCIEES**

[72] ZHANG, YINGJUN, CN  
[72] REN, QINGYUN, CN  
[72] TANG, CHANGHUA, CN  
[72] LIN, XIAOHONG, CN  
[72] YIN, JUNJUN, CN  
[72] YI, KAI, CN  
[71] SUNSHINE LAKE PHARMA CO., LTD., CN  
[85] 2018-05-22  
[86] 2016-12-08 (PCT/CN2016/109079)  
[87] (WO2017/097234)  
[30] CN (201510908329.2) 2015-12-09

[21] **3,005,922**  
[13] A1

[51] **Int.Cl. H01B 3/44 (2006.01) H02G 1/14 (2006.01) H02G 15/08 (2006.01)**

[25] EN

[54] **FLEXIBLE VULCANIZED JOINT BETWEEN TWO ELECTRIC POWER CABLES AND PROCESS FOR PRODUCING SAID JOINT**

[54] **JONCTION VULCANISEE FLEXIBLE ENTRE DEUX CABLES ELECTRIQUES ET PROCEDE DE PRODUCTION DE LADITE JONCTION**

[72] GHORBANI, HOSSEIN, SE  
[72] REBILLARD, ERIC, SE  
[72] ZLATKOVIC, SVETLANA, SE  
[72] LINDAHL, SOFIE, SE  
[71] NKT HV CABLES GMBH, CH  
[85] 2018-05-22  
[86] 2015-11-23 (PCT/EP2015/077333)  
[87] (WO2017/088899)

[21] **3,005,923**  
[13] A1

[51] **Int.Cl. A47C 31/00 (2006.01) A47C 31/10 (2006.01) D04B 1/22 (2006.01)**

[25] EN

[54] **MATTRESS COVER**

[54] **HOUSSE DE MATELAS**

[72] SZPYT, ADAM ROMAN, DE  
[71] BETTI.DE GMBH, DE  
[85] 2018-05-22  
[86] 2016-11-24 (PCT/DE2016/100548)  
[87] (WO2017/088857)  
[30] DE (20 2015 008 053.7) 2015-11-24

[21] **3,005,925**  
[13] A1

[51] **Int.Cl. H01M 8/0208 (2016.01) H01M 8/0215 (2016.01) H01M 8/0228 (2016.01) C23C 28/00 (2006.01) C23C 28/04 (2006.01) H01M 8/021 (2016.01)**

[25] EN

[54] **LAYER AND LAYER SYSTEM, AS WELL AS BIPOLAR PLATE, FUEL CELL AND ELECTROLYSER**

[54] **COUCHE ET SYSTEME DE COUCHES, AINSI QUE PLAQUE BIPOLAIRE, PILE A COMBUSTIBLE ET ELECTROLYSEUR**

[72] DOBRENIZKI, LADISLAUS, DE  
[72] HOSENFELDT, TIM, DE  
[72] MUSAYEV, YASHAR, DE  
[72] REPENNING, DETLEV, DE  
[71] SCHAEFFLER TECHNOLOGIES AG & CO. KG, DE  
[85] 2018-05-22  
[86] 2017-01-05 (PCT/DE2017/100007)  
[87] (WO2017/140293)  
[30] DE (10 2016 202 372.1) 2016-02-17

[21] **3,005,926**  
[13] A1

[51] **Int.Cl. C08K 5/01 (2006.01) C07C 409/00 (2006.01) C08K 5/10 (2006.01) C08K 5/12 (2006.01) C08K 5/14 (2006.01) C08K 3/22 (2006.01)**

[25] EN

[54] **BCHPC HAVING A REDUCED BURNING RATE**

[54] **BCHPC AYANT UNE VITESSE DE COMBUSTION REDUITE**

[72] NAGL, IRIS, DE  
[72] DISCHL, GUDRUN, DE  
[72] HERMANN, DOMINIK, DE  
[72] CANELLA, DANIEL, DE  
[72] KUNZ, MARTIN, DE  
[72] GUIGLEY, KEVIN, US  
[71] UNITED INITIATORS GMBH, DE  
[85] 2018-05-22  
[86] 2016-11-23 (PCT/EP2016/078520)  
[87] (WO2017/089375)  
[30] DE (10 2015 223 051.1) 2015-11-23

[21] **3,005,927**  
[13] A1

[51] **Int.Cl. G21C 17/116 (2006.01) G21C 13/036 (2006.01)**

[25] FR

[54] **VESSEL ELECTRICAL PENETRATION ASSEMBLY FOR A NUCLEAR REACTOR**

[54] **ASSEMBLAGE DE PENETRATION ELECTRIQUE DE CUVE D'UN REACTEUR NUCLEAIRE**

[72] BRUN, MICHEL, FR  
[71] SOCIETE TECHNIQUE POUR L'ENERGIE ATOMIQUE, FR  
[85] 2018-05-18  
[86] 2016-10-14 (PCT/EP2016/074704)  
[87] (WO2017/084815)  
[30] FR (1561112) 2015-11-19

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<p style="text-align: center;">[21] <b>3,005,928</b> [13] A1</p> <p>[51] <b>Int.Cl. A61K 38/17 (2006.01) A61K 45/06 (2006.01) C07K 14/435 (2006.01) C07K 14/47 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>PEPTIDES FOR RENAL THERAPY</b></p> <p>[54] <b>PEPTIDES POUR THERAPIE RENALE</b></p> <p>[72] ZAGER, RICHARD A., US</p> <p>[72] OLSON, JAMES M., US</p> <p>[72] GIRARD, EMILY J., US</p> <p>[72] CORRENTI, COLIN E., US</p> <p>[72] SOTTERO, THEO L., US</p> <p>[71] FRED HUTCHINSON CANCER RESEARCH CENTER, US</p> <p>[85] 2018-05-18</p> <p>[86] 2016-12-09 (PCT/US2016/066007)</p> <p>[87] (WO2017/100700)</p> <p>[30] US (62/266,520) 2015-12-11</p>	<p style="text-align: center;">[21] <b>3,005,930</b> [13] A1</p> <p>[51] <b>Int.Cl. A61K 39/385 (2006.01) A61K 39/00 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>IMMUNOSTIMULATORY COMPOSITIONS</b></p> <p>[54] <b>COMPOSITIONS IMMUNOSTIMULANTES</b></p> <p>[72] CARPENTIER, ANTOINE, FR</p> <p>[72] BANISSI, CLAIRE, FR</p> <p>[71] ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS, FR</p> <p>[71] UNIVERSITE PARIS 13, FR</p> <p>[85] 2018-05-22</p> <p>[86] 2016-11-25 (PCT/EP2016/078794)</p> <p>[87] (WO2017/089529)</p> <p>[30] EP (15306887.9) 2015-11-27</p>	<p style="text-align: center;">[21] <b>3,005,933</b> [13] A1</p> <p>[51] <b>Int.Cl. A61K 47/50 (2017.01) A61K 31/6615 (2006.01) A61P 9/10 (2006.01) A61P 9/14 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>INOSITOL DERIVATIVES FOR USE IN PATHOLOGICAL CRYSTALLIZATION</b></p> <p>[54] <b>DERIVES D'INOSITOL A UTILISER DANS LA CRISTALLISATION PATHOLOGIQUE</b></p> <p>[72] IVARSSON, MATTIAS, CH</p> <p>[72] CASTAGNER, BASTIEN, CA</p> <p>[72] LEROUX, JEAN-CHRISTOPHE, CH</p> <p>[72] PASCH, ANDREAS, CH</p> <p>[71] ETH ZURICH, CH</p> <p>[71] UNIVERSITAT BERN, CH</p> <p>[85] 2018-05-22</p> <p>[86] 2016-12-12 (PCT/EP2016/080657)</p> <p>[87] (WO2017/098047)</p> <p>[30] EP (15199682.4) 2015-12-11</p> <p>[30] EP (16164299.6) 2016-04-07</p> <p>[30] EP (16173422.3) 2016-06-07</p>
<p style="text-align: center;">[21] <b>3,005,929</b> [13] A1</p> <p>[51] <b>Int.Cl. C03B 3/00 (2006.01) C03B 3/02 (2006.01) C03B 5/12 (2006.01) F27B 3/18 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>A METHOD AND APPARATUS FOR SUPPLYING PRE-HEATED PARTICULATE MINERAL MATERIAL FOR MAKING A MINERAL MELT</b></p> <p>[54] <b>PROCEDE ET APPAREIL D'ALIMENTATION EN MATIERE MINERALE PARTICULAIRE PRECHAUFFEE DESTINEE A LA FABRICATION D'UNE MASSE MINERALE FONDUE</b></p> <p>[72] HANSEN, LARS ELMEKILDE, DK</p> <p>[71] ROCKWOOL INTERNATIONAL A/S, DK</p> <p>[85] 2018-05-22</p> <p>[86] 2016-12-01 (PCT/EP2016/079389)</p> <p>[87] (WO2017/093378)</p> <p>[30] EP (15197692.5) 2015-12-03</p>	<p style="text-align: center;">[21] <b>3,005,931</b> [13] A1</p> <p>[51] <b>Int.Cl. C07K 16/00 (2006.01) C07K 14/39 (2006.01) C07K 16/14 (2006.01) C07K 16/46 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>MULTISPECIFIC ANTIBODIES</b></p> <p>[54] <b>ANTICORPS MULTI-SPECIFIQUES</b></p> <p>[72] WRIGHT, MICHAEL JOHN, GB</p> <p>[71] UCB BIOPHARMA SPRL, BE</p> <p>[85] 2018-05-22</p> <p>[86] 2016-12-01 (PCT/EP2016/079432)</p> <p>[87] (WO2017/093404)</p> <p>[30] GB (1521391.1) 2015-12-03</p>	<p style="text-align: center;">[21] <b>3,005,934</b> [13] A1</p> <p>[51] <b>Int.Cl. G01L 27/00 (2006.01) F22B 1/28 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>DUAL CHAMBER SYSTEM AND METHOD TO GENERATE STEAM FOR CALIBRATION</b></p> <p>[54] <b>SYSTEME A DOUBLE CHAMBRE ET PROCEDE DE GENERATION DE VAPEUR DESTINEE A UN ETALONNAGE</b></p> <p>[72] AGAR, JORAM, KY</p> <p>[72] FARCHY, DAVID, US</p> <p>[71] AGAR CORPORATION LTD., KY</p> <p>[85] 2018-04-23</p> <p>[86] 2016-10-27 (PCT/US2016/059079)</p> <p>[87] (WO2017/075196)</p> <p>[30] US (14/923,813) 2015-10-27</p>
<p style="text-align: center;">[21] <b>3,005,932</b> [13] A1</p> <p>[51] <b>Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61P 29/00 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>IL-34 ANTISENSE OLIGONUCLEOTIDES AND METHODS OF USING SAME</b></p> <p>[54] <b>OLIGONUCLEOTIDES ANTISENS IL-34 ET LEURS PROCEDES D'UTILISATION</b></p> <p>[72] MCNULTY, MARIE, IE</p> <p>[72] VITI, FRANCESCA, CH</p> <p>[72] BELLIN VIA, SALVATORE, CH</p> <p>[71] NOGRA PHARMA LIMITED, IE</p> <p>[85] 2018-05-22</p> <p>[86] 2016-11-25 (PCT/EP2016/078833)</p> <p>[87] (WO2017/089555)</p> <p>[30] US (62/260,076) 2015-11-25</p>	<p style="text-align: center;">[21] <b>3,005,932</b> [13] A1</p> <p>[51] <b>Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61P 29/00 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>IL-34 ANTISENSE OLIGONUCLEOTIDES AND METHODS OF USING SAME</b></p> <p>[54] <b>OLIGONUCLEOTIDES ANTISENS IL-34 ET LEURS PROCEDES D'UTILISATION</b></p> <p>[72] MCNULTY, MARIE, IE</p> <p>[72] VITI, FRANCESCA, CH</p> <p>[72] BELLIN VIA, SALVATORE, CH</p> <p>[71] NOGRA PHARMA LIMITED, IE</p> <p>[85] 2018-05-22</p> <p>[86] 2016-11-25 (PCT/EP2016/078833)</p> <p>[87] (WO2017/089555)</p> <p>[30] US (62/260,076) 2015-11-25</p>	<p style="text-align: center;">[21] <b>3,005,934</b> [13] A1</p> <p>[51] <b>Int.Cl. G01L 27/00 (2006.01) F22B 1/28 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>DUAL CHAMBER SYSTEM AND METHOD TO GENERATE STEAM FOR CALIBRATION</b></p> <p>[54] <b>SYSTEME A DOUBLE CHAMBRE ET PROCEDE DE GENERATION DE VAPEUR DESTINEE A UN ETALONNAGE</b></p> <p>[72] AGAR, JORAM, KY</p> <p>[72] FARCHY, DAVID, US</p> <p>[71] AGAR CORPORATION LTD., KY</p> <p>[85] 2018-04-23</p> <p>[86] 2016-10-27 (PCT/US2016/059079)</p> <p>[87] (WO2017/075196)</p> <p>[30] US (14/923,813) 2015-10-27</p>

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[21] **3,005,935**  
[13] A1

[51] **Int.Cl. C08F 6/00 (2006.01) C08F 6/12 (2006.01)**

[25] EN

[54] **PROCESS FOR WITHDRAWING POLYOLEFINS**

[54] **PROCEDE DE SOUTIRAGE DE POLYOLEFINES**

[72] AL-HAJ ALI, MOHAMMAD, FI

[72] ERIKSSON, ERIK, SE

[72] VIJAY, SAMEER, AT

[72] MATHIVANAN, GUHAN, AT

[72] RASANEN, JUKKA, FI

[72] SLEIJSTER, HENRY, NL

[72] WURNITSCH, CHRISTOF, AT

[72] ZITTING, SAMULI, FI

[71] BOREALIS AG, AT

[85] 2018-05-22

[86] 2016-12-21 (PCT/EP2016/082113)

[87] (WO2017/108909)

[30] EP (15003631.7) 2015-12-21

[21] **3,005,937**  
[13] A1

[51] **Int.Cl. A61K 31/713 (2006.01) C12N 15/113 (2010.01) C07H 21/02 (2006.01) C12N 15/11 (2006.01)**

[25] EN

[54] **SIRNA STRUCTURES FOR HIGH ACTIVITY AND REDUCED OFF TARGET**

[54] **STRUCTURES DE SIARN POUR UNE ACTIVITE ELEVEE ET DE MOINDRES EFFETS HORS CIBLE**

[72] YING, WENBIN, US

[72] MINOMI, KENJIROU, JP

[72] HARBORTH, JENS, US

[72] CINA, CIMA, US

[72] ZHENG, JANE, US

[72] VAISH, NARENDRA, US

[71] NITTO DENKO CORPORATION, JP

[85] 2018-05-18

[86] 2016-12-12 (PCT/US2016/066239)

[87] (WO2017/106111)

[30] US (62/266,675) 2015-12-13

[21] **3,005,939**  
[13] A1

[51] **Int.Cl. C11D 3/30 (2006.01) C11D 3/37 (2006.01) C11D 17/00 (2006.01)**

[25] EN

[54] **THICKENED ANTIMICROBIAL HARD SURFACE CLEANERS**

[54] **NETTOYANTS ANTIMICROBIENS EPAISSIS POUR SURFACES DURES**

[72] AHIRWAL, DEEPAK, BE

[72] CERMENATI, LAURA, BE

[72] CEULEMANS, RAPHAEL ANGELINE ALFONS, BE

[72] MEERT, JORIS, BE

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2018-05-18

[86] 2016-12-13 (PCT/US2016/066265)

[87] (WO2017/112449)

[30] EP (15201807.3) 2015-12-22

[30] EP (16185116.7) 2016-08-22

[21] **3,005,936**  
[13] A1

[51] **Int.Cl. A47J 31/06 (2006.01) A47J 31/40 (2006.01) B65D 81/32 (2006.01) B65D 85/804 (2006.01)**

[25] EN

[54] **BEVERAGE PREPARATION SYSTEM AND CAPSULES**

[54] **SYSTEME DE PREPARATION DE BOISSON ET CAPSULES**

[72] WICKS, DAVID, GB

[72] KNOWLES, DAVE, GB

[72] MCCOY, TONY, GB

[72] HYDE, SAM, GB

[71] MARS, INCORPORATED, US

[85] 2018-05-22

[86] 2016-12-09 (PCT/GB2016/053894)

[87] (WO2017/098267)

[30] GB (1521882.9) 2015-12-11

[21] **3,005,938**  
[13] A1

[51] **Int.Cl. F16H 7/12 (2006.01) B65G 41/00 (2006.01)**

[25] EN

[54] **BELT-TENSIONING DEVICE**

[54] **DISPOSITIF TENDEUR DE COURROIE**

[72] LEBENDER, FRANK, DE

[72] DANIEL, ANDREAS, DE

[72] BELOSEVIC, VJEKOSLAV, DE

[72] KOHLER, TOBIAS, DE

[72] FULLER, KARL, DE

[72] BLESSING, OTTO, DE

[71] KLEEMANN GMBH, DE

[85] 2018-05-22

[86] 2016-12-21 (PCT/EP2016/082157)

[87] (WO2017/121594)

[30] DE (10 2016 100 509.6) 2016-01-13

[21] **3,005,940**  
[13] A1

[51] **Int.Cl. C08F 2/00 (2006.01) C08F 2/06 (2006.01) C08F 6/00 (2006.01) C08F 6/12 (2006.01) C08J 11/02 (2006.01)**

[25] EN

[54] **IN-LINE BLENDING PROCESS**

[54] **PROCEDE DE MELANGE EN LIGNE**

[72] SLEIJSTER, HENRY, NL

[72] AL-HAJ ALI, MOHAMMAD, FI

[72] RASANEN, JUKKA, FI

[72] ZITTING, SAMULI, FI

[72] BERGSTRA, MICHIEL, BE

[72] ERIKSSON, ERIK, SE

[72] WURNITSCH, CHRISTOF, AT

[72] MATHIVANAN, GUHAN, AT

[72] VIJAY, SAMEER, AT

[72] KANELLOPOULOS, VASILEIOS, FI

[72] AHO, JANI, FI

[72] TAKAKARHU, JOUNI, FI

[71] BOREALIS AG, AT

[85] 2018-05-22

[86] 2016-12-21 (PCT/EP2016/082184)

[87] (WO2017/108951)

[30] EP (15003632.5) 2015-12-21



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[21] **3,005,941**  
[13] A1

[51] **Int.Cl. A47C 16/00 (2006.01) A47C 1/024 (2006.01)**  
[25] EN  
[54] **IMPROVED SELF-ADJUSTABLE BACKREST DEVICE**  
[54] **DISPOSITIF DE DOSSIER AUTO-REGLABLE AMELIORE**  
[72] BLASCO ANDREU, RAFAEL, ES  
[71] BLASCO ANDREU, RAFAEL, ES  
[85] 2018-05-22  
[86] 2016-11-21 (PCT/ES2016/070830)  
[87] (WO2017/089638)  
[30] ES (U201531301) 2015-11-23  
[30] ES (U201631384) 2016-11-21

[21] **3,005,942**  
[13] A1

[51] **Int.Cl. G06Q 30/02 (2012.01)**  
[25] EN  
[54] **PREDICTIVE SEGMENTATION OF ENERGY CUSTOMERS**  
[54] **SEGMENTATION PREDICTIVE DE CLIENTS D'ENERGIE**  
[72] ALBERT, ADRIAN, US  
[72] MAASOUMY, MEHDI, US  
[71] C3 IOT, INC., US  
[85] 2018-05-18  
[86] 2016-12-15 (PCT/US2016/067002)  
[87] (WO2017/106544)  
[30] US (62/269,793) 2015-12-18

[21] **3,005,943**  
[13] A1

[51] **Int.Cl. G06F 3/0488 (2013.01) G06F 3/0482 (2013.01) G06F 3/01 (2006.01)**  
[25] EN  
[54] **SYSTEM FOR AND METHOD OF CONTROLLING FUNCTIONS IN A VEHICLE CABIN**  
[54] **SYSTEME ET PROCEDE DE COMMANDE DE FONCTIONS DANS UNE CABINE DE VEHICULE**  
[72] FAGAN, TIM, CA  
[72] BARTENBACH, JEFF, US  
[72] WALDMAN, ERICK, US  
[72] CONNER, BRIAN, US  
[72] NANCARROW, LINSEY, US  
[72] HOBBS, TOM, US  
[72] PIRIE, CHRIS, US  
[72] MCBRIDE, HEIDI, US  
[72] PETRY, SEBASTIAN, US  
[72] LAVALLEE, LOUIS-XAVIER, CA  
[72] MALEK, BRUCE, CA  
[71] BOMBARDIER INC., CA  
[85] 2018-05-22  
[86] 2015-11-23 (PCT/IB2015/059049)  
[87] (WO2017/089858)

[21] **3,005,944**  
[13] A1

[51] **Int.Cl. G06F 3/0362 (2013.01)**  
[25] EN  
[54] **SYSTEM FOR AND METHOD OF CONTROLLING FUNCTIONS IN A VEHICLE CABIN**  
[54] **SYSTEME ET PROCEDE DE COMMANDE DE FONCTIONS DANS UNE CABINE DE VEHICULE**  
[72] FAGAN, TIM, CA  
[72] JOHNSON, CHRISTIAN, CA  
[72] CONNER, BRIAN, US  
[72] BARTENBACH, JEFF, US  
[72] NANCARROW, LINSEY, US  
[72] HOBBS, TOM, US  
[72] WALDMAN, ERICK, US  
[72] PETRY, SEBASTIAN, US  
[72] LAVALLEE, LOUIS-XAVIER, CA  
[71] BOMBARDIER INC., CA  
[85] 2018-05-22  
[86] 2015-11-23 (PCT/IB2015/059050)  
[87] (WO2017/089859)

[21] **3,005,945**  
[13] A1

[51] **Int.Cl. C07D 471/10 (2006.01) A61K 31/47 (2006.01) A61K 31/519 (2006.01) A61P 35/02 (2006.01) C07D 487/10 (2006.01) C07D 495/04 (2006.01) C07D 513/04 (2006.01)**  
[25] EN  
[54] **INHIBITORS OF THE MENIN-MLL INTERACTION**  
[54] **INHIBITEURS DE L'INTERACTION MENINE-MLL**  
[72] CLAREMON, DAVID A., US  
[72] DONG, CHENGGUO, US  
[72] FAN, YI, US  
[72] JIA, LANQI, US  
[72] SINGH, SURESH B., US  
[72] VENKATRAMAN, SHANKAR, US  
[72] YUAN, JING, US  
[72] ZHENG, YAJUN, US  
[72] ZHUANG, LINGHANG, US  
[71] VITAE PHARMACEUTICALS, INC., US  
[85] 2018-05-18  
[86] 2016-12-21 (PCT/US2016/068016)  
[87] (WO2017/112768)  
[30] US (62/270,973) 2015-12-22

[21] **3,005,946**  
[13] A1

[51] **Int.Cl. H04L 29/08 (2006.01) B64D 11/00 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR REPRESENTING A LOCATION OF A FAULT IN AN AIRCRAFT CABIN**  
[54] **SYSTEME ET PROCEDE POUR REPRESENTER UN EMPLACEMENT D'UNE ANOMALIE DANS UNE CABINE D'AERONEF**  
[72] FAGAN, TIM, CA  
[72] MURPHY, ERIN, US  
[72] NANCARROW, LINSEY, US  
[72] BARTENBACH, JEFF, US  
[71] BOMBARDIER INC., CA  
[85] 2018-05-22  
[86] 2015-11-23 (PCT/IB2015/059053)  
[87] (WO2017/089862)

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[21] **3,005,947**  
[13] A1

[51] **Int.Cl. A01G 17/00 (2006.01)**  
[25] EN  
[54] **METHOD FOR PROPAGATION OF POPLAR TREE FROM LEAF CUTTINGS**  
[54] **PROCEDE DE PROPAGATION DE PEUPLIER A PARTIR DE BOUTURES DE FEUILLE**  
[72] GARCIA, ROLANDO, CL  
[72] VIZCARRA, GABRIELA, CL  
[71] BIOTECNOLOGICA EMPRESARIAL DEL SUR SPA, CL  
[85] 2018-05-22  
[86] 2016-11-22 (PCT/IB2016/057040)  
[87] (WO2017/089958)  
[30] CL (03438-2015) 2015-11-23

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[21] **3,005,949**  
[13] A1

[51] **Int.Cl. G06F 12/14 (2006.01) G06F 21/00 (2013.01)**  
[25] EN  
[54] **PROTECTION KEY MANAGEMENT AND PREFIXING IN VIRTUAL ADDRESS SPACE LEGACY EMULATION SYSTEM**  
[54] **GESTION DE CLE DE PROTECTION ET PREFIXAGE DANS UN SYSTEME D'EMULATION EXISTANT D'ESPACE D'ADRESSE VIRTUEL**  
[72] JAEGER, JAN, CH  
[71] LZLABS GMBH, CH  
[85] 2018-05-22  
[86] 2015-12-15 (PCT/IB2015/059646)  
[87] (WO2017/103651)

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[21] **3,005,950**  
[13] A1

[51] **Int.Cl. A61F 2/16 (2006.01) A61N 1/36 (2006.01) A61N 1/375 (2006.01) B29D 11/00 (2006.01) G02C 7/08 (2006.01)**  
[25] EN  
[54] **FLEXIBLE, HERMETIC ELECTRICAL INTERCONNECT FOR ELECTRONIC AND OPTOELECTRONIC DEVICES FOR IN VIVO USE**  
[54] **INTERCONNEXION ELECTRIQUE SOUPLE HERMETIQUE POUR DISPOSITIFS ELECTRONIQUES ET OPTOELECTRONIQUES DESTINES A ETRE UTILISES IN VIVO**  
[72] ZIELKE, MARK A., US  
[72] MATTES, MICHAEL F., US  
[71] NOVARTIS AG, CH  
[85] 2018-05-22  
[86] 2016-12-06 (PCT/IB2016/057383)  
[87] (WO2017/103734)  
[30] US (14/968,050) 2015-12-14

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[21] **3,005,951**  
[13] A1

[51] **Int.Cl. B01D 53/50 (2006.01) B01D 53/18 (2006.01) B01D 53/78 (2006.01)**  
[25] EN  
[54] **FLUE GAS DESULFURIZATION SYSTEM**  
[54] **APPAREIL DE DESULFURATION DE GAZ DE CARNEAU**  
[72] KUMAGAI, KAZUYA, JP  
[71] CHIYODA CORPORATION, JP  
[85] 2018-05-22  
[86] 2016-11-29 (PCT/JP2016/004997)  
[87] (WO2017/098697)  
[30] JP (2015-238290) 2015-12-07

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[21] **3,005,952**  
[13] A1

[51] **Int.Cl. A01G 29/00 (2006.01)**  
[25] EN  
[54] **DEVICE FOR THE TREATMENT OF SUBSTRATE BODIES WITH PLANTS**  
[54] **DISPOSITIF POUR LE TRAITEMENT DE CORPS DE SUBSTRAT AYANT DES PLANTES**  
[72] STOLZE, MARTIN, NL  
[71] M. STOLZE HOLDING B.V., NL  
[85] 2018-05-22  
[86] 2016-11-18 (PCT/NL2016/000021)  
[87] (WO2017/091062)  
[30] NL (1041584) 2015-11-23  
[30] NL (1042109) 2016-10-21

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[21] **3,005,953**  
[13] A1

[51] **Int.Cl. C12N 1/14 (2006.01) C12N 15/63 (2006.01) C12P 21/00 (2006.01)**  
[25] EN  
[54] **IMPROVED PROTEIN EXPRESSION STRAINS**  
[54] **SOUCHES AMELIOREES POUR L'EXPRESSION DE PROTEINES**  
[72] RAMAIYA, PREETHI, US  
[72] FINNIS, CHRISTOPHER JOHN ARTHUR, GB  
[72] NORDEIDE, PER KRISTOFFER, DK  
[72] MCLAUGHLAN, JENNIFER MARY, GB  
[71] ALBUMEDIX LTD, GB  
[85] 2018-05-18  
[86] 2016-12-22 (PCT/US2016/068239)  
[87] (WO2017/112847)  
[30] US (62/270,762) 2015-12-22  
[30] US (62/278,728) 2016-01-14  
[30] EP (16152977.1) 2016-01-27

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[21] **3,005,954**  
[13] A1

[51] **Int.Cl. A61N 1/378 (2006.01) A61N 1/39 (2006.01) H02J 7/02 (2016.01)**  
[25] EN  
[54] **POWERED CASE FOR ELECTRO-ACTIVE MEDICAL DEVICE BATTERY MANAGEMENT**  
[54] **BOITIER ELECTRIQUE POUR GESTION DE BATTERIE DE DISPOSITIF MEDICAL ELECTRO-ACTIF**  
[72] CAMPIN, JOHN ALFRED, US  
[72] MATTES, MICHAEL F., US  
[71] NOVARTIS AG, CH  
[85] 2018-05-22  
[86] 2016-12-12 (PCT/IB2016/057549)  
[87] (WO2017/103765)  
[30] US (14/973,214) 2015-12-17

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[21] **3,005,955**  
[13] A1

[51] **Int.Cl. A61F 9/008 (2006.01) A61B 3/00 (2006.01) A61F 2/16 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR EYE MEASUREMENTS AND CATARACT SURGERY PLANNING USING VECTOR FUNCTION DERIVED FROM PRIOR SURGERIES**

[54] **PROCEDE ET SYSTEME DE MESURES OCULAIRES ET PLANIFICATION D'UNE CHIRURGIE DE LA CATARACTE EN UTILISANT LA FONCTION VECTORIELLE DERIVEE DE CHIRURGIES ANTERIEURES**

[72] RAYMOND, THOMAS D., US  
[72] NEAL, DANIEL R., US  
[72] COPLAND, RICHARD J., US  
[72] XIONG, WEI, US  
[72] PULASKI, PAUL, US  
[72] FARRER, STEPHEN W., US  
[72] CANOVAS VIDAL, CARMEN, NL  
[72] HAMRICK, DANIEL R., US  
[71] AMO WAVEFRONT SCIENCES, LLC, US

[85] 2018-05-22  
[86] 2015-11-23 (PCT/US2015/062225)  
[87] (WO2017/091200)

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[21] **3,005,956**  
[13] A1

[51] **Int.Cl. A23K 10/20 (2016.01) A23K 10/30 (2016.01) A23K 50/40 (2016.01)**

[25] EN

[54] **FOOD PRODUCT FOR REDUCING MUSCLE BREAKDOWN AND METHODS THEREOF**

[54] **PRODUIT ALIMENTAIRE SERVANT A REDUIRE LA DEGRADATION MUSCULAIRE ET PROCEDES ASSOCIES**

[72] ALLAWAY, DAVID, GB  
[72] HEWSON-HUGHES, ADRIAN, GB  
[71] MARS, INCORPORATED, US

[85] 2018-05-22  
[86] 2016-12-19 (PCT/IB2016/057782)  
[87] (WO2017/103905)  
[30] GB (1522304.3) 2015-12-17

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[21] **3,005,957**  
[13] A1

[51] **Int.Cl. A61K 38/12 (2006.01) A61K 9/51 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01) A61P 29/00 (2006.01) A61P 31/04 (2006.01)**

[25] EN

[54] **THERAPEUTIC NANOPARTICLES COMPRISING AN ANTIBIOTIC AND METHODS OF MAKING AND USING SAME**

[54] **NANOPARTICULES THERAPEUTIQUES COMPRENANT UN ANTIBIOTIQUE ET LEURS METHODES DE PRODUCTION ET D'UTILISATION**

[72] ZALE, STEPHEN E., US  
[71] PFIZER INC., US

[85] 2018-05-22  
[86] 2016-11-21 (PCT/IB2016/057003)  
[87] (WO2017/089942)  
[30] US (62/260,075) 2015-11-25  
[30] US (62/286,734) 2016-01-25

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[21] **3,005,958**  
[13] A1

[51] **Int.Cl. B01D 47/00 (2006.01) B01D 45/10 (2006.01) B01D 47/02 (2006.01) B01D 53/18 (2006.01) B01D 53/50 (2006.01) B01D 53/75 (2006.01)**

[25] EN

[54] **LIQUID FILM DUST ARRESTER AND FLUE GAS DESULFURIZATION SYSTEM**

[54] **DISPOSITIF DE DEPOUSSIERAGE A RIDEAU DE LIQUIDE ET DISPOSITIF DE DESULFURATION DE GAZ DE CARNEAU**

[72] KUMAGAI, KAZUYA, JP  
[72] YASUDA, HIROKAZU, JP  
[72] KUROSAKI, NAOBUMI, JP  
[71] CHIYODA CORPORATION, JP

[85] 2018-05-22  
[86] 2016-11-29 (PCT/JP2016/004999)  
[87] (WO2017/098698)  
[30] JP (2015-238296) 2015-12-07

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[21] **3,005,959**  
[13] A1

[51] **Int.Cl. G06Q 20/32 (2012.01) G06Q 20/40 (2012.01) G06Q 20/42 (2012.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR USE IN VERIFYING RECURRING TRANSACTIONS TO PAYMENT ACCOUNTS**

[54] **SYSTEMES ET PROCEDES DESTINES A ETRE UTILISES LORS DE LA VERIFICATION DE TRANSACTIONS RECURRENTES VERS DES COMPTES DE PAIEMENT**

[72] VIENRAVEE, BRIAN, US  
[71] MASTERCARD INTERNATIONAL INCORPORATED, US

[85] 2018-05-22  
[86] 2016-11-22 (PCT/US2016/063268)  
[87] (WO2017/091553)  
[30] US (14/948,523) 2015-11-23

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[21] **3,005,960**  
[13] A1

[51] **Int.Cl. E21B 43/24 (2006.01) C07C 5/333 (2006.01) E21B 36/02 (2006.01)**

[25] EN

[54] **METHOD, APPARATUS, AND SYSTEM FOR ENHANCED OIL AND GAS RECOVERY WITH SUPER FOCUSED HEAT**

[54] **PROCEDE, APPAREIL ET SYSTEME D'AMELIORATION DE LA RECUPERATION DE PETROLE ET DE GAZ PAR CHALEUR HYPER-CONCENTREE**

[72] JURANITCH, JAMES C., US  
[71] XDI HOLDINGS, LLC, US

[85] 2018-05-22  
[86] 2016-11-22 (PCT/US2016/063339)  
[87] (WO2017/087989)  
[30] US (62/258,512) 2015-11-22

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[21] **3,005,961**  
[13] A1

[51] **Int.Cl. A61K 31/7076 (2006.01) A61P 1/16 (2006.01)**  
[25] EN  
[54] **AN A3 ADENOSINE RECEPTOR LIGAND FOR USE IN TREATING ECTOPIC FAT ACCUMULATION**  
[54] **LIGAND DU RECEPTEUR DE L'ADENOSINE A3 POUR LE TRAITEMENT DE L'ACCUMULATION DE GRAISSE ECTOPIQUE**  
[72] FISHMAN, PNINA, IL  
[72] COHEN, SHIRA, IL  
[71] CAN-FITE BIOPHARMA LTD., IL  
[85] 2018-05-22  
[86] 2016-11-22 (PCT/IL2016/051258)  
[87] (WO2017/090036)  
[30] IL (242723) 2015-11-23

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[21] **3,005,962**  
[13] A1

[51] **Int.Cl. E21B 41/00 (2006.01) E21B 34/00 (2006.01) E21B 34/06 (2006.01)**  
[25] EN  
[54] **DOWNHOLE SCALE REMEDIATION ABOVE A DOWNHOLE SAFETY VALVE**  
[54] **DETARTRAGE EN FOND DE TROU AU-DESSUS D'UNE SOUPEPE DE SECURITE DE FOND DE TROU**  
[72] MEBRATU, AMARE AMBAYE, NO  
[72] CHOUDHARY, YOGESH KUMAR, NO  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2018-05-22  
[86] 2016-02-26 (PCT/US2016/019761)  
[87] (WO2017/146725)

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[21] **3,005,963**  
[13] A1

[51] **Int.Cl. C07H 21/04 (2006.01) C12P 19/34 (2006.01) C12Q 1/04 (2006.01) C12Q 1/68 (2018.01) G01N 33/569 (2006.01)**  
[25] EN  
[54] **METHOD AND SYSTEM FOR MICROBIOME-DERIVED DIAGNOSTICS AND THERAPEUTICS FOR BACTERIAL VAGINOSIS**  
[54] **PROCEDE ET SYSTEME DE DIAGNOSTIC ET DE THERAPIE DERIVES DU MICROBIOME POUR LA VAGINOSE BACTERIENNE**  
[72] APTE, ZACHARY, US  
[72] RICHMAN, JESSICA, US  
[72] ALMONACID, DANIEL, US  
[72] BEHBAHANI, SIAVOSH REZVAN, US  
[71] UBIOME, INC., US  
[85] 2018-05-22  
[86] 2016-09-09 (PCT/US2016/051156)  
[87] (WO2017/044886)  
[30] US (62/216,082) 2015-09-09

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[21] **3,005,964**  
[13] A1

[51] **Int.Cl. A61N 5/10 (2006.01) G21K 1/04 (2006.01)**  
[25] EN  
[54] **RADIATION BEAM COLLIMATING SYSTEMS AND METHODS**  
[54] **SYSTEMES ET PROCEDES DE COLLIMATION DE FAISCEAU DE RAYONNEMENT**  
[72] KAWRYKOW, IWAN, US  
[72] DEMPSEY, JAMES F., US  
[72] KUDUVALLI, GOPINATH, US  
[72] SHARMA, AMIT, US  
[72] FOUGHT, GERALD E., US  
[71] VIEWRAY TECHNOLOGIES, INC., US  
[85] 2018-05-22  
[86] 2016-11-22 (PCT/US2016/063416)  
[87] (WO2017/091621)  
[30] US (62/259,570) 2015-11-24

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[21] **3,005,965**  
[13] A1

[51] **Int.Cl. G05D 1/00 (2006.01) A62C 3/00 (2006.01) B64C 39/02 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR PAYLOAD DISPERSION USING UAVS**  
[54] **SYSTEME ET PROCEDE DE DISPERSION DE CHARGE UTILE EN UTILISANT DES UAV**  
[72] ZILBERSTEIN, ARIEL, IL  
[72] GRAFF, UDI, IL  
[71] ALMOG RESCUE SYSTEMS LTD., IL  
[85] 2018-05-22  
[86] 2016-11-23 (PCT/IL2016/051262)  
[87] (WO2017/090040)  
[30] IL (242716) 2015-11-23  
[30] IL (243182) 2015-12-17  
[30] IL (245071) 2016-04-12

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[21] **3,005,966**  
[13] A1

[51] **Int.Cl. A01N 63/00 (2006.01) A01N 65/00 (2009.01) A61B 5/00 (2006.01) A61K 9/00 (2006.01) A61K 35/66 (2015.01) A61K 35/74 (2015.01)**  
[25] EN  
[54] **METHODS AND COMPOSITIONS FOR IDENTIFYING AND TREATING SUBJECTS AT RISK FOR CHECKPOINT BLOCKADE THERAPY ASSOCIATED COLITIS**  
[54] **METHODES ET COMPOSITIONS POUR L'IDENTIFICATION ET LE TRAITEMENT DE SUJETS A RISQUE DE DEVELOPPER UNE COLITE ASSOCIEE A UNE THERAPIE DE BLOCAGE DE POINTS DE CONTROLE**  
[72] PAMER, ERIC, US  
[72] WOLCHOK, JEDD D., US  
[72] DUBIN, KRISTA, US  
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US  
[85] 2018-05-22  
[86] 2016-11-23 (PCT/US2016/063530)  
[87] (WO2017/091694)  
[30] US (62/259,445) 2015-11-24

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[21] **3,005,967**  
[13] A1

[51] **Int.Cl. C08J 3/05 (2006.01) C08J 3/07 (2006.01) C08K 5/01 (2006.01) C08L 23/08 (2006.01) C10L 1/197 (2006.01) C10L 10/16 (2006.01)**

[25] EN

[54] **AQUEOUS EMULSIONS CONTAINING ETHYLENE-VINYL ACETATE COPOLYMERS, PREPARATION PROCESS THEREOF AND THEIR USE AS ANTI-GELLING ADDITIVES OF CRUDE OILS**

[54] **EMULSIONS AQUEUSES CONTENANT DES COPOLYMERES D'ETHYLENE-ACETATE DE VINYLE, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION COMME ADDITIFS ANTI-GELIFICATION DE PETROLES BRUTS**

[72] CASALINI, ALESSANDRO, IT  
[72] AGNOLI, MICHELA, IT  
[72] MARIANI, PAOLO, IT  
[72] LIMA, ROMANO, IT  
[72] MERLINI, MASSIMO, IT  
[71] VERSALIS S.P.A., IT  
[71] ENI S.P.A., IT  
[85] 2018-05-22  
[86] 2016-12-02 (PCT/IB2016/057305)  
[87] (WO2017/093962)  
[30] IT (102015000079982) 2015-12-03

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[21] **3,005,968**  
[13] A1

[51] **Int.Cl. C12N 15/11 (2006.01) C12N 15/113 (2010.01) C07K 19/00 (2006.01) C12N 15/62 (2006.01)**

[25] EN

[54] **TRACKING AND MANIPULATING CELLULAR RNA VIA NUCLEAR DELIVERY OF CRISPR/CAS9**

[54] **SUIVI ET MANIPULATION D'ARN CELLULAIRE PAR DISTRIBUTION NUCLEAIRE DE CRISPR/CAS9**

[72] YEO, GENE, US  
[72] NELLES, DAVID, US  
[72] FANG, MARK, US  
[72] BATRA, RANJAN, US  
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[71] FANG, MARK, US  
[71] BATRA, RANJAN, US  
[85] 2018-05-22  
[86] 2016-11-22 (PCT/US2016/063429)  
[87] (WO2017/091630)  
[30] US (62/259,014) 2015-11-23

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[21] **3,005,969**  
[13] A1

[51] **Int.Cl. A61F 9/008 (2006.01) A61B 18/18 (2006.01) A61B 18/20 (2006.01) A61F 2/02 (2006.01) A61N 5/06 (2006.01)**

[25] EN

[54] **LASER-ASSISTED DRUG DELIVERY SYSTEM**

[54] **SYSTEME D'ADMINISTRATION DE MEDICAMENT ASSISTEE PAR LASER**

[72] ELMAN, NOEL, US  
[71] THE CHARLES STARK DRAPER LABORATORY, INC., US  
[85] 2018-05-22  
[86] 2016-11-23 (PCT/US2016/063531)  
[87] (WO2017/091695)  
[30] US (62/259,342) 2015-11-24

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[21] **3,005,970**  
[13] A1

[51] **Int.Cl. A61M 39/10 (2006.01) A61M 5/28 (2006.01)**

[25] EN

[54] **SYRINGE AND CONNECTOR SYSTEM**

[54] **SERINGUE ET SYSTEME DE CONNECTEUR**

[72] SCHRAUDER, MATTHEW, US  
[72] CAIN, BRIAN, US  
[72] COUSLEY, MICHAEL, US  
[72] COWAN, KEVIN, US  
[72] SPOHN, MICHAEL, US  
[72] PARMER, TIMOTHY, US  
[72] BECHSTEIN, JUSTIN, US  
[72] POLCIN, RYAN, US  
[72] JANG, SAM, US  
[72] HEGGERNES, DAVE, US  
[72] SANDEKIAN, PATRICIA, US  
[72] POLLITT, JACK, US  
[72] ODEGARD, JEREMY, US  
[72] WOLGEMUTH, DAVID, US  
[71] BAYER HEALTHCARE LLC, US  
[85] 2018-05-22  
[86] 2016-11-23 (PCT/US2016/063448)  
[87] (WO2017/091635)  
[30] US (62/259,891) 2015-11-25

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[21] **3,005,971**  
[13] A1

[51] **Int.Cl. F02N 11/12 (2006.01) H02J 7/32 (2006.01)**

[25] EN

[54] **BATTERY CONNECTOR DEVICE FOR A BATTERY JUMP STARTING DEVICE**

[54] **DISPOSITIF CONNECTEUR DE BATTERIE POUR UN DISPOSITIF DE BATTERIE DE DEMARRAGE DE SECOURS**

[72] NOOK, JONATHAN LEWIS, US  
[72] NOOK, WILLIAM KNIGHT, US  
[72] STANFIELD, JAMES RICHARD, US  
[72] UNDERHILL, DEREK MICHAEL, US  
[71] THE NOCO COMPANY, US  
[85] 2018-05-22  
[86] 2017-02-10 (PCT/US2017/017289)  
[87] (WO2017/139524)  
[30] US (62/294,067) 2016-02-11  
[30] US (PCT/US2016/024680) 2016-03-29  
[30] US (15/137,626) 2016-04-25  
[30] US (62/424,297) 2016-11-18

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[21] **3,005,972**  
[13] A1

[51] **Int.Cl. C12M 1/12 (2006.01)**

[25] EN

[54] **MICROFLUIDIC CHIP MODULES, SYSTEMS, AND METHODS FOR IMPROVING AIR QUALITY**

[54] **MODULES DE PUCES MICROFLUIDIQUES, SYSTEMES ET PROCEDES D'AMELIORATION DE LA QUALITE DE L'AIR**

[72] ADAMS, ALINA, US  
[72] NEDDERSEN, ANASTASIA, US  
[71] ARTVEOLI, INC., US  
[85] 2018-05-22  
[86] 2016-10-25 (PCT/US2016/058713)  
[87] (WO2017/074959)  
[30] US (62/246,196) 2015-10-26  
[30] US (62/333,644) 2016-05-09

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[21] **3,005,973**  
[13] A1

[51] **Int.Cl. F24F 13/02 (2006.01)**  
[25] EN  
[54] **INSULATED DUCT WITH AIR GAP AND METHOD OF USE**  
[54] **CONDUIT ISOLE A INTERVALLE D'AIR ET SON PROCEDE D'UTILISATION**  
[72] CARLAY, RONALD L., US  
[72] SCHLAGETER, JOHN CULLEN, US  
[72] CAMPBELL, DONALD B., US  
[71] FLEXIBLE TECHNOLOGIES, INC., US  
[85] 2018-05-22  
[86] 2016-11-23 (PCT/US2016/063539)  
[87] (WO2017/091699)  
[30] US (62/258,607) 2015-11-23

[21] **3,005,974**  
[13] A1

[51] **Int.Cl. A61J 1/20 (2006.01)**  
[25] EN  
[54] **SYRINGE FILL ADAPTER**  
[54] **ADAPTATEUR DE REMPLISSAGE DE SERINGUE**  
[72] COWAN, KEVIN P., US  
[72] DEDIG, JAMES A., US  
[72] SCHRAUDER, MATTHEW, US  
[72] SPOHN, MICHAEL A., US  
[72] MCDERMOTT, MICHAEL, US  
[72] MCGEE, MATTHEW, US  
[71] BAYER HEALTHCARE LLC, US  
[85] 2018-05-22  
[86] 2016-11-23 (PCT/US2016/063461)  
[87] (WO2017/091643)  
[30] US (62/259,906) 2015-11-25

[21] **3,005,975**  
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 38/18 (2006.01) A61P 27/02 (2006.01)**  
[25] EN  
[54] **METHODS FOR TREATING EYE DISORDERS**  
[54] **METHODE DE TRAITEMENT DE TROUBLES OCULAIRES**  
[72] SHERMAN, MATTHEW L., US  
[72] ATTIE, KENNETH M., US  
[71] ACCELERON PHARMA INC., US  
[85] 2018-05-22  
[86] 2016-11-23 (PCT/US2016/063557)  
[87] (WO2017/091706)  
[30] US (62/258,934) 2015-11-23

[21] **3,005,976**  
[13] A1

[51] **Int.Cl. E21B 43/22 (2006.01) C08F 220/56 (2006.01) C09K 8/588 (2006.01) C09K 8/68 (2006.01) E21B 43/267 (2006.01)**  
[25] EN  
[54] **WEAK GEL SYSTEM FOR CHEMICAL ENHANCED OIL RECOVERY**  
[54] **SYSTEME A GEL REVERSIBLE POUR RECUPERATION D'HYDROCARBURES ASSISTEE PAR VOIE CHIMIQUE**  
[72] SZALAI, MICHAEL L., US  
[72] LIU, MEI, US  
[72] CHANG, KIN-TAI, US  
[71] ECOLAB USA INC., US  
[85] 2018-05-22  
[86] 2016-11-23 (PCT/US2016/063469)  
[87] (WO2017/091649)  
[30] US (62/258,808) 2015-11-23

[21] **3,005,977**  
[13] A1

[51] **Int.Cl. C07K 1/00 (2006.01) C07K 1/13 (2006.01) G01N 27/62 (2006.01) G01N 30/72 (2006.01) G01N 33/58 (2006.01) G01N 33/68 (2006.01)**  
[25] EN  
[54] **METHODS OF DETECTING AND TREATING PULMONARY HYPERTENSION**  
[54] **PROCEDES DE DETECTION ET DE TRAITEMENT DE L'HYPERTENSION PULMONAIRE**  
[72] ZISMAN, LAWRENCE S., US  
[71] RENSSLAER CENTER FOR TRANSLATIONAL RESEARCH, INC., US  
[85] 2018-05-22  
[86] 2016-11-09 (PCT/US2016/061189)  
[87] (WO2017/083425)  
[30] US (62/253,184) 2015-11-10

[21] **3,005,978**  
[13] A1

[51] **Int.Cl. F25J 3/06 (2006.01) B01B 1/00 (2006.01) C10L 3/06 (2006.01) F25J 1/00 (2006.01) F25J 1/02 (2006.01) F25J 3/02 (2006.01)**  
[25] EN  
[54] **USE OF EDUCTOR FOR LIQUID DISPOSAL FROM VESSEL**  
[54] **UTILISATION D'UN EJECTEUR POUR L'ELIMINATION DE LIQUIDE A PARTIR D'UN RECIPIENT**  
[72] KENEFAKE, DARYL A., US  
[72] WILKINS, JAMES T., US  
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US  
[85] 2018-05-22  
[86] 2016-11-29 (PCT/US2016/063987)  
[87] (WO2017/095804)  
[30] US (62/262,629) 2015-12-03  
[30] US (62/422,690) 2016-11-16

[21] **3,005,979**  
[13] A1

[51] **Int.Cl. A61K 8/73 (2006.01) A61K 8/02 (2006.01) A61K 8/49 (2006.01) A61K 9/00 (2006.01) A61L 15/28 (2006.01) A61L 15/60 (2006.01) A61L 27/48 (2006.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01)**  
[25] EN  
[54] **BIOTECHNOLOGICALLY-PRODUCED CELLULOSE-CONTAINING ARTICLE FOR DERMATOLOGICAL USE**  
[54] **ARTICLE CONTENANT DE LA CELLULE PRODUIT PAR UNE BIOTECHNOLOGIQUE A USAGE DERMATOLOGIQUE**  
[72] HESSLER, NADINE, DE  
[71] JENACELL GMBH, DE  
[85] 2018-05-23  
[86] 2016-09-27 (PCT/EP2016/072972)  
[87] (WO2017/089005)  
[30] EP (15196348.5) 2015-11-25

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[21] **3,005,980**  
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) C12N 5/075 (2010.01) A01K 67/027 (2006.01) C12N 7/00 (2006.01) C12N 15/19 (2006.01) C12N 15/63 (2006.01) C12N 15/90 (2006.01)**

[25] EN  
[54] **PRODUCTION OF VIRUSES IN AVIAN EGGS**  
[54] **PRODUCTION DE VIRUS DANS DES OEUFS AVIAIRES**

[72] BEAN, ANDREW, AU  
[72] LOWENTHAL, JOHN WILLIAM, AU  
[72] MALAVER-ORTEGA, LUIS FERNANDO, AU  
[72] TRIPP, RALPH A., US  
[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU  
[71] UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC., US  
[85] 2018-05-23  
[86] 2016-11-23 (PCT/AU2016/051146)  
[87] (WO2017/088017)  
[30] AU (2015904854) 2015-11-24

[21] **3,005,981**  
[13] A1

[51] **Int.Cl. A61L 2/20 (2006.01) A61G 10/00 (2006.01) A61H 33/14 (2006.01) A61L 9/015 (2006.01) B01J 15/00 (2006.01) C01B 13/10 (2006.01)**

[25] EN  
[54] **DEVICES, SYSTEMS AND METHODS FOR TREATING MEDICAL DEVICES HAVING PASSAGEWAYS WITH OZONE GAS**  
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE TRAITEMENT DE DISPOSITIFS MEDICAUX COMPRENANT DES VOIES DE PASSAGE D'OZONE GAZEUX**

[72] LEYVA, TIMOTHY, US  
[72] OLSZTA, WILLIAM E., US  
[71] SOCLEAN, INC., US  
[85] 2018-05-22  
[86] 2017-04-27 (PCT/US2017/029950)  
[87] (WO2017/189916)  
[30] US (15/141,216) 2016-04-28

[21] **3,005,982**  
[13] A1

[51] **Int.Cl. A01N 37/02 (2006.01) A01N 37/06 (2006.01) A01N 37/38 (2006.01) A01N 59/16 (2006.01) A01N 59/20 (2006.01)**

[25] EN  
[54] **COMPOSITION FOR CROP CARE AND PROTECTION**  
[54] **COMPOSITION POUR LE SOIN ET LA PROTECTION DE CULTURES**

[72] LEONARDI, GIULIANO, IT  
[72] VECCHI, ALFEO, GB  
[71] ALPHA BIOPESTICIDES LIMITED, GB  
[85] 2018-05-23  
[86] 2016-11-08 (PCT/EP2016/076975)  
[87] (WO2017/092978)  
[30] IT (102015000080379) 2015-12-04

[21] **3,005,983**  
[13] A1

[51] **Int.Cl. C07C 317/04 (2006.01) C07C 69/67 (2006.01) C07C 381/00 (2006.01)**

[25] EN  
[54] **SITE-SPECIFIC ISOTOPIC LABELING OF 1,4-DIENE SYSTEMS**  
[54] **MARQUAGE ISOTOPIQUE SPECIFIQUE DE SITE DE SYSTEMES 1,4-DIENES**

[72] VIDOVIC, DRAGOSLAV, RS  
[72] SHCHEPINOV, MIKHAIL SERGEEVICH, GB  
[71] RETROTOPE, INC., US  
[85] 2018-05-22  
[86] 2016-09-09 (PCT/US2016/051119)  
[87] (WO2017/091279)  
[30] US (62/258,993) 2015-11-23

[21] **3,005,984**  
[13] A1

[51] **Int.Cl. B66B 1/32 (2006.01) B66B 5/00 (2006.01)**

[25] EN  
[54] **METHOD FOR DRIVING A BRAKE DEVICE OF A LIFT SYSTEM**  
[54] **PROCEDE DE COMMANDE D'UN DISPOSITIF DE FREINAGE D'UNE INSTALLATION D'ASCENSEUR**

[72] STUDER, CHRISTIAN, CH  
[72] CAMBRUZZI, ANDREA, CH  
[71] INVENTIO AG, CH  
[85] 2018-05-23  
[86] 2016-11-18 (PCT/EP2016/078177)  
[87] (WO2017/093050)  
[30] EP (15197413.6) 2015-12-02

[21] **3,005,985**  
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) G06F 19/12 (2011.01) G06F 19/22 (2011.01) G06F 19/28 (2011.01) C12Q 1/68 (2018.01) G06F 19/00 (2018.01)**

[25] EN  
[54] **METHOD AND SYSTEM FOR MICROBIOME-DERIVED DIAGNOSTICS AND THERAPEUTICS INFECTIOUS DISEASE AND OTHER HEALTH CONDITIONS ASSOCIATED WITH ANTIBIOTIC USAGE**  
[54] **PROCEDE ET SYSTEME POUR DIAGNOSTICS DERIVES DU MICROBIOME ET AGENTS THERAPEUTIQUES POUR UNE MALADIE INFECTIEUSE OU D'AUTRES ETATS DE SANTE ASSOCIES A L'UTILISATION D'ANTIBIOTIQUES**

[72] APTE, ZACHARY, US  
[72] RICHMAN, JESSICA, US  
[72] ALMONACID, DANIEL, US  
[72] BEHBAHANI, SIAVOSH REZVAN, US  
[71] UBIOME, INC., US  
[85] 2018-05-22  
[86] 2016-09-09 (PCT/US2016/051149)  
[87] (WO2017/044880)  
[30] US (62/215,891) 2015-09-09

[21] **3,005,986**  
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/40 (2006.01)**

[25] EN  
[54] **CD39 VASCULAR ISOFORM TARGETING AGENTS**  
[54] **AGENT DE CIBLAGE DE L'ISOFORME VASCULAIRE DE CD39**

[72] BASTID, JEREMY, FR  
[72] GAUTHIER, LAURENT, FR  
[72] PATUREL, CARINE, FR  
[72] PERROT, IVAN, FR  
[72] ROUSSEL, ALAIN, FR  
[72] AMIGUES, BEATRICE, FR  
[71] INNATE PHARMA, FR  
[71] OREGA BIOTECH, FR  
[85] 2018-05-23  
[86] 2016-11-22 (PCT/EP2016/078395)  
[87] (WO2017/089334)  
[30] US (62/258,701) 2015-11-23  
[30] US (62/263,760) 2015-12-07  
[30] US (62/267,343) 2015-12-15  
[30] US (62/320,738) 2016-04-11  
[30] US (62/404,779) 2016-10-06

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[51] <b>Int.Cl. C12Q 1/68 (2018.01) G06F 19/10 (2011.01) G06F 19/18 (2011.01) G06F 19/20 (2011.01)</b>	[51] <b>Int.Cl. C12N 15/00 (2006.01) A61K 39/00 (2006.01) A61K 39/145 (2006.01) A61K 39/155 (2006.01) A61K 39/17 (2006.01) C12N 7/00 (2006.01) C12N 15/06 (2006.01)</b>	[51] <b>Int.Cl. A61B 17/16 (2006.01) A61B 34/20 (2016.01) A61B 17/32 (2006.01) A61B 17/00 (2006.01)</b>
[25] EN	[25] EN	[25] EN
[54] <b>METHOD AND SYSTEM FOR MICROBIOME-DERIVED DIAGNOSTICS AND THERAPEUTICS FOR CONDITIONS ASSOCIATED WITH GASTROINTESTINAL HEALTH</b>	[54] <b>PRODUCTION OF VIRUSES IN CELL CULTURE</b>	[54] <b>SURGICAL INSTRUMENT WITH TELESCOPING NOSE MECHANISM</b>
[54] <b>PROCEDE ET SYSTEME POUR DES DIAGNOSTICS DERIVES DU MICROBIOME ET AGENTS THERAPEUTIQUES POUR DES AFFECTIONS ASSOCIEES A LA SANTE GASTRO-INTESTINALE</b>	[54] <b>PRODUCTION DE VIRUS DANS UNE CULTURE CELLULAIRE</b>	[54] <b>INSTRUMENT CHIRURGICAL COMPRENANT UN MECANISME DE BEC TELESCOPIQUE</b>
[72] APTE, ZACHARY, US	[72] BEAN, ANDREW, AU	[72] BOZUNG, TIMOTHY J., US
[72] RICHMAN, JESSICA, US	[72] LOWENTHAL, JOHN WILLIAM, AU	[71] STRYKER CORPORATION, US
[72] ALMONACID, DANIEL, US	[72] MALAVER-ORTEGA, LUIS	[85] 2018-05-22
[72] BEHBAHANI, SIAVOSH REZVAN, US	[72] FERNANDO, AU	[86] 2016-11-30 (PCT/US2016/064128)
[71] UBIOME, INC., US	[72] TRIPP, RALPH A, US	[87] (WO2017/095870)
[85] 2018-05-22	[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU	[30] US (62/260,851) 2015-11-30
[86] 2016-09-09 (PCT/US2016/051174)	[71] UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC., US	
[87] (WO2017/044901)	[85] 2018-05-23	[21] <b>3,005,992</b> [13] A1
[30] US (62/215,900) 2015-09-09	[86] 2016-11-23 (PCT/AU2016/051147)	[51] <b>Int.Cl. A61K 9/51 (2006.01)</b>
[30] US (62/215,912) 2015-09-09	[87] (WO2017/088018)	[25] EN
[30] US (62/216,086) 2015-09-09	[30] AU (2015904851) 2015-11-24	[54] <b>TREATMENT OF CENTRAL NERVOUS TUMOURS</b>
[30] US (62/216,049) 2015-09-09		[54] <b>TRAITEMENT DE TUMEURS DU SYSTEME NERVEUX CENTRAL</b>
[30] US (62/215,892) 2015-09-09	[21] <b>3,005,990</b> [13] A1	[72] DE VLEESCHOUWER, STEVEN, BE
[30] US (62/216,023) 2015-09-09	[51] <b>Int.Cl. E21B 34/06 (2006.01) E21B 43/26 (2006.01)</b>	[72] VAN WOENSEL, MATTHIAS, BE
	[25] EN	[72] AMIGHI, KARIM, BE
	[54] <b>WELLBORE TUBULARS INCLUDING A PLURALITY OF SELECTIVE STIMULATION PORTS AND METHODS OF UTILIZING THE SAME</b>	[72] WAUTHOZ, NATHALIE, BE
	[54] <b>TUBULAIRES DE Puits DE FORAGE COMPRENANT UNE PLURALITE D'ORIFICES DE STIMULATION SELECTIVE ET PROCEDES D'UTILISATION ASSOCIES</b>	[72] ROSIERE, REMI, BE
	[72] TOLMAN, RANDY C., US	[71] KATHOLIEKE UNIVERSITEIT LEUVEN, BE
	[72] SPIECKER, P. MATTHEW, US	[71] UNIVERSITE LIBRE DE BRUXELLES, BE
	[72] LONNES, STEVE, US	[85] 2018-05-23
	[72] HALL, TIMOTHY J., US	[86] 2016-11-23 (PCT/EP2016/078547)
	[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US	[87] (WO2017/089392)
	[85] 2018-05-22	[30] GB (1520600.6) 2015-11-23
	[86] 2016-09-13 (PCT/US2016/051504)	
	[87] (WO2017/095496)	
	[30] US (62/262,036) 2015-12-02	
[21] <b>3,005,988</b> [13] A1		
[51] <b>Int.Cl. E21B 44/00 (2006.01) E21B 29/00 (2006.01) E21B 44/02 (2006.01)</b>		
[25] EN		
[54] <b>MILL-RIGHT SYSTEM</b>		
[54] <b>SYSTEME DE TYPE MILL-RIGHT</b>		
[72] HASSARD, CECIL, CA		
[71] COIL SOLUTIONS, INC., CA		
[85] 2018-05-23		
[86] 2016-11-23 (PCT/CA2016/051373)		
[87] (WO2017/088052)		
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<p style="text-align: center;">[21] <b>3,005,994</b> [13] A1</p> <p>[51] <b>Int.Cl. C07K 16/00 (2006.01) C07K 14/39 (2006.01) C07K 16/14 (2006.01) C07K 16/46 (2006.01) G01N 33/50 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>METHOD EMPLOYING BISPECIFIC ANTIBODIES</b></p> <p>[54] <b>PROCEDE METTANT EN ŒUVRE DES ANTICORPS BISPECIFIQUES</b></p> <p>[72] RAPECKI, STEPHEN EDWARD, GB [71] UCB BIOPHARMA SPRL, BE [85] 2018-05-23 [86] 2016-12-01 (PCT/EP2016/079440) [87] (WO2017/093408) [30] GB (1521383.8) 2015-12-03</p>	<p style="text-align: center;">[21] <b>3,005,997</b> [13] A1</p> <p>[51] <b>Int.Cl. A61K 31/7024 (2006.01) A61K 31/70 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/32 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>CANCER TREATMENT USING 2-DEOXY-2-FLUORO-L-FUCOSE IN COMBINATION WITH A CHECKPOINT INHIBITOR</b></p> <p>[54] <b>TRAITEMENT DU CANCER A L'AIDE DE 2-DESOXY-2-FLUORO-L-FUCOSE EN ASSOCIATION AVEC UN INHIBITEUR DE POINT DE CONTROLE</b></p> <p>[72] GARDAL, SHYRA, US [72] LAW, CHE-LEUNG, US [72] SENTER, PETER, US [72] OKELEY, NICOLE, US [72] FIELD, JESSICA, US [71] SEATTLE GENETICS, INC., US [85] 2018-05-22 [86] 2016-12-02 (PCT/US2016/064783) [87] (WO2017/096274) [30] US (62/263,228) 2015-12-04 [30] US (62/308,583) 2016-03-15 [30] US (62/321,857) 2016-04-13</p>	<p style="text-align: center;">[21] <b>3,005,999</b> [13] A1</p> <p>[51] <b>Int.Cl. C12P 19/02 (2006.01) C12M 1/00 (2006.01) C12P 7/10 (2006.01) C12P 19/14 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>USING DISSOLVED OXYGEN TO INHIBIT LACTIC ACID PRODUCTION DURING PROPAGATION OF YEAST AND/OR HYDROLYSIS OF LIGNOCELLULOSIC BIOMASS</b></p> <p>[54] <b>UTILISATION D'OXYGENE DISSOUS POUR INHIBER LA PRODUCTION D'ACIDE LACTIQUE PENDANT LA PROPAGATION DE LA LEVURE ET/OU L'HYDROLYSE DE BIOMASSE LIGNOCELLULOSIQUE</b></p> <p>[72] KARL, ZACHARY J., US [71] POET RESEARCH, INC., US [85] 2018-05-22 [86] 2016-11-10 (PCT/US2016/061336) [87] (WO2017/091361) [30] US (62/259,552) 2015-11-24</p>

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[13] A1

[51] **Int.Cl. A61K 38/04 (2006.01) A61K 38/06 (2006.01) A61K 38/07 (2006.01) C07K 5/02 (2006.01) C07K 5/078 (2006.01) C07K 5/10 (2006.01) C07K 19/00 (2006.01)**

[25] EN

[54] **CONJUGATES OF QUATERNIZED TUBULYSIN COMPOUNDS**

[54] **CONJUGUES DE COMPOSES DE TUBULYSINE QUATERNISES**

[72] BURKE, PATRICK J., US

[72] COURTER, JOEL, US

[71] SEATTLE GENETICS, INC., US

[85] 2018-05-22

[86] 2016-12-02 (PCT/US2016/064834)

[87] (WO2017/096311)

[30] US (62/263,578) 2015-12-04

[30] US (62/263,587) 2015-12-04

[30] US (62/309,448) 2016-03-16

[30] US (62/309,462) 2016-03-17

[21] **3,006,002**  
[13] A1

[51] **Int.Cl. B23K 9/04 (2006.01) B23K 26/342 (2014.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01) B22F 3/10 (2006.01) B23K 26/06 (2014.01) B23K 26/073 (2006.01) B29C 67/00 (2017.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR SINGLE CRYSTAL GROWTH WITH ADDITIVE MANUFACTURING**

[54] **SYSTEME ET PROCEDE POUR CROISSANCE DE MONOCRISTAL AVEC FABRICATION ADDITIVE**

[72] XIAO, ZHIGANG, US

[71] HOBART BROTHERS COMPANY, US

[85] 2018-05-22

[86] 2016-11-10 (PCT/US2016/061381)

[87] (WO2017/091363)

[30] US (14/949,298) 2015-11-23

[21] **3,006,003**  
[13] A1

[51] **Int.Cl. G06F 21/56 (2013.01)**

[25] EN

[54] **DUAL MEMORY INTROSPECTION FOR SECURING MULTIPLE NETWORK ENDPPOINTS**

[54] **DOUBLE INTROSPECTION DE MEMOIRE PERMETTANT DE SECURISER DE MULTIPLES POINTS D'EXTREMITE DE RESEAU**

[72] LUTAS, DAN-HOREA, RO

[72] LUKACS, SANDOR, RO

[72] TICLE, DANIEL-IOAN, RO

[72] CIOCAS, RADU-IOAN, RO

[72] ANICHITEL, IONEL-CRISTINEL, RO

[71] BITDEFENDER IPR MANAGEMENT LTD, CY

[85] 2018-05-23

[86] 2016-12-19 (PCT/EP2016/081697)

[87] (WO2017/103254)

[30] US (62/269,952) 2015-12-19

[21] **3,006,004**  
[13] A1

[51] **Int.Cl. B29C 33/68 (2006.01)**

[25] EN

[54] **RELEASE WEBS AND TEXTURED PRODUCTS**

[54] **BANDES DECOLLABLES ET PRODUITS TEXTURES**

[72] MURRAY, ROBERT J., US

[71] S.D. WARREN COMPANY D/B/A SAPPI NORTH AMERICA, US

[85] 2018-05-22

[86] 2016-12-05 (PCT/US2016/064929)

[87] (WO2017/100123)

[30] US (14/964,849) 2015-12-10

[21] **3,006,005**  
[13] A1

[51] **Int.Cl. B66B 5/00 (2006.01)**

[25] EN

[54] **OPTICAL BRAKE LINING MONITORING**

[54] **SUIVI DE GARNITURE DE FREIN OPTIQUE**

[72] ROBIBERO, VINCENT, US

[72] KRAFT, DAVE, US

[71] INVENTIO AG, CH

[85] 2018-05-23

[86] 2016-12-21 (PCT/EP2016/082132)

[87] (WO2017/108922)

[30] EP (15202258.8) 2015-12-23

[21] **3,006,006**  
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**

[25] EN

[54] **AEROSOL GENERATING ARTICLE INCLUDING A HEAT-CONDUCTING ELEMENT AND A SURFACE TREATMENT**

[54] **ARTICLE DE GENERATION D'AEROSOL COMPRENANT UN ELEMENT CONDUCTEUR DE CHALEUR ET UN TRAITEMENT DE SURFACE**

[72] LAVANCHY, FREDERIC, CH

[72] MALGAT, ALEXANDRE, CH

[71] PHILIP MORRIS PRODUCTS S.A., CH

[85] 2018-05-23

[86] 2016-12-22 (PCT/EP2016/082351)

[87] (WO2017/114744)

[30] EP (15203277.7) 2015-12-31

[21] **3,006,007**  
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**

[25] EN

[54] **AEROSOL-GENERATING SYSTEM WITH MULTIPLE HEATING ELEMENTS**

[54] **SYSTEME GENERATEUR D'AEROSOL DOTE DE MULTIPLES ELEMENTS CHAUFFANTS**

[72] FORCE, ERIC, CH

[72] GUO, YONGLU, CN

[72] LI, YONGHAI, CN

[71] PHILIP MORRIS PRODUCTS S.A., CH

[85] 2018-05-23

[86] 2016-12-22 (PCT/EP2016/082496)

[87] (WO2017/114766)

[30] EP (15203248.8) 2015-12-31

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[21] **3,006,008**  
[13] A1

[51] **Int.Cl. A61M 11/00 (2006.01) A61M 15/06 (2006.01)**  
[25] EN  
[54] **CARTRIDGE ASSEMBLY HAVING AN ACTUATION PORTION**  
[54] **ENSEMBLE CARTOUCHE COMPORTANT UNE PARTIE D'ACTIONNEMENT**  
[72] SAYGILI, ALI MURAT, CH  
[71] PHILIP MORRIS PRODUCTS S.A., CH  
[85] 2018-05-23  
[86] 2017-01-25 (PCT/EP2017/051545)  
[87] (WO2017/129615)  
[30] EP (16152628.0) 2016-01-25

[21] **3,006,010**  
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01)**  
[25] EN  
[54] **ATRIAL POCKET CLOSURES FOR PROSTHETIC HEART VALVES**  
[54] **FERMETURES DE POCHE AURICULAIRE POUR VALVULES CARDIAQUES PROTHETIQUES**  
[72] VIDLUND, ZACH, US  
[72] EVANS, MICHAEL, US  
[72] VIDLUND, ROBERT M., US  
[71] TENDYNE HOLDINGS, INC., US  
[85] 2018-05-22  
[86] 2016-12-27 (PCT/US2016/068680)  
[87] (WO2017/117109)  
[30] US (62/271,606) 2015-12-28

[21] **3,006,014**  
[13] A1

[51] **Int.Cl. F01C 9/00 (2006.01) F01C 21/08 (2006.01)**  
[25] EN  
[54] **ROTATIONAL DISPLACEMENT APPARATUS**  
[54] **APPAREIL DE DEPLACEMENT EN ROTATION**  
[72] FENTON, JONATHAN PAUL, GB  
[71] FETU LIMITED, GB  
[85] 2018-05-23  
[86] 2016-08-05 (PCT/GB2016/052429)  
[87] (WO2017/089740)  
[30] GB (1520830.9) 2015-11-25  
[30] GB (1521207.9) 2015-12-01

[21] **3,006,009**  
[13] A1

[51] **Int.Cl. G01F 23/14 (2006.01) F17C 13/00 (2006.01) F17C 13/02 (2006.01) G01F 22/02 (2006.01) G01F 23/18 (2006.01)**  
[25] EN  
[54] **OXY-ACETYLENE WORK APPARATUS AND METHOD FOR DETERMINING THE OPERATING TIME OF SAID APPARATUS**  
[54] **INSTALLATION DE TRAVAIL DE TYPE OXYACETYLENIQUE ET PROCEDE DE DETERMINATION DE L'AUTONOMIE DE LADITE INSTALLATION**  
[72] GOUDALLE, SEBASTIEN, FR  
[72] QUATTRONE, MICHELE, FR  
[72] GLEN, HENRI, FR  
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR  
[85] 2018-05-23  
[86] 2016-11-22 (PCT/FR2016/053047)  
[87] (WO2017/089696)  
[30] FR (1561428) 2015-11-26

[21] **3,006,011**  
[13] A1

[51] **Int.Cl. B09B 3/00 (2006.01)**  
[25] EN  
[54] **METHOD AND SYSTEM FOR PROCESSING SOLID WASTE CONTAINING FLUORINE COMPOUNDS**  
[54] **PROCEDE ET SYSTEME DE TRAITEMENT DE DECHETS SOLIDES CONTENANT DES COMPOSES FLUORES**  
[72] ELGAT, ZVI, IL  
[72] BEN MENASHE, ABRAHAM, IL  
[71] ELCON RECYCLING CENTER (2003) LTD., IL  
[85] 2018-05-23  
[86] 2016-08-10 (PCT/IB2016/054819)  
[87] (WO2017/093813)  
[30] US (62/260,798) 2015-11-30

[21] **3,006,015**  
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) C12N 5/02 (2006.01) C12N 15/11 (2006.01) C12Q 1/68 (2018.01)**  
[25] EN  
[54] **METHODS FOR REDUCING ATAXIN-2 EXPRESSION**  
[54] **METHODES POUR DIMINUER L'EXPRESSION DE L'ATAXINE-2**  
[72] RIGO, FRANK, US  
[71] IONIS PHARMACEUTICALS, INC., US  
[85] 2018-05-22  
[86] 2016-12-30 (PCT/US2016/069406)  
[87] (WO2017/117496)  
[30] US (62/273,689) 2015-12-31

[21] **3,006,012**  
[13] A1

[51] **Int.Cl. A61N 1/05 (2006.01) A61M 16/04 (2006.01) A61N 1/36 (2006.01)**  
[25] EN  
[54] **DEVICES AND METHODS FOR TREATMENT OF VENTILATOR ASSOCIATED DYSPHAGIA**  
[54] **DISPOSITIFS ET PROCEDES POUR LE TRAITEMENT DE LA DYSPHAGIE ASSOCIEE A UN VENTILATEUR**  
[72] MULROONEY, CONOR, GB  
[71] PHAGENESIS LIMITED, GB  
[85] 2018-05-23  
[86] 2016-11-22 (PCT/GB2016/053628)  
[87] (WO2017/089752)  
[30] GB (1520900.0) 2015-11-26

[21] **3,006,016**  
[13] A1

[51] **Int.Cl. G06F 1/32 (2006.01)**  
[25] EN  
[54] **A SYSTEM AND AN APPARATUS FOR CONTROLLING ELECTRIC POWER SUPPLY AND METHODS THEREFOR**  
[54] **SYSTEME ET APPAREIL POUR COMMANDER L'ALIMENTATION EN ELECTRICITE ET PROCEDES ASSOCIES**  
[72] EMBY, BERNARD CHRISTOPHER, MY  
[71] TRICKLESTAR LIMITED, CN  
[71] EMBY, CHRISTOPHER BERNARD, MY  
[85] 2018-05-23  
[86] 2016-11-22 (PCT/IB2016/057020)  
[87] (WO2017/089949)  
[30] US (62/258,796) 2015-11-23  
[30] US (15/357,311) 2016-11-21

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[21] **3,006,018**  
[13] A1

[51] **Int.Cl. C07D 209/08 (2006.01) A61K 41/00 (2006.01) A61K 49/00 (2006.01)**  
[25] EN  
[54] **MICROBUBBLE-CHEMOTHERAPEUTIC AGENT COMPLEX FOR SONODYNAMIC THERAPY**  
[54] **COMPLEXE D'AGENT CHIMIOThERAPEUTIQUE A MICROBULLES POUR THERAPIE SONODYNAMIQUE**  
[72] CALLAN, JOHN, GB  
[72] MCHALE, ANTHONY, GB  
[72] STRIDE, ELEANOR, GB  
[71] UNIVERSITY OF ULSTER, GB  
[85] 2018-05-23  
[86] 2016-11-23 (PCT/GB2016/053682)  
[87] (WO2017/089800)  
[30] GB (1520649.3) 2015-11-23

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[21] **3,006,019**  
[13] A1

[51] **Int.Cl. H04W 72/04 (2009.01)**  
[25] EN  
[54] **CHANNEL AWARE RESOURCE ALLOCATION**  
[54] **ATTRIBUTION DE RESSOURCE SENSIBLE AU CANAL**  
[72] CHERIAN, GEORGE, US  
[72] MERLIN, SIMONE, US  
[72] ASTERJADHI, ALFRED, US  
[71] QUALCOMM INCORPORATED, US  
[85] 2018-05-22  
[86] 2017-01-06 (PCT/US2017/012612)  
[87] (WO2017/120526)  
[30] US (62/276,768) 2016-01-08  
[30] US (15/399,610) 2017-01-05

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[21] **3,006,020**  
[13] A1

[51] **Int.Cl. F03D 9/00 (2016.01) F03D 9/11 (2016.01) F03D 3/04 (2006.01)**  
[25] EN  
[54] **UNIT FOR SOLAR AND WIND ENERGY UTILISATION**  
[54] **UNITE POUR UTILISATION D'ENERGIE SOLAIRE ET EOLIENNE**  
[72] PISKORZ, WALDEMAR, PL  
[72] PISKORZ, TOMASZ TADEUSZ, PL  
[72] PISKORZ, IRENEUSZ, PL  
[71] PISKORZ, WALDEMAR, PL  
[71] PISKORZ, TOMASZ TADEUSZ, PL  
[71] PISKORZ, IRENEUSZ, PL  
[85] 2018-05-23  
[86] 2016-11-23 (PCT/IB2016/057054)  
[87] (WO2017/089965)  
[30] PL (P.414921) 2015-11-24

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[21] **3,006,022**  
[13] A1

[51] **Int.Cl. E05C 3/12 (2006.01)**  
[25] EN  
[54] **DOOR OR OTHER CLOSABLE PANEL WITH LOCK-ACTUATING LINKAGE**  
[54] **PORTE OU AUTRE PANNEAU REFERMABLE A COUPLAGE ACTIONNE PAR VERROU**  
[72] RAZ, AMIR, IL  
[71] DAN RAZ LTD., IL  
[85] 2018-05-23  
[86] 2016-09-15 (PCT/IL2016/051028)  
[87] (WO2017/090020)  
[30] US (14/953,356) 2015-11-29

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[21] **3,006,023**  
[13] A1

[51] **Int.Cl. B66B 19/00 (2006.01)**  
[25] EN  
[54] **METHOD FOR ERECTING AN ELEVATOR SYSTEM, AND ELEVATOR SYSTEM WHICH CAN BE ADAPTED TO AN INCREASING BUILDING HEIGHT**  
[54] **PROCEDE POUR ELEVER UNE INSTALLATION D'ASCENSEUR ET INSTALLATION D'ASCENSEUR POUVANT ETRE ADAPTEE A DES HAUTEURS DE CONSTRUCTION CROISSANTES**  
[72] WEIBEL, ANDRE, CH  
[72] CHRISTEN, LUKAS, CH  
[71] INVENTIO AG, CH  
[85] 2018-05-23  
[86] 2016-12-13 (PCT/EP2016/080727)  
[87] (WO2017/102684)  
[30] EP (15199820.0) 2015-12-14

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[21] **3,006,024**  
[13] A1

[51] **Int.Cl. E21B 10/26 (2006.01) E21B 6/02 (2006.01) E21B 10/28 (2006.01) E21B 10/40 (2006.01) E21B 17/07 (2006.01) F16H 25/12 (2006.01) F16H 25/22 (2006.01)**  
[25] EN  
[54] **BORING APPARATUS AND METHOD**  
[54] **APPAREIL ET PROCEDE DE FORAGE**  
[72] VON GYNZ-REKOWSKI, GUNTHER HH, US  
[72] WILLIAMS, MICHAEL V., US  
[71] ASHMIN HOLDING LLC, US  
[85] 2018-05-22  
[86] 2017-01-13 (PCT/US2017/013393)  
[87] (WO2017/131969)  
[30] US (15/008,071) 2016-01-27

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[21] **3,006,026**  
[13] A1

[51] **Int.Cl. C08L 83/04 (2006.01)**  
[25] EN  
[54] **PHOTOACTIVATABLE MULTI-COMPONENT SYSTEMS FOR PRODUCING A FOAMED SILICONE COMPOSITION**

[54] **SYSTEMES PHOTOACTIVABLES A COMPOSANTS MULTIPLES POUR LA PREPARATION D'UNE COMPOSITION MOUSSEE DE SILICONE**

[72] SISTEMICH, ALEXANDER, DE  
[72] WELSCH, VOLKER, DE  
[72] LINK, ALFRED, DE  
[71] SONDERHOFF CHEMICALS GMBH, DE  
[85] 2018-05-23  
[86] 2016-12-02 (PCT/IB2016/057300)  
[87] (WO2017/093959)  
[30] DE (10 2015 121 053.3) 2015-12-03

[21] **3,006,027**  
[13] A1

[51] **Int.Cl. G01N 15/14 (2006.01) C12Q 1/68 (2018.01) G01N 21/01 (2006.01) G01N 33/48 (2006.01) G01N 33/483 (2006.01) G01N 33/487 (2006.01) G01N 33/50 (2006.01)**

[25] EN  
[54] **THIN-FILM FLOWCELLS**  
[54] **CUVES A CIRCULATION EN COUCHES MINCES**

[72] PERROUD, THOMAS DANIEL, US  
[72] PERBOST, MICHEL GEORGES, US  
[71] QIAGEN SCIENCES, LLC, US  
[85] 2018-05-22  
[86] 2016-12-27 (PCT/US2016/068674)  
[87] (WO2017/117105)  
[30] US (62/271,423) 2015-12-28

[21] **3,006,028**  
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/06 (2006.01) A61K 31/00 (2006.01) A61K 47/12 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01)**

[25] EN  
[54] **PHARMACEUTICAL COMPOSITIONS COMPRISING LEVODOPA AMIDE AND USES THEREOF**

[54] **COMPOSITIONS PHARMACEUTIQUES COMPRENANT UN AMIDE DE LEVODOPA ET SES UTILISATIONS**

[72] YACOBY-ZEEVI, ORON, IL  
[72] NEMES, MARA, IL  
[72] ZWOZNIK, EDUARDO, IL  
[72] VAINSHTOK, IRENA, IL  
[72] SELA, EINAT, IL  
[71] NEURODERM, LTD., IL  
[85] 2018-05-23  
[86] 2016-11-23 (PCT/IL2016/051261)  
[87] (WO2017/090039)  
[30] US (62/259,324) 2015-11-24

[21] **3,006,029**  
[13] A1

[51] **Int.Cl. C07D 401/04 (2006.01) A01N 43/40 (2006.01) A01N 43/90 (2006.01) A01P 5/00 (2006.01) A01P 7/04 (2006.01) A61K 31/437 (2006.01) A61K 31/4439 (2006.01) A61P 33/00 (2006.01) C07D 471/04 (2006.01)**

[25] EN  
[54] **3H-PYRROLOPYRIDINE COMPOUND, N-OXIDE THEREOF OR SALT THEREOF, AGRICULTURAL AND HORTICULTURAL INSECTICIDE COMPRISING THE COMPOUND AND METHOD FOR USING THE SAME**

[54] **COMPOSE DE 3H-PYRROLOPYRIDINE OU SON N-OXYDE, OU LEURS SELS, INSECTICIDE AGRICOLE ET HORTICOLE EN CONTENANT, ET UTILISATION ASSOCIEE**

[72] YONEMURA, IKKI, JP  
[72] SANO, YUSUKE, JP  
[72] SUWA, AKIYUKI, JP  
[72] FUJIE, SHUNPEI, JP  
[71] NIHON NOHYAKU CO., LTD., JP  
[85] 2018-05-23  
[86] 2016-11-30 (PCT/JP2016/085483)  
[87] (WO2017/094750)  
[30] JP (2015-234665) 2015-12-01  
[30] JP (2016-172747) 2016-09-05

[21] **3,006,030**  
[13] A1

[51] **Int.Cl. G06F 11/08 (2006.01)**  
[25] EN  
[54] **DATA RECOVERY OF DATA SYMBOLS**

[54] **RECUPERATION DE DONNEES DE SYMBOLES DE DONNEES**

[72] HAUG, STUART, US  
[72] BONICATTO, DAMIAN, US  
[71] LANDIS+GYR TECHNOLOGIES, LLC, US  
[85] 2018-05-23  
[86] 2016-01-15 (PCT/US2016/013658)  
[87] (WO2017/095453)  
[30] US (14/959,002) 2015-12-04

[21] **3,006,031**  
[13] A1

[51] **Int.Cl. C07C 1/20 (2006.01) B01J 27/14 (2006.01) C10G 35/00 (2006.01)**

[25] EN  
[54] **BIFUNCTIONAL CATALYST**  
[54] **CATALYSEUR BIFONCTIONNEL**

[72] MENTZEL, UFFE VIE, DK  
[72] JOENSEN, FINN, DK  
[71] HALDOR TOPSOE A/S, DK  
[85] 2018-05-23  
[86] 2016-11-30 (PCT/EP2016/079310)  
[87] (WO2017/093335)  
[30] DK (PA 2015 00767) 2015-11-30  
[30] DK (PA 2015 00768) 2015-11-30  
[30] DK (PA 2015 00766) 2015-11-30

[21] **3,006,032**  
[13] A1

[51] **Int.Cl. A61F 9/007 (2006.01) A61F 9/00 (2006.01)**

[25] EN  
[54] **PATCH FOR SEALING RETINAL BREAKS AND ASSOCIATED DEVICES, SYSTEMS, AND METHODS**

[54] **TIMBRE DE SCELLEMENT DE DECOLLEMENTS DE LA RETINE ET DISPOSITIFS, SYSTEMES, ET PROCEDES ASSOCIES**

[72] GUNN, NICHOLAS MAX, US  
[72] PAPAC, MICHAEL J., US  
[72] KASHANI, POORIA SHARIF, US  
[71] NOVARTIS AG, US  
[85] 2018-05-23  
[86] 2016-12-08 (PCT/IB2016/057439)  
[87] (WO2017/103744)  
[30] US (62/266,995) 2015-12-14

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[13] A1

[51] **Int.Cl. B65G 15/64 (2006.01) B65G 21/06 (2006.01) B65G 39/12 (2006.01) B65G 39/16 (2006.01)**

[25] EN

[54] **RETURN BELT TRACKING IDLER FOR CONVEYOR BELT SYSTEM**

[54] **GALET TENDEUR DE COURROIE DE RETOUR POUR SYSTEME DE COURROIE TRANSPORTEUSE**

[72] WOLFE, CALEB, US

[72] FARROW, GLENN E., US

[72] SMITH, CHRISTOPHER S., US

[71] RICHWOOD INDUSTRIES INC., US

[85] 2018-05-23

[86] 2016-02-29 (PCT/US2016/020023)

[87] (WO2017/091242)

[30] US (62/258,822) 2015-11-23

[30] US (15/052,824) 2016-02-24

[21] **3,006,034**  
[13] A1

[51] **Int.Cl. B03D 1/008 (2006.01) B03D 1/01 (2006.01) C07C 259/06 (2006.01) C22B 3/00 (2006.01)**

[25] EN

[54] **COLLECTOR COMPOSITIONS AND METHODS OF USING SAME IN MINERAL FLOTATION PROCESSES**

[54] **COMPOSITIONS DE COLLECTEURS ET LEURS PROCÉDES D'UTILISATION DANS DES PROCÉDES DE FLOTTATION DE MINÉRAIS**

[72] BHAMBHANI, TARUN, US

[72] FREEMAN, JASON, US

[72] NAGARAJ, DEVARAYASAMUDRAM R., US

[71] CYTEC INDUSTRIES INC., US

[85] 2018-05-23

[86] 2016-11-22 (PCT/US2016/063267)

[87] (WO2017/091552)

[30] EP (15196392.3) 2015-11-25

[21] **3,006,035**  
[13] A1

[51] **Int.Cl. H04N 5/225 (2006.01) G03B 17/02 (2006.01) G03B 17/12 (2006.01) G03B 17/26 (2006.01)**

[25] EN

[54] **CAMERA MODULE**

[54] **MODULE D'APPAREIL DE PRISE DE VUES**

[72] MOLIN, HANS M., US

[72] TAN, LENNY T., US

[71] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US

[85] 2018-05-23

[86] 2016-09-01 (PCT/US2016/049915)

[87] (WO2017/095490)

[30] US (14/956,704) 2015-12-02

[21] **3,006,036**  
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) G06F 19/12 (2011.01) G06F 19/22 (2011.01) G06F 19/28 (2011.01) C12Q 1/68 (2018.01) G06F 19/00 (2018.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR MICROBIOME-DERIVED DIAGNOSTICS AND THERAPEUTICS FOR ECZEMA**

[54] **PROCEDE ET SYSTEME POUR DIAGNOSTICS DERIVES DU MICROBIOME ET AGENTS THERAPEUTIQUES CONTRE L'ECZEMA**

[72] APTE, ZACHARY, US

[72] RICHMAN, JESSICA, US

[72] ALMONACID, DANIEL, US

[72] BEHBAHANI, SIAVOSH REZVAN, US

[71] UBIOME, INC., US

[85] 2018-05-23

[86] 2016-09-09 (PCT/US2016/051136)

[87] (WO2017/044871)

[30] US (62/215,917) 2015-09-09

[21] **3,006,037**  
[13] A1

[51] **Int.Cl. G08G 5/00 (2006.01) G01C 21/00 (2006.01) G01S 1/00 (2006.01)**

[25] EN

[54] **DRONE DEFENSE SYSTEM**

[54] **SYSTEME DE DEFENSE CONTRE LES DRONES**

[72] ZIEMBA, LINDA J., US

[72] ZIEMBA, DENNIS J., US

[72] SINATRA, TAYLOR J., US

[72] GAO, ZIANG, US

[71] DRONE GO HOME, LLC, US

[85] 2018-05-23

[86] 2016-11-22 (PCT/US2016/063327)

[87] (WO2017/091575)

[30] US (62/259,163) 2015-11-24

[30] US (15/358,574) 2016-11-22

[21] **3,006,038**  
[13] A1

[51] **Int.Cl. B21D 31/04 (2006.01) B32B 15/02 (2006.01)**

[25] EN

[54] **UNITARY EXPANDED METAL MESH HAVING LINEAR DOWN-ROLL STRANDS**

[54] **TREILLIS METALLIQUE EXPANSE UNITAIRE COMPORTANT DES BRINS LINEAIRES ENROULABLES VERS LE BAS**

[72] HEBERT, LARRY S., US

[72] SWAN, MICHAEL D., US

[72] BOYD, SCOTT A., US

[71] 3M INNOVATIVE PROPERTIES COMPANY, US

[85] 2018-05-22

[86] 2016-11-11 (PCT/US2016/061492)

[87] (WO2017/091365)

[30] US (62/259,323) 2015-11-24

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[21] **3,006,039**  
[13] A1

[51] **Int.Cl. B65G 43/10 (2006.01) G05B 19/042 (2006.01) G05B 19/048 (2006.01) G05B 19/07 (2006.01)**

[25] EN

[54] **INTERRUPT EXCEPTION WINDOW PROTOCOL ON A DATA COMMUNICATION BUS AND METHODS AND APPARATUSES FOR USING SAME**

[54] **PROTOCOLE DE FENETRE D'EXCEPTION D'INTERRUPTION SUR UN BUS DE COMMUNICATION DE DONNEES, AINSI QUE PROCEDES ET APPAREILS UTILISANT CELUI-CI**

[72] ILIJIC, NIK, AU

[71] HUBBELL INCORPORATED, US

[85] 2018-05-23

[86] 2016-11-28 (PCT/US2016/063850)

[87] (WO2017/095739)

[30] US (62/261,025) 2015-11-30

[21] **3,006,040**  
[13] A1

[51] **Int.Cl. B65D 71/38 (2006.01)**

[25] EN

[54] **PACKAGING SYSTEM AND BLANKS THEREFOR**

[54] **SYSTEME D'EMBALLAGE ET DECOUPES ASSOCIEES**

[72] ZACHERLE, MATTHEW E., US

[72] HAYTER, GREGORY P., US

[72] LOFTIN, CALEB S., US

[72] WALLING, BRADFORD J., US

[72] BLIN, PATRICK, FR

[71] WESTROCK PACKAGING SYSTEMS, LLC, US

[85] 2018-05-22

[86] 2016-11-15 (PCT/US2016/061976)

[87] (WO2017/091375)

[30] US (62/259,363) 2015-11-24

[21] **3,006,041**  
[13] A1

[51] **Int.Cl. A61K 31/5377 (2006.01) A61K 31/4706 (2006.01) A61K 31/4709 (2006.01)**

[25] EN

[54] **EIF4A-INHIBITING COMPOUNDS AND METHODS RELATED THERETO**

[54] **COMPOSES INHIBITEURS D'EIF4-A ET PROCEDES ASSOCIES**

[72] ERNST, JUSTIN T., US

[72] REICH, SIEGFRIED H., US

[72] SPRENGELER, PAUL A., US

[72] TRAN, CHINH, US

[72] PACKARD, GARRICK KENNETH, US

[72] XIANG, ALAN XIN, US

[72] NILEWSKI, CHRISTIAN, US

[72] MICHELS, THEODORE, US

[71] EFFECTOR THERAPEUTICS, INC., US

[85] 2018-05-23

[86] 2016-11-22 (PCT/US2016/063353)

[87] (WO2017/091585)

[30] US (62/259,828) 2015-11-25

[30] US (62/334,149) 2016-05-10

[21] **3,006,042**  
[13] A1

[51] **Int.Cl. A61F 2/00 (2006.01) A61F 2/02 (2006.01) A61F 2/14 (2006.01) A61F 9/00 (2006.01) A61F 9/007 (2006.01) A61M 37/00 (2006.01)**

[25] EN

[54] **LACRIMAL SYSTEM FOR DRUG DELIVERY**

[54] **SYSTEME LACRYMAL POUR ADMINISTRATION DE MEDICAMENTS**

[72] KAHOOK, MALIK Y., US

[72] SCHIEBER, ANDREW, US

[71] THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, US

[85] 2018-05-22

[86] 2016-11-16 (PCT/US2016/062201)

[87] (WO2017/091404)

[30] US (62/258,914) 2015-11-23

[21] **3,006,043**  
[13] A1

[51] **Int.Cl. F17C 1/14 (2006.01) F16K 17/38 (2006.01) F17C 13/12 (2006.01)**

[25] EN

[54] **COMPOSITE VESSEL FIRE PROTECTION SYSTEM**

[54] **SYSTEME DE PROTECTION CONTRE LE FEU D'UN RECIPIENT COMPOSITE**

[72] GARG, MOHIT, US

[71] QUANTUM FUEL SYSTEMS LLC, US

[85] 2018-05-23

[86] 2016-11-22 (PCT/US2016/063374)

[87] (WO2017/091595)

[30] US (62/258,978) 2015-11-23

[21] **3,006,044**  
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) G06F 19/12 (2011.01) G06F 19/22 (2011.01) G06F 19/28 (2011.01) C12Q 1/68 (2018.01) G06F 19/00 (2018.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR MICROBIOME-DERIVED DIAGNOSTICS AND THERAPEUTICS FOR CONDITIONS ASSOCIATED WITH CEREBRO-CRANIOFACIAL HEALTH**

[54] **PROCEDE ET SYSTEME POUR DES DIAGNOSTICS DERIVES DU MICROBIOME ET AGENTS THERAPEUTIQUES POUR DES AFFECTIONS ASSOCIEES A LA SANTE CEREBRO-CRANIOFACIALE**

[72] APTE, ZACHARY, US

[72] RICHMAN, JESSICA, US

[72] ALMONACID, DANIEL, US

[72] BEHBAHANI, SIAVOSH REZVAN, US

[71] UBIOME, INC., US

[85] 2018-05-23

[86] 2016-09-09 (PCT/US2016/051155)

[87] (WO2017/044885)

[30] US (62/216,016) 2015-09-09

[30] US (62/216,028) 2015-09-09

[30] US (62/215,939) 2015-09-09

[30] US (62/216,035) 2015-09-09

[30] US (62/216,042) 2015-09-09

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[13] A1

[51] **Int.Cl. A61B 17/3205 (2006.01) A61B 17/00 (2006.01) A61B 17/3209 (2006.01)**

[25] EN

[54] **SURGICAL INSTRUMENT FOR PENETRATION OF TISSUE LAYERS**

[54] **INSTRUMENT CHIRURGICAL POUR LA PENETRATION DE COUCHES DE TISSU**

[72] CRAWFORD, GEORGE, US

[71] CRAWFORD, GEORGE, US

[85] 2018-05-22

[86] 2016-11-17 (PCT/US2016/062549)

[87] (WO2017/091445)

[30] US (62/260,112) 2015-11-25

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[21] **3,006,046**  
[13] A1

[51] **Int.Cl. B29C 53/56 (2006.01) B29C 70/16 (2006.01) B65D 6/34 (2006.01) B65D 8/08 (2006.01) B65D 75/40 (2006.01) F17C 1/16 (2006.01)**

[25] EN

[54] **COMPOSITE PRESSURE VESSEL HAVING INTERNAL LOAD SUPPORT**

[54] **RESERVOIR COMPOSITE SOUS PRESSION POSSEDANT UN SUPPORT DE CHARGE INTERNE**

[72] GARG, MOHIT, US

[71] QUANTUM FUEL SYSTEMS LLC, US

[85] 2018-05-23

[86] 2016-11-22 (PCT/US2016/063405)

[87] (WO2017/091613)

[30] US (62/259,490) 2015-11-24

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[21] **3,006,047**  
[13] A1

[51] **Int.Cl. A47G 19/22 (2006.01) A61J 9/00 (2006.01) A61J 9/04 (2006.01) B65D 51/16 (2006.01)**

[25] EN

[54] **SPOUTLESS DRINKING CUP**

[54] **GOBELET SANS BEC VERSEUR**

[72] MILLER, CHARLES HEBERT, JR., US

[72] ZHANG, XIANGWEN, US

[72] REED, MARK DOUGLAS, US

[72] HANNEKEN, DOUGLAS SCOTT, US

[71] HANDI-CRAFT COMPANY, US

[85] 2018-05-23

[86] 2016-11-23 (PCT/US2016/063454)

[87] (WO2017/091639)

[30] US (62/259,775) 2015-11-25

[30] US (62/328,153) 2016-04-27

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[21] **3,006,049**  
[13] A1

[51] **Int.Cl. B32B 27/08 (2006.01) B32B 27/30 (2006.01) B32B 27/36 (2006.01) B65D 65/40 (2006.01)**

[25] EN

[54] **COMPOSTABLE PRODUCT PACKAGING**

[54] **EMBALLAGE DE PRODUITS COMPOSTABLE**

[72] THIBADO, JOHN, US

[72] PATTERSON, GREG, US

[72] RICHARDS, CHRIS, US

[72] LEE, DAVIS, US

[71] ADVANCED EXTRUSION, INC., US

[85] 2018-05-23

[86] 2016-11-23 (PCT/US2016/063468)

[87] (WO2017/091648)

[30] US (62/259,882) 2015-11-25

[30] US (15/291,709) 2016-10-12

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[21] **3,006,050**  
[13] A1

[51] **Int.Cl. A61N 2/08 (2006.01) A61B 18/18 (2006.01) A61N 7/02 (2006.01)**

[25] EN

[54] **PAIN RELIEVING FABRIC**

[54] **TEXTILE ANALGESIQUE**

[72] GOLDBERG, ARTHUR, US

[71] SIL VON, LLC, US

[85] 2018-05-22

[86] 2016-11-21 (PCT/US2016/063131)

[87] (WO2017/091511)

[30] US (14/948,815) 2015-11-23

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[21] **3,006,051**  
[13] A1

[51] **Int.Cl. B65G 43/10 (2006.01) H04B 17/15 (2015.01) B65G 43/00 (2006.01) G05B 19/00 (2006.01) G05B 19/042 (2006.01) G05B 19/048 (2006.01) G05B 19/07 (2006.01) G06F 11/26 (2006.01) G06F 11/28 (2006.01) G06F 19/00 (2018.01) H04B 3/46 (2015.01) H04B 3/50 (2006.01) H04B 17/00 (2015.01) H04L 7/033 (2006.01) H04Q 1/20 (2006.01)**

[25] EN

[54] **SYSTEMS, APPARATUSES AND METHODS FOR SYNCHRONIZATION PULSE CONTROL OF CHANNEL BANDWIDTH ON DATA COMMUNICATION BUS**

[54] **SYSTEMES, APPAREILS ET PROCEDES DE COMMANDE D'IMPULSIONS DE SYNCHRONISATION DE BANDE PASSANTE DE CANAL SUR UN BUS DE COMMUNICATION DE DONNEES**

[72] ILIJIC, NIK, AU

[71] HUBBELL INCORPORATED, US

[85] 2018-05-23

[86] 2016-11-28 (PCT/US2016/063858)

[87] (WO2017/095743)

[30] US (62/261,084) 2015-11-30

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[21] **3,006,053**  
[13] A1

[51] **Int.Cl. A61F 9/007 (2006.01)**

[25] EN

[54] **UNI-PORT HYBRID GAUGE SURGICAL APPARATUSES AND METHODS**

[54] **APPAREILS ET PROCEDES CHIRURGICAUX A JAUGE HYBRIDE A ORIFICE UNIQUE**

[72] HALLEN, PAUL R., US

[72] STARK, WILLIAM J., III, US

[71] NOVARTIS AG, CH

[85] 2018-05-23

[86] 2016-12-13 (PCT/IB2016/057568)

[87] (WO2017/103778)

[30] US (62/266,903) 2015-12-14

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[21] **3,006,054**  
[13] A1

[51] **Int.Cl. A61K 31/343 (2006.01) A61K 47/10 (2017.01) A61K 51/00 (2006.01) A61P 25/28 (2006.01) C07D 307/83 (2006.01)**

[25] EN

[54] **FORMULATIONS FOR 2-HETEROARYL SUBSTITUTED BENZOFURANS**

[54] **FORMULATIONS POUR BENZOFURANES A SUBSTITUTION 2-HETEROARYLE**

[72] CESATI, RICHARD R., III, US

[72] CASEBIER, DAVID S., US

[72] MORETON, RICHARD CHRISTIAN, US

[71] NAVIDEA BIOPHARMACEUTICALS, INC., US

[85] 2018-05-22

[86] 2016-11-21 (PCT/US2016/063154)

[87] (WO2017/087965)

[30] US (62/258,309) 2015-11-20

[30] US (62/258,326) 2015-11-20

[21] **3,006,055**  
[13] A1

[51] **Int.Cl. D01D 5/00 (2006.01) C12N 5/0789 (2010.01) C12M 1/00 (2006.01) C12M 3/00 (2006.01) C12M 3/02 (2006.01) C12N 5/00 (2006.01) C12N 5/02 (2006.01) D01F 9/04 (2006.01)**

[25] EN

[54] **LARGE SCALE CELL MANUFACTURE SYSTEM**

[54] **SYSTEME DE FABRICATION DE CELLULES A GRANDE ECHELLE**

[72] LEI, YUGUO, US

[71] NUTECH VENTURES, US

[85] 2018-05-23

[86] 2016-11-23 (PCT/US2016/063486)

[87] (WO2017/091662)

[30] US (62/260,109) 2015-11-25

[21] **3,006,056**  
[13] A1

[51] **Int.Cl. G06F 11/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS OF MONITORING THE UNLOADING AND LOADING OF DELIVERY VEHICLES**

[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE DU DECHARGEMENT ET DU CHARGEMENT DE VEHICULES DE DISTRIBUTION**

[72] JONES, NICHOLAUS A., US

[72] TAYLOR, ROBERT J., US

[72] JONES, MATTHEW A., US

[71] WALMART APOLLO, LLC, US

[85] 2018-05-23

[86] 2016-11-30 (PCT/US2016/064120)

[87] (WO2017/095865)

[30] US (62/261,993) 2015-12-02

[21] **3,006,057**  
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01) G06F 19/10 (2011.01) G06F 19/18 (2011.01) G06F 19/20 (2011.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR MICROBIOME-DERIVED DIAGNOSTICS AND THERAPEUTICS FOR CONDITIONS ASSOCIATED WITH THYROID HEALTH ISSUES**

[54] **METHODE ET SYSTEME DE DIAGNOSTICS ET DE THERAPIES DERIVES DU MICROBIOME DESTINES A DES AFFECTIONS ASSOCIEES A DES PROBLEMES DE SANTE DE LA THYROIDE**

[72] APTE, ZACHARY, US

[72] RICHMAN, JESSICA, US

[72] ALMONACID, DANIEL, US

[72] BEHBAHANI, SIAVOSH REZVAN, US

[71] UBIOME, INC., US

[85] 2018-05-23

[86] 2016-09-09 (PCT/US2016/051173)

[87] (WO2017/044900)

[30] US (62/216,002) 2015-09-09

[21] **3,006,058**  
[13] A1

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

[25] EN

[54] **ANTIBODY MOLECULES TO APRIL AND USES THEREOF**

[54] **MOLECULES D'ANTICORPS SE LIANT A APRIL ET LEURS UTILISATIONS**

[72] MYETTE, JAMES R., US

[72] SHRIVER, ZACHARY HOLMES, US

[72] VISWANATHAN, KARTHIK, US

[72] WOLLACOTT, ANDREW M., US

[72] ADARI-HALL, HEDY, US

[72] RAMAKRISHNAN, BOOPATHY, US

[72] BABCOCK, GREGORY, US

[71] VISTERRA, INC., US

[85] 2018-05-23

[86] 2016-11-23 (PCT/US2016/063518)

[87] (WO2017/091683)

[30] US (62/259,897) 2015-11-25

[30] US (62/313,684) 2016-03-25

[30] US (62/399,087) 2016-09-23

[30] US (62/422,848) 2016-11-16

[21] **3,006,059**  
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01) G06F 19/10 (2011.01) G06F 19/18 (2011.01) G06F 19/20 (2011.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR MICROBIOME-DERIVED DIAGNOSTICS AND THERAPEUTICS FOR ORAL HEALTH**

[54] **METHODE ET SYSTEME DE DIAGNOSTICS DERIVES DU MICROBIOME ET TRAITEMENTS THERAPEUTIQUES POUR LA SANTE BUCCO-DENTAIRE**

[72] APTE, ZACHARY, US

[72] RICHMAN, JESSICA, US

[72] ALMONACID, DANIEL, US

[72] BEHBAHANI, SIAVOSH REZVAN, US

[71] UBIOME, INC., US

[85] 2018-05-23

[86] 2016-09-09 (PCT/US2016/051175)

[87] (WO2017/044902)

[30] US (62/215,924) 2015-09-09

[30] US (62/215,909) 2015-09-09

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[21] **3,006,060**  
[13] A1

[51] **Int.Cl. A47F 10/02 (2006.01) A47F 10/04 (2006.01) G01C 21/00 (2006.01) G06Q 30/00 (2012.01) G07F 7/06 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS OF TRACKING ITEM CONTAINERS AT A SHOPPING FACILITY**

[54] **SYSTEMES ET PROCEDES DE SUIVI DE RECEPTACLES D'ARTICLES AU NIVEAU D'UNE INSTALLATION COMMERCIALE**

[72] JONES, NICHOLAUS A., US

[72] JONES, MATTHEW A., US

[72] TAYLOR, ROBERT J., US

[71] WALMART APOLLO, LLC, US

[85] 2018-05-23

[86] 2016-11-29 (PCT/US2016/063974)

[87] (WO2017/095799)

[30] US (62/261,988) 2015-12-02

[21] **3,006,061**  
[13] A1

[51] **Int.Cl. C10G 75/04 (2006.01) C09K 8/532 (2006.01) E21B 37/06 (2006.01) E21B 41/02 (2006.01)**

[25] EN

[54] **METHOD OF PREVENTING OR MITIGATING FORMATION OF METAL SULFIDE SCALES DURING OIL AND GAS PRODUCTION**

[54] **PROCEDE POUR EMPECHER OU ATTENUER LA FORMATION DE DEPOTS DE SULFURE METALLIQUE LORS DE LA PRODUCTION DE PETROLE ET DE GAZ**

[72] ARMSTRONG, CHARLES DAVID, US

[71] BAKER HUGHES, A GE COMPANY, LLC, US

[85] 2018-05-23

[86] 2016-11-11 (PCT/US2016/061581)

[87] (WO2017/091368)

[30] US (62/259,939) 2015-11-25

[21] **3,006,062**  
[13] A1

[51] **Int.Cl. A01K 27/00 (2006.01)**

[25] EN

[54] **RETRACTABLE LEASH ASSEMBLY**

[54] **ENSEMBLE LAISSE RETRACTABLE**

[72] MAX, NICHOLAS B., US

[72] REUTHER, GARY E., US

[71] THUNDERSHIRT, LLC, US

[85] 2018-05-23

[86] 2016-11-23 (PCT/US2016/063543)

[87] (WO2017/091701)

[30] US (62/259,878) 2015-11-25

[21] **3,006,063**  
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01) B01L 9/00 (2006.01) C12M 1/12 (2006.01) C12M 3/06 (2006.01) G01N 33/50 (2006.01) G01N 35/08 (2006.01)**

[25] EN

[54] **MULTICOMPARTMENT LAYERED AND STACKABLE MICROFLUIDIC BIOREACTORS AND APPLICATIONS OF SAME**

[54] **BIOREACTEURS MICRO-FLUIDIQUES EMPILABLES ET SUPERPOSES A COMPARTIMENTS MULTIPLES ET LEURS APPLICATIONS**

[72] WIKSWO, JOHN P., US

[72] MARKOV, DMITRY A., US

[72] REISERER, RONALD S., US

[71] VANDERBILT UNIVERSITY, US

[85] 2018-05-23

[86] 2016-11-23 (PCT/US2016/063586)

[87] (WO2017/091718)

[30] US (62/259,327) 2015-11-24

[21] **3,006,064**  
[13] A1

[51] **Int.Cl. H04R 31/00 (2006.01) B06B 1/00 (2006.01) B06B 3/00 (2006.01)**

[25] EN

[54] **TRANS-IMPEDANCE AMPLIFIER FOR ULTRASOUND DEVICE AND RELATED APPARATUS AND METHODS**

[54] **AMPLIFICATEUR DE TRANSIMPEDANCE POUR DISPOSITIF A ULTRASONS, APPAREIL ET PROCEDES ASSOCIES**

[72] CHEN, KAILIANG, US

[72] FIFE, KEITH G., US

[72] SANCHEZ, NEVADA J., US

[72] CASPER, ANDREW J., US

[72] RALSTON, TYLER S., US

[71] BUTTERFLY NETWORK, INC., US

[85] 2018-05-23

[86] 2016-12-01 (PCT/US2016/064314)

[87] (WO2017/095981)

[30] US (14/957,395) 2015-12-02

[21] **3,006,065**  
[13] A1

[51] **Int.Cl. C09K 8/80 (2006.01) C09K 8/00 (2006.01) C09K 8/60 (2006.01) E21B 43/00 (2006.01) E21B 43/267 (2006.01)**

[25] EN

[54] **LIGHTWEIGHT PROPPANT AND METHODS FOR MAKING AND USING SAME**

[54] **AGENT DE SOUTENEMENT LEGER ET SES PROCEDES DE FABRICATION ET D'UTILISATION**

[72] ROPER, TODD, US

[72] LIENG, THU, US

[72] OREKHA, OLATUNJI, US

[72] WOOLFOLK, WILLIAM SCOTT, US

[71] CARBO CERAMICS INC., US

[85] 2018-05-23

[86] 2016-11-14 (PCT/US2016/061832)

[87] (WO2017/091372)

[30] US (14/950,649) 2015-11-24

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[21] **3,006,066**  
[13] A1

[51] **Int.Cl. B64C 11/02 (2006.01) B64C 11/06 (2006.01) B64D 35/00 (2006.01)**  
[25] EN  
[54] **FEATHERING PROPELLER CLUTCH MECHANISMS**  
[54] **MECANISMES D'EMBRAYAGE POUR HELICE A MISE EN DRAPEAU**  
[72] SHIOSAKI, DOMINIC TIMOTHY, US  
[71] AMAZON TECHNOLOGIES, INC., US  
[85] 2018-05-22  
[86] 2016-12-07 (PCT/US2016/065321)  
[87] (WO2017/123347)  
[30] US (14/966,493) 2015-12-11

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[21] **3,006,067**  
[13] A1

[51] **Int.Cl. H03F 1/12 (2006.01) H01P 1/22 (2006.01) H03H 7/25 (2006.01)**  
[25] EN  
[54] **TIME GAIN COMPENSATION CIRCUIT AND RELATED APPARATUS AND METHODS**  
[54] **CIRCUIT DE COMPENSATION DE GAIN TEMPOREL ET APPAREIL ET PROCEDES ASSOCIES**  
[72] CHEN, KAILIANG, US  
[72] RALSTON, TYLER S., US  
[71] BUTTERFLY NETWORK, INC., US  
[85] 2018-05-23  
[86] 2016-12-01 (PCT/US2016/064322)  
[87] (WO2017/095985)  
[30] US (14/957,443) 2015-12-02

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[21] **3,006,068**  
[13] A1

[51] **Int.Cl. B67D 1/00 (2006.01) A23L 2/54 (2006.01) B67D 1/04 (2006.01) B67D 1/08 (2006.01)**  
[25] EN  
[54] **HYBRID SYSTEM AND METHOD FOR PRODUCING A SUBSTANTIALLY NON-FOAMING AND FOAMING GAS-INFUSED BEVERAGES**  
[54] **SYSTEME HYBRIDE ET PROCEDE DE PRODUCTION DE BOISSONS AVEC GAZ INJECTE SENSIBLEMENT NON MOUSSANTES ET MOUSSANTES**  
[72] LUNDBERG, KENNETH, US  
[72] COCHRAN, PAUL WESLEY, US  
[72] BOYD, PETER EDWARD, US  
[72] NIEDERMAN, ROBERT R., US  
[72] ALLEN, WILLIAM J., US  
[72] ANGAL, ADITYA JAYANT, US  
[71] WELBILT, INC., US  
[85] 2018-05-22  
[86] 2016-12-09 (PCT/US2016/065918)  
[87] (WO2017/100637)  
[30] US (62/265,317) 2015-12-09

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[21] **3,006,070**  
[13] A1

[51] **Int.Cl. G08G 1/09 (2006.01)**  
[25] EN  
[54] **VEHICLE SPEED-BASED ANALYTICS**  
[54] **ANALYSE BASEE SUR LA VITESSE D'UN VEHICULE**  
[72] WALKER, MARY AMELIA, US  
[72] CATRON, ROBERT, US  
[72] HICKSON, NICHOLAS, US  
[72] VAUGHAN, BRIAN, US  
[72] MILNE, JAMES, US  
[71] FREEPORT-MCMORAN INC., US  
[85] 2018-05-22  
[86] 2016-12-13 (PCT/US2016/066382)  
[87] (WO2017/106193)  
[30] US (62/267,486) 2015-12-15  
[30] US (15/376,030) 2016-12-12

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[21] **3,006,071**  
[13] A1

[51] **Int.Cl. F16K 31/05 (2006.01)**  
[25] EN  
[54] **SHUTOFF SYSTEM FOR WATER VALVE**  
[54] **SYSTEME DE COUPURE DESTINE A UNE VANNE D'EAU**  
[72] SHARRATT, JASON, US  
[72] WANG, TIANZHE, US  
[72] MARSIC, MARTIN, US  
[71] WAXMAN CONSUMER PRODUCTS GROUP INC., US  
[85] 2018-05-23  
[86] 2016-12-14 (PCT/US2016/066548)  
[87] (WO2017/112480)  
[30] US (62/270,673) 2015-12-22  
[30] US (62/338,009) 2016-05-18

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[21] **3,006,072**  
[13] A1

[51] **Int.Cl. B60G 23/00 (2006.01) E01C 23/01 (2006.01) G06F 7/00 (2006.01) G06F 7/02 (2006.01) G06F 19/00 (2018.01) G07C 5/00 (2006.01) G07C 5/08 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS OF DETERMINING ROAD QUALITY**  
[54] **SYSTEMES ET PROCEDES DE DETERMINATION DE LA QUALITE D'UNE ROUTE**  
[72] WALKER, MARY AMELIA, US  
[72] CATRON, ROBERT, US  
[72] VAUGHAN, BRIAN, US  
[72] LU, HUNG JUNG, US  
[71] FREEPORT-MCMORAN INC., US  
[85] 2018-05-22  
[86] 2016-12-13 (PCT/US2016/066386)  
[87] (WO2017/106194)  
[30] US (62/267,518) 2015-12-15  
[30] US (15/376,044) 2016-12-12

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[21] **3,006,073**  
[13] A1

[51] **Int.Cl. A01N 25/02 (2006.01) A01N 25/30 (2006.01) A01N 43/40 (2006.01) A01N 47/02 (2006.01) A01N 49/00 (2006.01) A01P 7/00 (2006.01) A01P 7/02 (2006.01) A61K 31/415 (2006.01)**  
[25] EN  
[54] **VETERINARY FORMULATIONS**  
[54] **FORMULATIONS VETERINAIRES**  
[72] JEANNIN, PHILIPPE, FR  
[71] MERIAL, INC., US  
[85] 2018-05-23  
[86] 2016-11-16 (PCT/US2016/062364)  
[87] (WO2017/091417)  
[30] GB (15207244) 2015-11-24

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[21] **3,006,074**  
[13] A1

[51] **Int.Cl. A41B 9/00 (2006.01) A41B 9/02 (2006.01) A41B 9/04 (2006.01) A41B 9/14 (2006.01) A41D 27/20 (2006.01)**

[25] EN

[54] **DETACHABLE LOWER BODY UNDERGARMENT**

[54] **SOUS-VETEMENT DE BAS DE CORPS DETACHABLE**

[72] CHEA, SARAH, US

[71] LOTUS BLOOMS COLLECTIVE, INC., US

[85] 2018-05-22

[86] 2016-12-23 (PCT/US2016/068560)

[87] (WO2017/117063)

[30] US (62/271,308) 2015-12-27

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[21] **3,006,075**  
[13] A1

[51] **Int.Cl. B64C 29/02 (2006.01) B64C 39/02 (2006.01)**

[25] EN

[54] **UAV WITH WING-PLATE ASSEMBLIES PROVIDING EFFICIENT VERTICAL TAKEOFF AND LANDING CAPABILITY**

[54] **AERONEF SANS PILOTE DOTE D'ASSEMBLAGES DE PLAQUES D'AILE QUI ASSURENT UNE CAPACITE A DECOLLAGE ET D'ATTERRISSAGE VERTICAUX EFFICACES**

[72] WILLFORD, NEAL H., US

[71] AAI CORPORATION, US

[85] 2018-05-23

[86] 2016-12-06 (PCT/US2016/065148)

[87] (WO2017/123346)

[30] US (62/263,851) 2015-12-07

[30] US (15/370,592) 2016-12-06

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[21] **3,006,076**  
[13] A1

[51] **Int.Cl. E21B 17/02 (2006.01) E21B 17/05 (2006.01) E21B 47/01 (2012.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR RELEASING A PORTION OF A DRILL STRING FROM A DRILLING CABLE**

[54] **SYSTEMES ET PROCEDES DE LIBERATION D'UNE PARTIE D'UN TRAIN DE TIGES D'UN CABLE DE FORAGE**

[72] DRENTH, CHRISTOPHER L., CA

[72] LACHANCE, ANTHONY, CA

[72] LAUZON, MICHEL, CA

[71] BLY IP, INC., US

[85] 2018-05-23

[86] 2016-12-14 (PCT/US2016/066608)

[87] (WO2017/106311)

[30] US (62/266,804) 2015-12-14

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[21] **3,006,077**  
[13] A1

[51] **Int.Cl. C07D 239/84 (2006.01) A61K 31/517 (2006.01)**

[25] EN

[54] **METHODS FOR PREPARING SUBSTITUTED 5,6-DIHYDRO-6-PHENYLBENZO[F]ISOQUINOLIN-2-AMINE**

[54] **PROCEDES DE PREPARATION DE 5,6-DIHYDRO-6-PHENYLBENZO[F]ISOQUINOLEINE-2-AMINE SUBSTITUEE**

[72] BATES, CRAIG, US

[72] REED, DAVID P., US

[72] MAO, JIANMIN, US

[71] ARQULE, INC., US

[85] 2018-05-23

[86] 2016-12-16 (PCT/US2016/067161)

[87] (WO2017/106639)

[30] US (62/268,758) 2015-12-17

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[21] **3,006,078**  
[13] A1

[51] **Int.Cl. A61K 39/135 (2006.01) A61K 39/00 (2006.01) C07K 14/32 (2006.01)**

[25] EN

[54] **FMDV AND E2 FUSION PROTEINS AND USES THEREOF**

[54] **PROTEINES DE FUSION DE DMDV ET E2 ET LEURS UTILISATIONS**

[72] AUDONNET, JEAN-CHRISTOPHE, FR

[72] REYNARD, FREDERIC, FR

[72] BOMCHIL, NATALIA, FR

[72] SIGOILLOT-CLAUDE, CECILE, FR

[71] MERIAL, INC., US

[85] 2018-05-23

[86] 2016-11-16 (PCT/US2016/062367)

[87] (WO2017/091418)

[30] US (62/259,043) 2015-11-23

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[21] **3,006,079**  
[13] A1

[51] **Int.Cl. C08L 33/08 (2006.01) C09D 133/08 (2006.01) E04D 7/00 (2006.01)**

[25] EN

[54] **ACID DESTABILIZATION OF ELASTOMERIC ROOF COATINGS**

[54] **DESTABILISATION ACIDE D'ENDUIT ELASTOMERE POUR TOITURE**

[72] MALLARDI, JOE, US

[72] RAND, CHARLES J., US

[72] SZEWCZYK, JANA C., US

[71] ROHM AND HAAS COMPANY, US

[85] 2018-05-23

[86] 2016-11-21 (PCT/US2016/063024)

[87] (WO2017/091490)

[30] US (62/259,729) 2015-11-25

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<p style="text-align: center;">[21] <b>3,006,080</b> [13] A1</p> <p>[51] <b>Int.Cl. A01H 1/04 (2006.01) A01H 5/00 (2018.01) C12Q 1/68 (2018.01)</b></p> <p>[25] EN</p> <p>[54] <b>METHODS FOR PRODUCING CORN PLANTS WITH NORTHERN LEAF BLIGHT RESISTANCE AND COMPOSITIONS THEREOF</b></p> <p>[54] <b>PROCEDES DE PRODUCTION DE PLANTS DE MAIS PRESENTANT UNE RESISTANCE A LA BRULURE DES FEUILLES DU MAIS ET COMPOSITIONS ASSOCIEES</b></p> <p>[72] BOURDONCLE, WILLIAM J., US</p> <p>[72] CHOPIN, FRANCK J., US</p> <p>[72] FOUQUET, ROMAIN, US</p> <p>[72] GIOVANINI, MARCELO P., US</p> <p>[72] MALONEY, PETER V., US</p> <p>[72] PAN, YULE, US</p> <p>[71] MONSANTO TECHNOLOGY LLC, US</p> <p>[85] 2018-05-23</p> <p>[86] 2016-12-16 (PCT/US2016/067300)</p> <p>[87] (WO2017/106731)</p> <p>[30] US (62/269,635) 2015-12-18</p>	<p style="text-align: center;">[21] <b>3,006,082</b> [13] A1</p> <p>[51] <b>Int.Cl. E21B 19/07 (2006.01) E21B 19/02 (2006.01) E21B 19/06 (2006.01) E21B 19/10 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>DRILL ROD CLAMPING SYSTEM AND METHODS OF USING SAME</b></p> <p>[54] <b>SYSTEME DE SERRAGE DE TIGE DE FORAGE ET SES PROCEDES D'UTILISATION</b></p> <p>[72] RITTER, DAVID ROBERT, CA</p> <p>[72] WRIGHT, CHRISTOPHER ALLEN, CA</p> <p>[72] MARKHAM, ANTHONY CHARLES WILLIAM, CA</p> <p>[71] BLY IP INC., US</p> <p>[85] 2018-05-23</p> <p>[86] 2016-12-22 (PCT/US2016/068214)</p> <p>[87] (WO2017/112845)</p> <p>[30] US (62/271,052) 2015-12-22</p>	<p style="text-align: center;">[21] <b>3,006,085</b> [13] A1</p> <p>[51] <b>Int.Cl. C01B 3/16 (2006.01) B01J 8/02 (2006.01) F28D 7/00 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>EXOTHERMIC REACTION ANALYSIS BY PRE-REACTION SAMPLE RETENTION</b></p> <p>[54] <b>ANALYSE DE REACTION EXOTHERMIQUE PAR CONSERVATION D'ECHANTILLON DE PRE-REACTION</b></p> <p>[72] BURGESS, DARREN R., US</p> <p>[72] GREENWALD, MICHAEL RAYMOND, US</p> <p>[72] BARBEE, BRENT W., US</p> <p>[71] IH IP HOLDINGS LIMITED, GB</p> <p>[85] 2018-05-24</p> <p>[86] 2016-12-22 (PCT/US2016/068229)</p> <p>[87] (WO2017/176334)</p> <p>[30] US (62/259,537) 2015-11-24</p>
<p style="text-align: center;">[21] <b>3,006,081</b> [13] A1</p> <p>[51] <b>Int.Cl. C07D 239/84 (2006.01) A61K 31/517 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>SOLID FORMS OF SUBSTITUTED 5,6-DIHYDRO-6-PHENYLBENZO[F]ISOQUINOLIN-2-AMINE COMPOUNDS</b></p> <p>[54] <b>FORMES SOLIDES DE COMPOSES 5,6-DIHYDRO-6-PHENYLBENZO[F]ISOQUINOLEINE-2-AMINE SUBSTITUEE</b></p> <p>[72] BATES, CRAIG, US</p> <p>[72] REED, DAVID P., US</p> <p>[71] ARQULE, INC., US</p> <p>[85] 2018-05-23</p> <p>[86] 2016-12-16 (PCT/US2016/067164)</p> <p>[87] (WO2017/106642)</p> <p>[30] US (62/268,747) 2015-12-17</p>	<p style="text-align: center;">[21] <b>3,006,083</b> [13] A1</p> <p>[51] <b>Int.Cl. A45D 19/02 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>HAIR COLORING VARIEGATION DEVICE AND METHOD OF USE</b></p> <p>[54] <b>DISPOSITIF DE VARIEGATION POUR COLORATION CAPILLAIRE, ET PROCEDE D'UTILISATION</b></p> <p>[72] ELLIOTT, FRANKLIN, US</p> <p>[71] EB TECHNOLOGIES, LLC, US</p> <p>[85] 2018-05-24</p> <p>[86] 2016-11-23 (PCT/US2016/063498)</p> <p>[87] (WO2017/091670)</p> <p>[30] US (62/259,969) 2015-11-25</p>	<p style="text-align: center;">[21] <b>3,006,086</b> [13] A1</p> <p>[51] <b>Int.Cl. C07K 16/00 (2006.01) C07K 14/725 (2006.01) C07K 16/46 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>METHOD EMPLOYING BISPECIFIC PROTEIN COMPLEX</b></p> <p>[54] <b>PROCEDE UTILISANT UN COMPLEXE PROTEIQUE BISPECIFIQUE</b></p> <p>[72] FINNEY, HELENE MARGARET, GB</p> <p>[71] UCB BIOPHARMA SPRL, BE</p> <p>[85] 2018-05-23</p> <p>[86] 2016-12-01 (PCT/EP2016/079444)</p> <p>[87] (WO2017/093410)</p> <p>[30] GB (1521389.5) 2015-12-03</p>
<p style="text-align: center;">[21] <b>3,006,084</b> [13] A1</p> <p>[51] <b>Int.Cl. C09K 3/22 (2006.01) C08K 5/01 (2006.01) C08L 91/06 (2006.01) C08L 101/00 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>DUST CONTROL FORMULATIONS</b></p> <p>[54] <b>FORMULATIONS POUR LE CONTROLE DES POUSSIERES</b></p> <p>[72] AYAMBEM, AMBA, US</p> <p>[72] KENT, DANIEL B., US</p> <p>[71] HENRY COMPANY, LLC, US</p> <p>[85] 2018-05-24</p> <p>[86] 2016-12-14 (PCT/US2016/066573)</p> <p>[87] (WO2017/106289)</p> <p>[30] US (62/266,778) 2015-12-14</p> <p>[30] US (15/197,047) 2016-06-29</p> <p>[30] US (15/274,258) 2016-09-23</p>		

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[21] **3,006,087**  
[13] A1

[51] **Int.Cl. H02J 13/00 (2006.01)**  
[25] FR  
[54] **UPDATING A TOPOLOGY OF A DISTRIBUTION NETWORK BY SUCCESSIVE REALLOCATION OF THE COUNTERS**  
[54] **MISE A JOUR D'UNE TOPOLOGIE D'UN RESEAU DE DISTRIBUTION PAR REATTRIBUTION SUCCESSIVE DES COMPTEURS**  
[72] LEONARD, FRANCOIS, CA  
[72] ZINFLOU, ARNAUD, CA  
[71] HYDRO-QUEBEC, CA  
[85] 2018-05-23  
[86] 2016-12-14 (PCT/CA2016/051470)  
[87] (WO2017/100916)  
[30] CA (2915674) 2015-12-17

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[21] **3,006,088**  
[13] A1

[51] **Int.Cl. G01K 1/08 (2006.01) G06F 11/00 (2006.01) G08C 19/16 (2006.01)**  
[25] EN  
[54] **APPARATUS AND METHODS FOR DIRECT SENSING OF ROTATIONAL DYNAMICS OF A ROTATING SHAFT**  
[54] **APPAREIL ET PROCEDES DE DETECTION DIRECTE DE DYNAMIQUE DE ROTATION D'UN ARBRE ROTATIF**  
[72] HESLER, STEPHEN, US  
[72] SUPROCK, CHRISTOPHER, US  
[71] ELECTRIC POWER RESEARCH INSTITUTE, INC., US  
[85] 2018-05-23  
[86] 2016-11-23 (PCT/US2016/063698)  
[87] (WO2017/091784)  
[30] US (62/259,609) 2015-11-24

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[21] **3,006,089**  
[13] A1

[51] **Int.Cl. A63H 27/04 (2006.01) A63H 27/14 (2006.01) B64C 27/02 (2006.01) B64F 1/22 (2006.01) G09B 9/08 (2006.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR AN AIRBORNE DRONE TRAINING TRACK**  
[54] **PROCEDE ET APPAREIL POUR PISTE D'ENTRAINEMENT DE DRONE AERIEN**  
[72] HIGH, DONALD R., US  
[72] NATARAJAN, CHANDRASHEKAR, US  
[72] THOMPSON, JOHN P., US  
[72] ATCHLEY, MICHAEL D., US  
[71] WALMART APOLLO, LLC, US  
[85] 2018-04-25  
[86] 2016-10-19 (PCT/US2016/057597)  
[87] (WO2017/074754)  
[30] US (62/247,010) 2015-10-27

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[21] **3,006,092**  
[13] A1

[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/395 (2006.01) A61K 49/16 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01) A61P 27/02 (2006.01) A61P 37/00 (2006.01) C12N 15/13 (2006.01) G01N 33/53 (2006.01) G01N 33/534 (2006.01)**  
[25] EN  
[54] **ANTI-COMPLEMENT FACTOR C1Q FAB FRAGMENTS AND USES THEREOF**  
[54] **FRAGMENTS FAB ANTI-COMPLEMENT DE FACTEUR C1Q ET LEURS UTILISATIONS**  
[72] YEDNOCK, TED, US  
[72] SANKARANARAYANAN, SETHU, US  
[72] ROSENTHAL, ARNON, US  
[72] LEVITEN, MICHAEL, US  
[71] ANNEXON, INC., US  
[85] 2018-05-23  
[86] 2016-11-23 (PCT/US2016/063587)  
[87] (WO2017/091719)  
[30] US (62/259,227) 2015-11-24

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[21] **3,006,094**  
[13] A1

[51] **Int.Cl. G06F 19/00 (2018.01) G06F 19/12 (2011.01) G06F 19/24 (2011.01)**  
[25] EN  
[54] **MODELING OF SYSTEMATIC IMMUNITY IN PATIENTS**  
[54] **MODELISATION D'IMMUNITE SYSTEMATIQUE CHEZ DES PATIENTS**  
[72] TURNER, JAMES D., US  
[72] FRISCH, HAROLD P., US  
[72] MARKOVIC, SVETOMIR N., US  
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US  
[71] TURNER, JAMES D., US  
[71] FRISCH, HAROLD P., US  
[85] 2018-05-23  
[86] 2016-11-23 (PCT/US2016/063602)  
[87] (WO2017/091727)  
[30] US (62/258,897) 2015-11-23

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[21] **3,006,115**  
[13] A1

[51] **Int.Cl. A63B 22/08 (2006.01) A61H 1/00 (2006.01) A61H 99/00 (2006.01) A63B 23/04 (2006.01)**  
[25] EN  
[54] **A CABLE-DRIVEN ROBOT FOR LOCOMOTOR REHABILITATION OF LOWER LIMBS**  
[54] **ROBOT ENTRAINE PAR CABLES POUR LA REEDUCATION LOCOMOTRICE DES MEMBRES INFERIEURS**  
[72] BADI, ABDELHAK, CA  
[72] SAAD, MAAROUF, CA  
[72] GAUTHIER, GUY, CA  
[72] ARCHAMBAULT, PHILIPPE, CA  
[71] ECOLE DE TECHNOLOGIE SUPERIEURE, CA  
[71] ARCHAMBAULT, PHILIPPE, CA  
[85] 2018-05-23  
[86] 2016-11-24 (PCT/CA2016/051376)  
[87] (WO2017/088055)  
[30] US (62/259,219) 2015-11-24

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[21] **3,006,136**  
[13] A1

[51] **Int.Cl. C07C 29/48 (2006.01) C07C 31/20 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING PROPYLENE GLYCOL FROM PROPENE AND HYDROGEN PEROXIDE**

[54] **PROCEDE DE PREPARATION DE 1,2-PROPANEDIOL A PARTIR DE PROPENE ET DE PEROXYDE D'HYDROGENE**

[72] WIEDERHOLD, HOLGER, DE  
[72] BOLZ, DAVID, DE  
[72] JAEGER, BERND, DE  
[72] KOHLE, HANS-JURGEN, DE  
[72] IMM, SEBASTIAN, DE  
[72] THIELE, GEORG FRIEDRICH, DE  
[71] EVONIK DEGUSSA GMBH, DE  
[85] 2018-05-23  
[86] 2016-11-01 (PCT/EP2016/076270)  
[87] (WO2017/089075)  
[30] EP (15196268.5) 2015-11-25

[21] **3,006,140**  
[13] A1

[51] **Int.Cl. G01P 15/093 (2006.01) B81B 5/00 (2006.01) G01P 15/08 (2006.01)**

[25] EN

[54] **FIBRE OPTIC ACCELERATION SENSOR**

[54] **CAPTEUR D'ACCELERATION A FIBRE OPTIQUE**

[72] AEBI, LAURENT, CH  
[72] TORMEN, MAURIZIO, CH  
[72] TIMOTIJEVIC, BRANISLAV, CH  
[72] PETREMAND, YVES, CH  
[72] BAYAT, DARA, CH  
[72] LUTZELSCHWAB, MARKUS, CH  
[71] MC-MONITORING S.A., CH  
[85] 2018-05-23  
[86] 2016-11-18 (PCT/EP2016/078128)  
[87] (WO2017/089235)  
[30] CH (01735/15) 2015-11-27

[21] **3,006,142**  
[13] A1

[51] **Int.Cl. A63C 17/26 (2006.01) B60Q 1/44 (2006.01) B60Q 1/52 (2006.01) B62J 6/04 (2006.01)**

[25] FR

[54] **IMPROVED SIGNALING DEVICE**

[54] **DISPOSITIF DE SIGNALISATION PERFECTIONNE**

[72] PINGREE, CHARLES, FR  
[71] COSMO-CONNECTED, FR  
[85] 2018-05-23  
[86] 2016-11-30 (PCT/EP2016/079239)  
[87] (WO2017/093293)  
[30] FR (1561620) 2015-11-30

[21] **3,006,144**  
[13] A1

[51] **Int.Cl. G01V 3/17 (2006.01) G01S 13/02 (2006.01) G01S 13/42 (2006.01) G01S 13/88 (2006.01) G01S 13/89 (2006.01) G01V 3/36 (2006.01) B61K 9/08 (2006.01) G01S 13/86 (2006.01) G01V 3/16 (2006.01)**

[25] EN

[54] **METHODS FOR FORMING 3D IMAGE DATA AND ASSOCIATED APPARATUSES**

[54] **PROCEDES DE FORMATION DE DONNEES D'IMAGE 3D ET APPAREILS ASSOCIES**

[72] GALLAGHER, ANTHONY, GB  
[72] ROBINSON, ALEXANDER, GB  
[71] PBU (UK) LTD, GB  
[85] 2018-05-24  
[86] 2016-11-15 (PCT/EP2016/077750)  
[87] (WO2017/089184)  
[30] GB (1520829.1) 2015-11-25

[21] **3,006,145**  
[13] A1

[51] **Int.Cl. B67D 1/08 (2006.01) B67B 7/86 (2006.01)**

[25] EN

[54] **POLYMERIC KEG CONNECTOR**

[54] **RACCORD DE FUT POLYMERE**

[72] VALLES, VANESSA, BE  
[72] VANDEKERCKHOVE, STIJN, BE  
[71] ANHEUSER-BUSCH INBEV S.A., BE  
[85] 2018-05-24  
[86] 2016-11-22 (PCT/EP2016/078372)  
[87] (WO2017/089324)  
[30] EP (15196504.3) 2015-11-26

[21] **3,006,146**  
[13] A1

[51] **Int.Cl. A61K 31/704 (2006.01) A61P 31/04 (2006.01) C12N 1/20 (2006.01)**

[25] EN

[54] **ANTIBIOTIC FIIRV 104/18 COMPLEX AND THE ISOLATED INDIVIDUAL FACTORS THEREOF**

[54] **COMPLEXE ANTIBIOTIQUE FIIRV 104/18 ET FACTEURS INDIVIDUELS ISOLES DE CE DERNIER**

[72] CARRANO, LUCIA, IT  
[72] ABBONDI, MONICA, IT  
[72] CARENZI, GIACOMO, IT  
[72] BRUNATI, MARA, IT  
[72] SIGURTA', ALESSANDRO, IT  
[72] TARAVELLA, ANNA, IT  
[72] TURCONI, PAOLA, IT  
[72] CANDIANI, GIANPAOLO, IT  
[71] FONDAZIONE ISTITUTO INSUBRICO DI RICERCA PER LA VITA, IT  
[85] 2018-05-24  
[86] 2016-11-24 (PCT/EP2016/078678)  
[87] (WO2017/093114)  
[30] EP (15197443.3) 2015-12-02

[21] **3,006,147**  
[13] A1

[51] **Int.Cl. G03B 17/56 (2006.01) G03B 17/02 (2006.01) G03B 35/08 (2006.01) G03B 37/04 (2006.01) H04N 5/225 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR THE INSPECTION OR OPERATIONAL OBSERVATION OF DANGEROUS, HARSH SPACES OR SPACES WITH HOSTILE ENVIRONMENTAL CONDITIONS**

[54] **PROCEDE ET APPAREIL D'INSPECTION OU D'OBSERVATION FONCTIONNELLE D'ESPACES DANGEREUX OU RUDES OU D'ESPACES A CONDITIONS ENVIRONNEMENTALES HOSTILES**

[72] MORI, CRISTIAN, US  
[72] MEMOLI, FRANCESCO, US  
[71] TENOVA S.P.A., IT  
[85] 2018-05-24  
[86] 2016-12-15 (PCT/EP2016/081149)  
[87] (WO2017/102926)  
[30] IT (102015000084673) 2015-12-17

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[21] **3,006,149**  
[13] A1

[51] **Int.Cl. G05B 19/409 (2006.01) B66C 13/40 (2006.01) G01C 21/08 (2006.01) G01C 21/18 (2006.01)**

[25] EN

[54] **METHOD OF ESTIMATING AN ATTITUDE OF A CONTROL DEVICE FOR CONTROLLING OPERATING MACHINES**

[54] **PROCEDE D'ESTIMATION D'ATTITUDE D'UN DISPOSITIF DE COMMANDE DESTINE A COMMANDER DES MACHINES DE TRAVAIL**

[72] VINATI, FELICE, IT  
[72] VINATI, SAMUELE, IT  
[72] VINATI, MATTEO, IT  
[72] VINATI, MARIACHIARA, IT  
[72] VINATI, GIACOMO, IT  
[72] PREVIDI, FABIO, IT  
[72] COLOGNI, ALBERTO, IT  
[72] ERMIDORO, MICHELE, IT  
[72] BORTOLOTTI, LUCA, IT  
[71] VINATI S.R.L., IT  
[85] 2018-05-23  
[86] 2016-11-18 (PCT/EP2016/078132)  
[87] (WO2017/089236)  
[30] IT (UB2015A005844) 2015-11-24

[21] **3,006,151**  
[13] A1

[51] **Int.Cl. C08F 212/08 (2006.01) C08F 2/28 (2006.01) C08F 2/30 (2006.01) C08F 26/06 (2006.01) C08F 220/14 (2006.01) C08F 220/34 (2006.01) C08F 220/44 (2006.01) D21H 17/45 (2006.01) D21H 21/16 (2006.01)**

[25] EN

[54] **FINELY DIVIDED, CATIONIC, AQUEOUS POLYMER DISPERSIONS, METHOD FOR THE PRODUCTION THEREOF, AND THE USE THEREOF**

[54] **DISPERSIONS AQUEUSES, CATIONIQUES, FINEMENT DIVISEES DE POLYMERES, PROCEDE POUR LEUR PREPARATION ET UTILISATION CORRESPONDANTE**

[72] CIMPEANU, CARMEN-ELENA, DE  
[72] MOELLER, KLAUS, DE  
[72] ARNOLD, PETRA, DE  
[72] GEORGIEVA, KRISTINA, DE  
[72] DIEING, REINHOLD, DE  
[72] JEHN-RENDU, CHRISTIAN, DE  
[72] WEN, QUAN, CN  
[71] BASF SE, DE  
[85] 2018-05-23  
[86] 2016-12-01 (PCT/EP2016/079365)  
[87] (WO2017/093368)  
[30] EP (15197224.7) 2015-12-01

[21] **3,006,153**  
[13] A1

[51] **Int.Cl. B65C 9/18 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR LABELING INDIVIDUAL PRODUCTS**

[54] **PROCEDE ET DISPOSITIF D'ETIQUETAGE DE PRODUITS INDIVIDUELS**

[72] VICKTORIUS, WINFRIED, DE  
[72] WOLFF, PETER, DE  
[72] TREDER, RALF THOMAS, DE  
[72] VAN ROOZENDAAL, ANDREAS MATHEUS ADRIANUS, DE  
[71] ESPERA-WERKE GMBH, DE  
[85] 2018-03-23  
[86] 2016-09-23 (PCT/EP2016/072672)  
[87] (WO2017/050959)  
[30] DE (10 2015 116 166.4) 2015-09-24

[21] **3,006,157**  
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01)**

[25] EN

[54] **DIAGNOSTIC TEST WITH LATERAL FLOW TEST STRIP**

[54] **TEST DE DIAGNOSTIC AVEC BANDELETTE DE TEST A ECOULEMENT LATERAL**

[72] PAREKH, GITA, GB  
[71] MOLOGIC LTD, GB  
[85] 2018-05-17  
[86] 2016-11-23 (PCT/GB2016/053684)  
[87] (WO2017/089801)  
[30] GB (1520657.6) 2015-11-23

[21] **3,006,159**  
[13] A1

[51] **Int.Cl. A23L 7/10 (2016.01) A23L 23/10 (2016.01) A23L 33/21 (2016.01) A23P 10/28 (2016.01)**

[25] EN

[54] **CULINARY SEASONING OR BOUILLON TABLET**

[54] **TABLETTE CULINAIRE D'ASSAISONNEMENT OU DE BOUILLON**

[72] HABEYCH NARVAEZ, EDWIN ALBERTO, CH  
[72] GALAFFU, NICOLA, FR  
[72] MICHEL, MARTIN, CH  
[71] NESTEC S.A., CH  
[85] 2018-05-23  
[86] 2016-10-31 (PCT/EP2016/076211)  
[87] (WO2017/097499)  
[30] EP (15199093.4) 2015-12-10

[21] **3,006,161**  
[13] A1

[51] **Int.Cl. C10M 169/04 (2006.01) A61L 29/08 (2006.01) C09D 139/04 (2006.01) C10M 173/00 (2006.01)**

[25] EN

[54] **COATING SOLUTIONS, COATINGS FORMED THEREFROM, AND COATED MEDICAL DEVICES**

[54] **SOLUTIONS DE REVETEMENT, REVETEMENTS FORMES A PARTIR DE CELLES-CI ET DISPOSITIFS MEDICAUX REVETUS**

[72] RHODES, ALAN, GB  
[72] HUDDART, BETHANY SHEILA, GB  
[71] BIOINTERACTIONS LTD., GB  
[85] 2018-05-23  
[86] 2016-11-24 (PCT/GB2016/000209)  
[87] (WO2017/089739)  
[30] GB (1520751.7) 2015-11-24



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[13] A1

[51] **Int.Cl. A61K 31/16 (2006.01) A61K 31/202 (2006.01) C07C 57/02 (2006.01) C07C 57/52 (2006.01) C07C 59/42 (2006.01) C07C 59/56 (2006.01) C07C 59/58 (2006.01) C07C 59/60 (2006.01) C07C 229/22 (2006.01) C07C 229/30 (2006.01) C07C 233/09 (2006.01) C07C 323/52 (2006.01) C07C 323/54 (2006.01) C07C 323/58 (2006.01)**

[25] EN

[54] **LIPID COMPOUNDS AND COMPOSITIONS AND THEIR OPHTHALMIC USE**

[54] **COMPOSES LIPIDIQUES ET COMPOSITIONS ASSOCIEES ET LEUR UTILISATION OPHTHALMIQUE**

[72] HOLMEIDE, ANNE KRISTIN, NO  
[71] BIOZEP AS, NO  
[85] 2018-05-23  
[86] 2016-11-30 (PCT/GB2016/053769)  
[87] (WO2017/093732)  
[30] GB (1521085.9) 2015-11-30

[21] **3,006,164**  
[13] A1

[51] **Int.Cl. G06Q 10/00 (2012.01) G06Q 50/08 (2012.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR ASSISTING INSTALLATION OF ELEMENTS IN A CONSTRUCTION WORK**

[54] **PROCEDE ET SYSTEME D'AIDE A L'INSTALLATION D'ELEMENTS DANS UN TRAVAIL DE CONSTRUCTION**

[72] STUBLER, JEROME, FR  
[72] SAUVIAT, CEDRIC, FR  
[71] VINCI CONSTRUCTION, FR  
[85] 2018-05-23  
[86] 2015-12-01 (PCT/IB2015/002653)  
[87] (WO2017/093779)

[21] **3,006,167**  
[13] A1

[51] **Int.Cl. A61K 9/14 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION COMPRISING A POTENT INHIBITOR OF URAT1**

[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT UN INHIBITEUR PUISSANT D'URAT1**

[72] REILAND WAKEMAN, JOANNE, US  
[72] ROWLINGS, COLIN, US  
[72] LIU, SHA, US  
[72] BURKE, GERRY, US  
[72] VON CORSWANT, CHRISTIAN, SE  
[72] TANNERGREN, CHRISTER, SE  
[72] HJARTSTAM, JOHAN, SE  
[71] ARDEA BIOSCIENCES, INC., US  
[71] ASTRAZENECA AB, SE  
[85] 2018-05-23  
[86] 2016-12-07 (PCT/EP2016/080111)  
[87] (WO2017/097845)  
[30] US (62/264,792) 2015-12-08

[21] **3,006,168**  
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 16/22 (2006.01) C07K 16/24 (2006.01)**

[25] EN

[54] **AGENTS FOR THE TREATMENT OF DISEASES ASSOCIATED WITH UNDESIRE CELL PROLIFERATION**

[54] **AGENTS POUR LE TRAITEMENT DE MALADIES ASSOCIEES A UNE PROLIFERATION CELLULAIRE NON SOUHAITEE**

[72] SEOANE SUAREZ, JOAN, ES  
[72] SOTO SIMON, ATENEA, ES  
[72] SALA HOJMAN, ADA, ES  
[72] HUBER RUANO, ISABEL, ES  
[72] CHIGANCAS, VANESA, ES  
[72] ANIDO FOLGUEIRA, JUDIT, ES  
[71] FUNDACIO PRIVADA INSTITUT D'INVESTIGACIO ONCOLOGICA DE VALL HEBRON, ES  
[71] INSTITUCIO CATALANA DE RECERCA I ESTUDIS AVANCATS, ES  
[85] 2018-05-23  
[86] 2016-11-28 (PCT/EP2016/079031)  
[87] (WO2017/089614)  
[30] EP (15382590.6) 2015-11-27

[21] **3,006,169**  
[13] A1

[51] **Int.Cl. H05B 3/26 (2006.01) F24H 7/00 (2006.01) F24H 9/20 (2006.01)**

[25] FR

[54] **HEATING APPARATUS INCLUDING ELECTRICAL ENERGY STORAGE BATTERIES**

[54] **APPAREIL DE CHAUFFAGE INCLUANT DES BATTERIES DE STOCKAGE DE L'ENERGIE ELECTRIQUE**

[72] MEYER, RAPHAEL, FR  
[71] LANCEY ENERGY STORAGE S.A.S., FR  
[85] 2018-05-23  
[86] 2016-11-28 (PCT/IB2016/057160)  
[87] (WO2017/093878)  
[30] FR (1561615) 2015-11-30

[21] **3,006,170**  
[13] A1

[51] **Int.Cl. C08J 5/24 (2006.01) C08G 59/22 (2006.01)**

[25] EN

[54] **TOW PREPREG, COMPOSITE MATERIAL-REINFORCED PRESSURE VESSEL, AND METHOD OF PRODUCING COMPOSITE MATERIAL-REINFORCED PRESSURE VESSEL**

[54] **PREIMPREGNE DE CABLE, ET RECIPIENT SOUS PRESSION RENFORCE PAR UN MATERIAU COMPOSITE AINSI QUE PROCEDE DE FABRICATION DE CELUI-CI**

[72] OKAMOTO, SATOSHI, JP  
[72] HARADA, YUKIHIRO, JP  
[71] MITSUBISHI CHEMICAL CORPORATION, JP  
[85] 2018-05-23  
[86] 2016-12-06 (PCT/JP2016/086187)  
[87] (WO2017/099060)  
[30] JP (2015-240729) 2015-12-10  
[30] JP (2015-240730) 2015-12-10

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[21] **3,006,172**  
[13] A1

[51] **Int.Cl. B65D 5/18 (2006.01) B65D 85/72 (2006.01) B65D 5/42 (2006.01) B65D 5/74 (2006.01) B65D 5/76 (2006.01)**

[25] EN

[54] **CONTAINER FOR PASTY OR SEMI-LIQUID PRODUCTS**

[54] **RECIPIENT POUR PRODUITS PATEUX OU SEMI-LIQUIDES**

[72] GHINI, MARCO, IT

[72] NEGRINI, STEFANO, IT

[71] G.D.S.P.A., IT

[85] 2018-05-23

[86] 2016-11-29 (PCT/IB2016/057185)

[87] (WO2017/093893)

[30] IT (102015000080423) 2015-12-04

[21] **3,006,173**  
[13] A1

[51] **Int.Cl. G02B 1/00 (2006.01) G03F 1/50 (2012.01) G02B 27/42 (2006.01) H01L 31/02 (2006.01)**

[25] EN

[54] **ATOMIC LAYER DEPOSITION PROCESS FOR FABRICATING DIELECTRIC METASURFACES FOR WAVELENGTHS IN THE VISIBLE SPECTRUM**

[54] **PROCEDE DE DEPOT DE COUCHE ATOMIQUE POUR FABRIQUER DES METASURFACES DIELECTRIQUES POUR LONGUEURS D'ONDE DANS LE SPECTRE VISIBLE**

[72] DEVLIN, ROBERT C., US

[72] KHORASANINEJAD, MOHAMMADREZA, US

[72] CAPASSO, FEDERICO, US

[72] PARK, HONGKUN, US

[72] HIGH, ALEXANDER ARTHUR, US

[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US

[85] 2018-05-23

[86] 2016-11-23 (PCT/US2016/063617)

[87] (WO2017/091738)

[30] US (62/259,243) 2015-11-24

[21] **3,006,174**  
[13] A1

[51] **Int.Cl. F16F 9/14 (2006.01)**

[25] EN

[54] **POSITION-RELATIVE DAMPER ASSIST SYSTEM**

[54] **SYSTEME D'ASSISTANCE D'AMORTISSEUR PAR RAPPORT A LA POSITION**

[72] LAMOUREUX, MARTIN, CA

[72] DENEALT, PIERRE-YVES, CA

[72] PORLIER, CLAUDE, CA

[72] VAN HEE, DANIEL, CA

[71] ELKA SUSPENSION INC., CA

[71] HORSTMAN SYSTEMS INC., CA

[85] 2018-05-04

[86] 2017-07-20 (PCT/CA2017/050878)

[87] (WO2018/014134)

[30] US (62/364,545) 2016-07-20

[21] **3,006,175**  
[13] A1

[51] **Int.Cl. C12N 9/64 (2006.01) C12N 9/72 (2006.01) C12N 9/74 (2006.01)**

[25] EN

[54] **RECOMBINANT SERINE PROTEASES**

[54] **SERINE PROTEASES RECOMBINEES**

[72] VERHOEF, DANIEL, NL

[72] REITSMA, PIETER H., NL

[72] BOS, METTINE H.A., NL

[71] ACADEMISCH ZIEKENHUIS LEIDEN, NL

[85] 2018-05-23

[86] 2016-11-25 (PCT/NL2016/050833)

[87] (WO2017/091074)

[30] EP (15196291.7) 2015-11-25

[21] **3,006,176**  
[13] A1

[51] **Int.Cl. A61K 35/745 (2015.01)**

[25] EN

[54] **BIFIDOBACTERIUM LONGUM FOR TREATING OBESITY AND ASSOCIATED METABOLIC DISORDERS**

[54] **BIFIDOBACTERIUM LONGUM POUR TRAITER L'OBESITE ET LES TROUBLES METABOLIQUES ASSOCIES**

[72] KIELY, BARRY, IE

[72] MURPHY, EILEEN FRANCES, IE

[72] HEALY, SELENA, IE

[71] ALIMENTARY HEALTH LIMITED, IE

[85] 2018-05-23

[86] 2016-12-09 (PCT/EP2016/080454)

[87] (WO2017/097987)

[30] EP (15199660.0) 2015-12-11

[21] **3,006,177**  
[13] A1

[51] **Int.Cl. A61K 31/7012 (2006.01) A61P 3/10 (2006.01) A61P 9/10 (2006.01) A61P 25/28 (2006.01) A61P 43/00 (2006.01)**

[25] EN

[54] **COMPOSITIONS COMPRISING 4'-O-GLUCURONIDE EPICATECHIN AND METHODS OF MAKING AND USING SUCH COMPOSITIONS**

[54] **COMPOSITIONS COMPRENANT DE LA 4'-O-GLUCURONIDE EPICATECHINE, ET PROCEDES DE FABRICATION ET METHODES D'UTILISATION DE TELLES COMPOSITIONS**

[72] ACTIS GORETTA, LUCAS, SG

[72] PATIN, AMAURY, CH

[72] MICHLIG GONZALEZ, STEPHANIE, CH

[72] CAMACHO, SUSANA, CH

[72] LEGRAND, COLINE, CH

[72] LE COUTRE, JOHANNES, CH

[72] CASTANEDA GUTIERREZ, EURIDICE, CH

[72] SILVA ZOLEZZI, IRMA, CH

[71] NESTEC S.A., CH

[85] 2018-05-22

[86] 2016-12-15 (PCT/EP2016/081230)

[87] (WO2017/102968)

[30] US (62/268,147) 2015-12-16

[30] US (62/286,688) 2016-01-25

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[21] **3,006,181**  
[13] A1

[51] **Int.Cl. E21B 33/12 (2006.01) C22C 21/00 (2006.01) E21B 23/06 (2006.01)**

[25] EN

[54] **GALVANIC DEGRADABLE DOWNHOLE TOOLS COMPRISING DOPED ALUMINUM ALLOYS**

[54] **OUTILS DE FOND DE TROU DEGRADABLES DE FACON GALVANIQUE COMPRENANT DES ALLIAGES D'ALUMINIUM DOPES**

[72] FRIPP, MICHAEL LINLEY, US  
[72] WALTON, ZACHARY WILLIAM, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2018-05-23  
[86] 2016-02-02 (PCT/US2016/016195)  
[87] (WO2017/135934)

[21] **3,006,182**  
[13] A1

[51] **Int.Cl. A61K 31/352 (2006.01) A61K 31/192 (2006.01)**

[25] EN

[54] **CANNABIS OIL COMPOSITIONS AND METHODS FOR PREPARATION THEREOF**

[54] **COMPOSITIONS D'HUILE DE CANNABIS ET LEURS PROCEDES DE PREPARATION**

[72] FINLEY, CONSTANCE, US  
[72] BESTWICK, HALEY POOLE, US  
[71] CONSTANCE THERAPEUTICS, INC., US

[85] 2018-05-23  
[86] 2016-11-23 (PCT/US2016/063662)  
[87] (WO2017/091764)  
[30] US (62/259,549) 2015-11-24

[21] **3,006,187**  
[13] A1

[51] **Int.Cl. A61K 35/741 (2015.01) A61K 35/742 (2015.01) A61P 1/00 (2006.01) A61P 31/04 (2006.01)**

[25] EN

[54] **DESIGNED BACTERIAL COMPOSITIONS**

[54] **COMPOSITIONS BACTERIENNES SYNTHETIQUES**

[72] BUTTON, JULIE, US  
[72] COOK, DAVID, US  
[72] HENN, MATTHEW, US  
[72] MCKENZIE, MARY-JANE LOMBARDO, US  
[72] LITCOFSKY, KEVIN, US  
[72] MARTINEZ, ASUNCION, US  
[72] MCKENZIE, GREGORY, US  
[72] NANDAKUMAR, MADHUMITHA, US  
[72] VULIC, MARIN, US  
[72] WORTMAN, JENNIFER, US  
[71] SERES THERAPEUTICS, INC., US

[85] 2018-05-23  
[86] 2016-11-23 (PCT/US2016/063697)  
[87] (WO2017/091783)  
[30] US (62/259,523) 2015-11-24  
[30] US (62/351,696) 2016-06-17  
[30] US (62/401,011) 2016-09-28

[21] **3,006,189**  
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) C07F 9/6561 (2006.01)**

[25] EN

[54] **COMT INHIBITING METHODS AND COMPOSITIONS**

[54] **METHODES ET COMPOSITIONS D'INHIBITION DE COMT**

[72] BARROW, JAMES, US  
[72] ERNST, GLEN, US  
[72] SWINNEN, DOMINIQUE, BE  
[72] MONTEL, FLORIAN, DE  
[72] DEFAYS, SABINE, BE  
[72] HUANG, YIFANG, US  
[72] DE LEON, PABLO, US  
[72] POSLUSNEY, MICHAEL STEVEN, US  
[71] LIEBER INSTITUTE FOR BRAIN DEVELOPMENT, US

[85] 2018-05-23  
[86] 2016-11-25 (PCT/US2016/063779)  
[87] (WO2017/091818)  
[30] US (62/260,067) 2015-11-25

[21] **3,006,192**  
[13] A1

[51] **Int.Cl. A61K 31/513 (2006.01) A61K 9/00 (2006.01) A61K 31/565 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITIONS CONTAINING DORAVIRINE, TENOFOVIR DISOPROXIL FUMARATE AND LAMIVUDINE**

[54] **COMPOSITIONS PHARMACEUTIQUES CONTENANT DE LA DORAVIRINE, DU FUMARATE DE TENOFOVIR DISOPROXIL ET DE LA LAMIVUDINE**

[72] PANMAI, SANTIPHARP, US  
[72] TATAVARTI, ADITYA, US  
[72] FARRINGTON, ANDREW M., US  
[72] BIYYALA, VARSHA, US  
[72] ALLAIN, LEONARDO R., US  
[72] NEFLIU, MARCELA, US  
[72] KLINZING, GERARD R., US  
[72] REN, JIE, US  
[72] LAMM, MATTHEW, US  
[71] MERCK SHARP & DOHME CORP., US

[85] 2018-05-23  
[86] 2016-11-29 (PCT/US2016/063894)  
[87] (WO2017/095761)  
[30] US (62/261,953) 2015-12-02

[21] **3,006,197**  
[13] A1

[51] **Int.Cl. B01J 35/08 (2006.01) B01J 21/12 (2006.01) B01J 29/08 (2006.01) B01J 35/00 (2006.01) B01J 37/00 (2006.01)**

[25] EN

[54] **FLUID CATALYTIC CRACKING CATALYSTS FOR INCREASING BUTYLENE YIELDS**

[54] **CATALYSEURS DE CRAQUAGE CATALYTIQUE FLUIDE POUR AUGMENTER LES RENDEMENTS DE BUTYLENE**

[72] KHARAS, KARL C., US  
[71] BASF CORPORATION, US

[85] 2018-05-23  
[86] 2016-11-18 (PCT/US2016/062850)  
[87] (WO2017/091472)  
[30] US (62/259,368) 2015-11-24

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[21] **3,006,199**  
[13] A1

[51] **Int.Cl. G06Q 30/06 (2012.01) C12G 1/00 (2006.01) G06F 19/00 (2018.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR TRACKING CONSUMER TASTING PREFERENCES**

[54] **SYSTEMES ET PROCEDES PERMETTANT DE SUIVRE LES PREFERENCES GUSTATIVES DE CONSOMMATEURS**

[72] AXELSSON, KATERINA, US  
[72] DEKHTYAR, ALEXANDER, US  
[72] KUBOI, TOSHIHIRO, US  
[72] KHOSMOOD, FOAAD, US  
[72] LANUZA, EVAN, US  
[72] SCOTT, TIMOTHY, US  
[72] THORNDYKE, ERIC, US  
[71] THE BOTTLEFLY, INC., US  
[85] 2018-05-23  
[86] 2016-11-22 (PCT/US2016/063422)  
[87] (WO2017/091626)  
[30] US (62/259,516) 2015-11-24

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[21] **3,006,200**  
[13] A1

[51] **Int.Cl. G01N 15/14 (2006.01) G01N 21/01 (2006.01) G01N 30/90 (2006.01) G01N 30/92 (2006.01) G01N 30/95 (2006.01)**

[25] EN

[54] **DEVICES AND METHODS FOR SAMPLE CHARACTERIZATION**

[54] **DISPOSITIFS ET PROCEDES DE CARACTERISATION D'ECHANTILLON**

[72] GENTALEN, ERIK T., US  
[71] INTABIO, INC., US  
[85] 2018-05-23  
[86] 2016-11-29 (PCT/US2016/064013)  
[87] (WO2017/095813)  
[30] US (62/260,944) 2015-11-30  
[30] US (62/338,074) 2016-05-18

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[21] **3,006,202**  
[13] A1

[51] **Int.Cl. A61M 1/00 (2006.01) A61M 1/10 (2006.01) A61M 1/14 (2006.01) A61M 1/16 (2006.01) A61M 1/18 (2006.01) A61M 37/00 (2006.01)**

[25] EN

[54] **AN IMPLANTABLE RENAL REPLACEMENT THERAPY SYSTEM**

[54] **THERAPIE DE REMPLACEMENT RENAL IMPLANTABLE**

[72] AHMADI, MORTEZA, US  
[71] QIDNI LABS, INC., US  
[85] 2018-05-23  
[86] 2016-12-02 (PCT/US2016/064856)  
[87] (WO2017/096325)  
[30] US (62/262,915) 2015-12-04

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[21] **3,006,203**  
[13] A1

[51] **Int.Cl. A61K 9/70 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS OF TRANSDERMAL DELIVERY FOR THERAPEUTIC AGENTS**

[54] **COMPOSITIONS ET PROCEDES D'ADMINISTRATION TRANSDERMIQUE D'AGENTS THERAPEUTIQUES**

[72] CAVALLINO, CHARLES L., US  
[72] GITES, BORIS, US  
[72] POLANSKY, JIM, US  
[71] CAVALLINO, CHARLES L., US  
[71] GITES, BORIS, US  
[85] 2018-05-23  
[86] 2016-12-03 (PCT/US2016/064866)  
[87] (WO2017/100103)  
[30] US (62/264,093) 2015-12-07

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[21] **3,006,205**  
[13] A1

[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/4155 (2006.01) C07D 231/14 (2006.01) C07D 403/06 (2006.01) C07D 407/12 (2006.01) C07D 413/12 (2006.01)**

[25] EN

[54] **IMPROVED APELIN RECEPTOR (APJ) AGONISTS AND USES THEREOF**

[54] **AGONISTES AMELIORES DU RECEPTEUR DE L'APELINE (APJ) ET LEURS UTILISATIONS**

[72] RUNYON, SCOTT P., US  
[72] MAITRA, RANGAN, US  
[72] NARAYANAN, SANJU, US  
[72] THOMAS, JAMES BARNWELL, US  
[72] REHDER, KENNETH S., US  
[72] OLEPU, SRINIVAS, US  
[71] RESEARCH TRIANGLE INSTITUTE, US  
[85] 2018-05-23  
[86] 2016-12-09 (PCT/US2016/065808)  
[87] (WO2017/100558)  
[30] US (62/265,177) 2015-12-09  
[30] US (62/265,168) 2015-12-09

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[21] **3,006,208**  
[13] A1

[51] **Int.Cl. E21B 43/12 (2006.01) E21B 47/00 (2012.01)**

[25] EN

[54] **METHODS AND APPARATUS TO CALIBRATE ROD PUMP CONTROLLERS**

[54] **PROCEDES ET APPAREIL POUR ETALONNER DES CONTROLEURS DE POMPE A TIGE**

[72] MILLS, THOMAS MATTHEW, US  
[71] BRISTOL, INC., D/B/A REMOTE AUTOMATION SOLUTIONS, US  
[85] 2018-05-23  
[86] 2016-12-16 (PCT/US2016/067225)  
[87] (WO2017/106678)  
[30] US (14/972,519) 2015-12-17

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[21] **3,006,210**  
[13] A1

[51] **Int.Cl. G06Q 50/00 (2012.01) G06K 19/00 (2006.01)**

[25] EN

[54] **ELECTRONIC TRACKING AND MONITORING OF TRANSIT AND CONDITION STATUS OF BIOLOGICAL PRODUCTS**

[54] **SURVEILLANCE ET SUIVI ELECTRONIQUES DU TRANSIT ET DE L'ETAT DE CONDITION DE PRODUITS BIOLOGIQUES**

[72] CAPELLI, FRANCO IVAN, IT  
[72] MANOLIOS, JIM, AU  
[72] CADEI, RAOUL, IT  
[71] HAEMOKINESIS PTY. LTD., AU  
[85] 2018-05-24  
[86] 2016-11-25 (PCT/AU2016/000387)  
[87] (WO2017/136866)  
[30] AU (2015904881) 2015-11-25

[21] **3,006,211**  
[13] A1

[51] **Int.Cl. C12Q 1/58 (2006.01) C12M 1/26 (2006.01) C12M 1/34 (2006.01) C12Q 1/04 (2006.01) G01N 33/62 (2006.01)**

[25] EN

[54] **A KIT FOR THE DETECTION OF UREASE**

[54] **TROUSSE DE DETECTION D'UREASE**

[72] MARSHALL, BARRY, AU  
[71] INFAGEN (HONG KONG) LIMITED, CN  
[85] 2018-05-24  
[86] 2016-11-23 (PCT/AU2016/051142)  
[87] (WO2017/088013)  
[30] AU (2015904930) 2015-11-27

[21] **3,006,213**  
[13] A1

[51] **Int.Cl. B29C 67/00 (2017.01)**

[25] EN

[54] **ADDITIVE MANUFACTURING DEVICE**

[54] **DISPOSITIF DE FABRICATION ADDITIVE**

[72] SCHMID, MARCO, LI  
[71] COOBX AG, LI  
[85] 2018-05-24  
[86] 2016-12-02 (PCT/CH2016/000152)  
[87] (WO2017/091913)  
[30] CH (01771/15) 2015-12-04

[21] **3,006,214**  
[13] A1

[51] **Int.Cl. F23L 17/04 (2006.01) F23J 15/06 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR AVOIDING FROST OR ICE BUILD-UP ON EXHAUST VENTS AND AIR INTAKES OF CONDENSING APPLIANCES**

[54] **PROCEDE ET APPAREIL PERMETTANT D'EVITER L'ACCUMULATION DE GIVRE OU DE GLACE SUR DES EVENTS D'EVACUATION ET DES PRISES D'AIR D'APPAREILS DE CONDENSATION**

[72] WEIR, LESLEY W., CA  
[72] WERT, KEVIN (DECEASED), ZZ  
[71] FROSTFREE VENTING INC., CA  
[85] 2018-05-24  
[86] 2015-11-27 (PCT/CA2015/051243)  
[87] (WO2016/082047)  
[30] US (62/085,388) 2014-11-28  
[30] US (62/244,276) 2015-10-21

[21] **3,006,216**  
[13] A1

[51] **Int.Cl. E04D 13/147 (2006.01) E04B 1/68 (2006.01) E06B 1/62 (2006.01)**

[25] EN

[54] **A SEALING MEMBER FOR USE BETWEEN A FLASHING MEMBER AND A ROOFING MATERIAL, A FLASHING KIT INCLUDING SUCH A SEALING MEMBER, AND A METHOD FOR WEATHER PROOFING THE JOINT BETWEEN A ROOF OF A BUILDING AND A ROOF PENETRATING STRUCTURE**

[54] **ELEMENT D'ETANCHEITE DESTINE A UNE UTILISATION ENTRE UN ELEMENT DE SOLIN ET UN MATERIAU DE COUVERTURE, KIT DE SOLIN POURVU DE CET ELEMENT D'ETANCHEITE, ET PROCEDE DE PROTECTION DU JOINT CONTRE LES INTEMPERIES ENTRE UN TOIT D'UN BATIMENT ET UNE STRUCTURE DE PENETRATION DE TOIT**

[72] THOMSEN, CARSTEN, DK  
[72] MIKKELSEN, CHRISTIAN MUNK, DK  
[71] VKR HOLDING A/S, DK  
[85] 2018-05-24  
[86] 2016-11-22 (PCT/DK2016/050381)  
[87] (WO2017/088882)  
[30] DK (PA 2015 70754) 2015-11-24

[21] **3,006,221**  
[13] A1

[51] **Int.Cl. G01N 31/22 (2006.01) G01N 21/77 (2006.01) G01N 21/78 (2006.01)**

[25] EN

[54] **COMPOSITE MATERIAL FOR THE DETECTION OF CHEMICAL SPECIES**

[54] **MATERIAU COMPOSITE PERMETTANT LA DETECTION D'ESPECES CHIMIQUES**

[72] DUBUS, SEBASTIEN, CA  
[72] CARON, SERGE, CA  
[72] LE BOUCH, NOLWENN, CA  
[72] PROULX, ANTOINE, CA  
[71] INSTITUT NATIONAL D'OPTIQUE, CA  
[85] 2018-05-24  
[86] 2016-11-28 (PCT/CA2016/051399)  
[87] (WO2017/088069)  
[30] US (62/260,406) 2015-11-27

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[21] **3,006,226**  
[13] A1

[51] **Int.Cl. C08L 9/00 (2006.01) C08L 53/02 (2006.01) C08L 95/00 (2006.01) C08L 97/00 (2006.01)**  
[25] EN  
[54] **BITUMEN COMPOSITIONS COMPRISING LIGNIN**  
[54] **COMPOSITIONS DE BITUME COMPRENANT DE LA LIGNINE**  
[72] LE, DUY MICHAEL, DK  
[72] FOVERSKOV, MIA FROSCHE MOGENSBAEK, DK  
[71] INBICON A/S, DK  
[85] 2018-05-24  
[86] 2016-11-24 (PCT/DK2016/050395)  
[87] (WO2017/088892)  
[30] EP (15196122.4) 2015-11-24

[21] **3,006,227**  
[13] A1

[51] **Int.Cl. A61J 3/07 (2006.01)**  
[25] EN  
[54] **DEVICE AND METHOD FOR EJECTING AT LEAST ONE CAPSULE FROM A CAPSULE HOLDER**  
[54] **DISPOSITIF ET PROCEDURE D'EJECTION D'AU MOINS UNE CAPSULE D'UN PORTE-CAPSULE**  
[72] WURST, REINER, DE  
[72] KUHNERT, TIMO, DE  
[71] HARRO HOFLIGER VERPACKUNGSMASCHINEN GMBH, DE  
[85] 2018-05-24  
[86] 2015-11-26 (PCT/EP2015/002379)  
[87] (WO2017/088894)

[21] **3,006,228**  
[13] A1

[51] **Int.Cl. G06F 3/14 (2006.01)**  
[25] EN  
[54] **CONTENT SHARING PROTOCOL**  
[54] **PROTOCOLE DE PARTAGE DE CONTENU**  
[72] DEROO, DANNY, BE  
[72] DE PAEPE, LODE, BE  
[71] BARCO NV, BE  
[85] 2018-05-24  
[86] 2016-07-07 (PCT/EP2016/066211)  
[87] (WO2017/088991)  
[30] GB (1520864.8) 2015-11-26  
[30] GB (1520948.9) 2015-11-27

[21] **3,006,230**  
[13] A1

[51] **Int.Cl. F42B 39/14 (2006.01) F42B 39/24 (2006.01)**  
[25] EN  
[54] **SHAPED CHARGE METAL FOAM PACKAGE**  
[54] **EMBALLAGE EN MOUSSE METALLIQUE POUR CHARGE FACONNEE**  
[72] MCNELIS, LIAM, DE  
[72] PREISS, FRANK HARON, DE  
[72] LOHKEN, JORN OLAF, DE  
[72] SHAHINPOUR, ARASH, DE  
[72] MULLER, JORG, DE  
[71] DYNAENERGETICS GMBH & CO. KG., DE  
[85] 2018-05-24  
[86] 2016-11-07 (PCT/EP2016/076877)  
[87] (WO2017/097512)  
[30] US (62/264,037) 2015-12-07  
[30] US (62/276,342) 2016-01-08

[21] **3,006,233**  
[13] A1

[51] **Int.Cl. C12N 9/12 (2006.01) C12Q 1/68 (2018.01)**  
[25] EN  
[54] **PURIFICATION OF POLYMERASE COMPLEXES**  
[54] **PURIFICATION DE COMPLEXES DE POLYMERASE**  
[72] FRANKLIN, HELEN, US  
[72] CECH, CYNTHIA, US  
[72] CRAIG, TIMOTHY KELLOGG, US  
[72] AYER, ARUNA, US  
[72] DHIMAN, KIRTI, US  
[72] CHECHELSKI JOHNSTON, NATALIE B., US  
[72] MABRY, JOSHUA N., US  
[72] BIBILLO, ARKADIUSZ, US  
[72] CRISALLI, PETER, US  
[72] DAVIS, RANDALL W., US  
[71] F. HOFFMANN-LA ROCHE, CH  
[85] 2018-05-24  
[86] 2016-11-25 (PCT/EP2016/078781)  
[87] (WO2017/089520)  
[30] US (62/260,194) 2015-11-25  
[30] US (62/295,010) 2016-02-13  
[30] US (62/373,973) 2016-08-11

[21] **3,006,234**  
[13] A1

[51] **Int.Cl. A61L 27/36 (2006.01)**  
[25] EN  
[54] **METHOD FOR INACTIVATING XENOANTIGENS IN BIOLOGICAL TISSUES**  
[54] **PROCEDE D'INACTIVATION DE HETERO-ANTIGENES DANS DES TISSUS BIOLOGIQUES**  
[72] NASO, FILIPPO, IT  
[72] GANDAGLIA, ALESSANDRO, IT  
[71] BIOCOMPATIBILITY INNOVATION SRL, IT  
[85] 2018-05-24  
[86] 2016-11-25 (PCT/EP2016/078898)  
[87] (WO2017/093147)  
[30] IT (102015000078236) 2015-11-30

[21] **3,006,235**  
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01)**  
[25] EN  
[54] **BIPARATOPIC POLYPEPTIDES ANTAGONIZING WNT SIGNALING IN TUMOR CELLS**  
[54] **POLYPEPTIDES BIPARATOPIQUES AYANT UN EFFET ANTAGONISTE SUR LA SIGNALISATION WNT DANS DES CELLULES TUMORALES**  
[72] ZINZALLA, VITTORIA, DE  
[72] KUENKELE, KLAUS-PETER, DE  
[72] BUYSE, MARIE-ANGE, BE  
[72] CROMIE, KAREN, BE  
[72] STAELENS, STEPHANIE, BE  
[72] STRUBBE, BEATRIJS, BE  
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE  
[85] 2018-05-24  
[86] 2016-12-02 (PCT/EP2016/079575)  
[87] (WO2017/093478)  
[30] EP (15197999.4) 2015-12-04

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[21] **3,006,236**  
[13] A1

[51] **Int.Cl. B29B 9/14 (2006.01) B29B 7/00 (2006.01) B29B 7/16 (2006.01) B29B 7/28 (2006.01) B29B 7/90 (2006.01)**

[25] EN

[54] **PROCESS FOR MANUFACTURING A PRECURSOR MATERIAL**

[54] **PROCEDE DE FABRICATION D'UN MATERIAU PRECURSEUR**

[72] HENDRIX, SANDRA, NL

[72] BALLEET, WIM, BE

[72] MALETRAS, LUCILE, NL

[71] SAPPI NETHERLANDS SERVICES B.V., NL

[85] 2018-05-24

[86] 2016-12-05 (PCT/EP2016/079782)

[87] (WO2017/097719)

[30] EP (15198308.7) 2015-12-07

[21] **3,006,237**  
[13] A1

[51] **Int.Cl. C07D 409/10 (2006.01) A61K 31/381 (2006.01) A61P 5/00 (2006.01)**

[25] EN

[54] **CRYSTALLIZATION PROCEDURE FOR OBTAINING CANAGLIFLOZIN HEMIHYDRATE CRYSTALS**

[54] **PROCEDE DE CRISTALLISATION POUR OBTENIR DES CRISTAUX DE CANAGLIFLOZINE HEMIHYDRATE**

[72] DE KEYSER, RUBEN, BE

[72] LAPS, STIJN, BE

[72] RAMMELOO, THOMAS JOACHIM LANDEWALD, BE

[72] WEERTS, KOEN JOHAN HERMAN, BE

[71] JANSSEN PHARMACEUTICA NV, BE

[85] 2018-05-24

[86] 2016-12-20 (PCT/EP2016/081861)

[87] (WO2017/108752)

[30] EP (15201459.3) 2015-12-21

[30] EP (16172070.1) 2016-05-31

[21] **3,006,238**  
[13] A1

[51] **Int.Cl. A24D 1/10 (2006.01) A24F 47/00 (2006.01)**

[25] EN

[54] **BREAKABLE AEROSOL GENERATING ARTICLE**

[54] **ARTICLE DE GENERATION D'AEROSOL CASSABLE**

[72] MALGAT, ALEXANDRE, CH

[71] PHILIP MORRIS PRODUCTS S.A., CH

[85] 2018-05-24

[86] 2016-12-22 (PCT/EP2016/082469)

[87] (WO2017/114760)

[30] EP (15203249.6) 2015-12-31

[21] **3,006,239**  
[13] A1

[51] **Int.Cl. A24D 1/02 (2006.01) A24F 47/00 (2006.01)**

[25] EN

[54] **AEROSOL-GENERATING ARTICLE COMPRISING A THERMAL INDICATOR**

[54] **ARTICLE DE PRODUCTION D'AEROSOL COMPRENANT UN INDICATEUR THERMIQUE**

[72] LAVANCHY, FREDERIC, CH

[71] PHILIP MORRIS PRODUCTS S.A., CH

[85] 2018-05-24

[86] 2016-12-29 (PCT/EP2016/082836)

[87] (WO2017/114895)

[30] EP (15203266.0) 2015-12-31

[21] **3,006,241**  
[13] A1

[51] **Int.Cl. A47C 19/00 (2006.01) A47C 5/10 (2006.01) A47C 17/64 (2006.01) A47C 19/02 (2006.01)**

[25] EN

[54] **A COLLAPSIBLE BED BASE**

[54] **BASE DE LIT REPLIABLE**

[72] BITZOUNIS, ARTHUR, ZA

[71] BITZOUNIS, ARTHUR, ZA

[71] QASIM, MOHAMMED ASIF, ZA

[85] 2018-05-24

[86] 2015-11-25 (PCT/IB2015/059114)

[87] (WO2017/089868)

[21] **3,006,242**  
[13] A1

[51] **Int.Cl. A61K 47/50 (2017.01) A61K 47/08 (2006.01)**

[25] EN

[54] **CONJUGATES COMPRISING SELF-IMMOLATIVE GROUPS AND METHODS RELATED THERETO**

[54] **CONJUGUES COMPRENANT DES GROUPES AUTO-IMMOLABLES ET PROCEDES ASSOCIES**

[72] KIM, YONG ZU, KR

[72] OH, YEONG SOO, KR

[72] CHAE, JEIWOOK, KR

[72] SONG, HO YOUNG, KR

[72] CHUNG, CHUL-WOONG, KR

[72] PARK, YUN HEE, KR

[72] CHOI, HYO JUNG, KR

[72] PARK, KYUNG EUN, KR

[72] KIM, HYOUNGRAE, KR

[72] KIM, JINYEONG, KR

[72] MIN, JI YOUNG, KR

[72] KIM, SUNG MIN, KR

[72] LEE, BYUNG SOO, KR

[72] WOO, DONG HYUN, KR

[72] JUN, JI EUN, KR

[72] LEE, SU IN, KR

[71] LEGOCHEM BIOSCIENCES, INC., KR

[85] 2018-05-24

[86] 2016-11-23 (PCT/IB2016/001772)

[87] (WO2017/089890)

[30] US (62/260,046) 2015-11-25

[21] **3,006,243**  
[13] A1

[51] **Int.Cl. A47J 31/06 (2006.01) A23N 12/08 (2006.01) A47J 31/36 (2006.01) A47J 31/42 (2006.01)**

[25] EN

[54] **COFFEE DISPENSING APPARATUS**

[54] **APPAREIL DE DISTRIBUTION DE CAFE**

[72] MALKIN, HUGH, GB

[72] BULLOCK, TIMOTHY CHARLES, GB

[72] GUTSELL, GRAHAM SCOTT, GB

[72] GEORGE, IAN MICHEAL RIORDEN, GB

[72] HASTINGS, NICHOLAS JAMES, GB

[71] CAMBDEV LIMITED, GB

[85] 2018-05-24

[86] 2016-11-24 (PCT/GB2016/053696)

[87] (WO2017/089810)

[30] GB (1520831.7) 2015-11-25

[30] GB (1604993.4) 2016-03-24

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[21] **3,006,244**  
[13] A1

[51] **Int.Cl. B29C 70/06 (2006.01) C08J 5/04 (2006.01)**

[25] EN

[54] **MOLDING APPARATUS, MANUFACTURING METHOD, AND FIBER REINFORCED RESIN MATERIAL**

[54] **MACHINE DE MOULAGE, PROCEDE DE FABRICATION ET MATERIAU DE RESINE RENFORCE PAR DES FIBRES**

[72] FUJITA, NAOHIRO, JP  
[72] MORINO, KAZUhide, JP  
[72] INADOME, MASATO, JP  
[72] GOKE, MASAYOSHI, JP  
[72] ARAGANE, YOSUKE, JP  
[72] KIMURA, TOMO, JP  
[72] KIMURA, GAKU, JP  
[72] SUKEMUNE, TAKESHI, JP  
[72] OKUBO, AKINORI, JP  
[71] ADEKA CORPORATION, JP  
[85] 2018-05-24  
[86] 2016-11-21 (PCT/JP2016/084415)  
[87] (WO2017/090551)  
[30] JP (2015-229455) 2015-11-25

[21] **3,006,246**  
[13] A1

[51] **Int.Cl. D06M 11/155 (2006.01) D06M 11/17 (2006.01) D06M 11/22 (2006.01) D06M 11/46 (2006.01) D06M 11/57 (2006.01) D06M 11/76 (2006.01) D06M 11/83 (2006.01) D06M 13/352 (2006.01) D06M 13/355 (2006.01) D06M 15/227 (2006.01) D06M 15/263 (2006.01) D06M 15/327 (2006.01) D06M 15/333 (2006.01) D06M 15/564 (2006.01) D06M 16/00 (2006.01)**

[25] EN

[54] **POLLEN DENATURATION COATING COMPOSITON FOR FABRICS**

[54] **COMPOSITION DE REVETEMENT DE DENATURATION DE POLLEN POUR TISSUS**

[72] BIRTLES, STEPHEN, GB  
[71] LOUVER-LITE LIMITED, GB  
[85] 2018-05-24  
[86] 2016-12-09 (PCT/GB2016/053908)  
[87] (WO2017/098280)  
[30] GB (1521774.8) 2015-12-10

[21] **3,006,247**  
[13] A1

[51] **Int.Cl. A61K 47/50 (2017.01) A61K 47/08 (2006.01) A61K 47/22 (2006.01)**

[25] EN

[54] **CONJUGATES COMPRISING PEPTIDE GROUPS AND METHODS RELATED THERETO**

[54] **CONJUGUES COMPRENANT DES GROUPE PEPTIDIQUES ET PROCEDES ASSOCIES A CEUX-CI**

[72] KIM, YONG ZU, KR  
[72] OH, YEONG SOO, KR  
[72] CHAE, JEIWOOK, KR  
[72] SONG, HO YOUNG, KR  
[72] CHUNG, CHUL-WOONG, KR  
[72] PARK, YUN HEE, KR  
[72] CHOI, HYO JUNG, KR  
[72] PARK, KYUNG EUN, KR  
[72] KIM, HYOUNGRAE, KR  
[72] KIM, JINYEONG, KR  
[72] MIN, JI YOUNG, KR  
[72] KIM, SUNG MIN, KR  
[72] LEE, BYUNG SOO, KR  
[72] WOO, DONG HYUN, KR  
[72] JUNG, JI EUN, KR  
[72] LEE, SU IN, KR  
[71] LEGOCHEM BIOSCIENCES, INC., KR

[85] 2018-05-24  
[86] 2016-11-23 (PCT/IB2016/001810)  
[87] (WO2017/089894)  
[30] US (62/260,006) 2015-11-25  
[30] US (62/259,997) 2015-11-25

[21] **3,006,248**  
[13] A1

[51] **Int.Cl. C08G 69/26 (2006.01) C08G 69/28 (2006.01)**

[25] EN

[54] **POLYAMIDE RESIN, MOLDED ARTICLE AND PROCESS FOR MANUFACTURING POLYAMIDE RESIN**

[54] **RESINE POLYAMIDE, ARTICLE MOULE ET PROCEDE DE PRODUCTION D'UNE RESINE POLYAMIDE**

[72] KATO, TOMONORI, JP  
[72] KOBAYASHI, MASAYUKI, JP  
[71] MITSUBISHI GAS CHEMICAL COMPANY, INC., JP  
[85] 2018-05-24  
[86] 2016-11-21 (PCT/JP2016/084460)  
[87] (WO2017/090556)  
[30] JP (2015-231865) 2015-11-27

[21] **3,006,249**  
[13] A1

[51] **Int.Cl. A61K 47/50 (2017.01) A61K 31/45 (2006.01) A61K 45/06 (2006.01) A61K 47/06 (2006.01) A61K 47/08 (2006.01)**

[25] EN

[54] **ANTIBODY-DRUG CONJUGATES COMPRISING BRANCHED LINKERS AND METHODS RELATED THERETO**

[54] **CONJUGUES ANTICORPS-MEDICAMENT COMPRENANT DES LIEURS RAMIFIES ET PROCEDES CONNEXES**

[72] KIM, YONG ZU, KR  
[72] OH, YEONG SOO, KR  
[72] CHAE, JEIWOOK, KR  
[72] SONG, HO YOUNG, KR  
[72] CHUNG, CHUL-WOONG, KR  
[72] PARK, YUN HEE, KR  
[72] CHOI, HYO JUNG, KR  
[72] PARK, KYUNG EUN, KR  
[72] KIM, HYOUNGRAE, KR  
[72] KIM, JINYEONG, KR  
[72] MIN, JI YOUNG, KR  
[72] KIM, SUNG MIN, KR  
[72] LEE, BYUNG SOO, KR  
[72] WOO, DONG HYUN, KR  
[72] JUNG, JI EUN, KR  
[72] LEE, SU IN, KR  
[71] LEGOCHEM BIOSCIENCES, INC., KR  
[85] 2018-05-24  
[86] 2016-11-23 (PCT/IB2016/001811)  
[87] (WO2017/089895)  
[30] US (62/260,006) 2015-11-25

[21] **3,006,251**  
[13] A1

[51] **Int.Cl. A61K 9/10 (2006.01)**

[25] EN

[54] **STERILE PARENTERAL SUSPENSIONS**

[54] **SUSPENSIONS PARENTERALES STERILES**

[72] PRAMANICK, SOUGATA, IN  
[72] BURHAN, AASIYA, IN  
[72] GURJAR, MUKUND, IN  
[71] EMCURE PHARMACEUTICALS LIMITED, IN  
[85] 2018-05-24  
[86] 2016-12-05 (PCT/IB2016/057341)  
[87] (WO2017/098392)  
[30] IN (4617/MUM/2015) 2015-12-07



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[21] **3,006,252**  
[13] A1  
[51] **Int.Cl. C08G 18/79 (2006.01) C08G 18/08 (2006.01) C08G 18/28 (2006.01) C08G 18/80 (2006.01) C08K 5/52 (2006.01) C09D 175/08 (2006.01)**  
[25] EN  
[54] **WATER-DISPERSIBLE POLYISOCYANATES**  
[54] **POLYISOCYANATES DISPERSIBLES DANS L'EAU**  
[72] ROLLER, SEBASTIAN, DE  
[72] LUCAS, FREDERIC, DE  
[71] BASF SE, DE  
[85] 2018-05-24  
[86] 2016-12-02 (PCT/EP2016/079519)  
[87] (WO2017/097668)  
[30] EP (15198566.0) 2015-12-09

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[21] **3,006,253**  
[13] A1  
[51] **Int.Cl. B09B 3/00 (2006.01) B03B 9/00 (2006.01) B03B 9/06 (2006.01) B29B 17/00 (2006.01) B29B 17/02 (2006.01) C05F 9/00 (2006.01) C10L 5/48 (2006.01) D21B 1/02 (2006.01) D21C 5/02 (2006.01)**  
[25] EN  
[54] **WASTE PROCESSING**  
[54] **TRAITEMENT DE DECHETS**  
[72] BANKS, CHARLES, GB  
[72] THOMPSON, NICHOLAS MARK, GB  
[72] PURI, DHIVYA JYOTI, GB  
[72] SPELLER, PETER, GB  
[72] STUART-PAUL, CRAIG, US  
[71] FIBERIGHT LIMITED, GB  
[85] 2018-05-24  
[86] 2016-12-08 (PCT/GB2016/053863)  
[87] (WO2017/098247)  
[30] GB (1521624.5) 2015-12-08

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[21] **3,006,254**  
[13] A1  
[51] **Int.Cl. C07D 267/02 (2006.01) C07C 57/46 (2006.01) C07D 207/36 (2006.01)**  
[25] EN  
[54] **NEW PROCESS AND INTERMEDIATES**  
[54] **NOUVEAU PROCEDE ET COMPOSES INTERMEDIAIRES**  
[72] KLEINBECK-RINIKER, FLORIAN KARL, CH  
[72] MARTIN, BENJAMIN, CH  
[72] PENN, GERHARD, CH  
[72] VENTURONI, FRANCESCO, CH  
[72] SCHLAMA, THIERRY, CH  
[72] RUCH, THOMAS, CH  
[72] ALLMENDINGER, THOMAS, CH  
[72] WIETFELD, BERNHARD, CH  
[72] FILIPPONI, PAOLO, CH  
[71] NOVARTIS AG, CH  
[85] 2018-05-24  
[86] 2016-12-08 (PCT/IB2016/057435)  
[87] (WO2017/098430)  
[30] EP (15199378.9) 2015-12-10  
[30] EP (16198655.9) 2016-11-14

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[21] **3,006,256**  
[13] A1  
[51] **Int.Cl. A01N 47/12 (2006.01) A01N 25/00 (2006.01) A01N 25/04 (2006.01) A01P 3/00 (2006.01)**  
[25] EN  
[54] **AQUEOUS AGROCHEMICAL SUSPENSION COMPOSITION AND DISPERSAL METHOD THEREFOR**  
[54] **COMPOSITION DE SUSPENSION AQUEUSE AGROCHIMIQUE ET PROCEDE POUR LA DISPERSER**  
[72] OHTA, YUICHIRO, JP  
[72] YAMAZAKI, TOSHINOBU, JP  
[71] KUMIAI CHEMICAL INDUSTRY CO., LTD., JP  
[85] 2018-05-24  
[86] 2016-11-28 (PCT/JP2016/085219)  
[87] (WO2017/094677)  
[30] JP (2015-234179) 2015-11-30

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[21] **3,006,258**  
[13] A1  
[51] **Int.Cl. A61B 90/30 (2016.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR A HAND-CONTROLLABLE SURGICAL ILLUMINATION DEVICE**  
[54] **SYSTEMES ET PROCEDES POUR DISPOSITIF D'ECLAIRAGE CHIRURGICAL MANUEL**  
[72] MIRSEPASSI, ALIREZA, US  
[72] PAPAC, MICHAEL J., US  
[72] DOS SANTOS, CESARIO PEREIRA, US  
[72] TAKAKAWA, RYAN MAKOTO, US  
[71] NOVARTIS AG, CH  
[85] 2018-05-24  
[86] 2016-12-13 (PCT/IB2016/057589)  
[87] (WO2017/103794)  
[30] US (62/267,975) 2015-12-16

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[13] A1  
[51] **Int.Cl. A01N 47/12 (2006.01) A01N 25/04 (2006.01) A01N 25/30 (2006.01) A01N 31/14 (2006.01) A01P 3/00 (2006.01) A01P 7/00 (2006.01)**  
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[54] **AGROCHEMICAL COMPOSITION AND DISPERSAL METHOD THEREFOR**  
[54] **COMPOSITION AGROCHIMIQUE ET SON PROCEDE DE DISPERSION**  
[72] OHTA, YUICHIRO, JP  
[72] YAMAZAKI, TOSHINOBU, JP  
[71] KUMIAI CHEMICAL INDUSTRY CO., LTD., JP  
[85] 2018-05-24  
[86] 2016-11-28 (PCT/JP2016/085220)  
[87] (WO2017/094678)  
[30] JP (2015-234180) 2015-11-30

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[51] **Int.Cl. C09K 5/20 (2006.01) C23F 11/08 (2006.01) C23F 11/10 (2006.01)**

[25] EN

[54] **WATER-BASED ENGINE COOLANT FOR USE IN TROPICAL ENVIRONMENTS**

[54] **LIQUIDE DE REFROIDISSEMENT A BASE D'EAU DESTINE A ETRE UTILISE DANS LES ENVIRONNEMENTS TROPICAUX**

[72] NUNES, MARCO, TT

[72] SINGH, DEVENDRA DEO NARAIN, IN

[71] NUNES, MARCO, TT

[71] SINGH, DEVENDRA DEO NARAIN, IN

[85] 2018-05-24

[86] 2017-01-05 (PCT/IB2017/000052)

[87] (WO2017/118909)

[30] US (62/275,496) 2016-01-06

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[13] A1

[51] **Int.Cl. H01P 5/08 (2006.01)**

[25] EN

[54] **CONNECTION STRUCTURE OF HIGH-FREQUENCY TRANSMISSION LINE**

[54] **STRUCTURE DE CONNEXION D'UNE LIGNE DE TRANSMISSION HAUTE FREQUENCE**

[72] WAKITA, HITOSHI, JP

[72] NAGATANI, MUNEHIKO, JP

[72] NOSAKA, HIDEYUKI, JP

[71] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP

[85] 2018-05-24

[86] 2016-12-22 (PCT/JP2016/088398)

[87] (WO2017/111029)

[30] JP (2015-253491) 2015-12-25

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[13] A1

[51] **Int.Cl. B01F 15/02 (2006.01) B01F 3/12 (2006.01) A01C 1/00 (2006.01)**

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[54] **SEED TREATMENT METHOD**

[54] **PROCEDE DE TRAITEMENT DE SEMENCES**

[72] DAVID, CHENGLU, FR

[72] FERLIN, PATRICK, FR

[72] LECHARTIER, CAROLE, FR

[72] PHELIPPEAU, PATRICK, FR

[71] RHODIA OPERATIONS, FR

[85] 2018-05-23

[86] 2016-11-22 (PCT/EP2016/078420)

[87] (WO2017/089342)

[30] FR (1561306) 2015-11-24

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[13] A1

[51] **Int.Cl. A01K 9/00 (2006.01)**

[25] EN

[54] **ANIMAL FEEDING TEATS AND A TEAT MOUNTING SYSTEM**

[54] **TRAYONS D'ALIMENTATION D'ANIMAUX ET UN SYSTEME DE MONTAGE DE TRAYON**

[72] MCINNES, ROSS GORDON, NZ

[71] MCINNES, ROSS GORDON, NZ

[85] 2018-05-24

[86] 2016-12-01 (PCT/NZ2016/050190)

[87] (WO2017/095238)

[30] NZ (714706) 2015-12-01

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[13] A1

[51] **Int.Cl. A24D 1/02 (2006.01) A24F 47/00 (2006.01)**

[25] EN

[54] **AEROSOL GENERATING ARTICLE WITH VENTILATION ZONE**

[54] **ARTICLE DE GENERATION D'AEROSOL DOTE D'UNE ZONE DE VENTILATION**

[72] BATISTA, RUI NUNO, CH

[72] CARRARO, ANDREA, CH

[71] PHILIP MORRIS PRODUCTS S.A., CH

[85] 2018-05-24

[86] 2016-12-19 (PCT/EP2016/081783)

[87] (WO2017/114683)

[30] EP (15203245.4) 2015-12-31

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[51] **Int.Cl. C07C 43/23 (2006.01) A61K 31/565 (2006.01)**

[25] EN

[54] **ESTROGEN RECEPTOR MODULATORS**

[54] **MODULATEURS DU RECEPTEUR DES  $\square$ STROGENES**

[72] PIETRAS, RICHARD J., US

[72] JUNG, MICHAEL E., US

[72] MARQUEZ-GARBAN, DIANA C., US

[72] DENG, GANG, US

[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[85] 2018-05-24

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[87] (WO2016/085825)

[30] US (62/084,884) 2014-11-26

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[13] A1

[51] **Int.Cl. B08B 3/02 (2006.01) B08B 3/08 (2006.01) F28G 9/00 (2006.01)**

[25] EN

[54] **HAND-HELD SOLID CHEMICAL APPLICATOR**

[54] **APPLICATEUR DE PRODUIT CHIMIQUE SOLIDE A MAIN**

[72] KANE, TIMOTHY J., US

[72] FRANZINO, JOSEPH J., US

[72] FIELD, RAY, US

[71] CROSSFORD INTERNATIONAL, LLC, US

[85] 2018-05-24

[86] 2015-10-28 (PCT/US2015/057758)

[87] (WO2017/074337)

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[13] A1

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[54] **LIGHT-ACTIVATED PREPARATION OF HYDROGELS**

[54] **PREPARATION PHOTOACTIVEE D'HYDROGELS**

[72] LIM, SHEN KHOON, NZ

[72] WOODFIELD, TIMOTHY BRYAN FRANCIS, NZ

[72] BROWN, GABRIELLA CHRISTINA JOHANNA, NZ

[71] OTAGO INNOVATION LIMITED, NZ

[85] 2018-05-24

[86] 2016-12-02 (PCT/NZ2016/050192)

[87] (WO2017/095240)

[30] US (62/262,245) 2015-12-02

[30] US (62/380,189) 2016-08-26

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[25] EN  
[54] **SYSTEMS AND METHODS FOR SHARING CONTENT**  
[54] **SYSTEMES ET PROCEDES POUR LE PARTAGE DE CONTENU**  
[72] SRINIVASAN, RAGAVAN, US  
[72] BERNSTEIN, AARON SAMUEL, US  
[72] PRYOR, LEONARD WILLIAM, US  
[71] FACEBOOK, INC., US  
[85] 2018-05-24  
[86] 2015-11-25 (PCT/US2015/062796)  
[87] (WO2017/091233)  
[30] US (14/951,280) 2015-11-24

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[13] A1

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[25] EN  
[54] **AN OUTER LAYER FOR ENZYME SENSORS**  
[54] **COUCHE EXTERNE POUR DES CAPTEURS D'ENZYME**  
[72] KJAER, THOMAS, DK  
[72] HANSEN, THOMAS STEEN, DK  
[72] CLAUSEN, LYDIA DAHL, DK  
[71] RADIOMETER MEDICAL APS, DK  
[85] 2018-05-24  
[86] 2016-11-23 (PCT/EP2016/078529)  
[87] (WO2017/089380)  
[30] DK (PA 2015 00755) 2015-11-27

[21] **3,006,273**  
[13] A1

[51] **Int.Cl. G02B 6/44 (2006.01)**  
[25] EN  
[54] **SYSTEMS FOR STACKING MODULAR FIBER OPTIC CABINETS, AND RELATED DEVICES, COMPONENTS, AND METHODS**  
[54] **SYSTEMES D'EMPILAGE DE BOITIERS MODULAIRES A FIBRES OPTIQUES, ET DISPOSITIFS, ELEMENTS ET PROCEDES ASSOCIES**  
[72] GALVAN MIJANGOS, CESAR ALBERTO, MX  
[72] SANCHEZ GARCIA, SERGIO, MX  
[71] CORNING OPTICAL COMMUNICATIONS LLC, US  
[85] 2018-05-24  
[86] 2016-10-19 (PCT/US2016/057632)  
[87] (WO2017/091306)  
[30] US (14/951,612) 2015-11-25

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[13] A1

[51] **Int.Cl. G02B 27/40 (2006.01) G02B 7/04 (2006.01) G02B 27/01 (2006.01) G02B 27/10 (2006.01) G02B 27/16 (2006.01)**  
[25] EN  
[54] **DYNAMIC FOCUSING HEAD MOUNTED DISPLAY**  
[54] **VISIOCASQUE A MISE AU POINT DYNAMIQUE**  
[72] VAN HEUGTEN, ANTHONY, US  
[71] E-VISION SMART OPTICS, INC., US  
[85] 2018-05-24  
[86] 2016-10-28 (PCT/US2016/059346)  
[87] (WO2017/112084)  
[30] US (62/270,896) 2015-12-22

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[13] A1

[51] **Int.Cl. C03C 17/06 (2006.01) B64C 1/14 (2006.01) C03C 17/36 (2006.01) C03C 17/38 (2006.01) H01Q 15/00 (2006.01) H01Q 15/10 (2006.01) H05K 1/02 (2006.01)**  
[25] EN  
[54] **TRANSPARENCY INCLUDING CONDUCTIVE MESH**  
[54] **TRANSPARENT AVEC MAILLE CONDUCTRICE**  
[72] UPRETY, KRISHNA K., US  
[72] BIMANAND, ALEXANDER, US  
[72] LAKDAWALA, KHUSHROO H., US  
[71] PPG INDUSTRIES OHIO, INC., US  
[85] 2018-05-24  
[86] 2016-11-03 (PCT/US2016/060393)  
[87] (WO2017/091337)  
[30] US (62/260,151) 2015-11-25  
[30] US (15/009,630) 2016-01-28

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[13] A1

[51] **Int.Cl. C07C 203/00 (2006.01) C07F 15/02 (2006.01) C07F 15/04 (2006.01) C07F 15/06 (2006.01)**  
[25] EN  
[54] **METHOD FOR PREPARING SALTS OF ARENE-TRANSITION METAL SANDWICH COMPLEXES**  
[54] **PROCEDE DE PREPARATION DE SELS DE COMPLEXES SANDWICH ARENE-METAL DE TRANSITION**  
[72] HEMGESBERG, MAXIMILIAN, DE  
[72] FRANK, JURGEN, DE  
[72] NORENBERG, RALF, DE  
[71] BASF SE, DE  
[85] 2018-05-24  
[86] 2016-12-09 (PCT/EP2016/080410)  
[87] (WO2017/097969)  
[30] EP (15199397.9) 2015-12-10

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[13] A1

[51] **Int.Cl. G01V 1/38 (2006.01) G01V 1/00 (2006.01)**  
[25] EN  
[54] **CODING OF SIGNALS FOR EFFICIENT ACQUISITION**  
[54] **CODAGE DE SIGNAUX POUR ACQUISITION EFFICACE**  
[72] ABMA, RAYMOND LEE, US  
[71] BP CORPORATION NORTH AMERICA INC., US  
[85] 2018-05-24  
[86] 2016-11-10 (PCT/US2016/061389)  
[87] (WO2017/105688)  
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[13] A1

[51] **Int.Cl. C01B 11/02 (2006.01) B01F 5/00 (2006.01) B01J 19/26 (2006.01)**

[25] EN

[54] **SYSTEMS, REACTORS, METHODS AND COMPOSITIONS FOR PRODUCING CHLORINE DIOXIDE**

[54] **SYSTEMES, REACTEURS, PROCEDES ET COMPOSITIONS POUR LA PRODUCTION DE DIOXYDE DE CHLORE**

[72] STENSLAND, GEOFFREY LAWRENCE, US

[72] RAVANDER, DAVID ROBERT, US

[71] CHEME SOLUTIONS PROCESS ENGINEERING, INC., US

[85] 2018-05-24

[86] 2016-11-22 (PCT/US2016/063383)

[87] (WO2017/091599)

[30] US (62/260,051) 2015-11-25

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[13] A1

[51] **Int.Cl. F03B 13/10 (2006.01) F16D 31/02 (2006.01)**

[25] EN

[54] **MODULAR BALANCED FOIL APPARATUS AND METHOD**

[54] **APPAREIL D'AILE EQUILIBREE MODULAIRE ET PROCEDE**

[72] KERR, COLIN, CA

[71] RESHYDRO LLC, US

[85] 2018-05-24

[86] 2015-12-02 (PCT/US2015/063548)

[87] (WO2016/090057)

[30] US (62/086,704) 2014-12-02

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[13] A1

[51] **Int.Cl. A01D 87/12 (2006.01) A01B 73/00 (2006.01) B66F 9/00 (2006.01)**

[25] EN

[54] **A RETENTION MECHANISM FOR AGRICULTURAL MACHINERY**

[54] **MECANISME DE RETENUE POUR DES MACHINES AGRICOLES**

[72] CURRIE, JAMES ROBERT, NZ

[72] CURRIE, RICHARD ANDREW, NZ

[71] HUSTLER EQUIPMENT LIMITED, NZ

[85] 2018-05-24

[86] 2016-12-16 (PCT/NZ2016/050198)

[87] (WO2017/105253)

[30] NZ (715347) 2015-12-18

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[13] A1

[51] **Int.Cl. E21B 33/14 (2006.01) E21B 33/128 (2006.01)**

[25] EN

[54] **STAGE CEMENTING TOOL AND METHOD**

[54] **OUTIL ET PROCEDE DE CIMENTATION D'ETAGE**

[72] ZHOU, SHAOHUA, SA

[71] SAUDI ARABIAN OIL COMPANY, SA

[85] 2018-05-24

[86] 2016-04-28 (PCT/US2016/029796)

[87] (WO2017/091246)

[30] US (14/952,721) 2015-11-25

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[13] A1

[51] **Int.Cl. H01L 39/22 (2006.01) H01L 23/532 (2006.01) H01L 39/24 (2006.01)**

[25] EN

[54] **NON-OXIDE BASED DIELECTRICS FOR SUPERCONDUCTOR DEVICES**

[54] **DIELECTRIQUES NON BASES SUR DES OXYDES POUR SUPRACONDUCTEURS**

[72] KELLIHER, JAMES T., US

[72] DI GIACOMO, SANDRO J., US

[72] SHERMAN, CORY E., US

[72] WAGNER, BRIAN P., US

[71] NORTHROP GRUMMAN SYSTEMS CORPORATION, US

[85] 2018-05-24

[86] 2016-10-14 (PCT/US2016/057178)

[87] (WO2017/099886)

[30] US (14/962,981) 2015-12-08

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[13] A1

[51] **Int.Cl. C12N 7/00 (2006.01) C12N 15/85 (2006.01) C12N 15/86 (2006.01)**

[25] EN

[54] **TRANSIENT TRANSFECTION METHOD FOR RETROVIRAL PRODUCTION**

[54] **PROCEDE DE TRANSFECTION TRANSITOIRE POUR LA PRODUCTION DE RETROVIRUS**

[72] JOHNSON, SABINE, GB

[72] PALLANT, CELESTE, GB

[72] VAMVA, EIRINI, GB

[72] VINK, CONRAD, GB

[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB

[85] 2018-05-24

[86] 2016-11-21 (PCT/EP2016/078334)

[87] (WO2017/089307)

[30] GB (1520764.0) 2015-11-24

[30] GB (1609354.4) 2016-05-26

[21] **3,006,286**  
[13] A1

[51] **Int.Cl. F03B 13/14 (2006.01) F03B 13/18 (2006.01)**

[25] EN

[54] **MODULAR DEVICE FOR CONVERTING WAVE ENERGY**

[54] **DISPOSITIF MODULAIRE POUR LA CONVERSION DE L'ENERGIE DES VAGUES**

[72] LYTOVCHENKO, MYKHAILO YURIYOVYCH, UA

[72] LYTOVCHENKO, MYKHAILO MYKHAILOVYCH, UA

[71] LYTOVCHENKO, MYKHAILO YURIYOVYCH, UA

[71] PARKHOMENKO, OLEKSII HENNADIHOVYCH, UA

[71] PARKHOMENKO, SERHII VIKTOROVYCH, UA

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[86] 2016-09-16 (PCT/UA2016/000109)

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[30] UA (a 2015 09843) 2015-10-12

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[25] EN

[54] **FOOD CONTACT SURFACE SANITIZING LIQUID**

[54] **LIQUIDE DE DESINFECTION D'UNE SURFACE EN CONTACT AVEC LES ALIMENTS**

[72] RIPBERGER, CARRIE, US

[72] TIMBERMAN, JULIE, US

[72] MCCORMICK, WILLIAM, III, US

[72] LEPPLA, PHOEBE, US

[72] GARBER, SAMUEL, US

[71] THE CLOROX COMPANY, US

[85] 2018-05-24

[86] 2016-11-16 (PCT/US2016/062313)

[87] (WO2017/099964)

[30] US (62/265,800) 2015-12-10

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[13] A1

[51] **Int.Cl. C12N 5/10 (2006.01) C12N 7/02 (2006.01) C12N 7/04 (2006.01) C12N 15/85 (2006.01)**

[25] EN

[54] **STABLE CELL LINES FOR RETROVIRAL PRODUCTION**

[54] **LIGNEES CELLULAIRES STABLES POUR LA PRODUCTION DE RETROVIRUS**

[72] JOHNSON, SABINE, GB

[72] PALLANT, CELESTE, GB

[72] VAMVA, EIRINI, GB

[72] VINK, CONRAD, GB

[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB

[85] 2018-05-24

[86] 2016-11-21 (PCT/EP2016/078336)

[87] (WO2017/089308)

[30] GB (1520761.6) 2015-11-24

[30] GB (1609303.1) 2016-05-26

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[13] A1

[51] **Int.Cl. B08B 9/04 (2006.01) B08B 9/053 (2006.01)**

[25] EN

[54] **TUBE SCRAPER PROJECTILE PROJECTILE DE RACLAGE DE TUBES**

[72] FRANZINO, JOSEPH J., US

[72] SRINIVASMURTHY, VENKATAGIRI, US

[71] CROSSFORD INTERNATIONAL, LLC, US

[85] 2018-05-24

[86] 2015-10-09 (PCT/US2015/054832)

[87] (WO2017/062023)

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[13] A1

[51] **Int.Cl. H02M 1/08 (2006.01) H03K 17/06 (2006.01)**

[25] EN

[54] **DRIVER CIRCUIT AND SWITCH DRIVING METHOD**

[54] **CIRCUIT DE COMMANDE ET PROCEDE DE COMMANDE DE COMMUTATEUR**

[72] LEVY, YEHUDA DANIEL, IL

[72] RAMABHADRAN, RAMANUJAM, US

[71] GENERAL ELECTRIC COMPANY, US

[85] 2018-05-24

[86] 2016-11-17 (PCT/US2016/062423)

[87] (WO2017/095635)

[30] US (14/958,411) 2015-12-03

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[13] A1

[51] **Int.Cl. A61K 31/00 (2006.01) A61K 31/4152 (2006.01) A61P 9/00 (2006.01) A61P 9/10 (2006.01)**

[25] EN

[54] **TARGETING OF THE FORMYL-PEPTIDE RECEPTOR 2/LIPOXIN A4 RECEPTOR (FPR2/ALX) FOR TREATMENT OF HEART DISEASE**

[54] **CIBLAGE DU RECEPTEUR 2 DE PEPTIDE FORMYLE / DU RECEPTEUR DE LA LIPOXINE A4 (FPR2/ALX) POUR LE TRAITEMENT DE MALADIES CARDIAQUES**

[72] OSTROWSKI, JACEK, US

[72] GARCIA, RICARDO, US

[72] WURTZ, NICHOLAS R., US

[71] BRISTOL-MYERS SQUIBB COMPANY, US

[85] 2018-05-24

[86] 2016-11-21 (PCT/US2016/063036)

[87] (WO2017/091496)

[30] US (62/259,498) 2015-11-24

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[13] A1

[51] **Int.Cl. B05B 15/00 (2018.01) B01F 7/16 (2006.01) B01F 15/00 (2006.01)**

[25] EN

[54] **SPRAYER SYSTEM**

[54] **SYSTEME PULVERISATEUR**

[72] YOUNG, ROY EARL, II, US

[71] CARLISLE FLUID TECHNOLOGIES, INC., US

[85] 2018-05-24

[86] 2016-11-17 (PCT/US2016/062617)

[87] (WO2017/091450)

[30] US (62/260,290) 2015-11-26

[30] US (15/353,698) 2016-11-16

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[51] **Int.Cl. C12P 7/06 (2006.01) C12C 11/00 (2006.01)**  
[25] EN  
[54] **PROCESSES FOR RECOVERING PRODUCTS FROM A CORN FERMENTATION MASH**  
[54] **PROCEDES PERMETTANT DE RECUPERER DES PRODUITS A PARTIR D'UN MOUT DE FERMENTATION DE MAIS**  
[72] BOOTSMA, JASON, US  
[71] FLINT HILLS RESOURCES, LP, US  
[85] 2018-05-24  
[86] 2016-11-23 (PCT/US2016/063666)  
[87] (WO2017/091766)  
[30] US (62/260,181) 2015-11-25  
[30] US (62/324,159) 2016-04-18

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[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/06 (2006.01) A61K 31/155 (2006.01) A61K 31/436 (2006.01) A61K 31/519 (2006.01) A61P 17/00 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01) A61P 43/00 (2006.01)**  
[25] EN  
[54] **COMBINATIONS OF RAPAMYCIN AND METFORMIN FOR THE TREATMENT OF JOINT AND SKIN DISEASES**  
[54] **COMBINAISONS DE RAPAMYCINE ET DE METFORMINE POUR LE TRAITEMENT DE MALADIES ARTICULAIRES ET CUTANEEES**  
[72] MELIN, JEFFREY M., US  
[71] MELIN, JEFFREY M., US  
[85] 2018-05-24  
[86] 2016-11-18 (PCT/US2016/062656)  
[87] (WO2017/091454)  
[30] US (62/259,384) 2015-11-24  
[30] US (62/318,302) 2016-04-05  
[30] US (15/241,312) 2016-08-19

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[13] A1

[51] **Int.Cl. B01D 61/42 (2006.01) B01D 61/56 (2006.01) C01B 11/02 (2006.01) C02F 1/469 (2006.01) C02F 11/12 (2006.01)**  
[25] EN  
[54] **ELECTROKINETIC THICKENING AND DEWATERING METHOD AND SYSTEM**  
[54] **PROCEDE ET SYSTEME D'EPAISSISSEMENT ET DE DESHYDRATATION ELECTROCINETIQUES**  
[72] MUSSARI, FREDERICK P., US  
[72] NORRIS, MICHAEL PHILLIP, US  
[71] BCR ENVIRONMENTAL CORPORATION, US  
[85] 2018-05-24  
[86] 2016-11-22 (PCT/US2016/063356)  
[87] (WO2017/091587)  
[30] US (62/259,675) 2015-11-25

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[21] **3,006,296**  
[13] A1

[51] **Int.Cl. E21B 43/12 (2006.01) F04B 47/06 (2006.01) H02K 5/132 (2006.01)**  
[25] EN  
[54] **SEAL ASSEMBLY FOR A SUBMERSIBLE PUMPING SYSTEM AND AN ASSOCIATED METHOD THEREOF**  
[54] **ENSEMBLE A JOINT D'ETANCHEITE POUR SYSTEME DE POMPAGE SUBMERSIBLE ET PROCEDE ASSOCIE**  
[72] SAMUDRALA, OMPRAKASH, US  
[72] VAN DAM, JEREMY DANIEL, US  
[72] REEVES, BRIAN PAUL, US  
[72] COLLINS, CHARLES EVAN, US  
[72] WANG, JIFENG, US  
[71] GENERAL ELECTRIC COMPANY, US  
[85] 2018-05-24  
[86] 2016-12-02 (PCT/US2016/064519)  
[87] (WO2017/096103)  
[30] US (14/959,084) 2015-12-04

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[21] **3,006,297**  
[13] A1

[51] **Int.Cl. G06F 15/16 (2006.01)**  
[25] EN  
[54] **METHOD AND DESCRIPTORS FOR COMPARING OBJECT-INDUCED INFORMATION FLOWS IN A PLURALITY OF INTERACTION NETWORKS**  
[54] **PROCEDES ET DESCRIPTEURS POUR COMPARER DES FLUX D'INFORMATIONS INDUITES PAR UN OBJET DANS UNE PLURALITE DE RESEAUX D'INTERACTION**  
[72] FLIRI, ANTON FRANZ JOSEPH, US  
[71] FLIRI, ANTON FRANZ JOSEPH, US  
[85] 2018-05-24  
[86] 2016-11-25 (PCT/US2016/063792)  
[87] (WO2017/091822)  
[30] US (62/260,088) 2015-11-25

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[21] **3,006,298**  
[13] A1

[51] **Int.Cl. F16G 3/16 (2006.01) B29C 65/00 (2006.01) B29C 65/18 (2006.01) F16G 3/00 (2006.01) F16G 3/10 (2006.01)**  
[25] EN  
[54] **BELT SPLICING APPARATUS AND METHOD**  
[54] **APPAREIL ET PROCEDE D'EPISSAGE DE COURROIE**  
[72] VAN'T SCHIP, JOHANNES STEFANUS, US  
[72] PETTINGA, MARK STEVEN, US  
[71] FLEXIBLE STEEL LACING COMPANY, US  
[85] 2018-05-24  
[86] 2016-12-02 (PCT/US2016/064757)  
[87] (WO2017/096253)  
[30] US (62/262,905) 2015-12-03

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<p style="text-align: center;">[21] <b>3,006,299</b> [13] A1</p> <p>[51] <b>Int.Cl. B65B 61/18 (2006.01) B31B 70/81 (2017.01) B65B 9/20 (2012.01)</b></p> <p>[25] EN</p> <p>[54] <b>CRUSHED END OF SELF-MATING CLOSURE SEGMENT FOR LAP OR FIN SEAL</b></p> <p>[54] <b>EXTREMITE ECRASEE DE SEGMENT DE FERMETURE A AUTO-ACCOUPEMENT POUR RACCORD A RECOUVREMENT OU A AILETTES</b></p> <p>[72] PLOURDE, ERIC, US</p> <p>[71] ILLINOIS TOOL WORKS INC., US</p> <p>[85] 2018-05-24</p> <p>[86] 2016-12-07 (PCT/US2016/065293)</p> <p>[87] (WO2017/100263)</p> <p>[30] US (62/264,545) 2015-12-08</p>	<p style="text-align: center;">[21] <b>3,006,301</b> [13] A1</p> <p>[51] <b>Int.Cl. H02G 3/06 (2006.01) H02G 3/08 (2006.01) H02G 3/18 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>ELECTRICAL BOX CABLE CLAMP</b></p> <p>[54] <b>COLLIER DE SERRAGE DE BOITIER ELECTRIQUE</b></p> <p>[72] KORCZ, KRZYSZTOF W., US</p> <p>[72] JOHNSON, STEVEN J., US</p> <p>[72] RICHARD, JOSEPH EDWARD, US</p> <p>[71] HUBBELL INCORPORATED, US</p> <p>[85] 2018-05-24</p> <p>[86] 2016-12-07 (PCT/US2016/065419)</p> <p>[87] (WO2017/100342)</p> <p>[30] US (62/264,015) 2015-12-07</p>	<p style="text-align: center;">[21] <b>3,006,303</b> [13] A1</p> <p>[51] <b>Int.Cl. A61K 9/00 (2006.01) A61K 31/00 (2006.01) A61K 47/10 (2017.01) A61P 27/02 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>SHAPE CHANGING DRUG DELIVERY DEVICES AND METHODS</b></p> <p>[54] <b>DISPOSITIFS D'ADMINISTRATION DE MEDICAMENTS A CHANGEMENT DE FORME ET PROCEDES</b></p> <p>[72] JARRETT, PETER, US</p> <p>[72] MCGRATH, MICHAEL J., US</p> <p>[72] JARRETT, TIMOTHY S., US</p> <p>[72] EL-HAYEK, RAMI, US</p> <p>[72] VANSLETTE, ANDREW C., US</p> <p>[72] ROSALES, COURTNEY A., US</p> <p>[72] BLIZZARD, CHARLES D., US</p> <p>[72] SAWHNEY, AMARPREET S., US</p> <p>[71] INCEPT, LLC, US</p> <p>[85] 2018-05-24</p> <p>[86] 2016-11-23 (PCT/US2016/063633)</p> <p>[87] (WO2017/091749)</p> <p>[30] US (62/260,068) 2015-11-25</p> <p>[30] US (62/319,033) 2016-04-06</p>
<p style="text-align: center;">[21] <b>3,006,300</b> [13] A1</p> <p>[51] <b>Int.Cl. C07D 413/14 (2006.01) A61K 31/4706 (2006.01) A61K 31/517 (2006.01) A61P 19/02 (2006.01) A61P 25/28 (2006.01) A61P 31/18 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07D 239/84 (2006.01) C07D 401/04 (2006.01) C07D 413/04 (2006.01) C07D 471/04 (2006.01) C07D 471/10 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>BICYCLIC BET BROMODOMAIN INHIBITORS AND USES THEREOF</b></p> <p>[54] <b>INHIBITEURS DE BROMODOMAINES BET BICYCLIQUES ET LEURS UTILISATIONS</b></p> <p>[72] STROVEL, JEFFREY WILLIAM, US</p> <p>[72] YOSHIOKA, MAKOTO, US</p> <p>[72] MALONEY, DAVID J., US</p> <p>[72] YANG, SHYH MING, US</p> <p>[72] JADHAV, AJIT, US</p> <p>[72] URBAN, DANIEL JASON, US</p> <p>[71] CONVERGENE LLC, US</p> <p>[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US</p> <p>[85] 2018-05-24</p> <p>[86] 2016-11-23 (PCT/US2016/063485)</p> <p>[87] (WO2017/091661)</p> <p>[30] US (62/259,894) 2015-11-25</p>	<p style="text-align: center;">[21] <b>3,006,302</b> [13] A1</p> <p>[51] <b>Int.Cl. A61K 39/00 (2006.01) A61K 31/352 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>METHOD OF EX VIVO ENHANCEMENT OF IMMUNE CELL ACTIVITY FOR CANCER IMMUNOTHERAPY WITH A SMALL MOLECULE ABLATIVE COMPOUND</b></p> <p>[54] <b>PROCEDE DE STIMULATION EX VIVO DE L'ACTIVITE DE CELLULES IMMUNITAIRES POUR L'IMMUNOTHERAPIE DU CANCER A L'AIDE D'UN COMPOSE D'ABLATION A PETITES MOLECULES</b></p> <p>[72] SINGER, JAMIE, US</p> <p>[72] WACHTER, ERIC A., US</p> <p>[72] SARNAIK, AMOD, US</p> <p>[72] PHILON-THOMAS, SHARI, US</p> <p>[72] LIU, HAO, US</p> <p>[71] PROVECTUS PHARMATECH, INC., US</p> <p>[71] H. LEE MOFFITT CANCER CENTER AND RESEARCH INSTITUTE, INC., US</p> <p>[85] 2018-05-24</p> <p>[86] 2016-12-08 (PCT/US2016/065542)</p> <p>[87] (WO2017/105993)</p> <p>[30] US (14/974,357) 2015-12-18</p>	<p style="text-align: center;">[21] <b>3,006,304</b> [13] A1</p> <p>[51] <b>Int.Cl. B26F 1/04 (2006.01) B26F 1/06 (2006.01) F26B 3/02 (2006.01) F26B 21/00 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>WALL HOLE PUNCH DEVICE AND METHOD</b></p> <p>[54] <b>DISPOSITIF ET PROCEDE DE PERFORATION DE TROUS DANS UN MUR</b></p> <p>[72] HARE, CHARLES, W., US</p> <p>[72] SMITH, MARCUS A., US</p> <p>[71] HARE, CHARLES, W., US</p> <p>[71] SMITH, MARCUS A., US</p> <p>[85] 2018-05-24</p> <p>[86] 2016-11-23 (PCT/US2016/063521)</p> <p>[87] (WO2017/091686)</p> <p>[30] US (14/951,682) 2015-11-25</p>

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[21] **3,006,305**  
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) C12N 15/113 (2010.01) A61K 38/16 (2006.01) A61K 38/46 (2006.01) A61P 31/18 (2006.01) C12N 9/22 (2006.01) C12N 15/63 (2006.01) C12Q 1/70 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **GENE EDITING METHODS AND COMPOSITIONS FOR ELIMINATING RISK OF JC VIRUS ACTIVATION AND PML (PROGRESSIVE MULTIFOCAL LEUKOENCEPHALOPATHY) DURING IMMUNOSUPPRESSIVE THERAPY**

[54] **PROCEDES ET COMPOSITIONS D'EDITION GENIQUE PERMETTANT D'ELIMINER LE RISQUE D'ACTIVATION DU VIRUS JC ET DE LEMP (LEUCOENCEPHALOPATHIE MULTIFOCAL PROGRESSIVE) PENDANT UN TRAITEMENT IMMUNOSUPPRESSEUR**

[72] KHALILI, KAMEL, US  
[72] MALCOLM, THOMAS, US  
[72] KOHN, KENNETH I., US  
[71] EXCISION BIOTHERAPEUTICS, INC., US  
[71] TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US  
[85] 2018-05-24  
[86] 2016-12-08 (PCT/US2016/065583)  
[87] (WO2017/100431)  
[30] US (62/265,109) 2015-12-09

[21] **3,006,307**  
[13] A1

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

[25] EN

[54] **SEAL ASSEMBLY FOR A SUBMERSIBLE PUMPING SYSTEM AND AN ASSOCIATED METHOD THEREOF**

[54] **ENSEMBLE DE JOINT D'ETANCHEITE POUR SYSTEME DE POMPAGE SUBMERSIBLE ET PROCEDE ASSOCIE**

[72] WANG, JIFENG, US  
[72] SAMUDRALA, OMPRAKASH, US  
[71] GENERAL ELECTRIC COMPANY, US  
[85] 2018-05-24  
[86] 2016-11-30 (PCT/US2016/064141)  
[87] (WO2017/095876)  
[30] US (14/959,137) 2015-12-04

[21] **3,006,308**  
[13] A1

[51] **Int.Cl. B02C 9/00 (2006.01) C11B 1/02 (2006.01) C11B 1/10 (2006.01) C12P 7/06 (2006.01) C12P 7/08 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR GRINDING CORN AND MAKING ETHANOL THEREFROM**

[54] **PROCEDES ET SYSTEMES DE BROYAGE DE MAIS ET DE FABRICATION D'ETHANOL A PARTIR DE CE DERNIER**

[72] BOOTSMA, JASON, US  
[72] REYNOLDS, JAMES, US  
[71] FLINT HILLS RESOURCES, LP, US  
[85] 2018-05-24  
[86] 2016-11-23 (PCT/US2016/063657)  
[87] (WO2017/091760)  
[30] US (62/260,181) 2015-11-25

[21] **3,006,309**  
[13] A1

[51] **Int.Cl. C12N 5/10 (2006.01) A61K 31/7088 (2006.01) A61K 48/00 (2006.01) C12N 7/00 (2006.01) C12N 7/01 (2006.01) C12N 7/02 (2006.01) C12Q 1/70 (2006.01)**

[25] EN

[54] **SCALABLE METHODS FOR PRODUCING RECOMBINANT ADENO-ASSOCIATED VIRAL (AAV) VECTOR IN SERUM-FREE SUSPENSION CELL CULTURE SYSTEM SUITABLE FOR CLINICAL USE**

[54] **PROCEDES SUSCEPTIBLES D'ETRE DEVELOPPES POUR LA PRODUCTION D'UN VECTEUR VIRAL ADENO-ASSOCIE (AAV) DANS UN SYSTEME DE CULTURE CELLULAIRE EN SUSPENSION EXEMPT DE SERUM APPROPRIE POUR UNE UTILISATION CLINIQUE SYSTEME**

[72] QU, GUANG, US  
[72] LU, LIN, US  
[72] WRIGHT, JOHN FRASER, US  
[71] SPARK THERAPEUTICS, INC., US  
[85] 2018-05-24  
[86] 2016-12-01 (PCT/US2016/064414)  
[87] (WO2017/096039)  
[30] US (62/261,815) 2015-12-01

[21] **3,006,310**  
[13] A1

[51] **Int.Cl. F24F 13/04 (2006.01) F24F 7/06 (2006.01) F24F 11/00 (2018.01) F24F 13/14 (2006.01) F24F 13/28 (2006.01)**

[25] EN

[54] **AIR MIXING DEVICE**

[54] **DISPOSITIF MELANGEUR D'AIR**

[72] MICHALSKI, STEVEN, US  
[71] MICHALSKI, STEVEN, US  
[85] 2018-05-24  
[86] 2016-10-19 (PCT/US2016/057777)  
[87] (WO2017/070259)  
[30] US (14/887,392) 2015-10-20

[21] **3,006,312**  
[13] A1

[51] **Int.Cl. A61M 39/10 (2006.01) A61M 5/145 (2006.01) A61M 39/00 (2006.01) A61M 39/04 (2006.01) A61M 39/16 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR FLARED LUER CONNECTOR FOR MEDICAL TUBING**

[54] **SYSTEME ET PROCEDE POUR CONNECTEUR LUER EVASE POUR TUBE MEDICAL**

[72] SEALFON, ANDREW I., US  
[72] GHESHMI, SIAVASH, US  
[71] REPRO-MED SYSTEMS, INC., US  
[85] 2018-05-24  
[86] 2016-10-21 (PCT/US2016/058056)  
[87] (WO2017/119935)  
[30] US (62/274,487) 2016-01-04  
[30] US (15/291,895) 2016-10-12



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[21] **3,006,313**  
[13] A1

[51] **Int.Cl. C07K 14/195 (2006.01) A61K 47/66 (2017.01) A61K 9/127 (2006.01) A61P 35/00 (2006.01) C07C 43/295 (2006.01) C07D 305/14 (2006.01) C07H 15/252 (2006.01) C07K 1/06 (2006.01) C07K 1/113 (2006.01) C07K 7/08 (2006.01) C07K 14/00 (2006.01) C07K 14/47 (2006.01) C07K 17/00 (2006.01) C40B 40/10 (2006.01)**

[25] EN

[54] **PEPTIDE COMPOUNDS AND PEPTIDE CONJUGATES FOR THE TREATMENT OF CANCER THROUGH RECEPTOR-MEDIATED CHEMOTHERAPY**

[54] **COMPOSES PEPTIDIQUES ET CONJUGUES PEPTIDIQUES DESTINES AU TRAITEMENT DU CANCER PAR CHIMIOETHERAPIE A MEDIATION PAR UN RECEPTEUR**

[72] BELIVEAU, RICHARD, CA  
[72] ANNABI, BORHANE, CA  
[72] DEMEULE, MICHEL, CA  
[72] LAROCQUE, ALAIN, CA  
[72] CURRIE, JEAN-CHRISTOPHE, CA  
[72] CHARFI, CYNDIA, CA  
[71] TRANSFERT PLUS, S.E.C., CA  
[85] 2018-05-24  
[86] 2016-11-24 (PCT/CA2016/051379)  
[87] (WO2017/088058)  
[30] US (62/259,178) 2015-11-24

[21] **3,006,314**  
[13] A1

[51] **Int.Cl. F16L 13/14 (2006.01) B21D 39/04 (2006.01) F16L 21/035 (2006.01) F16L 55/11 (2006.01)**

[25] EN

[54] **SPRINKLER ADAPTER AND PIPE PLUG**

[54] **ADAPTATEUR DE GICLEUR ET BOUCHON DE TUYAU**

[72] DOLE, DOUGLAS R., US  
[72] WANG, WEI, US  
[72] VAN WERT, JAMES, US  
[71] VICTAULIC COMPANY, US  
[85] 2018-05-24  
[86] 2016-11-22 (PCT/US2016/063284)  
[87] (WO2017/095692)  
[30] US (62/260,922) 2015-11-30  
[30] US (62/359,395) 2016-07-07

[21] **3,006,317**  
[13] A1

[51] **Int.Cl. G21C 1/32 (2006.01) G21D 1/02 (2006.01) G21D 3/04 (2006.01) H02B 5/00 (2006.01)**

[25] EN

[54] **MULTI-MODULAR POWER PLANT WITH DEDICATED ELECTRICAL GRID**

[54] **CENTRALE ELECTRIQUE MULTIMODULAIRE A RESEAU ELECTRIQUE DEDIE**

[72] INGERSOLL, DANIEL, US  
[72] REYES, JOSE N., JR., US  
[72] GALYEAN, BILL, US  
[72] DOYLE, JEREMIAH, US  
[72] HOUGH, TED, US  
[72] SNUGGERUD, ROSS, US  
[71] NUSCALE POWER, LLC, US  
[85] 2018-05-24  
[86] 2016-12-08 (PCT/US2016/065589)  
[87] (WO2017/106001)  
[30] US (62/268,992) 2015-12-17  
[30] US (62/312,094) 2016-03-23  
[30] US (15/369,528) 2016-12-05

[21] **3,006,318**  
[13] A1

[51] **Int.Cl. C22C 21/06 (2006.01) C22C 21/08 (2006.01) C22C 21/14 (2006.01) C22C 21/16 (2006.01) C22F 1/043 (2006.01) C22F 1/047 (2006.01) C22F 1/05 (2006.01) C22F 1/057 (2006.01)**

[25] EN

[54] **HIGH STRENGTH 6XXX ALUMINUM ALLOYS AND METHODS OF MAKING THE SAME**

[54] **ALLIAGES D'ALUMINIUM 6XXX HAUTE RESISTANCE ET LEURS PROCEDES D'ELABORATION**

[72] AHMED, HANY, US  
[72] WEN, WEI, US  
[72] BASSI, CORRADO, CH  
[72] DESPOIS, AUDE, CH  
[72] FLOREY, GUILLAUME, CH  
[72] VARONE, XAVIER, CH  
[71] NOVELIS INC., US  
[85] 2018-05-24  
[86] 2016-12-16 (PCT/US2016/067209)  
[87] (WO2017/106665)  
[30] US (62/269,180) 2015-12-18

[21] **3,006,319**  
[13] A1

[51] **Int.Cl. B01D 61/58 (2006.01) C02F 1/42 (2006.01) C02F 1/44 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR MANIPULATION OF ION CONCENTRATION TO MAXIMIZE EFFICIENCY OF ION EXCHANGE**

[54] **SYSTEME ET PROCEDE DE MANIPULATION DE CONCENTRATION D'IONS POUR MAXIMISER L'EFFICACITE D'ECHANGE D'IONS**

[72] MERTZ, JOSHUA, US  
[72] SIMPSON, BRETT, US  
[72] LUEY, JA-KAEL, US  
[72] ORME, RON, US  
[72] CARLSON, DAVID, US  
[71] KURION, INC., US  
[85] 2018-05-24  
[86] 2017-01-24 (PCT/US2017/014750)  
[87] (WO2017/132151)  
[30] US (62/286,927) 2016-01-25

[21] **3,006,322**  
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61D 1/16 (2006.01) A61D 7/00 (2006.01) A61K 9/20 (2006.01) A61K 9/22 (2006.01) A61K 9/28 (2006.01) A61K 9/52 (2006.01)**

[25] EN

[54] **MEDICINE DELIVERY AND ANIMAL MANAGEMENT SYSTEMS**

[54] **SYSTEMES D'ADMINISTRATION DE MEDICAMENT ET DE GESTION D'ANIMAUX**

[72] VANDIERENDONCK, MICHAEL L., US  
[72] MARTINEZ, MARCELO A., US  
[71] JVD, INC., US  
[85] 2018-05-24  
[86] 2016-11-29 (PCT/US2016/064026)  
[87] (WO2017/095821)  
[30] US (62/261,014) 2015-11-30  
[30] US (62/402,782) 2016-09-30

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[21] **3,006,324**

[13] A1

[51] **Int.Cl. B62D 25/20 (2006.01) B62D  
29/00 (2006.01)**

[25] EN

[54] **VEHICLE UNDERBODY  
STRUCTURE COMPRISING A  
REINFORCEMENT ELEMENT  
BETWEEN A LONGITUDINAL  
BEAM AND A LOWERSIDE SILL  
PART**

[54] **STRUCTURE DE SOUBASSEMENT  
DE CARROSSERIE DE VEHICULE  
COMPRENANT UN ELEMENT DE  
RENFORCEMENT ENTRE UNE  
POUTRE LONGITUDINALE ET  
UNE PARTIE FIXE DE FACE  
INFERIEURE**

[72] VIAUX, IVAN, FR

[72] ARNAUTU, FLORIAN, FR

[71] ARCELORMITTAL, LU

[85] 2018-05-24

[86] 2016-12-09 (PCT/EP2016/002076)

[87] (WO2017/097424)

[30] IB (PCT/IB2015/059478) 2015-12-09

# 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

<p>[21] <b>2,979,170</b> [13] A1</p> <p>[51] <b>Int.Cl. A01B 29/04 (2006.01) B60C 7/12 (2006.01) B60C 7/24 (2006.01)</b></p> <p>[25] FR</p> <p>[54] <b>TIRE ELEMENT FOR AN AGRICULTURAL TOOL INCLUDING A RIGID BASEPLATE</b></p> <p>[54] <b>ELEMENT PNEUMATIQUE D'OUTIL AGRICOLE COMPRENANT UNE EMBASE RIGIDE</b></p> <p>[72] PIOU, DENIS, FR</p> <p>[71] OTICO, FR</p> <p>[22] 2017-09-12</p> <p>[41] 2018-03-30</p> <p>[30] FR (1659462) 2016-09-30</p>	<p>[21] <b>2,980,702</b> [13] A1</p> <p>[51] <b>Int.Cl. B01D 21/28 (2006.01) B01D 21/26 (2006.01) E21B 21/06 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>PORTABLE LIQUID RECOVERY SYSTEM WITH OPTIONAL PRELIMINARY PROCESSOR AND FEED</b></p> <p>[54] <b>SYSTEME DE RECUPERATION DE LIQUIDE PORTATIF DOTE D'UN APPAREIL DE TRAITEMENT ET ALIMENTATION PRELIMINAIRE OPTIONNEL</b></p> <p>[72] MALCOLM, WILLIAM CARLYLE, US</p> <p>[71] WILMAC, INC. DBA BORETEC EQUIPMENT, US</p> <p>[22] 2017-09-26</p> <p>[41] 2018-03-26</p> <p>[30] US (62/400,032) 2016-09-26</p> <p>[30] US (62/401,068) 2016-09-28</p> <p>[30] US (62/530,838) 2017-07-10</p> <p>[30] US (15/715,158) 2017-09-26</p>	<p>[21] <b>3,002,407</b> [13] A1</p> <p>[51] <b>Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>SYSTEM FOR INCREASING THROUGHPUT OF AN AGRICULTURAL PRODUCT METERING SYSTEM</b></p> <p>[54] <b>SYSTEME SERVANT A AUGMENTER LE DEBIT D'UN SYSTEME DE DOSAGE POUR PRODUIT AGRICOLE</b></p> <p>[72] ROBERGE, MARTIN J., CA</p> <p>[72] PEUTERT, CHANCE, CA</p> <p>[72] RUPPERT, REX LEROY, US</p> <p>[72] HANSEN, BRADLEY DENNIS, US</p> <p>[71] CNH INDUSTRIAL CANADA, LTD., CA</p> <p>[22] 2014-10-03</p> <p>[41] 2015-06-17</p> <p>[62] 2,866,047</p> <p>[30] US (14/109,287) 2013-12-17</p>
<p>[21] <b>2,980,453</b> [13] A1</p> <p>[51] <b>Int.Cl. B29C 64/295 (2017.01) B29C 64/209 (2017.01)</b></p> <p>[25] EN</p> <p>[54] <b>METHOD AND APPARATUS FOR ACCURATELY DISPENSING MATERIAL</b></p> <p>[54] <b>METHODE ET APPAREIL DE DISTRIBUTION PRECISE D'UN MATERIAU</b></p> <p>[72] WARNER, BENJAMIN, US</p> <p>[72] DE REGE THESAURO, FRANCESCO, US</p> <p>[71] WARNER, BENJAMIN, US</p> <p>[71] DE REGE THESAURO, FRANCESCO, US</p> <p>[22] 2017-09-27</p> <p>[41] 2018-05-22</p> <p>[30] US (62425559) 2016-11-22</p>	<p>[21] <b>2,998,037</b> [13] A1</p> <p>[51] <b>Int.Cl. A24F 47/00 (2006.01) B01D 1/00 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>ELECTRONIC VAPOUR PROVISION SYSTEM</b></p> <p>[54] <b>SYSTEME DE DISTRIBUTION DE VAPEUR ELECTRONIQUE</b></p> <p>[72] LORD, CHRISTOPHER, GB</p> <p>[71] NICOVENTURES HOLDINGS LIMITED, GB</p> <p>[22] 2014-10-08</p> <p>[41] 2015-04-16</p> <p>[62] 2,922,280</p> <p>[30] GB (1317851.2) 2013-10-09</p>	

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[13] A1

[51] **Int.Cl. G01N 15/10 (2006.01) A01N 1/02 (2006.01) A61D 19/02 (2006.01)**  
[25] EN  
[54] **APPARATUS, METHODS AND PROCESSES FOR SORTING PARTICLES AND FOR PROVIDING SEX-SORTED ANIMAL SPERM**  
[54] **DISPOSITIFS, PROCEDES ET PROCESSUS PERMETTANT DE TRIER DES PARTICULES ET D'OBTENIR DU SPERME ANIMAL PRODUISANT UNE PROGENITURE DE SEXE DONNE**  
[72] DURACK, GARY, US  
[72] HATCHER, JEREMY T., US  
[72] WESTFALL, LON A., US  
[72] HELBLING, DAVID R., US  
[72] WALLACE, JEFFREY D., US  
[72] VANDRE, GARY P., US  
[72] NAYAK, NIRAJ V., US  
[71] INGURAN, LLC, US  
[22] 2004-03-29  
[41] 2004-10-14  
[62] 2,752,312  
[30] US (60/458,607) 2003-03-28  
[30] US (60/458,731) 2003-03-28

[21] **3,002,945**  
[13] A1

[51] **Int.Cl. A61K 31/47 (2006.01) A61P 35/00 (2006.01)**  
[25] EN  
[54] **METHODS OF USING C-MET MODULATORS**  
[54] **PROCEDES D'UTILISATION DE MODULATEURS DE C-MET**  
[72] AFTAB, DANA T., US  
[72] MUELLER, THOMAS, US  
[72] WEITZMAN, AARON, US  
[72] HOLLAND, JAYMES, US  
[71] EXELIXIS, INC., US  
[22] 2010-08-06  
[41] 2011-02-10  
[62] 2,770,100  
[30] US (61/232,382) 2009-08-07

[21] **3,003,062**  
[13] A1

[51] **Int.Cl. A61K 31/585 (2006.01) A61P 15/18 (2006.01)**  
[25] EN  
[54] **PHARMACEUTICAL COMPOSITION COMPRISING DROSPIRENONE AND CONTRACEPTIVE KIT**  
[54] **COMPOSITION PHARMACEUTIQUE CONTENANT DE LA DROSPIRENONE ET KIT CONTRACEPTIF**  
[72] PERRIN, PHILIPPE, FR  
[72] VELADA, JOSE, NL  
[72] DROUIN, DOMINIQUE, FR  
[71] LABORATORIOS LEON FARMA SA, ES  
[22] 2011-06-28  
[41] 2012-01-05  
[62] 2,803,721  
[30] EP (10305708.9) 2010-06-29  
[30] US (61/368,396) 2010-07-28

[21] **3,003,083**  
[13] A1

[51] **Int.Cl. A01N 43/56 (2006.01) A01N 35/04 (2006.01) A01N 37/36 (2006.01) A01N 37/46 (2006.01) A01N 43/30 (2006.01) A01N 43/32 (2006.01) A01N 43/36 (2006.01) A01N 43/40 (2006.01) A01N 43/828 (2006.01) A01N 43/84 (2006.01) A01N 43/90 (2006.01) A01P 3/00 (2006.01)**  
[25] EN  
[54] **SYNERGISTIC FUNGICIDAL COMBINATIONS COMPRISING TRICYCLIC CARBOXAMIDE DERIVATIVES**  
[54] **COMBINAISONS FONGICIDES SYNERGETIQUES RENFERMANT DES DERIVES DE CARBOXAMIDE TRICYCLIQUE**  
[72] WALTER, HARALD, CH  
[72] CORSI, CAMILLA, CH  
[72] EHRENFREUND, JOSEF, CH  
[72] LAMBERTH, CLEMENS, CH  
[72] TOBLER, HANS, CH  
[71] SYNGENTA PARTICIPATIONS AG, CH  
[22] 2005-10-06  
[41] 2006-04-13  
[62] 2,944,816  
[30] GB (0422401.0) 2004-10-08

[21] **3,003,143**  
[13] A1

[51] **Int.Cl. C07D 223/16 (2006.01)**  
[25] EN  
[54] **8-SUBSTITUTED BENZOAZEPINES AS TOLL-LIKE RECEPTOR MODULATORS**  
[54] **BENZOAZEPINES SUBSTITUEES EN 8, MODULATRICES DU RECEPTEUR TOLL-LIKE**  
[72] DOHERTY, GEORGE A., US  
[72] EARY, C. TODD, US  
[72] GRONEBERG, ROBERT D., US  
[72] JONES, ZACHARY, US  
[71] ARRAY BIOPHARMA, INC., US  
[22] 2006-08-17  
[41] 2007-03-01  
[62] 2,865,331  
[30] US (60/710,004) 2005-08-19

[21] **3,003,213**  
[13] A1

[51] **Int.Cl. C07C 311/51 (2006.01) A61K 31/63 (2006.01) A61P 31/18 (2006.01)**  
[25] EN  
[54] **POLYMORPHS OF ACYL SULFONAMIDES**  
[54] **POLYMORPHES DE SULFONAMIDES D'ACYLE**  
[72] DAVIDSON, JAMES PRENTICE, US  
[72] MARTIN, MICHAEL, US  
[72] PANG, FEI, US  
[72] WONG, MARGARET, US  
[71] F. HOFFMANN-LA ROCHE AG, CH  
[22] 2009-08-31  
[41] 2010-03-18  
[62] 2,949,912  
[30] US (61/095,364) 2008-09-09

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[13] A1

[51] **Int.Cl. F24F 1/20 (2011.01) H02B 1/015 (2006.01) H02H 1/00 (2006.01)**  
[25] EN  
[54] **AN OUTDOOR UNIT HAVING AN AIR CONDITIONING UNIT AND A PREMISES POWER SOURCE ACCESSORY PANEL**  
[54] **PANNEAU D'ALIMENTATION ELECTRIQUE SUR PLACE POUR UNE UNITE EXTERIEURE ET METHODE D'ADAPTATION D'UNE UNITE EXTERIEURE AUDIT PANNEAU**  
[72] USELTON, ROBERT B., US  
[72] BRIZENDINE, TIMOTHY J., US  
[71] LENNOX INDUSTRIES INC., US  
[22] 2011-01-06  
[41] 2011-07-18  
[62] 2,727,139  
[30] US (61/295,941) 2010-01-18  
[30] US (12/975,479) 2010-12-22

[21] **3,003,524**  
[13] A1

[51] **Int.Cl. H04S 7/00 (2006.01) H04M 3/56 (2006.01)**  
[25] EN  
[54] **MULTIDIMENSIONAL VIRTUAL LEARNING SYSTEM AND METHOD**  
[54] **SYSTEME D'APPRENTISSAGE VIRTUEL MULTIDIMENSIONNEL ET METHODE**  
[72] GLEIM, GARRETT W., US  
[71] GLEIM CONFERENCING, LLC, US  
[22] 2014-08-15  
[41] 2018-05-02  
[62] 2,919,803  
[30] US (61/872,068) 2013-08-30  
[30] US (14/460,575) 2014-08-15

[21] **3,003,862**  
[13] A1

[51] **Int.Cl. A61B 34/20 (2016.01) A61B 1/313 (2006.01) A61B 17/94 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR INHIBITING INJURY TO A PATIENT DURING LAPAROSCOPIC SURGERY**  
[54] **SYSTEME ET METHODE PERMETTANT D'EMPECHER UNE BLESSURE A UN PATIENT PENDANT UNE CHIRURGIE PAR LAPAROSCOPIE**  
[72] LANGLOIS, DAVID ALLAN, CA  
[71] MARINER ENDOSURGERY INC., CA  
[22] 2018-05-03  
[41] 2018-05-03  
[30] CA (2,716,228) 2010-09-30

[21] **3,003,975**  
[13] A1

[51] **Int.Cl. A61F 2/46 (2006.01) A61B 17/70 (2006.01) A61F 2/44 (2006.01)**  
[25] EN  
[54] **ANCHORING DEVICE, INTERVERTEBRAL IMPLANT AND IMPLANTATION INSTRUMENT**  
[54] **DISPOSITIF D'ANCRAGE, IMPLANT INTERVERTEBRAL ET INSTRUMENT D'IMPLANTATION**  
[72] DINVILLE, HERVE, FR  
[72] LEQUETTE, SAMUEL, FR  
[72] DELHAYE, MANUEL, FR  
[72] PARENT, HENRY FRANCOIS, FR  
[72] FALINE, ALEXIS, FR  
[72] LAWNER, PABLO M., FR  
[72] ZAHRAWI, FAISSAL, FR  
[72] BIERSTEDT, THOMAS, DE  
[71] LDR MEDICAL, FR  
[22] 2009-12-31  
[41] 2011-07-07  
[62] 2,785,617

[21] **3,003,988**  
[13] A1

[51] **Int.Cl. A61K 31/5365 (2006.01) A61K 31/513 (2006.01) A61P 31/18 (2006.01)**  
[25] EN  
[54] **COMBINATIONS FOR USE IN THE INHIBITION OF HIV-1**  
[54] **COMBINAISONS A UTILISER POUR L'INHIBITION DU VIH-1**  
[72] UNDERWOOD, MARK RICHARD, US  
[71] VIIV HEALTHCARE COMPANY, US  
[22] 2011-01-24  
[41] 2011-08-04  
[62] 2,787,691  
[30] US (61/298,589) 2010-01-27

[21] **3,004,028**  
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/603 (2006.01) A61K 31/606 (2006.01) A61K 31/635 (2006.01) A61K 31/655 (2006.01) A61P 31/04 (2006.01)**  
[25] EN  
[54] **FORMULATIONS AND USES OF 2-HYDROXY-5-PHENYLAZOBENZOIC ACID DERIVATIVES**  
[54] **PREPARATIONS A BASE DE DERIVES D'ACIDE 2-HYDROXY-5-PHENYLAZOBENZOIQUE ET LEURS APPLICATIONS**  
[72] JOHNSON, LORIN, US  
[71] SALIX PHARMACEUTICALS, INC., US  
[22] 2007-03-23  
[41] 2008-05-29  
[62] 2,668,441  
[30] US (11/592,854) 2006-11-03

[21] **3,004,234**  
[13] A1

[51] **Int.Cl. H04W 4/029 (2018.01) H04W 4/021 (2018.01) G08G 1/16 (2006.01)**  
[25] EN  
[54] **FLEET MANAGEMENT SYSTEM**  
[54] **SYSTEME DE GESTION DE FLOTTE**  
[72] WELLMAN, TIMOTHY A., US  
[72] WINNER, DEAN E., US  
[71] CROWN EQUIPMENT CORPORATION, US  
[22] 2007-12-13  
[41] 2008-06-19  
[62] 2,672,471  
[30] US (60/869,845) 2006-12-13

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[21] **3,004,236**  
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/28 (2012.01) G06Q 50/30 (2012.01)**

[25] EN

[54] **FLEET MANAGEMENT SYSTEM**

[54] **SYSTEME DE GESTION DE FLOTTE**

[72] WELLMAN, TIMOTHY A., US

[72] WINNER, DEAN E., US

[71] CROWN EQUIPMENT CORPORATION, US

[22] 2007-12-13

[41] 2008-06-19

[62] 2,672,471

[30] US (60/869,845) 2006-12-13

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[21] **3,004,250**  
[13] A1

[51] **Int.Cl. G06Q 20/06 (2012.01) G06Q 20/38 (2012.01) H04L 12/42 (2006.01)**

[25] EN

[54] **VIRTUAL CURRENCY SYSTEM**

[54] **SYSTEME MONETAIRE VIRTUEL**

[72] MACGREGOR, ROBERT SCOTT, CA

[72] ONG, MILAGRINO JOSE C., CA

[71] NCHAIN HOLDINGS LIMITED, CA

[22] 2015-03-18

[41] 2015-09-24

[62] 2,943,230

[30] US (14/218,781) 2014-03-18

[30] US (14/218,776) 2014-03-18

[30] US (14/218,763) 2014-03-18

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[21] **3,004,327**  
[13] A1

[51] **Int.Cl. B65B 1/04 (2006.01) B65D 88/30 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR BULK MATERIAL STORAGE AND/OR TRANSPORT**

[54] **SYSTEMES ET METHODES POUR LE STOCKAGE ET LE TRANSPORT DE MATERIAU EN VRAC**

[72] HARRIS, ROBERT A., US

[71] SANDBOX LOGISTICS, LLC., US

[22] 2012-09-24

[41] 2013-03-23

[62] 2,791,088

[30] US (61/538,616) 2011-09-23

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[51] **Int.Cl. A61K 39/395 (2006.01) A61P 21/00 (2006.01) A61P 21/04 (2006.01) A61P 25/00 (2006.01) G01N 33/564 (2006.01) G01N 33/566 (2006.01)**

[25] EN

[54] **DETECTION AND TREATMENT OF LRP4-ASSOCIATED NEUROTRANSMISSION DISORDERS**

[54] **DETECTION ET TRAITEMENT DE TROUBLES DE LA NEUROTRANSMISSION ASSOCIES AU RECEPTEUR LRP4**

[72] MEI, LIN, US

[72] XIONG, WEN-CHENG, US

[72] ZHANG, BIN, US

[71] GEORGIA REGENTS RESEARCH INSTITUTE, INC., US

[22] 2010-10-21

[41] 2011-04-28

[62] 2,778,478

[30] US (61/253,610) 2009-10-21

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[21] **3,004,416**  
[13] A1

[51] **Int.Cl. G01N 1/31 (2006.01)**

[25] EN

[54] **MULTIPLEXED MICROSCOPE SLIDE STAINING APPARATUS**

[54] **APPAREIL DE COLORATION DE LAMES DE MICROSCOPE A MULTIPLEXAGE**

[72] ANGROS, LEE H., US

[71] ANGROS, LEE H., US

[22] 2009-08-28

[41] 2010-03-04

[62] 2,772,493

[30] US (61/190,503) 2008-08-29

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[51] **Int.Cl. A47C 7/02 (2006.01) A47C 1/024 (2006.01) A47C 5/06 (2006.01) A47C 7/24 (2006.01) A47C 7/40 (2006.01) A47C 31/02 (2006.01) A47C 31/11 (2006.01)**

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[54] **CHAIR ASSEMBLY**

[54] **ENSEMBLE CHAISE**

[72] KRUPICZEWICZ, TODD D., US

[72] HALL, JEFFREY A., US

[72] PETERSON, GORDON J., US

[72] GROENDAL, DALE M., US

[71] STEELCASE INC., US

[22] 2013-09-19

[41] 2014-03-27

[62] 2,974,799

[30] US (61/703,677) 2012-09-20

[30] US (61/703,667) 2012-09-20

[30] US (61/703,666) 2012-09-20

[30] US (61/703,515) 2012-09-20

[30] US (61/703,663) 2012-09-20

[30] US (61/703,659) 2012-09-20

[30] US (61/703,661) 2012-09-20

[30] US (61/733,661) 2012-12-05

[30] US (61/754,803) 2013-01-21

[30] US (14/029,273) 2013-09-17

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[21] **3,004,565**  
[13] A1

[51] **Int.Cl. C07D 231/14 (2006.01)**

[25] EN

[54] **PROCESS FOR THE PREPARATION OF 3-HALOALKYLPYRAZOLES**

[54] **PROCEDES DE PREPARATION D'HALOALKYLPYRAZOLES**

[72] WANG, LINHUA, US

[72] SHETH, RITESH BHARAT, US

[71] SYNGENTA PARTICIPATIONS AG, CH

[22] 2011-08-03

[41] 2012-02-16

[62] 2,806,436

[30] US (61/372,122) 2010-08-10

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**Demandes canadiennes apparentées par division et  
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,004,578**  
[13] A1

[51] **Int.Cl. H03M 13/11 (2006.01) H03M 13/27 (2006.01) H04L 27/38 (2006.01) H04L 1/22 (2006.01)**

[25] EN

[54] **BIT INTERLEAVER FOR LOW-DENSITY CHECK CODEWORD HAVING LENGTH OF 64800 AND CODE RATE OF 4/15 AND 256-SYMBOL MAPPING, AND BIT INTERLEAVING METHOD USING SAME**

[54] **ENTRELACEUR DE BITS POUR MOT DE CODE DE VERIFICATION DE PARITE FAIBLE DENSITE AYANT UNE LONGUEUR DE 64 800 ET UN TAUX DE CODE DE 4/15 ET MAPPAGE DE SYMBOLE 256, ET METHODE D'ENTRELACEMENT DE BITS ASSOCIEE**

[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] 2015-03-03  
[41] 2015-09-06  
[62] 2,883,547  
[30] KR (10-2014-0026681) 2014-03-06  
[30] KR (10-2015-0009440) 2015-01-20

[21] **3,004,668**  
[13] A1

[51] **Int.Cl. G01N 1/24 (2006.01)**

[25] EN

[54] **GAS DETECTOR APPARATUS APPAREIL DE DETECTION DE GAZ**

[72] WILLIAMSON, ALASDAIR JAMES, GB

[71] GARRETT THERMAL SYSTEMS LIMITED, GB

[22] 2010-06-03  
[41] 2010-12-09  
[62] 2,764,010  
[30] AU (2009902606) 2009-06-05

[21] **3,004,707**  
[13] A1

[51] **Int.Cl. A61K 31/722 (2006.01) A61K 8/73 (2006.01) A61K 9/06 (2006.01) A61K 9/08 (2006.01) A61P 11/00 (2006.01) A61P 17/00 (2006.01) A61P 31/04 (2006.01) A61Q 19/10 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR DISRUPTING BIOFILM UTILIZING CHITOSAN-DERIVATIVE COMPOUNDS**

[54] **PROCEDES ET COMPOSITIONS POUR DETRUIRE UN BIOFILM AU MOYEN DE COMPOSES DERIVES DE CHITOSANE**

[72] BAKER, SHENDA, US  
[72] WIESMANN, WILLIAM P., US  
[72] TOWNSEND, STACY, US  
[71] SYNEDGEN INC., US

[22] 2010-09-02  
[41] 2011-03-10  
[62] 2,806,559  
[30] US (61/239,180) 2009-09-02

[21] **3,004,716**  
[13] A1

[51] **Int.Cl. C07K 14/61 (2006.01) A61K 47/54 (2017.01) A61K 47/60 (2017.01) A61P 5/06 (2006.01)**

[25] EN

[54] **PEGYLATED RECOMBINANT HUMAN GROWTH HORMONE COMPOUNDS**

[54] **COMPOSES D'HORMONE DE CROISSANCE HUMAINE RECOMBINANTS PEGYLES**

[72] RAU, HARALD, DE  
[72] KINDERMANN, SUSANNE, DE  
[72] LESSMANN, TORBEN, DE  
[72] RASMUSSEN, GRETHE NORSKOV, DK  
[72] HERSEL, ULRICH, DE  
[72] WEGGE, THOMAS, DE  
[72] SPROGOE, KENNETT, US  
[71] ASCENDIS PHARMA ENDOCRINOLOGY DIVISION A/S, DK

[22] 2009-04-29  
[41] 2009-11-05  
[62] 2,915,677  
[30] EP (08155408.1) 2009-04-29  
[30] EP (08162865.3) 2008-08-22  
[30] EP (08167289.1) 2008-10-22

[21] **3,004,822**  
[13] A1

[51] **Int.Cl. C07D 279/20 (2006.01) A61K 31/5415 (2006.01)**

[25] EN

[54] **CRYSTALLINE METHYLTHIONIUM CHLORIDE HYDRATES**

[54] **CHLORHYDRATES DE METHYLTHIONIUM CRISTALLINS**

[72] HILFIKER, ROLF, CH  
[72] RAGER, TIMO, CH  
[71] WISTA LABORATORIES LTD., SG

[22] 2010-09-23  
[41] 2011-03-31  
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[54] **FLUOROCHROMES POUR LA DETECTION D'ORGANELLES ET L'IMAGERIE POLYCHROME**

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[72] RABBANI, ELAZAR, US  
[72] LI, ZAIGUO, US  
[72] PATTON, WAYNE FORREST, US  
[72] PANDE, PRAVEEN, US  
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[54] **RAIL MEASURING SYSTEM**

[54] **SYSTEME DE MESURE DE RAIL**

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[72] MULLER, MATHIAS, DE  
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[54] **USE OF HSP70 AS A REGULATOR OF ENZYMATIC ACTIVITY**  
[54] **UTILISATION DU HSP70 EN TANT QUE REGULATEUR DE L'ACTIVITE ENZYMATIQUE**  
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[72] JAATTELA, MARJA HELENA, DK  
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[54] **APPARATUS AND METHOD FOR CARDIAC TISSUE MODULATION BY TOPICAL APPLICATION OF VACUUM TO MINIMIZE CELL DEATH AND DAMAGE**  
[54] **APPAREIL ET PROCEDE POUR LA MODULATION DU TISSU CARDIAQUE PAR APPLICATION TOPIQUE DE VIDE AFIN DE REDUIRE AU MINIMUM LA MORT ET LES DOMMAGES CELLULAIRES**  
[72] ARGENTA, LOUIS C., US  
[72] CARROLL, DAVID L., US  
[72] LEVI, NICOLE H., US  
[72] LIU, JIE, US  
[72] MORYKWAS, MICHAEL J., US  
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[54] **DEVELOPMENT OF DENGUE VIRUS VACCINE COMPONENTS**  
[54] **DEVELOPPEMENT DE COMPOSANTS D'UN VACCIN CONTRE LE VIRUS DE LA DENGUE**  
[72] WHITEHEAD, STEPHEN S., US  
[72] BLANEY, JOSEPH E., US  
[72] MURPHY, BRIAN R., US  
[72] LAI, CHING-JUH, US  
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[54] **PEPTIDES FVIII ET LEUR UTILISATION DANS LA TOLERISATION DE L'HEMOPHILIE**  
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[71] APITOPE INTERNATIONAL NV, BE  
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[25] EN  
[54] **OBJECT TRACKING AND STEER MANEUVERS FOR MATERIALS HANDLING VEHICLES**  
[54] **SUIVI D'OBJET ET MANOEUVRES DE DIRECTION DESTINEES A DES VEHICULES DE MANUTENTION DE MATERIAUX**  
[72] CASTANEDA, ANTHONY T., US  
[72] MCCROSKEY, WILLIAM W., US  
[72] SCHLOEMER, JAMES F., US  
[72] SCHUMACHER, MARK E., US  
[72] SIEFRING, VERNON W., US  
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[54] **PROCESS FOR MAKING BENZOXAZEPIN COMPOUNDS**  
[54] **PROCEDE DE FABRICATION DE COMPOSES BENZOAZEPINES**  
[72] ANGELAUD, REMY, US  
[72] BEAUDRY, DANIAL, US  
[72] CARRERA, DIANE, US  
[72] MALHOTRA, SUSHANT, US  
[72] REMARCHUK, TRAVIS, US  
[72] ST-JEAN, FREDRIC, US  
[71] F. HOFFMANN-LA ROCHE AG, CH  
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[13] A1

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BENZOXAZEPIN COMPOUNDS**  
[54] **PROCEDE DE FABRICATION DE  
COMPOSES BENZOAZEPINES**  
[72] ANGELAUD, REMY, US  
[72] BEAUDRY, DANIAL, US  
[72] CARRERA, DIANE, US  
[72] MALHOTRA, SUSHANT, US  
[72] REMARCHUK, TRAVIS, US  
[72] ST-JEAN, FREDRIC, US  
[71] F. HOFFMANN-LA ROCHE AG, CH  
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[13] A1

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BENZOXAZEPIN COMPOUNDS**  
[54] **PROCEDE DE FABRICATION DE  
COMPOSES BENZOAZEPINES**  
[72] ANGELAUD, REMY, US  
[72] BEAUDRY, DANIAL, US  
[72] CARRERA, DIANE, US  
[72] MALHOTRA, SUSHANT, US  
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[72] ST-JEAN, FREDRIC, US  
[71] F. HOFFMANN-LA ROCHE AG, CH  
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COST**  
[54] **INJECTEUR A USAGE UNIQUE  
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[72] QUINN, MICHAEL, US  
[71] BECTON, DICKINSON AND  
COMPANY, US  
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[25] EN  
[54] **APPARATUS FOR ENERGY  
TRANSFER USING CONVERTER  
AND METHOD OF  
MANUFACTURING SAME**  
[54] **APPAREILLAGE DE TRANSFERT  
D'ENERGIE FAISANT APPEL A  
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METHODE DE FABRICATION  
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[72] STEIGERWALD, ROBERT L., US  
[71] GENERAL ELECTRIC COMPANY,  
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[13] A1

[51] **Int.Cl. H01M 10/6556 (2014.01)  
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[25] EN  
[54] **CONFORMAL FLUID-COOLED  
HEAT EXCHANGER FOR  
BATTERY**  
[54] **ECHANGEUR DE CHALEUR  
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[51] **Int.Cl. F16C 33/04 (2006.01) F16C  
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[54] **APPARATUS FOR TOLERANCE  
RING CONTROL OF SLIP  
INTERFACE SLIDING FORCES**  
[54] **APPAREIL DESTINE A LA  
COMMANDE PAR BAGUE DE  
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DE GLISSEMENT**  
[72] SLAYNE, ANDREW, GB  
[72] NATU, PARAG, DE  
[71] SAINT-GOBAIN PERFORMANCE  
PLASTICS RENCOL LTD, GB  
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[41] 2011-03-31  
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[54] **VIS CIBLEE POUR LA FIXATION  
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[72] SANDER, ELIZABETH J., US  
[71] WRIGHT MEDICAL TECHNOLOGY,  
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[72] COLEMAN, JAMES E., IE  
[72] CUMMINS, CHRISTY, IE  
[71] COLEMAN, JAMES E., IE  
[71] CUMMINS, CHRISTY, IE  
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[54] **RECIPROCATING SKATE BLADE SHARPENER**  
[54] **DISPOSITIF D'AIGUISAGE DE LAME DE PATIN A GLACE A MOUVEMENT ALTERNATIF**  
[72] FROMMER, THOMAS P., CA  
[72] KONTOS, CHRISTOPHER THEODORE, CA  
[72] MARCHAND, SHAWN, CA  
[72] PLOURDE, MARC R., CA  
[72] O'NEILL, AUSTIN, CA  
[72] SCHATZ, KURT, CA  
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[30] US (61/166,367) 2009-04-03  
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[13] A1

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[25] EN  
[54] **IMPACT DAMPING MAT, EQUIPMENT ACCESSORY AND FLOORING SYSTEM**  
[54] **TAPIS AMORTISSEUR D'IMPACT, ACCESSOIRE D'EQUIPEMENT ET SYSTEME DE PLANCHER**  
[72] DOWNEY, PAUL, CA  
[72] GARTENBURG, PAUL, CA  
[71] PLITEQ INC., CA  
[22] 2015-11-30  
[41] 2016-12-25  
[62] 2,914,212  
[30] US (62/184352) 2015-06-25

[21] **3,005,388**  
[13] A1

[51] **Int.Cl. C09K 8/40 (2006.01)**  
[25] EN  
[54] **CEMENT OIL-BASED MUD SPACER FORMULATION**  
[54] **FORMULE DE SEPARATION DE BOUES A L'HUILE DE CIMENT**  
[72] AL-SUBHI, MOHAMMAD LAFI, SA  
[72] JENNINGS, SCOTT STEVEN, SA  
[72] AL-HUMAIDI, AHMAD SALEH, SA  
[71] SAUDI ARABIAN OIL COMPANY, SA  
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[41] 2013-04-18  
[62] 2,850,370  
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[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/82 (2013.01)**  
[25] EN  
[54] **METHODS AND DEVICES FOR REPAIR OR REPLACEMENT OF HEART VALVES OR ADJACENT TISSUE WITHOUT THE NEED FOR FULL CARDIOPULMONARY SUPPORT**  
[54] **PROCEDES ET DISPOSITIFS DE REPARATION OU DE REMPLACEMENT DE VALVULES CARDIAQUES OU DU TISSU CONTIGU SANS NECESSITER UNE ASSISTANCE CARDIO-PULMONAIRE TOTALE**  
[72] HUBER, CHRISTOPH HANS, CH  
[71] EDWARDS LIFESCIENCES CARDIAQ, LLC, US  
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[41] 2006-04-20  
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[30] US (60/615,009) 2004-10-02

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[51] **Int.Cl. H01R 4/66 (2006.01) E01C 5/00 (2006.01) E01C 9/08 (2006.01) E04B 5/02 (2006.01) H05F 3/02 (2006.01)**  
[25] EN  
[54] **APPARATUS AND METHODS FOR ELECTRICALLY COUPLING MULTIPLE ELECTRICALLY-CONDUCTIVE GROUND COVERS**  
[54] **APPAREIL ET METHODES DE MISE A LA TERRE DE MANIERE ELECTRIQUE D'AU MOINS UN TAPIS SUR UNE SURFACE SUPPORTANT UNE CHARGE**  
[72] BORDELON, RANDY PAUL, US  
[72] MCDOWELL, JAMES KERWIN, US  
[71] NEWPARK MATS & INTEGRATED SERVICES LLC, US  
[22] 2016-06-10  
[41] 2017-02-27  
[62] 2,954,523  
[30] US (14/838,064) 2015-08-27  
[30] US (15/178,254) 2016-06-09

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[51] **Int.Cl. E21B 34/06 (2006.01) E21B 33/12 (2006.01) E21B 43/12 (2006.01)**  
[25] EN  
[54] **CONSTRUCTED ANNULAR SAFETY VALVE ELEMENT PACKAGE**  
[54] **GARNITURE ASSEMBLEE D'ELEMENT DE VANNE DE SECURITE ANNULAIRE**  
[72] ROBB, EWAN OGILVIE, US  
[72] SLAY, JEREMY BUC, US  
[72] WEBBER, WINSTON JAMES, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
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[41] 2014-03-06  
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[51] **Int.Cl. B22C 1/02 (2006.01) B22C 9/02 (2006.01)**  
[25] EN  
[54] **FOUNDRY MIXES CONTAINING CARBONATE SALTS AND THEIR USES**  
[54] **MELANGES DE FONDERIE CONTENANT DES SELS DE CARBONATE ET UTILISATIONS DE CES MELANGES**  
[72] SHOWMAN, RALPH E., US  
[72] HARMON, SEAN B., US  
[71] ASK CHEMICALS LLC, US  
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[62] 2,783,978  
[30] US (61/286,913) 2009-12-16  
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[13] A1

[51] **Int.Cl. A61K 39/39 (2006.01) A61K 39/12 (2006.01) A61K 39/135 (2006.01) A61P 31/14 (2006.01) A61P 37/04 (2006.01)**  
[25] EN  
[54] **WATER-IN-OIL EMULSIONS COMPRISING IMMUNOSTIMULATORY OLIGONUCLEOTIDES**  
[54] **EMULSIONS D'EAU DANS L'HUILE RENFERMANT DES OLIGONUCLEOTIDES IMMUNOSTIMULATEURS**  
[72] DOMINOWSKI, PAUL JOSEPH, US  
[72] WILMES, LAUREN, US  
[72] FOSS, DENNIS L., US  
[72] MOHR, KAORI, US  
[72] GALLO, GUILLERMO, US  
[72] HARDHAM, JOHN MORGAN, US  
[72] KREBS, RICHARD LEE, US  
[72] LIGHTLE, SANDRA ANN MARIE, US  
[72] MAHAN, SUMAN, US  
[72] MEDIRATTA, SANGITA, US  
[72] MWANGI, DUNCAN, US  
[72] RAI, SHARATH K., US  
[72] SALMON, SARAH A., US  
[72] VORA, SHAUNAK, US  
[72] FONTAINE, MICHAEL CHRISTOPHER, GB  
[72] SMITH, DAVID GEORGE EMSLIE, GB  
[72] FITZPATRICK, JULIE LYDIA, GB  
[72] DONACHIE, WILLIAM, GB  
[72] JAGLARZ, ANITA DOROTA, GB  
[71] ZOETIS SERVICES LLC, US  
[22] 2014-09-19  
[41] 2015-03-26  
[62] 2,924,526  
[30] US (61/879,959) 2013-09-19

[21] **3,005,780**  
[13] A1

[51] **Int.Cl. G03G 15/06 (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] MURAKAMI, KATSUYA, JP  
[72] NAGASHIMA, TOSHIAKI, JP  
[72] TAZAWA, FUMIO, JP  
[72] OKINO, AYATOMO, JP  
[72] YAMADA, YUSUKE, JP  
[71] CANON KABUSHIKI KAISHA, JP  
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[41] 2010-10-07  
[62] 2,955,475  
[30] JP (2009-082081) 2009-03-30

[21] **3,005,797**  
[13] A1

[51] **Int.Cl. G10L 19/24 (2013.01) G10L 19/125 (2013.01) G10L 19/02 (2013.01)**  
[25] EN  
[54] **HIGH-BAND SIGNAL DECODING OF BIT-STREAM USING MULTIPLE SUB-BANDS**  
[54] **ENCODAGE DE SIGNAL EN BANDE HAUTE UTILISANT MULTIPLES SOUS-BANDES**  
[72] ATTI, VENKATRAMAN S., US  
[72] KRISHNAN, VENKATESH, US  
[71] QUALCOMM INCORPORATED, US  
[22] 2015-03-31  
[41] 2015-10-08  
[62] 2,940,411  
[30] US (61/973,135) 2014-03-31  
[30] US (14/672,868) 2015-03-30

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[25] EN

[54] **COMPOSITIONS CONTAINING, METHODS INVOLVING, AND USES OF NON-NATURAL AMINO ACIDS AND POLYPEPTIDES**

[54] **COMPOSITIONS CONTENANT DES ACIDES AMINES NON NATURELS ET DES POLYPEPTIDES, PROCEDES IMPLIQUANT CES ACIDES AMINES NON NATURELS ET POLYPEPTIDES, ET UTILISATIONS DESDITS ACIDES AMINES NON NATURELS ET POLYPEPTIDES**

[72] MIAO, ZHENWEI, US  
[72] LIU, JUNJIE, US  
[72] NORMAN, THEA, US  
[72] DRIVER, RUSSELL, US  
[71] AMBRX, INC., US  
[22] 2005-12-21  
[41] 2006-06-29  
[62] 2,927,595  
[30] US (60/639,195) 2004-12-22  
[30] US (60/638,527) 2004-12-22  
[30] US (60/638,418) 2004-12-22  
[30] US (60/696,068) 2005-07-01  
[30] US (60/696,302) 2005-07-01  
[30] US (60/696,210) 2005-07-01

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[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01) A61B 17/04 (2006.01) A61B 17/064 (2006.01) A61B 17/068 (2006.01)**

[25] EN

[54] **HEART VALVE REPAIR AND REPLACEMENT**

[54] **REPARATION ET REMPLACEMENT D'UNE VALVULE CARDIAQUE**

[72] ALON, DAVID, IL  
[71] ALON, DAVID, IL  
[22] 2014-06-03  
[41] 2014-12-11  
[62] 2,914,408  
[30] US (61/831632) 2013-06-06

[21] **3,006,103**  
[13] A1

[51] **Int.Cl. A61F 13/00 (2006.01) A61F 13/04 (2006.01) A61F 13/06 (2006.01) A61H 1/00 (2006.01) A61F 5/01 (2006.01)**

[25] EN

[54] **GRADUATED COMPRESSION DEVICE FOR THE TREATMENT OF CIRCULATORY DISORDERS**

[54] **DISPOSITIF DE COMPRESSION GRADUE DESTINE AU TRAITEMENT DE TROUBLES CIRCULATOIRES**

[72] RICHARDSON, THOMAS, US  
[72] LIPSHAW, MOSES A., US  
[71] CIRCAID MEDICAL PRODUCTS, INC., US  
[22] 2014-07-15  
[41] 2015-01-22  
[62] 2,917,894  
[30] US (13/943,937) 2013-07-17

[21] **3,006,133**  
[13] A1

[51] **Int.Cl. B41F 17/08 (2006.01) G01N 35/02 (2006.01) G06K 1/12 (2006.01) A61J 1/14 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR PRINTING ON AN OBJECT HAVING A CURVED SURFACE**

[54] **PROCEDE ET APPAREIL POUR IMPRIMER SUR UN OBJET AYANT UNE SURFACE INCURVEE**

[72] SILBERT, ROLF, US  
[72] ROSATI, ROBERT, US  
[72] BUSE, DAVID, US  
[72] TAMMER, OLEV, US  
[72] MERTEN, MATTHIAS, US  
[71] GEN-PROBE INCORPORATED, US  
[22] 2015-10-21  
[41] 2016-04-28  
[62] 2,964,930  
[30] US (62/066,468) 2014-10-21

[21] **3,006,137**  
[13] A1

[51] **Int.Cl. A61K 47/42 (2017.01) A61K 9/14 (2006.01) A61K 31/436 (2006.01) A61K 31/517 (2006.01) A61K 31/675 (2006.01) A61K 31/704 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **NANOPARICLE COMPRISING RAPAMYCIN AND ALBUMIN AS ANTICANCER AGENT**

[54] **NANOPARTICULE COMPRENANT DE LA RAPAMYCINE ET DE L'ALBUMINE UTILISEE COMME AGENT ANTICANCEREUX**

[72] DESAI, NEIL P., US  
[72] SOON-SHIONG, PATRICK, US  
[72] TRIEU, VUONG, US  
[71] ABRAXIS BIOSCIENCE, LLC., US  
[22] 2008-03-07  
[41] 2008-09-12  
[62] 2,680,207  
[30] US (60/905662) 2007-03-07

[21] **3,006,138**  
[13] A1

[51] **Int.Cl. B65G 69/34 (2006.01)**

[25] EN

[54] **MONITORING VEHICLE RESTRAINTS OVER A CONTINUOUS RANGE OF POSITIONS**

[54] **SURVEILLANCE DE LIMITES D'UN VEHICULE DANS UNE PLAGE CONTINUE DE POSITIONS**

[72] STONE, BRADLEY J., US  
[72] SENFLEBEN, JASON, US  
[72] MALY, PAUL J., US  
[71] RITE-HITE HOLDING CORPORATION, US  
[22] 2015-02-17  
[41] 2015-08-27  
[62] 2,882,251  
[30] US (14/192,581) 2014-02-27

**Demandes canadiennes apparentées par division et  
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,006,143**  
[13] A1

[51] **Int.Cl. A61K 31/222 (2006.01) A61K 9/00 (2006.01) A61K 31/05 (2006.01) A61K 31/12 (2006.01) A61P 17/00 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR TREATING DERMATOLOGICAL DISEASES AND CONDITIONS**

[54] **PROCEDES ET COMPOSITIONS UTILISES POUR TRAITER LES MALADIES ET LES AFFECTIONS DERMATOLOGIQUES**

[72] FULLER, BRYAN B., US

[71] THERAMETICS, LLC, US

[22] 2008-10-10

[41] 2009-04-16

[62] 2,866,527

[30] US (60/998,345) 2007-10-10

[30] US (61/126,478) 2008-05-05

[21] **3,006,150**  
[13] A1

[51] **Int.Cl. E21B 47/02 (2006.01) E21B 7/04 (2006.01) E21B 47/022 (2012.01) E21B 47/024 (2006.01)**

[25] EN

[54] **SELF-GUIDED GEOSTEERING ASSEMBLY AND METHOD FOR OPTIMIZING WELL PLACEMENT AND QUALITY**

[54] **ENSEMBLE GUIDAGE GEOLOGIQUE AUTOGUIDE ET PROCEDE PERMETTANT D'OPTIMISER LE POSITIONNEMENT ET LA QUALITE D'UN PUIS**

[72] MAY, MICHAEL, US

[72] DUSTERHOFT, RONALD GLEN, US

[72] TESORIERO, TOM, US

[71] LANDMARK GRAPHICS CORPORATION, US

[22] 2012-09-28

[41] 2014-04-03

[62] 2,886,327

[21] **3,006,171**  
[13] A1

[51] **Int.Cl. C10G 1/00 (2006.01) C10G 1/10 (2006.01) C10G 3/00 (2006.01) C10G 11/02 (2006.01) C10L 1/04 (2006.01) C10L 1/06 (2006.01) C10L 1/08 (2006.01) F02C 7/22 (2006.01)**

[25] EN

[54] **PROCESS AND APARATUS FOR PRODUCING HYDROCARBON FUELS**

[54] **PROCEDE ET APPAREIL POUR PRODUIRE DES COMBUSTIBLES HYDROCARBONES**

[72] OSTERLOH, JAMES D., US

[72] SPITZAUER, MICHAEL P., US

[71] GPI PATENT HOLDING LLC, US

[22] 2008-05-22

[41] 2009-10-29

[62] 2,759,696

[30] US (12/108,438) 2008-04-23

[21] **3,006,180**  
[13] A1

[51] **Int.Cl. E21B 25/00 (2006.01)**

[25] EN

[54] **CORE BARREL HOLDER AND METHODS OF USING SAME**

[54] **SUPPORT DE CAROTTIER ET SES PROCEDES D'UTILISATION**

[72] THELLEND, ROBERT H., CA

[71] LONGYEAR TM, INC., US

[22] 2012-11-01

[41] 2014-05-08

[62] 2,889,027

[21] **3,006,204**  
[13] A1

[51] **Int.Cl. A61B 5/153 (2006.01) A61B 5/15 (2006.01) A61M 5/32 (2006.01)**

[25] EN

[54] **SAFETY BLOOD COLLECTION ASSEMBLY WITH INDICATOR**

[54] **ASSEMBLAGE SECURISE DE COLLECTE DE SANG AVEC INDICATEUR**

[72] CRAWFORD, JAMIESON, US

[72] ELLIS, ROBERT, US

[72] WILKINSON, BRADLEY M., US

[72] BARTFIELD, BENJAMIN, US

[72] NEWBY, C. MARK, US

[72] TAN, CHEE LEONG ALVIN, SG

[72] MOH, JON, SG

[72] SIM, STANLEY, SG

[72] CHIA, NEVILLE, SG

[71] BECTON, DICKINSON AND COMPANY, US

[22] 2008-03-07

[41] 2008-09-12

[62] 2,812,981

[30] US (60/893,519) 2007-03-07

[30] US (60/941,870) 2007-06-04

[21] **3,006,206**  
[13] A1

[51] **Int.Cl. A01C 7/20 (2006.01) A01B 63/16 (2006.01) A01C 5/06 (2006.01)**

[25] EN

[54] **ROW UNIT OF AN AGRICULTURAL IMPLEMENT WITH MULTIPLE LOCATIONS FOR MOUNTING A GAUGE WHEEL**

[54] **RAYONNEUR D'UNE MACHINE AGRICOLE A EMBLACEMENTS MULTIPLES POUR LA FIXATION D'UNE ROUE DE JAUGE**

[72] ANDERSON, BRIAN J., US

[72] DIENST, JOHNATHON R., US

[71] CNH INDUSTRIAL AMERICA LLC, US

[22] 2013-09-04

[41] 2014-07-09

[62] 2,826,136

[30] US (13/737,562) 2013-01-09

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SUN PATENT TRUST	2,825,671	M ERICSSON (PUBL)	2,898,564	UNITED STATES OF	
SUN PATENT TRUST	2,826,418	TELLER, ERIC	2,911,509	AMERICA, AS	
SUN PATENT TRUST	2,838,575	TEMPLE UNIVERSITY OF THE		REPRESENTED BY THE	
SUN, HAI WEI	2,826,418	COMMONWEALTH		SECRETARY,	
SUPLIE, PASCAL	2,863,159	SYSTEM OF HIGHER		DEPARTMENT OF	
SURVITEC SAS	2,793,639	EDUCATION	2,767,860	HEALTH AND HUMAN	
SUTCLIFFE, JOYCE	2,799,727	TEMPLETON, WILLIAM P.	2,761,180	SERVICES	2,926,481
SUTTON, MARK J.	2,749,021	TENCENT TECHNOLOGY		THE HENRY M. JACKSON	
SUTTON, NATHAN L.	2,864,827	(SHENZHEN) COMPANY		FOUNDATION FOR THE	
SUZUKI, HIDEO	2,750,753	LIMITED	2,880,304	ADVANCEMENT OF	
SUZUKI, TSUKASA	2,817,964	TENCENT TECHNOLOGY		MILITARY MEDICINE,	
SVENSON, JULIAN MICHAEL	2,874,347	(SHENZHEN) COMPANY		INC.	2,926,481
SWANSON, EVAN	2,861,658	LIMITED	2,884,322	THE HILLMAN GROUP INC.	2,780,245
SWEDISH MATCH NORTH		TENG, CHING-CHUNG	2,936,457	THE LUBRIZOL	
EUROPE AB	2,814,883	TERADA, KENGO	2,826,418	CORPORATION	2,742,292
SWEDISH MATCH NORTH		TERADA, YOH	2,853,688	THE NIELSEN COMPANY	
EUROPE AB	2,814,887	TERADAIRA, SHIN	2,792,403	(US), LLC	2,875,286
SWENSON, MATTHEW	2,791,213	TERAI, KAZUHIRO	2,853,688	THE POWERWISE GROUP,	
SWENSON, RALF MAGNUS		TERAN MATUS, JOSE		INC.	2,808,589
WERNER	2,780,941	ADALBERTO	2,760,996	THE PROCTER & GAMBLE	
SWORD DIAGNOSTICS, INC.	2,751,756	TERASHITA, MASAKAZU	2,768,505	COMPANY	2,795,617
SYMBOL TECHNOLOGIES,		TEREX USA, LLC	2,785,363	THE PROCTER & GAMBLE	
LLC	2,967,025	TEREX USA, LLC	2,785,457	COMPANY	2,889,072
SYNAPTIVE MEDICAL		TEREX USA, LLC	2,785,551	THE REGENTS OF THE	
(BARBADOS) INC.	2,959,215	TEREX USA, LLC	2,785,554	UNIVERSITY OF	
SYNAPTIVE MEDICAL		TERRA TECHNOLOGIES, LLC	2,803,782	CALIFORNIA	2,698,343
(BARBADOS) INC.	2,975,404	TETRA LAVAL HOLDINGS &		THE SHERWIN-WILLIAMS	
SYNCRUDE CANADA LTD.	2,950,365	FINANCE S.A.	2,766,112	COMPANY	2,859,460
SYSTEM S.P.A.	2,813,129	TETRAPHASE		THE SURE CHILL COMPANY	
SZPAK, JAMES E.	2,859,460	PHARMACEUTICALS,		LIMITED	2,767,864
TAKAHASHI, TATSUHISA	2,810,706	INC.	2,799,727	THE UNITED STATES OF	
TAKAHASHI, TATSUYA	2,884,239	THALES	2,748,227	AMERICA AS	
TAKAICHI, TOMOKI	2,890,315	THALES	2,752,601	REPRESENTED BY THE	
TAKAISHI, MASANAO	2,827,631	THALES CANADA INC.	2,897,564	SECRETARY OF THE	
TAKARA BIO USA, INC.	2,934,533	THALES CANADA INC.	2,996,257	NAVY	2,769,996
TAKIUE, JUNYA	2,877,916	THE BOARD OF TRUSTEES OF		THE UNIVERSITY OF BRITISH	
TAM INTERNATIONAL, INC.	2,938,136	THE UNIVERSITY OF		COLUMBIA	2,851,231
TAMAKI, AKARI	2,880,946	ARKANSAS	2,567,350	THE VIKING CORPORATION	2,936,368
TAN, THIW KENG	2,877,916	THE BODYGYM		THERMO FISHER SCIENTIFIC	
TANAKA, JUNICHIRO	2,994,056	CORPORATION	2,732,818	(BREMEN) GMBH	2,858,457
TANDRA, RAHUL	2,918,837	THE BOEING COMPANY	2,637,422	THOMAS & BETTS	
TANG, PENG CHO	2,762,916	THE BOEING COMPANY	2,770,725	INTERNATIONAL, LLC	2,930,137
TANG, YILIN	2,846,125	THE BOEING COMPANY	2,855,085	THOMAS, BEX GEORGE	2,724,524
TANIKAWA, KYOKO	2,807,959	THE BOEING COMPANY	2,870,712	THOMAS, GLYNN	2,795,502
TANIKAWA, KYOKO	2,826,418	THE BOEING COMPANY	2,871,035	THOMAS, RONALD J., JR.	2,819,361
TANIKAWA, KYOKO	2,838,575	THE BOEING COMPANY	2,898,224	THOMPSON, KENT L.	2,849,906
TANIMURA, RYOJI	2,880,153	THE BOEING COMPANY	2,898,277	THOMPSON, M. CLARK	2,776,579
TANSLEY, IAN	2,767,864	THE BOEING COMPANY	2,898,543	THOMSON REUTERS GLOBAL	
TARRAGO, ARNAUD	2,822,417	THE COCA-COLA COMPANY	2,814,642	RESOURCES UNLIMITED	
TASKIRAN, CUNEYT M.	2,967,025	THE DALLAS GROUP OF		COMPANY	2,784,731
TATE, JOSEPH ANTHONY	2,976,557	AMERICA	2,715,246	THROSBY, MARK	2,881,717
TAURAND, CHRISTOPHE	2,748,227	THE FRANCIS CRICK		THURSTON, GAVIN	2,769,334
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TECHNOLOGIES HOLDINGS		CORPORATION	2,668,652	TIAN, BIN	2,918,837
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TECSYS, INC.	2,723,355	TORONTO	2,964,422	MARKUS	2,859,168
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M ERICSSON (PUBL)	2,746,852			INC.	2,932,835

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AGRIGENETICS, INC.	2,955,741	BIOSENSE WEBSTER (ISRAEL) LTD.	2,986,628	COVIDIEN LP	2,985,422
AGRIGENETICS, INC.	2,955,745	BIOSENSE WEBSTER (ISRAEL) LTD.	2,986,629	CWB GROUP - INDUSTRY SERVICES	2,999,427
AGRIGENETICS, INC.	2,955,843	BIOSENSE WEBSTER (ISRAEL) LTD.	2,986,641	D.M. ADVANTAGE, INC.	2,950,678
AGRIGENETICS, INC.	2,955,847	BLENDER PRODUCTS, INC.	2,986,782	DAHAN, MICHAEL	2,950,554
AGRIGENETICS, INC.	2,956,211	BLENDER PRODUCTS, INC.	2,986,847	DAIDO STEEL CO., LTD.	2,980,052
AGRIGENETICS, INC.	2,956,223	BLOUIN, ALAIN	2,950,163	DAIDO STEEL CO., LTD.	2,980,063
AIRBUS HELICOPTERS	2,983,318	BLOUIN, ALAIN	2,952,551	DANTZER, HUGH A.	2,950,477
AIRBUS HELICOPTERS DEUTSCHLAND GMBH	2,983,318	BOMBARDIER TRANSPORTATION GMBH	2,999,319	DAUGELA, DARCY	2,986,601
AIRBUS OPERATIONS, S.L.	2,986,851	BOUCHARD, CLAUDE	2,950,054	DAVIS, PAUL E.	2,987,501
ALBION, JEFF	2,978,742	BRADY, EAMON	2,986,623	DEDE, MEHMET	2,987,221
ALECU, DANIEL	2,976,549	BREEN, SCOTT M.	2,985,775	DEEMS, KEVIN	2,986,782
ALECU, DANIEL	2,976,550	BRELOKQ MD	2,950,360	DEEMS, KEVIN	2,986,847
ALLEAUME, VINCENT	2,987,087	BRIMLOW, NICHOLAS JAMES	2,984,355	DEVORNIQUE, ROGER	2,987,120
ALTMANN, ANDRES CLAUDIO	2,986,628	BROOKES, MARTY CHARLES	2,987,204	DIRTT ENVIRONMENTAL SOLUTIONS, LTD.	2,954,499
ALTMANN, ANDRES CLAUDIO	2,986,629	BROUILLETTE, ALEXANDRE	2,950,054	DOLIGEZ, BRIGITTE	2,986,725
ALTUMVIEW SYSTEMS INC.	2,986,860	BROWN, THOMAS	2,954,499	DORSTE, DAVID CHARLES	2,986,782
ALTUMVIEW SYSTEMS INC.	2,986,863	BRUNCKHORST, CHRISTIAN	2,984,355	DORSTE, DAVID CHARLES	2,986,847
ALVES, VINCE	2,954,035	CAE HEALTHCARE CANADA INC.	3,000,159	DOUCET, REAL	2,950,195
AMTROL LICENSING INC.	2,987,092	CALDERONE, JOSEPH ANTHONY	2,986,857	DOUCET, REAL	2,987,181
ANAND RAJU, ADDISON	2,987,101	CAMPBELL, IAN	2,999,427	DOUGHERTY, MICHAEL P.	2,982,004
ANDRITZ AG	2,987,123	CANADIAN INNOVATIVE COATINGS LTD.	2,987,624	DOUGLAS, TROY ALEXANDER FINDLAY	2,975,463
ANTHONY, INC.	2,983,709	CANADIAN NATURAL RESOURCES LIMITED	2,950,195	DRESSER, INC.	2,985,757
ARAVA, SHIVAPRASAD	2,986,963	CANADIAN NATURAL RESOURCES LIMITED	2,987,181	DRESSER, INC.	2,985,759
ARKESAU, VIKTAR	2,954,296	CAPITAL ONE SERVICES, LLC	2,986,858	DRISCOLL, CHRISTOPHER	3,000,159
ARSAVA, KEMAL S.	2,986,963	CAPITAL ONE SERVICES, LLC	2,986,990	DUGE, ROBERT T.	2,978,292
ARTWOHL, PAUL J.	2,983,709	CARPIN MANUFACTURING, INC.	2,971,456	DUONG, HIEN	2,975,690
ASHER, MATTHEW	2,987,096	CARPINELLA, RALPH	2,971,456	DURAND, ISABELLE	2,986,733
ASSETWORKS LLC	2,987,346	CASEY, BRENDAN	2,986,623	DUVAL, MAURICE	2,986,867
ATS AUTOMATED TOOLING SYSTEMS INC.	2,986,983	CHAN, KWOK TUNG, JR.	2,979,790	E-Z DOCK, INC.	2,982,566
AYAMBEM, AMBA	2,986,876	CHAN, KWOK TUNG, JR.	2,979,862	EBERSPACH, GUNTER	2,985,767
BAGNALL, ALEXANDER M.	2,949,897	CHAN, PAUL MON-WAH	2,950,530	EBERSPACHER CLIMATE CONTROL SYSTEMS GMBH & CO. KG	2,985,767
BAILEY METAL PRODUCTS LIMITED	2,950,255	CHARNENKA, DZMITRY	2,954,296	EL HADDAD, JOSETTE	2,950,163
BAILEY, SIMON	2,950,554	CHEN, MINGHUA	2,986,860	EL HADDAD, JOSETTE	2,952,551
BAKER HUGHES, A GE COMPANY, LLC	2,987,185			EL-DOMIATY, KHALED	2,950,477
BALL, DAVID JAMES	2,950,506			EPPE, KLAUS-PETER	2,985,536
BARBIER, MICKAEL	2,986,725			ETHICON, INC.	2,986,632
BARNES, SHARON ANN IRMA	2,987,204			FAULKNER, DOUG	2,987,624
BATTISTUZZI, MAURIZIO	2,982,914			FENWAL, INC.	2,987,101
				FENWICK, JOHN	2,998,945

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FIA, ROBERTO	2,982,914	HUGGINS, MARK	2,987,096	MASON, CHRISTOPHER	2,950,712
FISHBURN, BRAD ROY	2,987,528	HUGGINS, MARK	2,987,104	MASON, CHRISTOPHER	2,950,716
FLAMAND, JEAN-SEBASTIEN	3,000,159	HUNTER DOUGLAS		MATHEWS, ROGER	2,987,136
FLUID ENERGY GROUP LTD.	2,950,370	INDUSTRIES B.V.	2,987,509	MAYER, RAM BERNARD	2,986,628
FOWLER, ROBERT ERLING	2,985,757	IFP ENERGIES NOUVELLES	2,986,725	MAYER, RAM BERNARD	2,986,629
FRANSSEN, ROBERT	2,987,509	IFP ENERGIES NOUVELLES	2,986,733	MCAFFEE, ZACHARY JOHN	2,986,857
FREE-FREE INDUSTRIAL		IMEL, DUSTIN	2,982,566	MCARDLE, KEVIN	2,986,623
CORP.	2,964,529	INFINITY RETRACTABLE		MCHARDY, IAN	2,978,742
FRUITET, PIERRE	2,983,318	SCREENS PTY LTD.	2,987,228	MCNABB, WILLIAM	2,987,080
FUENTES, KARLA M.	2,979,472	INFINITY RETRACTABLE		MCNABB, WILLIAM	2,987,104
GAGNON, BERNARD	2,986,867	SCREENS PTY LTD.	2,987,230	MCSWEYN, CHRISTOPHER	
GARCIA, BRUNO	2,986,733	INFLIGHT INVESTMENTS		MICHAEL	2,954,035
GARNER, WILLIAM		INC.	2,986,993	MENHEERE, DAVID	2,976,549
NICHOLAS	2,950,195	INGENICO GROUP	2,987,120	MENHEERE, DAVID	2,976,550
GARNER, WILLIAM		INNOTECH ALBERTA INC.	2,986,601	MESTEMACHER, FRANK	
NICHOLAS	2,987,181	INNOTECH ALBERTA INC.	2,987,199	CHARLES	2,979,790
GARVER, THEODORE MEYER	2,986,601	IZUMI, KOHKI	2,980,052	MESTEMACHER, FRANK	
GARVER, THEODORE MEYER	2,987,199	IZUMI, KOHKI	2,980,063	CHARLES	2,979,862
GE LIGHTING SOLUTIONS,		JAN, LINDA	2,986,539	MICHAUD, GUY	2,950,096
LLC	2,985,758	JANOSKI, RONALD J.	2,986,856	MILLHOUSE, ANDREW B.	2,966,148
GENERAL ELECTRIC		JENSEN, HANS	2,985,767	MIN, KYUNGYOON	2,987,101
COMPANY	2,987,221	JEONG, YONG WOOK	2,978,742	MITEK HOLDINGS, INC.	2,950,712
GENERAL MILLS, INC.	2,979,472	JOE, GARDNER	2,950,195	MITEK HOLDINGS, INC.	2,950,716
GILVARRY, MICHAEL	2,986,623	JOE, GARDNER	2,987,181	MOLOHON, LARRY D.	2,982,566
GIRARDEAU, TOM	2,986,876	JONES, RICH	2,978,742	MORIKAWA, DAVID TARO	2,986,983
GLEASON, STEPHEN	2,987,622	JOUSSELIN, FABRICE	2,983,318	MOSS, IAN T.	2,950,368
GLINER, VADIM	2,986,628	KALEPU, HARI NAGA	2,985,422	MROZ, MICHAL	2,983,318
GLINER, VADIM	2,986,629	KAMPF, CHRISTOPHER	2,987,092	MUDERS, ERWIN	2,985,536
GLINER, VADIM	2,986,641	KAR AUCTION SERVICES,		MURAD, URI	2,963,647
GODIN, JACQUES	2,950,054	INC.	2,950,633	MURE ET PEYROT	2,986,864
GOLDWITZ, BRIAN	2,986,865	KEANE, ALAN	2,986,623	NAHACHEWSKY, THOMAS	2,987,624
GOLDWITZ, BRIAN	2,987,112	KELLY, STEPHEN	2,987,204	NARITA, SHUJI	2,980,052
GOLDWITZ, BRIAN	2,987,116	KESHAVAN, HRISHIKESH	2,987,221	NARITA, SHUJI	2,980,063
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GOSLING, GEOFF W.	2,954,499	KITAGAWA, HIROKAZU	2,986,396	NATIONAL RESEARCH	
GOVARI, ASSAF	2,986,641	KNIGHT, MARC	2,987,346	COUNCIL CANADA	2,952,551
GREASON, KARI	2,955,741	KOBAYASHI, NOBUFUSA	2,984,972	NATIONAL RESEARCH	
GREASON, KARI	2,956,211	KRISHEVSKI, AHARON	2,967,483	COUNCIL OF CANADA	2,950,508
GREASON, KARI	2,956,223	KRUPNIK, JOHN	2,950,633	NEURAVI LIMITED	2,986,623
GRIEP, JULIE	2,987,101	KULKARNI, AMBARISH	2,987,221	NEXBA IP PTY LTD	2,975,463
GRUPPO CIMBALI S.P.A.	2,987,588	KUMAZAKI, KENTA	2,984,972	NG, HIM WAI	2,986,860
GRUPPO CIMBALI S.P.A.	2,987,593	LAN, CHAOLONG	2,987,130	NG, HIM WAI	2,986,863
GRUPPO CIMBALI S.P.A.	2,987,605	LANGENFELD, ROBERTA M.	2,979,472	NINGBO BIYI ELECTRIC	
HANSONSMITH, RILEY	2,979,862	LAROCHE, ROCH	2,986,867	APPLIANCE CO., LTD	2,963,647
HARDER, ZACHARY	2,979,472	LARSON, BRUCE D.	2,979,472	NOCHOLSON, JEFFERY W.	2,983,709
HARDIMAN, DAVID	2,986,623	LE RAVALEC, MICKAELE	2,986,725	O'GORMAN, JACQUELINE	2,986,623
HARHIRA, AISSA	2,950,163	LEE, CHUL WON	2,978,742	OCEGUEDA GALLAGA,	
HARHIRA, AISSA	2,952,551	LEE, JOHN JONG SUK	2,950,530	VICTOR HUGO	2,987,130
HARTMANN, JOHN	2,979,790	LEON CARRERA, MARIA		OEHRING, JARED	2,987,665
HARTMANN, JOHN	2,979,862	FERNANDA	2,986,725	OMIDBAKSH, NAVID	2,986,632
HAYES, MARK F.	2,955,847	LES PRODUITS SUNFORCE		OOO "STIM"	2,954,296
HEINZLMEIR, DANNY M.	2,950,258	INC.	2,950,554	ORBAN, ALEXANDER	2,985,536
HENDERSHOT, JEFF	2,950,633	LIANG, JIE	2,986,860	ORTNER, MATTHEW	2,954,721
HENRY COMPANY, LLC	2,986,876	LIANG, JIE	2,986,863	OSMANSKI, RICHARD	2,950,712
HILLIARD, ADAM	2,950,633	LIU, SHENG-YU	2,964,529	OSMANSKI, RICHARD	2,950,716
HINDERLITER, BRANDON N.	2,987,665	LONGMIRE, ANDREW J.	2,959,823	PACK, CHRISTOPHER DAVID	2,987,199
HO, ERIC	2,973,442	LUKEZIC, DAVID	2,984,347	PAINE, RANDALL B.	2,950,195
HOHMANN, RONALD P., JR.	2,950,712	LUO, TAO	2,987,087	PAINE, RANDALL B.	2,987,181
HOHMANN, RONALD P., JR.	2,950,716	MAIER, DEAN R.	2,959,823	PAVAGEAU, STEPHANE	2,987,120
HOLIAN, MAEVE	2,986,623	MALLACI, GIUSEPPE	3,000,159	PAVOL, JEFFREY MARK	2,986,782
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PEYROT, JEAN-CLAUDE	2,986,864	AMERICAN		THE TORONTO-DOMINION	
PLEASANTS, PARKE	2,987,080	TECHNOLOGIES, INC.	2,982,965	BANK	2,950,530
POLYGROUP MACAU		ROSENZWEIG, LARRY	2,987,221	THIESSEN, LONNY J.	2,987,355
LIMITED (BVI)	2,987,130	ROSS, JERRY D.	2,980,021	THOMPSON, ANN	2,950,116
PONTOON BOAT, LLC	2,987,528	ROSS, STEPHEN C.	2,980,021	THOMSON LICENSING	2,987,087
PPC BROADBAND, INC.	2,987,136	ROUCHON, VIRGILE	2,986,733	TIPLER, RAYMOND L.	2,950,222
PRADHAN, SIVARAM	2,987,185	RUNDO, JOHN	2,986,856	TOMCHICK, SCOTT CHARLES	2,979,790
PRATT & WHITNEY CANADA		RUNDO, MARK	2,986,856	TOMCHICK, SCOTT CHARLES	2,979,862
CORP.	2,973,442	RUSSELL, DONALD C.	2,949,862	TONG, JOY	2,950,503
PRATT & WHITNEY CANADA		SABSABI, MOHAMAD	2,950,163	TOVAR, EDUARDO A.	2,995,976
CORP.	2,975,690	SABSABI, MOHAMAD	2,952,551	TOYOTA JIDOSHA	
PRATT & WHITNEY CANADA		SALOMON, ALEXANDRA	2,987,101	KABUSHIKI KAISHA	2,984,972
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PRATT & WHITNEY CANADA		SANDNES, MARK	2,983,709	KABUSHIKI KAISHA	2,986,396
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PREUS, MICHAEL	2,987,080	SCHULTZE, DENNIS	2,955,745	INC.	2,987,204
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PRICE, ALEX KENDALL	2,985,758	SEZER, HAYRI	2,986,963	TTI (MACAO COMMERCIAL	
PRITCHARD, BYRON	2,987,221	SHAH, JALPA KAUSHIL	2,987,231	OFFSHORE) LIMITED	2,987,088
PURDY, CLAY	2,950,370	SHAMMAI, HOUMAN		TTI (MACAO COMMERCIAL	
PYPER, JOEL T.	2,985,775	MICHAEL	2,987,185	OFFSHORE) LIMITED	2,987,096
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RANGWALA, ALI S.	2,986,963	MADDUR	2,985,422	UETA, SHIGEKI	2,980,052
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RD SCAN HOLDINGS INC.	2,950,368	SIENICKI, ROBERT	2,983,318	ULM, DIETMAR	2,987,123
RED-WHITE VALVE CORP.	2,987,174	SINGHI, ABHISHEK	2,978,742	URICH, KRISTI	2,987,204
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DOUGLAS	2,985,759	SIVARAMAKRISHNAN,		A.	2,987,092
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ANGEL	2,986,851	SULZER MANAGEMENT AG	2,984,347	WANG, XING	2,986,860
RODD, AARON	2,987,228	SUTHAR, OM J.	2,986,858	WANG, XING	2,986,863
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TECHNOLOGIES INC.	2,978,292	THAYYULLATHIL, JEMSHEER	2,954,721	WILLIAM MARSH RICE	
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TECHNOLOGIES, INC.	2,982,004	THE BOEING COMPANY	2,984,355	WOLF, MICHELE K.	2,979,472

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YAMASHITA, KENTA	2,980,063
YANG, CHENG-CHUAN	2,950,254
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COMPANY	3,005,850	AHTCHI-ALI, BADREDDINE	3,005,606	SWITZERLAND AG	3,005,564
3M INNOVATIVE PROPERTIES		AITKEN, MICHAEL	3,005,673	ANTI-KOR BIOPHARMA	
COMPANY	3,005,851	AKAISHI, MINORU	3,005,720	LIMITED	2,999,384
3M INNOVATIVE PROPERTIES		AKHMADI EKO, WARDOYO	3,005,720	ANTUNES, RAFAEL	3,005,806
COMPANY	3,005,870	AL-HAJ ALI, MOHAMMAD	3,005,935	APPLIED LIFESCIENCES AND	
3M INNOVATIVE PROPERTIES		AL-HAJ ALI, MOHAMMAD	3,005,940	SYSTEMS, LLC	3,005,331
COMPANY	3,006,038	ALBERT, ADRIAN	3,005,942	APPLIED LIFESCIENCES AND	
4D PHARMA RESEARCH		ALBERT, VICTOR V.	3,004,750	SYSTEMS, LLC	3,005,337
LIMITED	3,005,781	ALBUMEDIX LTD	3,005,953	APPLIED MEDICAL	
4D PHARMA RESEARCH		ALIMENTARY HEALTH		RESOURCES	
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@HAEALTH	3,005,277	ALLAIN, LEONARDO R.	3,006,192	APTE, ZACHARY	3,005,963
AAI CORPORATION	3,006,075	ALLAWAY, DAVID	3,005,956	APTE, ZACHARY	3,005,985
ABBATE, LUIGI	3,005,799	ALLEN, WILLIAM J.	3,006,068	APTE, ZACHARY	3,005,987
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ABE, MOTOHARU	3,005,814	ALLERT, MALIN J.	3,005,890	APTE, ZACHARY	3,006,057
ABELS, RENE	3,005,676	ALLERT, MALIN J.	3,005,892	APTE, ZACHARY	3,006,059
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ABRAMS, EZRA S.	3,005,895	ALMONACID, DANIEL	3,005,985	EDWIN	2,993,241
ACADEMISCH ZIEKENHUIS		ALMONACID, DANIEL	3,005,987	ARDEA BIOSCIENCES, INC.	3,006,167
LEIDEN	3,006,175	ALMONACID, DANIEL	3,006,036	ARENA PHARMACEUTICALS,	
ACADEMISCH ZIEKENHUIS		ALMONACID, DANIEL	3,006,044	INC.	3,002,525
LEIDEN A/U LEIDEN		ALMONACID, DANIEL	3,006,057	ARENA PHARMACEUTICALS,	
UNIVERSITY MEDICAL		ALMONACID, DANIEL	3,006,059	INC.	3,002,544
CENTER	3,005,666	ALPHA BIOPESTICIDES		ARENA PHARMACEUTICALS,	
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CHIEN, CHING-KEE	3,005,836	CONSTANCE THERAPEUTICS, INC.	3,006,182	D'ARCY, SHONA	3,005,662
CHIESI FARMACEUTICI S.P.A.	3,005,290	CONVERGENE LLC	3,006,300	D'ARCY, SHONA	3,005,690
CHIESI FARMACEUTICI S.P.A.	3,005,291	COOBX AG	3,006,213	D. WESTERN THERAPEUTICS INSTITUTE, INC.	3,005,714
CHIGANCAS, VANESA	3,006,168	COOK, ANDREW SIMON	3,002,801	DAETWYLER SWISSTEC AG	3,005,691
CHITTATTUKARA, SHOY GEORGE	3,005,708	COOK, DAVID	3,006,187	DAGAN, DANIEL	3,005,712
CHIYODA CORPORATION	3,005,951	COOK, PATRICK	3,005,868	DALERBA, PIERO D.	3,005,911
CHIYODA CORPORATION	3,005,958	COPLAND, RICHARD J.	3,005,955	DALLEMAGNE, PHILIPPE	3,005,668
CHOI, HYO JUNG	3,006,242	CORDOVA, ARMANDO	3,005,670	DAN RAZ LTD.	3,006,022
CHOI, HYO JUNG	3,006,247	CORNING OPTICAL COMMUNICATIONS LLC	3,005,718	DANA-FARBER CANCER INSTITUTE, INC.	3,005,910
CHOI, HYO JUNG	3,006,249	CORNING OPTICAL		DANDAWATE, MONICA RAJENDRA	3,005,708
CHOI, JIN WOO	2,996,494	CORNING OPTICAL COMMUNICATIONS LLC	3,005,838	DANIEL, ANDREAS	3,005,938
CHOPIN, FRANCK J.	3,006,080	CORNING OPTICAL COMMUNICATIONS LLC	3,006,273	DANIMER BIOPLASTICS, INC.	3,005,734
CHOUDHARY, YOGESH KUMAR	3,005,962	CORRENTI, COLIN E.	3,005,928	DARANGA, CODRIN	3,005,330
CHRISTEN, LUKAS	3,006,023	CORTHALS, STEVEN	3,005,613	DAROLLES, ISABELLE M.	3,005,768
CHRISTIANSON, MARK	3,005,908	COSMO-CONNECTED	3,006,142	DARRE, BJARNE	3,005,762
CHU, JIANYING	3,005,717	COSTELLA, STEPHEN	3,005,796	DAUBER, THOMAS W.	3,005,706
CHUGAI SEIYAKU KABUSHIKI KAISHA	3,005,592	COULON, DAVID	3,005,277	DAVID, CHENGLU	3,006,264
CHUN, BYONG-WA	3,005,553	COUMANS, RUDY GERARDUS ELISABETH	3,005,294	DAVIDIAN, THOMAS	3,005,613
CHUN, JONG YOON	3,005,600	COURGNAUD, VALERIE	3,005,669	DAVIS, MARK	3,005,903
CHUNG, CHUL-WOONG	3,006,242	COURTER, JOEL	3,006,000	DAVIS, MICHAEL F.	3,005,788
CHUNG, CHUL-WOONG	3,006,247	COUSLEY, MICHAEL	3,005,970	DAVIS, RANDALL W.	3,006,233
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CLAUSEN, LYDIA DAHL	3,006,271			DELANEY, COLLEEN	3,005,767
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				DELCAMP, ADRIEN	3,005,575

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DEONARAIN, MAHENDRA		CO. KG.	3,006,230	ESAB AB	3,005,573
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DORBEC, MATTHIEU	3,005,699	ELGAT, ZVI	3,006,011	FAN, YI	3,005,658
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DOW AGROSCIENCES LLC	3,005,743	ELKA SUSPENSION INC.	3,006,174	FARCHY, DAVID	3,005,934
DOW AGROSCIENCES LLC	3,005,744	ELLINGER, PHILIPP	3,005,795	FARIS, ADAM	3,005,693
DOW AGROSCIENCES LLC	3,005,862	ELLIOTT, FRANKLIN	3,006,083	FARQUHAR, JAMES J.	3,005,208
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HAGEN, TORSTEN	3,005,676	HAUPLER, BERNHARD	3,005,643	HORLING, FRANZISKA	3,005,565
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HALLIBURTON ENERGY SERVICES, INC.	3,005,717	HEBERT, LARRY S.	3,006,038	HU, HUIYONG	3,005,551
HALLIBURTON ENERGY SERVICES, INC.	3,005,854	HEBERT, LISE	3,005,754	HU, HUIYONG	3,005,674
HALLIBURTON ENERGY SERVICES, INC.	3,005,858	HEGGERNES, DAVE	3,005,970	HU, XIAOPING	3,005,660
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YURIYOYVCH	3,006,286	MARTIN PEREZ, ALBERTO	3,005,635	MEIMA, GARMT R.	3,005,613
LYVGEN BIOPHARMA		MARTIN, BENJAMIN	3,006,254	MEINHOLD, PETER	3,005,562
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M. STOLZE HOLDING B.V.	3,005,952	MARUNO, SHINICHI	3,005,814	MEMORIAL SLOAN	
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MA, YOU-AN	3,002,551	MASSACHUSETTS EYE AND		CENTER	3,005,896
MAASOUMY, MEHDI	3,005,942	EAR INFIRMARY	3,005,874	MEMORIAL SLOAN-	
MABRY, JOSHUA N.	3,006,233	MASSACHUSETTS INSTITUTE		KETTERING CANCER	
MACCOSS, MALCOLM	3,005,809	OF TECHNOLOGY	3,005,878	CENTER	3,005,966
MACDONALD, JOHN GAVIN	3,005,607	MASSEY UNIVERSITY	3,005,620	MENDEZ, JOSE RAUL	3,005,903
MADALA, MADHAVA REDDY	3,005,779	MASTERCARD		MENTZEL, UFFE VIE	3,006,031
MADDURI, ASHOKA V.R.	3,005,621	INTERNATIONAL		MERCK PATENT GMBH	3,005,483
MADRIZ OTTOLINA,		INCORPORATED	3,005,959	MERCK PATENT GMBH	3,005,764
RODRIGO DARIO	3,005,678	MATHEW, SUNIL I.	3,005,913	MERCK PATENT GMBH	3,005,766
MAGALDI POWER S.P.A.	2,992,411	MATHIVANAN, GUHAN	3,005,935	MERCK SHARP & DOHME	
MAGALDI, MARIO	2,992,411	MATHIVANAN, GUHAN	3,005,940	CORP.	3,006,192
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MAGIC LEAP, INC.	3,005,894	MATSUO, TOSHIHIKO	3,005,720	MERLIN, SIMONE	3,006,019
MAGNIN, PAUL	3,005,790	MATTES, MICHAEL F.	3,005,950	MERLINI, MASSIMO	3,005,967
MAHAR, STEPHEN NELSON	3,005,869	MATTES, MICHAEL F.	3,005,954	MERTZ, JOSHUA	3,006,319
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MITSUBISHI MATERIALS CORPORATION	3,005,720	NAGATA, TATSUYA	3,005,812	NOHMS TECHNOLOGIES, INC.	3,005,799
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MONSANTO TECHNOLOGY LLC	3,006,080	NATH, LYUNNI VENKATA SESHA SAYI	3,005,864	NOVARTIS AG	3,005,798
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MONTEL, FLORIAN	3,006,189	NAVIDEA BIOPHARMACEUTICALS, INC.	3,006,054	NOVARTIS AG	3,006,032
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R. J. REYNOLDS TOBACCO		REUTHER, GARY E.	3,006,062	RUITENBEEK, MATTHIJS	3,005,613
COMPANY	3,005,788	REYES, JOSE N., JR.	3,006,317	RUNYON, SCOTT P.	3,006,205
R.A.W. S.R.L.	3,005,705	REYNARD, FREDERIC	3,006,078	RUSTIONI, MIRKO	3,005,675
RAAB, SABINE	3,005,764	REYNOLDS, JAMES	3,006,308	RYAN, SARAH	3,005,738
RACZ, PIERRE	3,005,479	RHODES, ALAN	3,006,161	RYAN, SARAH	3,005,743
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RAKUS, PAUL R.	3,005,624	RICHMAN, JESSICA	3,005,985	D/B/A SAPPI NORTH	
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UBIOME, INC.	3,006,057			VITAE PHARMACEUTICALS, INC.	3,005,658
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MAY, MICHAEL	3,006,150	SALIX PHARMACEUTICALS,		VIIV HEALTHCARE	
MCCROSKEY, WILLIAM W.	3,005,016	INC.	3,004,028	COMPANY	3,003,988
MCDOWELL, JAMES KERWIN	3,005,530	SALMON, SARAH A.	3,005,608	VORA, SHAUNAK	3,005,608
MEDIRATTA, SANGITA	3,005,608	SANDBOX LOGISTICS, LLC.	3,004,327	WAGNER, WILLIAM D.	3,004,987
MEI, LIN	3,004,333	SANDER, ELIZABETH J.	3,005,230	WAKE FOREST UNIVERSITY	
MERTEN, MATTHIAS	3,006,133	SAUDI ARABIAN OIL		HEALTH SCIENCES	3,004,987
MIAO, ZHENWEI	3,005,835	COMPANY	3,005,388	WALLACE, JEFFREY D.	3,002,927
MOH, JON	3,006,204	SCHATZ, KURT	3,005,383	WALTER, HARALD	3,003,083
MOHR, KAORI	3,005,608	SCHLOEMER, JAMES F.	3,005,016	WANG, LINHUA	3,004,565
MORYKWA, MICHAEL J.	3,004,987	SCHUMACHER, MARK E.	3,005,016	WARNER, BENJAMIN	2,980,453
MUELLER, THOMAS	3,002,945	SENFLEBEN, JASON	3,006,138	WEBBER, WINSTON JAMES	3,005,540
MULLER, MATHIAS	3,004,835	SHETH, RITESH BHARAT	3,004,565	WEGGE, THOMAS	3,004,716
MURAKAMI, KATSUYA	3,005,780	SHOWMAN, RALPH E.	3,005,549	WEITZMAN, AARON	3,002,945
MURPHY, BRIAN R.	3,004,991	SIEFRING, VERNON W.	3,005,016	WELLMAN, TIMOTHY A.	3,004,234
MWANGI, DUNCAN	3,005,608	SILBERT, ROLF	3,006,133	WELLMAN, TIMOTHY A.	3,004,236
NAGASHIMA, TOSHIAKI	3,005,780	SIM, STANLEY	3,006,204	WELLMAN, TIMOTHY A.	3,005,016
NATU, PARAG	3,005,199	SLAY, JEREMY BUC	3,005,540	WESTFALL, LON A.	3,002,927
NAYAK, NIRAJ V.	3,002,927	SLAYNE, ANDREW	3,005,199	WHITEHEAD, STEPHEN S.	3,004,991
NCHAIN HOLDINGS LIMITED	3,004,250	SMITH, DAVID GEORGE		WIESMANN, WILLIAM P.	3,004,707
NEWBY, C. MARK	3,006,204	EMSLIE	3,005,608	WILKINSON, BRADLEY M.	3,006,204
NEWPARK MATS &		SOON-SHIONG, PATRICK	3,006,137	WILLIAMSON, ALASDAIR	
INTEGRATED SERVICES		SPITZAUER, MICHAEL P.	3,006,171	JAMES	3,004,668
LLC	3,005,530	SPROGOE, KENNETT	3,004,716	WILMAC, INC. DBA BORETEC	
NICOVENTURES HOLDINGS		ST-JEAN, FREDRIC	3,005,103	EQUIPMENT	2,980,702
LIMITED	2,998,037	ST-JEAN, FREDRIC	3,005,112	WILMES, LAUREN	3,005,608
NORMAN, THEA	3,005,835	ST-JEAN, FREDRIC	3,005,118	WINNER, DEAN E.	3,004,234
O'NEILL, AUSTIN	3,005,383	STEELCASE INC.	3,004,560	WINNER, DEAN E.	3,004,236
OKINO, AYATOMO	3,005,780	STEIGERWALD, ROBERT L.	3,005,188	WISTA LABORATORIES LTD.	3,004,822
ONG, MILAGRINO JOSE C.	3,004,250	STONE, BRADLEY J.	3,006,138	WONG, MARGARET	3,003,213
ORPHAZYME APS	3,004,867	SYNEDGEN INC.	3,004,707	WRAITH, DAVID	3,005,013
OSTERLOH, JAMES D.	3,006,171	SYNGENTA PARTICIPATIONS		WRIGHT MEDICAL	
OTICO	2,979,170	AG	3,003,083	TECHNOLOGY, INC.	3,005,230
PANDE, PRAVEEN	3,004,831	SYNGENTA PARTICIPATIONS		XIANG, YUEJUN	3,004,831
PANG, FEI	3,003,213	AG	3,004,565	XIONG, WEN-CHENG	3,004,333
PARENT, HENRY FRANCOIS	3,003,975	TAMMER, OLEV	3,006,133	YAMADA, YUSUKE	3,005,780
PARK, SUNG-IK	3,004,578	TAN, CHEE LEONG ALVIN	3,006,204	ZAHRAWI, FAISSAL	3,003,975
PATTON, WAYNE FORREST	3,004,831	TAZAWA, FUMIO	3,005,780	ZHANG, BIN	3,004,333
PERRIN, PHILIPPE	3,003,062	TESORIERO, TOM	3,006,150	ZOETIS SERVICES LLC	3,005,608
PETERSON, GORDON J.	3,004,560	THALES DEUTSCHLAND			
PEUTERT, CHANCE	3,002,407	GMBH	3,004,835		
PIOU, DENIS	2,979,170				
PLITEQ INC.	3,005,384				
PLOURDE, MARC R.	3,005,383				
QUALCOMM INCORPORATED	3,005,797				
QUINN, MICHAEL	3,005,126				
RABBANI, ELAZAR	3,004,831				