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# The Patent

Office Record

# La Gazette

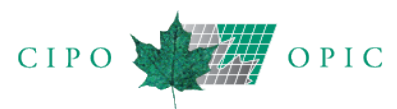
du Bureau des brevets



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# THE CANADIAN PATENT OFFICE RECORD

## LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle  
Commissioner of Patents

Johanne Bélisle  
Commissaire aux brevets

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

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

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

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:

None

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

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

## 6. Octroi de licences en vertu des brevets

### Licences librement accordées

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

### Licences obligatoires

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

## 7. Brevets disponibles pour licence ou vente

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

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

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

Aucun

## 9. Applications Open to Public Inspection

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

## 10. Language of Published Documents

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

## 11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After January 1, 2017

|                                   |         |
|-----------------------------------|---------|
| 1. Transmittal Fee (Rule 14)      | \$300   |
| 2. International Filing Fee       | \$1792* |
| For each additional sheet over 30 | \$20    |
| 3. International Search Fee       | \$1600  |

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

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

## 9. Demandes mises à la disponibilité du public

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

## 10. Langue du document publié

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

## 11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 1 janvier 2017

|                                     |          |
|-------------------------------------|----------|
| 1. Taxe de transmission (Règle 14)  | 300 \$   |
| 2. Taxe de dépôt internationale     | 1792 \$* |
| Pour chaque feuille au delà de 30   | 20 \$    |
| 3. Taxe de recherche internationale | 1600 \$  |

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

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

## Notices

### 4. Late payment fee

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

### 4. Taxe pour paiement tardif

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

### Preliminary Examination

5. Handling fee (Rule 57.2(a)) \$269

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

### Examen préliminaire

5. Taxe de traitement (Règle 57.2a) 269 \$

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

\* International fees will be reduced by:

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

\* Les frais seront réduits de:

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

## 12. 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)).

## 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

#### STATUTORY HOLIDAYS (*DIES NON*)

**Note:** *This practice notice is intended to provide guidance on current Canadian Intellectual Property Office (CIPO) 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.*

#### **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, Québec; an Industry Canada regional office; or a Registered Mail establishment) 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, Québec.

Operationally, 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 they are properly entitled to any needed extension of the time limit.

#### **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 trade-mark time limit that expires on a day when the Patent and Trade-marks 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, Copyright or Integrated Circuit Topography Acts*.

### 13. Énoncé de pratique

#### JOURS FÉRIÉS (*DIES NON*)

**Nota :** *Le présent avis a pour objet de fournir une orientation pour les pratiques et l'interprétation à l'Office de la propriété intellectuelle du Canada (OPIC) touchant les lois pertinentes. Toutefois, en cas d'incohérence entre cet avis et la loi applicable, il faut se reporter à la loi.*

#### **Délais prévus dans les lois régissant 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'Industrie Canada ou un établissement de Courrier recommandé) 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 un télécopieur, seraient 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. En conséquence, 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.

#### **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 du genre dans la *Loi sur les dessins industriels*, la *Loi sur le droit d'auteur* ou la *Loi sur les topographies de circuits intégrés*.

## Notices

### 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:

on which such Office or organization is not open to the public for the purposes of the transaction of official business;  
on which ordinary mail is not delivered in the locality in which such Office or organization is situated;  
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  
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 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.

### 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:

### 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 :

où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;  
où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;  
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  
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 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.

### Jours fériés provinciaux ou territoriaux

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

## Avis

- 1) **Alberta:** 3rd Monday in February (Alberta Family Day)
  - 2) **British Columbia:** 1st Monday in August (British Columbia Day)
  - 3) **New Brunswick:** 1st Monday in August (New Brunswick Day)
  - 4) **Nova Scotia:** 1st Monday in August (Civic Holiday)
  - 5) **Ontario:** 3rd Monday in February (Ontario Family Day) 1st Monday in August (Civic Holiday)
  - 6) **Quebec:** June 24 (St. John the Baptist Day)
  - 7) **Saskatchewan:** 1st Monday in August (Saskatchewan Day)
  - 8) **Yukon:** 3rd Monday in August (Discovery Day) When Patent and Trade-marks Offices are closed for business
- 1) **Alberta :** 3e lundi de février (Jour de la Famille de l'Alberta)
  - 2) **Colombie-Britannique :** 1er lundi d'août (Fête de la Colombie-Britannique)
  - 3) **Nouveau-Brunswick :** 1er lundi d'août (Fête du Nouveau-Brunswick)
  - 4) **Nouvelle-Écosse :** 1er lundi d'août (congé statutaire)
  - 5) **Ontario :** 3e lundi de février (Jour de la Famille de l'Ontario) 1er lundi d'août (congé statutaire)
  - 6) **Québec :** 24 juin (Saint-Jean-Baptiste)
  - 7) **Saskatchewan :** 1er lundi d'août (Fête de la Saskatchewan)
  - 8) **Yukon :** 3e lundi d'août (Jour de la Découverte) Jours de fermeture au public des bureaux des brevets et des marques de commerce

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

All Saturdays and Sundays

\*New Year's Day (Jan. 1)

Good Friday

Easter Monday

Victoria Day - First Monday immediately preceding May 25

\*St. John the Baptist Day (June 24)

\*Canada Day (July 1)

Labour Day - First Monday in September

Thanksgiving Day - Second Monday in October

\*Remembrance Day (November 11)

\*Christmas Day (December 25)

Boxing Day (December 26)

If December 26 falls on a Saturday, the Patent and Trade-marks Offices will be closed on the following Monday. If December 26 falls on a Sunday or Monday, the Offices are closed on the following Tuesday.

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

## 14. 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.

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

Tous les samedi et dimanche

\*Jour de l'An (1er janvier)

Vendredi Saint

Lundi de Pâques

Fête de Victoria - premier lundi précédant immédiatement le 25 mai

\*Saint-Jean-Baptiste (le 24 juin)

\*Fête du Canada (1er juillet)

Fête du travail - premier lundi de septembre

Jour de l'Action de grâces - deuxième lundi d'octobre

\*Jour du souvenir (11 novembre)

\*Jour de Noël (25 décembre)

L'après-Noël (26 décembre)

Si le 26 décembre est un samedi, les bureaux des brevets et des marques de commerce seront fermés le lundi suivant. S'il coïncide avec un dimanche ou un lundi, les bureaux le seront le mardi d'après.

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

## 14. 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.

## Notices

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 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.

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 (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.*

## Avis

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).

### 15. Correspondence Procedures

May 24, 2016

**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.*

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 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 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.

**Note regarding Fee Payment Forms:** 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](#).

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).

### 15. Procédures de correspondance

le 24 mai, 2016

**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.*

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 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 pendant les heures normales d'ouverture sera réputée reçue le jour de la livraison.

Veillez 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.

**Note concernant le formulaire de paiements:** 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](#).

## Notices

### 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. Industry Canada  
C.D. Howe Building  
235 Queen Street, Room S-143  
Ottawa ON K1A 0H5  
Tel.: 613-952-2268  
  
8:30 a.m. to 4:30 p.m. (local time) Monday to Friday
2. Industry Canada  
Sun Life Building  
1155 Metcalfe Street, Room 950  
Montreal QC H3B 2V6  
Tel.: 514-496-1797  
Toll-free: 1 888 237-3037  
  
8:30 a.m. to 4:30 p.m. (local time) Monday to Friday
3. Industry 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. Industry 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. Industry 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

### 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. Industrie Canada  
Édifce C.D. Howe  
235, rue Queen, pièce S-143  
Ottawa (Ontario) K1A 0H5  
Tél. : 613-952-2268  
  
8 h 30 à 16 h 30 (heure locale) du lundi au vendredi
2. Industrie Canada  
Édifce Sun Life  
1155, rue Metcalfe, bureau 950  
Montréal (Québec) H3B 2V6  
Tél. : 514-496-1797  
Sans frais : 1-888-237-3037  
  
8 h 30 à 16 h 30 (heure locale) du lundi au vendredi
3. Industrie 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. Industrie 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. Industrie 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.

## Avis

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. If, for example, correspondence intended for the Patent Office is delivered to the designated establishment in Toronto on June 24, it will not be considered to be received on June 24 as this is a day on which CIPO is closed for business.

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

### 2. Registered Mail<sup>TM</sup> and Xpresspost<sup>TM</sup> Service of Canada Post

For the purposes of subsections 5(4) and 54(3) of the *Patent Rules*, subsection 3(4) of the *Trade-mark 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<sup>TM</sup> and Xpresspost<sup>TM</sup> services of Canada Post are designated establishment 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.

CIPO considers that correspondence delivered through the Registered Mail<sup>TM</sup> and Xpresspost<sup>TM</sup> 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.

### 3. 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 via [CIPO's Web](#) site 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

Sinon, elle sera réputée avoir été reçue à la date du jour d'ouverture suivant de l'OPIC. Par exemple, le courrier destiné au Bureau des brevets et livré le 24 juin à l'établissement désigné à Toronto ne se verra pas attribuer cette date de réception puisque l'OPIC est alors fermé au public.

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

### 2. Service 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 établissements ou des bureaux désignés auxquels la correspondance adressée au commissaire aux brevets, 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.

### 3. 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 sur le [site web de l'OPIC](#) 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

## Notices

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.

### 3.1 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 (953-2476) or  
819-953-OPIC (953-6742)

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.

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.

### 3.2 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 via [CIPO's Web site](#).

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.

### 3.1 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 (953-6742) ou  
819-953-CIPO (953-2476)

La correspondance par télécopieur qui est transmise 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 recevez après votre envoi par télécopieur constituera votre accusé de réception de l'envoi. La confidentialité du processus de transmission par télécopieur ne peut pas être garantie.

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.

### 3.2 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 sur le [site Web de l'OPIC](#).



### Patents

For the purpose of subsection 5(6) of the *Patent Rules*, the following correspondence with the Patent Office may be sent electronically via CIPO's web site by accessing the following web pages:

- [filing an application](#) (regular application);
- [filing a request for national entry](#);
- [filing an international application](#) (PCT Safe and ePCT);
- [general correspondence relating to applications and patents](#);
- [maintaining the name of a patent agent on the register of patent agents](#);
- [ordering copies in paper, or electronic form of a document](#).

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

Pursuant to PCT Rule 89*bis*, 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](#).

### Trade-marks

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 via CIPO's Web site, by accessing the following web pages:

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

### Brevets

Aux fins du paragraphe 5(6) des *Règles sur les brevets*, la correspondance suivante destinée au Bureau des brevets peut être envoyée par voie électronique au moyen du site Web de l'OPIC, notamment par les pages Web suivantes :

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

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

Conformément à la Règle 89*bis* 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 transmise par voie électronique sur le site Web de l'OPIC notamment par les pages Web 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](#).

## Notices

### Copyright

For the purpose of subsection 2(6) of the *Copyright Regulations*, the following correspondence addressed to the Copyright Office may be sent electronically via CIPO's Web site, by accessing the following web 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 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](#).

### 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 via CIPO's web site, by accessing the following web 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](#).

### 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 via CIPO's web site, by accessing the following web pages:

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

## 3.3 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

### 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 sur le site Web de l'OPIC. Pour ce faire, il faut accéder les pages Web suivantes :

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

### 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 sur le site Web de l'OPIC. Pour ce faire, il faut accéder les pages Web 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](#).

### Topographies de circuits intégrés

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 sur le site Web de l'OPIC. Pour ce faire, il faut accéder les pages Web suivantes :

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

## 3.3 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.

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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 application itself or amendment(s) thereof.

### 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

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

### 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

## Notices

fee, refer to Section 7 of the PCT Administrative Instructions.

séquences et/ou de tableaux sous forme électronique, notamment sur l'étiquetage des supports électroniques et le calcul de la taxe de dépôt internationale.

### Electronic Media accepted by the Patent Office

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

### Supports électroniques acceptés par le Bureau des brevets

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

## 4. 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 via the web site 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 & 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;

## 4. 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 sur le site Web 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'OPIB 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;

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- No embedded OLE objects;
- All fonts must be embedded and licensed for distribution.

- Pas d'objets OLE incorporés;
- Toutes les polices de caractère doivent être incorporées et leur distribution doit être autorisée.

### ASCII Format:

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

### Format ASCII :

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

## **Industrial Design**

For the purposes of subsections 3(6) and 12(3) of the *Industrial Design Regulations*, the acceptable file formats for documents submitted electronically via the web site 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.

## **5. General Information**

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

## **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 électroniquement par le site Web 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 « Stellant 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 les images et les balayer par scanner ou les convertir dans les formats recommandés avant leur chargement dans la base de données.

## **5. Renseignements généraux**

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

Notices

**16. Canadian Applications Open to Public Inspection**

The *Canadian Patent Office Record* of March 7, 2017 contains applications open to public inspection from February 19, 2017 to February 25, 2017.

**16. Demandes canadiennes mises à la disponibilité du public**

La *Gazette du bureau des brevets* du 7 mars 2017 contient les demandes disponibles au public pour consultation pour la période du 19 février 2017 au 25 février 2017.

# Canadian Patents Issued

March 7, 2017

## Brevets canadiens délivrés

7 mars 2017

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[11] **2,289,153**  
[13] C  
[51] **Int.Cl. G09B 19/18 (2006.01) G09B 1/06 (2006.01)**  
[25] EN  
[54] **A METHOD OF TEACHING FINANCIAL MANAGEMENT**  
[54] **METHODE D'ENSEIGNEMENT DE LA GESTION FINANCIERE**  
[72] JOFFE, NEVILLE, CA  
[73] AME ELEARNING INC., CA  
[86] (2289153)  
[87] (2289153)  
[22] 1999-11-05

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[11] **2,421,374**  
[13] C  
[51] **Int.Cl. C12N 15/62 (2006.01) A61K 38/17 (2006.01) A61P 25/28 (2006.01) C07K 14/00 (2006.01) C07K 14/47 (2006.01) C07K 14/79 (2006.01) C07K 16/18 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/11 (2006.01) C12N 15/63 (2006.01) A61K 38/00 (2006.01)**  
[25] EN  
[54] **METHODS AND COMPOSITIONS FOR DISEASES ASSOCIATED WITH AMYLOIDOSIS**  
[54] **PROCEDES ET COMPOSITIONS RELATIFS A DES MALADIES ASSOCIEES A L'AMYLOIDE**  
[72] NICOLAU, YVES CLAUDE, US  
[73] AVENTIS PHARMA S.A., FR  
[73] UNIVERSITE LOUIS PASTEUR, FR  
[85] 2003-03-04  
[86] 2001-09-06 (PCT/US2001/027632)  
[87] (WO2002/021141)  
[30] US (60/230,391) 2000-09-06  
[30] US (60/255,033) 2000-12-12

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[11] **2,486,285**  
[13] C  
[51] **Int.Cl. C07K 16/30 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**  
[25] EN  
[54] **IMMUNOCONJUGATES TARGETING SYNDECAN-1 EXPRESSING CELLS AND USE THEREOF**  
[54] **IMMUNOCONJUGUES CIBLANT DES CELLULES A EXPRESSION DU SYNDECAN-1 ET UTILISATION DE CEUX-CI**  
[72] GOLDMAKHER, VIKTOR S., US  
[73] BIOTEST AG, DE  
[73] IMMUNOGEN, INC., US  
[86] (2486285)  
[87] (2486285)  
[22] 2004-10-29  
[30] US (60/605,394) 2004-08-30

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[11] **2,488,328**  
[13] C  
[51] **Int.Cl. C12N 15/90 (2006.01) A61K 48/00 (2006.01) C12N 9/12 (2006.01) C12N 15/10 (2006.01) C12N 15/11 (2006.01) C12N 15/79 (2006.01)**  
[25] EN  
[54] **RETRONS FOR GENE TARGETING**  
[54] **RETRONS POUR LE CIBLAGE DE GENE**  
[72] ROZWADOWSKI, KEVIN L., CA  
[72] LYDIATE, DEREK J., CA  
[73] HER MAJESTY THE QUEEN IN RIGHT OF CANADA, AS REPRESENTED BY THE MINISTER OF AGRICULTURE AND AGRI-FOOD, CA  
[85] 2004-12-02  
[86] 2003-06-05 (PCT/CA2003/000850)  
[87] (WO2003/104470)  
[30] US (60/386,640) 2002-06-05

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[11] **2,498,358**  
[13] C  
[51] **Int.Cl. H04W 88/02 (2009.01) G06F 3/14 (2006.01) G06F 9/44 (2006.01)**  
[25] EN  
[54] **WIRELESS COMMUNICATION DEVICE**  
[54] **DISPOSITIF DE COMMUNICATION SANS FIL**  
[72] CLAREY, NICHOLAS HOLDER, GB  
[72] HAWKINS, JONATHAN DANIEL, GB  
[73] QUALCOMM INCORPORATED, US  
[85] 2005-03-09  
[86] 2003-09-12 (PCT/GB2003/003990)  
[87] (WO2004/025971)  
[30] GB (0221181.1) 2002-09-13

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[11] **2,506,004**  
[13] C  
[51] **Int.Cl. A61B 1/317 (2006.01) A61B 17/58 (2006.01)**  
[25] EN  
[54] **MULTIPLE LUMEN SENSOR ATTACHMENT**  
[54] **FIXATION DE CAPTEUR DE LUMEN MULTIPLE**  
[72] WILSON, STEPHEN F., US  
[72] GORHAN, MICHAEL C., US  
[73] CODMAN & SHURTLEFF, INC., US  
[86] (2506004)  
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[30] US (10/839,952) 2004-05-04

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[13] C

[51] **Int.Cl. A23G 9/38 (2006.01)**  
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[54] **IMPROVEMENT OF STABILITY, PHYSICOCHEMICAL, ORGANOLEPTIC AND NUTRITIONAL PROPERTIES OF ICE CREAM EMPLOYING NOVEL INGREDIENTS APPLYING ULTRA HIGH PRESSURE THEREOF**

[54] **AMELIORATION DE LA STABILITE ET DES PROPRIETES PHYSICOCHIMIQUES, ORGANOLEPTIQUES ET NUTRITIONNELLES DE LA CREME GLACEE AU MOYEN D'INGREDIENTS NOVATEURS EXERCANT UNE TRES HAUTE PRESSION**

[72] HOSSEINI-NIA, TAHEREH, CA  
[72] AL-MUGHRABI, KHALIL, CA  
[73] HOSSEINI-NIA, TAHEREH, CA  
[73] AL-MUGHRABI, KHALIL, CA  
[86] (2511283)  
[87] (2511283)  
[22] 2005-07-14

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[13] C

[51] **Int.Cl. C12Q 1/68 (2006.01) C12P 19/34 (2006.01) G01N 1/00 (2006.01)**  
[25] EN  
[54] **METHODS OF PREDICTING MORTALITY RISK BY DETERMINING TELOMERE LENGTH**

[54] **PROCEDES PERMETTANT DE PREDIRE LE RISQUE DE MORTALITE EN MESURANT LA LONGUEUR DES TELOMERES**

[72] CAWTHON, RICHARD, US  
[73] UNIVERSITY OF UTAH, US  
[85] 2005-07-19  
[86] 2004-01-26 (PCT/US2004/002215)  
[87] (WO2004/068110)  
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[51] **Int.Cl. A61K 31/529 (2006.01) A61K 9/19 (2006.01) A61P 25/04 (2006.01)**  
[25] EN  
[54] **STABLE FREEZE-DRIED PHARMACEUTICAL FORMULATION OF TETRODOTOXIN**

[54] **FORMULATION PHARMACEUTIQUE LYOPHILISEE STABLE CONTENANT DE LA TETRODOTOXINE**

[72] ZHANG, XIAO, CN  
[72] KANG, YUHONG, CN  
[72] HUANG, XIAOYAN, CN  
[73] WEX MEDICAL LIMITED, CN  
[85] 2005-12-15  
[86] 2004-07-02 (PCT/CN2004/000736)  
[87] (WO2005/004874)  
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[51] **Int.Cl. C12M 1/26 (2006.01) C12M 1/28 (2006.01) C12N 1/00 (2006.01) C12Q 1/00 (2006.01) G01N 1/00 (2006.01)**  
[25] EN  
[54] **METHOD AND DEVICE FOR REPLICATING ARRAYS OF CELL COLONIES**

[54] **PROCEDE ET DISPOSITIF POUR REPLIQUER DES RESEAUX DE COLONIES DE CELLULES**

[72] BOONE, CHARLES, CA  
[72] KUZAN, PAWEL, CA  
[73] ENGINEERING SERVICES INC., CA  
[73] BOONE, CHARLES, CA  
[85] 2006-03-30  
[86] 2004-09-30 (PCT/CA2004/001715)  
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[13] C

[51] **Int.Cl. A61K 38/17 (2006.01) A61P 35/00 (2006.01) C07K 14/00 (2006.01)**  
[25] EN  
[54] **STABILIZED ALPHA HELICAL PEPTIDES AND USES THEREOF**

[54] **PEPTIDES ALPHA-HELICOIDAUX STABILISES ET LEURS APPLICATIONS**

[72] WALENSKY, LOREN D., US  
[72] KORSMEYER, STANLEY J., US  
[72] VERDINE, GREGORY, US  
[73] DANA-FARBER CANCER INSTITUTE, INC., US  
[73] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US  
[85] 2006-04-28  
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[87] (WO2005/044839)  
[30] US (60/517,848) 2003-11-05  
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[25] EN  
[54] **IMMUNOGENIC PEPTIDE CARRIER CONJUGATES AND METHODS OF PRODUCING SAME**

[54] **CONJUGUES PORTEURS DE PEPTIDES IMMUNOGENES ET PROCEDES DE PRODUCTION ASSOCIES**

[72] ARUMUGHAM, RASAPPA G., US  
[72] PRASAD, A. KRISHNA, US  
[72] HAGEN, MICHAEL, US  
[73] WYETH LLC, US  
[73] JANSSEN SCIENCES IRELAND UC, IE  
[85] 2006-06-08  
[86] 2004-12-17 (PCT/US2004/042701)  
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[54] **GROUND WATER TREATMENT SYSTEM**  
[54] **SYSTEME D'EPURATION DE L'EAU SOUTERRAINE**  
[72] DIMILLO, TONY, CA  
[72] MARSLAND, DAVE, CA  
[73] DIMILLO, TONY, CA  
[73] MARSLAND, DAVE, CA  
[86] (2549196)  
[87] (2549196)  
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[51] **Int.Cl. C12N 15/51 (2006.01) C07H 21/00 (2006.01) C12N 15/11 (2006.01) C12Q 1/04 (2006.01) C12Q 1/68 (2006.01) C12Q 1/70 (2006.01) C40B 60/02 (2006.01) G01N 33/576 (2006.01)**  
[25] EN  
[54] **PROBES AND METHODS FOR HEPATITIS C VIRUS TYPING USING MULTIDIMENSIONAL PROBE ANALYSIS**  
[54] **SONDES ET METHODES POUR LE TYPAGE DU VIRUS DE L'HEPATITE C AU MOYEN D'UNE ANALYSE MULTIDIMENSIONNELLE PAR SOND**  
[72] GUPTA, AMAR, US  
[72] WILL, STEPHEN GORDON, US  
[73] F. HOFFMANN-LA ROCHE AG, CH  
[86] (2549758)  
[87] (2549758)  
[22] 2006-06-27  
[30] US (60/696,253) 2005-06-30  
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[51] **Int.Cl. H04J 3/06 (2006.01)**  
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[54] **DISTRIBUTED SYNCHRONIZATION METHOD AND SYSTEM**  
[54] **PROCEDE ET SYSTEME DE SYNCHRONISATION DISTRIBUEE**  
[72] THILL, JEAN-CLAUDE, FR  
[72] FACHAU, LAURENT, FR  
[73] THALES, FR  
[85] 2006-11-27  
[86] 2005-05-04 (PCT/EP2005/052056)  
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[25] EN  
[54] **ISOLATED CHIMERIC PROTEINS OF MODIFIED LUMAZINE SYNTHASE**  
[54] **PROTEINES CHIMERES ISOLEES DE LUMAZINE SYNTHASE MODIFIEE**  
[72] GOLDBAUM, FERNANDO A., AR  
[72] LAPLAGNE, DIEGO A., AR  
[72] ZYLBERMAN, VANESA, AR  
[72] CRAIG, PATRICIO, AR  
[72] BERGUER, PAULA M., AR  
[72] AINCIART, NATALIA, AR  
[72] FOSSATI, CARLOS A., AR  
[72] CASSATARO, JULIANA, AR  
[72] GIAMBARTOLOMEI, GUILLERMO, AR  
[72] VELIKOVSKY, CARLOS A., AR  
[73] GOLDFINE LLC, AR  
[85] 2006-12-01  
[86] 2005-06-03 (PCT/US2005/019289)  
[87] (WO2005/121330)  
[30] AR (P04-01-01923) 2004-06-03

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[25] EN  
[54] **A TRANSACTION PROCESSING METHOD, APPARATUS AND SYSTEM**  
[54] **PROCEDE, APPAREIL ET SYSTEME DE TRAITEMENT DE TRANSACTIONS**  
[72] OGILVY, IAN CHARLES, AU  
[73] OGILVY, IAN CHARLES, AU  
[85] 2006-12-22  
[86] 2005-06-24 (PCT/AU2005/000902)  
[87] (WO2006/000021)  
[30] AU (2004903470) 2004-06-25  
[30] AU (2004903997) 2004-07-19  
[30] AU (2004904941) 2004-08-30  
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[13] C

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[25] EN  
[54] **BIOTIC AND ABIOTIC STRESS TOLERANCE IN PLANTS**  
[54] **TOLERANCE AUX CONTRAINTES BIOTIQUES ET ABIOTIQUES CHEZ LES PLANTES**  
[72] GUTTERSON, NEAL I., US  
[72] RATCLIFFE, OLIVER, US  
[72] QUEEN, EMILY L., US  
[72] REUBER, T. LYNNE, US  
[72] CENTURY, KAREN S., US  
[72] CANALES, ROGER, US  
[73] MENDEL BIOTECHNOLOGY, INC., US  
[85] 2007-01-30  
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[51] **Int.Cl. C12Q 1/68 (2006.01) G01N 33/48 (2006.01) G01N 33/53 (2006.01) G01N 33/543 (2006.01)**

[25] EN

[54] **NEURAL PROTEINS AS BIOMARKERS FOR NERVOUS SYSTEM INJURY AND OTHER NEURAL DISORDERS**

[54] **NEURO-PROTEINES UTILISEES COMME BIOMARQUEURS POUR DECELER UNE LESION DU SYSTEME NERVEUX ET D'AUTRES TROUBLES NEUROLOGIQUES**

[72] HAYES, RONALD, US

[72] WANG, KA-WANG KEVIN, US

[72] LIU, MING-CHEN, US

[72] OLI, MONIKA, US

[73] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US

[73] BANYAN BIOMARKERS, US

[85] 2006-10-11

[86] 2005-04-15 (PCT/US2005/012746)

[87] (WO2005/106038)

[30] US (60/562,944) 2004-04-15

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[13] C

[51] **Int.Cl. H04W 24/00 (2009.01) G06F 11/36 (2006.01)**

[25] EN

[54] **TESTING SYSTEMS AND METHODS FOR A RESOURCE CONSTRAINED DEVICE**

[54] **SYSTEMES ET PROCEDES D'ESSAI D'UN DISPOSITIF A RESSOURCES LIMITEES**

[72] DAHMS, JOHN F. A., CA

[72] HOWES, DAVID B., CA

[72] WOODWARD, STEPHEN D., CA

[73] BLACKBERRY LIMITED, CA

[85] 2007-03-06

[86] 2005-09-07 (PCT/CA2005/001363)

[87] (WO2006/026857)

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[13] C

[51] **Int.Cl. A63F 9/20 (2006.01) A63F 3/08 (2006.01) A63F 5/00 (2006.01)**

[25] EN

[54] **DOMINO ROULETTE**

[54] **ROULETTE A DOMINOS**

[72] HEBDEN, MICHAEL PATRICK, GB

[73] WATERLEAF LIMITED, GB

[86] (2587298)

[87] (2587298)

[22] 2007-05-03

[30] US (11/417,735) 2006-05-04

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[11] **2,587,751**  
[13] C

[51] **Int.Cl. G01C 9/24 (2006.01) B29D 99/00 (2010.01) G01C 9/34 (2006.01)**

[25] EN

[54] **LEVEL VIAL AND MANUFACTURING METHOD THEREFOR**

[54] **NIVELLE ET METHODE DE FABRICATION CONNEXE**

[72] TRAN, THO, US

[73] THE STANLEY WORKS, US

[86] (2587751)

[87] (2587751)

[22] 2007-05-07

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[13] C

[51] **Int.Cl. F04B 43/073 (2006.01) F04B 49/03 (2006.01) F04B 49/06 (2006.01)**

[25] EN

[54] **CONTROL SYSTEM FOR AN AIR OPERATED DIAPHRAGM PUMP**

[54] **SYSTEME DE COMMANDE POUR POMPE A MEMBRANE PNEUMATIQUE**

[72] REED, DAVID A., US

[72] HOGUE, TIMOTHY D., US

[73] PROPORTIONAIR, INC., US

[85] 2007-05-17

[86] 2005-11-17 (PCT/US2005/041512)

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[30] US (10/991,296) 2004-11-17

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[25] EN

[54] **HEATING SYSTEMS AND METHODS FOR A COOKING APPLIANCE**

[54] **SYSTEMES ET METHODES DE CHAUFFE POUR APPAREIL DE CUISSON**

[72] BROCKMAN, SHERRY LEIGH PAYNE, US

[73] HAIER US APPLIANCE SOLUTIONS, INC., US

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[11] **2,591,175**  
[13] C

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

[25] EN

[54] **METHOD, SYSTEM AND COMPUTER PROGRAM FOR CLIENT ACQUISITION**

[54] **METHODE, SYSTEME ET PROGRAMME INFORMATIF D'ACQUISITION DE CLIENT**

[72] TIETZEN, TERRANCE PATRICK, CA

[72] ARCHINUK, MARK MARCEL, CA

[72] MACKAY, RONALD JAMES, CA

[72] YAMAMOTO, TIMOTHY MAKOTO, CA

[73] EDATANETWORKS INC., CA

[86] (2591175)

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[30] CA (2,550,067) 2006-06-08

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[13] C

[51] **Int.Cl. E21B 47/02 (2006.01) E21B 47/0228 (2012.01)**

[25] EN

[54] **MAGNETIC RANGING WHILE DRILLING PARALLEL WELLS**

[54] **TELEMETRIE MAGNETIQUE PENDANT LE FORAGE DE Puits PARALLELES**

[72] CLARK, BRIAN, US

[73] SCHLUMBERGER CANADA LIMITED, CA

[86] (2597581)

[87] (2597581)

[22] 2007-08-15

[30] US (60/822,598) 2006-08-16

[30] US (11/833,032) 2007-08-02

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[25] EN

[54] **BACKGROUND SEPARATED IMAGES FOR PRINT AND ON-LINE USE**

[54] **IMAGE SEPAREE DU FOND POUR IMPRESSION ET UTILISATION EN LIGNE**

[72] WILLIAMS, ROBERT C., US  
[72] WHEELER, MATTHEW J., US  
[73] KOONTZ, STEVEN R., US  
[73] PC CONNECTION, INC., US  
[86] (2600139)  
[87] (2600139)  
[22] 2007-09-05  
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[13] C

[51] **Int.Cl. A61K 31/713 (2006.01) C12N 15/113 (2010.01)**

[25] EN

[54] **SMALL ACTIVATING RNA MOLECULES AND METHODS OF USE**

[54] **MOLECULES ARN A FAIBLE ACTIVATION**

[72] LI, LONGCHENG, US  
[72] DAHIYA, RAJVIR, US  
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[85] 2007-10-11  
[86] 2006-04-11 (PCT/US2006/013559)  
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[30] US (60/671,666) 2005-04-15  
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[25] EN

[54] **POLYMER CONJUGATE ENHANCED BIOASSAYS**

[54] **ESSAIS BIOLOGIQUES AMELIORES PAR CONJUGUES POLYMERES**

[72] YIN, RAY, US  
[72] QIN, DUJIE, US  
[72] PAN, JING, US  
[73] ANP TECHNOLOGIES, INC., US  
[85] 2007-11-02  
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[11] **2,613,255**  
[13] C

[51] **Int.Cl. A61B 5/155 (2006.01)**

[25] EN

[54] **PATIENT'S SKIN PUNCTURING DEVICE**

[54] **DISPOSITIF DE PERFORATION DE LA PEAU D'UN PATIENT**

[72] WYSZOGRODZKI, WOJCIECH, PL  
[72] JANKOWSKI, ANDRZEJ, PL  
[72] URBAN, PIOTR, PL  
[72] NOWICKI, ADAM, PL  
[73] "HTL-STREFA" SPOLKA-AKCYJNA, PL  
[85] 2007-12-21  
[86] 2006-06-22 (PCT/PL2006/000041)  
[87] (WO2006/137752)  
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[13] C

[51] **Int.Cl. G01N 33/68 (2006.01)**

[25] EN

[54] **DIAGNOSTIC METHOD FOR BRAIN DAMAGE-RELATED DISORDERS**

[54] **METHODE SERVANT A DIAGNOSTIQUER DES TROUBLES ASSOCIES A LA DETERIORATION CEREBRALE**

[72] HOCHSTRASSER, DENIS FRANCOIS, CH  
[72] SANCHEZ, JEAN-CHARLES, CH  
[73] UNIVERSITE DE GENEVE, CH  
[85] 2008-01-02  
[86] 2006-07-14 (PCT/GB2006/050207)  
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[30] GB (0514435.7) 2005-07-14

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[13] C

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[25] EN

[54] **INTERACTION OF MORAXELLA CATARRHALIS WITH EPITHELIAL CELLS, EXTRACELLULAR MATRIX PROTEINS AND THE COMPLEMENT SYSTEM**

[54] **INTERACTION DE MORAXELLA CATARRHALIS AVEC DES CELLULES EPITHELIALES, DES PROTEINES MATRICIELLES EXTRACELLULAIRES ET LE SYSTEME COMPLEMENTAIRE**

[72] FORSGREN, ARNE, SE  
[72] RIESBECK, KRISTIAN, SE  
[73] ARNE FORSGREN AB, SE  
[85] 2008-02-06  
[86] 2006-08-08 (PCT/SE2006/000931)  
[87] (WO2007/018463)  
[30] US (60/706,745) 2005-08-10  
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[51] **Int.Cl. F01D 5/16 (2006.01)**  
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BLADE**  
[54] **AUBE DE TURBINE CONFIGUREE  
EN AMORTISSEUR**  
[72] BAUER, RANDALL CHARLES, US  
[72] GARAY, GREGORY TERRENCE, US  
[72] WEAVER, MATTHEW MARK, US  
[72] BAILEY, JAMES ROBERT, US  
[72] BUSBEY, BRUCE CLARK, US  
[73] GENERAL ELECTRIC COMPANY,  
US  
[86] (2620484)  
[87] (2620484)  
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[13] C  
[51] **Int.Cl. H05B 41/292 (2006.01)**  
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[54] **METHOD FOR OPERATING A  
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[54] **PROCEDE D'UTILISATION D'UNE  
LAMPE A DECHARGE GAZEUSE**  
[72] BRUECKEL, MARTIN, DE  
[72] LANKES, SIMON, DE  
[72] NAUEN, ANDRE, DE  
[72] REITER, BERNHARD, DE  
[73] PATENT-TREUHAND-  
GESELLSCHAFT FUER  
ELEKTRISCHE GLUEHLAMPEN  
MBH, DE  
[85] 2008-04-07  
[86] 2006-10-12 (PCT/EP2006/067346)  
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[30] DE (10 2005 049 582.6) 2005-10-17

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[13] C  
[51] **Int.Cl. G06F 3/023 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR  
RAPID INPUT OF DATA**  
[54] **SYSTEME ET PROCEDE  
D'INTRODUCTION RAPIDE DE  
DONNEES**  
[72] EVELEIGH, SIMON F., GB  
[73] CAREFUSION 303, INC., US  
[85] 2008-05-09  
[86] 2006-11-14 (PCT/US2006/044118)  
[87] (WO2007/059095)  
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[51] **Int.Cl. C07K 14/31 (2006.01) A61K  
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A61K 51/08 (2006.01) C07K 14/00  
(2006.01) C07K 14/195 (2006.01)  
G01N 33/566 (2006.01) C07K 14/71  
(2006.01)**  
[25] EN  
[54] **EPIDERMAL GROWTH FACTOR  
RECEPTOR BINDING  
POLYPEPTIDES**  
[54] **POLYPEPTIDES LIANT LE  
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[54] **WIDGET OF GRAPHICAL USER  
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RELATED OBJECTS**  
[54] **OBJET FENETRE D'INTERFACE  
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[73] DASSAULT SYSTEMES, FR  
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[72] LESAK, ALAN E., US  
[73] REGAL BELOIT AMERICA, INC., US  
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[72] WU, KUNSHENG, US  
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[54] **MICRORUPTEUR MEMS POURVU D'UN ACTIONNEUR JUMELE ET D'UNE GRILLE COMMUNE**  
[72] KEIMEL, CHRISTOPHER FRED, US  
[72] WANG, XUEFENG, US  
[72] AIMI, MARCO FRANCESCO, US  
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[54] **ENSEMBLE DE POMPE A MOUSSE BIFURQUEE**  
[72] QUINLAN, ROBERT L., US  
[72] ROSENKRANZ, MARK E., US  
[72] REYNOLDS, AARON R., US  
[73] GOJO INDUSTRIES, INC., US  
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[54] **PROCEDE ET APPAREIL DESTINES A DES COMPTEURS INSTALLES EN VUE D'UNE COOPERATION**  
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[72] NIELSEN, CHRISTEN VOSS, US  
[72] STOKES, ROBERT JOEL, US  
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[54] **COUPLEUR DE GUIDE D'ONDES CONIQUE ET SPECTROMETRE**  
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[73] GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA  
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[54] **PROCEDE ET SYSTEME POUR GENERER UNE IMAGE DE SYNTHESE D'AU MOINS UNE PARTIE D'UNE RACINE DE CHEVEU**  
[72] AUDOLY, BASILE, FR  
[72] QUERLEUX, BERNARD, FR  
[72] BERTAILS, FLORENCE, FR  
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[72] BLONDELLE, SYLVIE E., US  
[72] JERALA, ROMAN, SI  
[72] PRISTOVSEK, PRIMOZ, SI  
[72] MAJERLE, ANDREJA, SI  
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[72] JAPELJ, BOSTJAN, SI  
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[72] LEON, JOSE LEIVA, ES  
[72] MARTINEZ DE TEJADA DE GARAIZABAL, GUILLERMO, ES  
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[54] **SONDE, GAINE, SYSTEME, PROCEDE ET KIT POUR REALISER UNE THERMOTHERAPIE PERCUTANEE**  
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[54] **METHODES ET SYSTEMES POUR FAIBLE VARIATION DES PRODUITS DE REACTEUR**  
[72] WALLACE, PAUL STEVEN, US  
[72] FRYDMAN, ARNALDO, US  
[73] GENERAL ELECTRIC COMPANY, US  
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[54] **MICROBES PRODUISANT DES HUILES ET PROCEDES DE MODIFICATION ASSOCIES**

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[72] BURJA, ADAM M., CA

[72] BARROW, COLIN JAMES, CA

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[54] **WASHING SYSTEM AND METHOD FOR LOAD SIZE AND WATER RETENTION DETECTION**

[54] **SYSTEME DE LAVAGE ET METHODE DE DETECTION DE LA CAPACITE DE CHARGE ET DE RETENTION DE L'EAU**

[72] PAUL, STEVEN D., US

[72] HOPPE, CHRISTOPHER G., US

[72] VITAN, CRAIG, US

[72] RECIO, STEVEN, US

[72] RISEN, CARL W., US

[72] KATONA, RUSSELL, US

[73] HAIER US APPLIANCE SOLUTIONS, INC., US

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[54] **PROCEDES ET COMPOSITIONS VISANT A PROMOUVOIR LE DEVELOPPEMENT NEUROLOGIQUE D'UN NOURRISSON**

[72] GIBSON, ROBERT, AU

[72] MAKRIDES, MARIA, AU

[73] WOMEN'S & CHILDREN'S HEALTH RESEARCH INSTITUTE, AU

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[54] **COOKING APPLIANCE**

[54] **APPAREIL DE CUISSON**

[72] KRISHNAN, ARVIND G., US

[72] D'ERAMO, CHRISTOPHER M., US

[73] SOUL OF INDIA, LLC, US

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[54] **COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING CANCER**

[54] **COMPOSITIONS ET PROCEDES PERMETTANT DE DIAGNOSTIQUER ET DE TRAITER LE CANCER**

[72] GURNEY, AUSTIN, US

[72] HOEY, TIMOTHY, US

[72] SATYAL, SANJEEV, US

[72] AXELROD, FUMIKO, US

[73] ONCOMED PHARMACEUTICALS, INC., US

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[54] **INDICATEUR BIOLOGIQUE GENETIQUEMENT MODIFIE**

[72] FRANCISKOVICH, PHILLIP P., US

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[72] CREGGER, TRICIA A., US

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[25] FR  
[54] **METHOD OF PRODUCING BAKERY PRODUCTS, SUCH AS SANDWICH LOAVES, AND BAKED PRODUCTS THUS OBTAINED**  
[54] **PROCEDE DE FABRICATION DE PRODUITS DE BOULANGERIE, TELS QUE PAIN DE MIE ET PRODUITS CUITS AINSI OBTENUS**  
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[54] **SYSTEMES, PROCEDES ET APPAREIL DE PROGRAMMATION LOCALE D'ELEMENTS DE PROCESSEUR QUANTIQUE**  
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[72] BUNYK, PAUL I., CA  
[72] ROSE, GEORDIE, CA  
[73] D-WAVE SYSTEMS, INC., CA  
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[54] **PROCEDE ET SYSTEME DE TRAITEMENT DE TELEVISION INTERACTIVE**  
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[72] MCDEVITT, JOHN, US  
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[54] **SYSTEME DE FIXATION AMOVIBLE D'UN DISPOSITIF JETABLE A UN DISPOSITIF DURABLE**  
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[54] **SYSTEME ET PROCEDE DE CONVERSION DE BIOMASSE EN ETHANOL AU MOYEN D'UN GAZ DE SYNTHESE**  
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[54] **MONTAGE D'EOLIENNE ET METHODE D'ALIGNEMENT D'EOLIENNE DANS LA DIRECTION DU VENT**  
[72] ENEVOLDSEN, PEDER BAY, DK  
[72] FRYDENDAL, IB, DK  
[72] POULSEN, STEFFEN FRYDENDAL, DK  
[72] RUBAK, RUNE, DK  
[73] SIEMENS AKTIENGESELLSCHAFT, DE  
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[54] **METHODE DE DEPLACEMENT ET D'ALIGNEMENT DE DISPOSITIF LOURD**  
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[72] FRASSINELLI, LUCA, IT  
[72] MEIATTINI, DANIELA, IT  
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[54] **GENERATEUR D'ENERGIE IMMERGE ET METHODE**  
[72] GUSTAFSON, RYAN, US  
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[54] **APPAREIL DE LEVAGE ET DE POSITIONNEMENT DE PLATE-FORME DE TRAVAIL**  
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[51] **Int.Cl. A23L 3/02 (2006.01) A23L 3/04 (2006.01) A23L 3/10 (2006.01) B65B 55/12 (2006.01)**  
[25] EN  
[54] **STABILIZED, PACKAGED, FULL MOISTURE FOOD PRODUCTS**  
[54] **PRODUITS ALIMENTAIRES A HUMIDITE COMPLETE STABILISES ET EMBALLES**  
[72] VAN APPELDOORN, CORNELIUS JAN, NL  
[72] OTTEN, PAUL ALOIS MARIA, BE  
[72] BONNA, ANNICA, NL  
[72] DE VRIES, MARTIJN JOHANNES MARIA, NL  
[72] VELTHUIS, MARCEL CHRISTIAN ANTHONY, NL  
[73] MARS, INCORPORATED, US  
[85] 2009-11-10  
[86] 2008-05-29 (PCT/IB2008/002120)  
[87] (WO2008/146166)  
[30] GB (0710228.8) 2007-05-29  
[30] GB (0715579.9) 2007-08-09  
[30] GB (0801052.2) 2008-01-21

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[13] C

[51] **Int.Cl. F23D 14/04 (2006.01) F23Q 9/04 (2006.01)**  
[25] EN  
[54] **BURNER SYSTEM HAVING PREMIXED BURNERS AND FLAME TRANSFER MEANS**  
[54] **SYSTEME DE BRULEUR COMPORTANT DES BRULEURS PREMELANGES ET DES MOYENS DE TRANSFERT DE FLAMME**  
[72] SMIT, ARENDT JAN, NL  
[73] 3FORCE B.V., NL  
[85] 2009-11-13  
[86] 2008-05-14 (PCT/NL2008/000128)  
[87] (WO2008/140301)  
[30] NL (1033850) 2007-05-15

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[11] **2,688,378**  
[13] C

[51] **Int.Cl. B65D 85/804 (2006.01) A47J 31/40 (2006.01)**  
[25] EN  
[54] **SINGLE-USE CAPSULE FOR PREPARING A FOOD LIQUID BY CENTRIFUGATION**  
[54] **CAPSULE A USAGE UNIQUE POUR PREPARER UN LIQUIDE ALIMENTAIRE PAR CENTRIFUGATION**  
[72] YOAKIM, ALFRED, CH  
[72] DENISART, JEAN-PAUL, CH  
[72] RYSER, ANTOINE, CH  
[73] NESTEC S.A., CH  
[85] 2009-11-25  
[86] 2008-05-23 (PCT/EP2008/056345)  
[87] (WO2008/148650)  
[30] EP (07109580.6) 2007-06-05  
[30] EP (08102148.7) 2008-02-29

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[13] C

[51] **Int.Cl. F21V 21/34 (2006.01)**  
[25] EN  
[54] **DOWNWARD COMPATIBLE VOLTAGE TRACK LIGHTING SYSTEM**  
[54] **SYSTEME D'ECLAIRAGE SUR RAILS A COMPATIBILITE DESCENDANTE**  
[72] FISHMAN, JULIA, US  
[72] KUCHAR, JAMES E., US  
[72] MIER-LANGER, ALEJANDRO, US  
[73] PHILIPS LIGHTING HOLDING B.V., NL  
[86] (2688650)  
[87] (2688650)  
[22] 2009-12-16  
[30] US (12/638,188) 2009-12-15

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[13] C

[51] **Int.Cl. B64D 29/06 (2006.01) B64D 27/26 (2006.01)**

[25] EN

[54] **MONOLITHIC STRUCTURE FOR MOUNTING AIRCRAFT ENGINE**

[54] **STRUCTURE MONOLITHIQUE D'INSTALLATION DE MOTEUR D'AERONEF**

[72] LINZ, MARK, US

[72] STUART, ALAN ROY, US

[73] GENERAL ELECTRIC COMPANY, US

[86] (2688780)

[87] (2688780)

[22] 2009-12-17

[30] US (12/343,833) 2008-12-24

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[11] **2,691,292**  
[13] C

[51] **Int.Cl. A21D 2/08 (2006.01) A21D 2/18 (2006.01)**

[25] EN

[54] **COATING COMPOSITION FOR BAKERY FOOD PRODUCTS AND BAKERY FOOD PRODUCTS USING THE SAME**

[54] **COMPOSITION D'ENROBAGE POUR PRODUITS ALIMENTAIRES, ET PRODUITS ALIMENTAIRES Y FAISANT APPEL**

[72] SATOH, SUSUMU, JP

[73] MATSUTANI CHEMICAL INDUSTRY CO., LTD., JP

[86] (2691292)

[87] (2691292)

[22] 2010-01-29

[30] JP (2009-024730) 2009-02-05

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[11] **2,692,201**  
[13] C

[51] **Int.Cl. H04L 12/16 (2006.01) H04L 12/14 (2006.01) H04L 12/24 (2006.01)**

[25] EN

[54] **SERVICE DELIVERY PLATFORM DOCKING STATION**

[54] **STATION D'ACCUEIL DE PLATE-FORME POUR PRESTATION DE SERVICES**

[72] VANDENBULCKE, RAOUL, IT

[72] MACCHIETTI, ALESSANDRA, IT

[72] PRIVITERA, ROBERTO, IT

[72] DI BELLA, DARIO, IT

[72] FILETTI, PAOLO, IT

[73] ACCENTURE GLOBAL SERVICES LIMITED, IE

[86] (2692201)

[87] (2692201)

[22] 2010-02-05

[30] EP (09425064.4) 2009-02-16

[30] EP (09008688.5) 2009-07-02

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[13] C

[51] **Int.Cl. C12Q 1/68 (2006.01) C02F 3/34 (2006.01) C09K 8/582 (2006.01) C09K 8/60 (2006.01) C10G 1/00 (2006.01) C12P 7/64 (2006.01) E21B 43/16 (2006.01)**

[25] EN

[54] **BIOLOGICAL ENHANCEMENT OF HYDROCARBON EXTRACTION**

[54] **AMELIORATION BIOLOGIQUE D'EXTRACTION D'HYDROCARBURES**

[72] BRIGMON, ROBIN L., US

[72] BERRY, CHRISTOPHER J., US

[73] SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC, US

[85] 2010-02-01

[86] 2008-08-01 (PCT/US2008/009289)

[87] (WO2009/017810)

[30] US (11/888,463) 2007-08-01

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[25] EN

[54] **NUCLEIC ACID-LIPOPOLYMER COMPOSITIONS**

[54] **COMPOSITIONS A BASE D'UN ACIDE NUCLEIQUE ET D'UN LIPOPOLYMERE**

[72] MATAR, MAJED, US

[72] FEWELL, JASON, US

[72] LEWIS, DANNY H., US

[72] ANWER, KHURSHEED, US

[73] CLSN LABORATORIES, INC., US

[85] 2010-02-05

[86] 2008-08-06 (PCT/US2008/072306)

[87] (WO2009/021017)

[30] US (61/190,065) 2007-08-06

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[13] C

[51] **Int.Cl. H01M 8/0282 (2016.01) H01M 8/0286 (2016.01) H01M 8/2432 (2016.01)**

[25] EN

[54] **FUEL CELL STACK**

[54] **COLONNE DE PILES A COMBUSTIBLE**

[72] LARSEN, JOERGEN GUTZON, DK

[72] OLSEN, CHRISTIAN, DK

[72] JENSEN, MARIE DREJER, DK

[73] HALDOR TOPSOE A/S, DK

[86] (2696447)

[87] (2696447)

[22] 2010-03-11

[30] DK (PA 2009 00359) 2009-03-13

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[11] **2,697,410**  
[13] C

[51] **Int.Cl. G08G 1/14 (2006.01) G07B 17/00 (2006.01)**

[25] EN

[54] **VEHICLE DETECTION**

[54] **DETECTION DE VEHICULE**

[72] CARBOON, PAUL, AU

[72] TOAL, STEPHEN, AU

[72] DEL PAPA, SANDY, AU

[73] SARB MANAGEMENT GROUP PTY LTD., AU

[85] 2010-02-23

[86] 2008-08-22 (PCT/AU2008/001244)

[87] (WO2009/023936)

[30] AU (2007904549) 2007-08-23

[30] AU (2008100796) 2008-08-21

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[25] EN

[54] **RATCHET FOR REMOVING DAMAGED FASTENERS**

[54] **CLE A CLIQUET PERMETTANT D'ENLEVER DES FIXATIONS ENDOMMAGEES**

[72] DENG, DAVID CAN GUANG, CA

[72] YIP, JOHNNY YIU WAH, CA

[73] SURETORQ INC., CA

[86] (2697755)

[87] (2697755)

[22] 2010-03-25

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[13] C

[51] **Int.Cl. F21V 8/00 (2006.01) B63C 9/20 (2006.01) B63C 9/26 (2006.01) B63C 11/20 (2006.01) B63C 11/26 (2006.01) G02B 6/10 (2006.01)**

[25] EN

[54] **UMBILICAL CABLE OMBILICAL**

[72] DUNN, MALCOLM HARRY, GB

[72] WALKER, DONALD, GB

[73] UNIVERSITY COURT OF THE UNIVERSITY OF ST. ANDREWS, GB

[86] (2698292)

[87] (2698292)

[22] 2010-03-31

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[11] **2,698,465**  
[13] C

[51] **Int.Cl. F01D 5/16 (2006.01) F01D 5/14 (2006.01) F01D 5/20 (2006.01) F01D 9/02 (2006.01)**

[25] EN

[54] **BLADE FOR AN AXIAL COMPRESSOR AND MANUFACTURING METHOD THEREOF**

[54] **PALE POUR COMPRESSEUR AXIAL ET PROCEDE DE FABRICATION CONNEXE**

[72] KAPPIS, WOLFGANG, CH

[72] PUERTA, LUIS FEDERICO, CH

[72] MICHELI, MARCO, CH

[73] GENERAL ELECTRIC TECHNOLOGY GMBH, CH

[86] (2698465)

[87] (2698465)

[22] 2010-03-30

[30] EP (09157726.2) 2009-04-09

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[13] C

[51] **Int.Cl. B65D 1/16 (2006.01) B65D 21/02 (2006.01) B65D 43/02 (2006.01)**

[25] EN

[54] **OVERPACK SALVAGE DRUM**

[54] **BARIL DE RECUPERATION POUR SUREMBALLAGE**

[72] STANEK, LARRY, US

[72] REED, TIMOTHY D., US

[72] JANDA, SCOTT R., US

[73] ENPAC, L.L.C., US

[86] (2699046)

[87] (2699046)

[22] 2010-04-06

[30] US (12/464,616) 2009-05-12

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[11] **2,699,610**  
[13] C

[51] **Int.Cl. G06Q 20/20 (2012.01) B67D 7/04 (2010.01) B67D 7/14 (2010.01) G07F 13/02 (2006.01)**

[25] EN

[54] **CONDUCTING FUEL DISPENSING TRANSACTIONS**

[54] **REALISATION DE TRANSACTIONS DE DISTRIBUTION DE CARBURANT**

[72] WESTON, TIMOTHY MARTIN, US

[72] TANG, WEIMING, US

[73] WAYNE FUELING SYSTEMS LLC, US

[85] 2010-03-12

[86] 2008-09-25 (PCT/US2008/077650)

[87] (WO2009/042757)

[30] US (11/862,663) 2007-09-27

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[13] C

[51] **Int.Cl. E21B 33/068 (2006.01) E21B 23/00 (2006.01) E21B 36/04 (2006.01) E21B 41/00 (2006.01)**

[25] EN

[54] **SYSTEM, METHOD AND APPARATUS FOR THERMAL WELLHEAD HAVING HIGH POWER CABLE FOR IN-SITU UPGRADING PROCESSING**

[54] **SYSTEME, PROCEDE ET APPAREIL POUR TETE DE Puits THERMIQUE AVEC CABLE A HAUTE TENSION POUR LA VALORISATION ET LE TRAITEMENT IN-SITU**

[72] MONJURE, NOEL A., US

[73] VETCO GRAY INC., US

[86] (2700027)

[87] (2700027)

[22] 2010-04-15

[30] US (12/428,615) 2009-04-23

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[11] **2,700,795**  
[13] C

[51] **Int.Cl. A61K 31/5377 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **ISOXAZOLE COMPOUND FOR THE TREATMENT OF CANCER**

[54] **COMPOSE D'ISOXAZOLE POUR LE TRAITEMENT DU CANCER**

[72] CHENE, PATRICK, FR

[72] GARCIA-ECHEVERRIA, CARLOS, CH

[72] JENSEN, MICHAEL RUGAARD, CH

[72] QUADT, CORNELIA, CH

[72] RADIMERSKI, THOMAS, CH

[72] SCHOEPFER, JOSEPH, CH

[73] NOVARTIS AG, CH

[85] 2010-03-05

[86] 2008-10-10 (PCT/EP2008/063605)

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[30] EP (07118421.2) 2007-10-12

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[13] C

[51] **Int.Cl. H04W 4/02 (2009.01) H04W 52/02 (2009.01) G09B 29/10 (2006.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR REDUCING TRANSMISSION OF LOCATION INFORMATION**  
[54] **PROCEDE ET APPAREIL CONCU POUR LIMITER LA TRANSMISSION DE L'INFORMATION DE LOCALISATION**  
[72] DICKE, RONALD ANTHONY, CA  
[73] BLACKBERRY LIMITED, CA  
[86] (2701230)  
[87] (2701230)  
[22] 2010-04-21  
[30] EP (09159121.4) 2009-04-29

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[11] **2,703,313**  
[13] C

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/20 (2006.01)**  
[25] EN  
[54] **ORAL DOSAGE FORMS COMPRISING LICARBAZEPINE ACETATE**  
[54] **FORMES GALENIQUES ORALES RENFERMANT DE L'ACETATE DE LICARBAZEPINE**  
[72] VASCONCELOS, TEOFILO CARDOSO DE, PT  
[72] SANTOS LIMA, RICARDO JORGE DOS, PT  
[72] CAMPOS COSTA, RUI CERDEIRA DE, PT  
[73] BIAL - PORTELA & CA., S.A., PT  
[85] 2010-04-20  
[86] 2008-10-24 (PCT/PT2008/000043)  
[87] (WO2009/054743)  
[30] US (60/982,790) 2007-10-26

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[13] C

[51] **Int.Cl. G01G 17/04 (2006.01) G01G 23/00 (2006.01) G01L 1/26 (2006.01)**  
[25] EN  
[54] **LOW AND EMPTY PRODUCT DETECTION USING LOAD CELL AND LOAD CELL BRACKET**  
[54] **DETECTION DE PRODUIT VIDE ET DE BAS NIVEAU DE PRODUIT UTILISANT UNE CELLULE DE CHARGE ET UN SUPPORT DE CELLULE DE CHARGE**  
[72] MEHUS, RICHARD J., US  
[72] WEBER, BRUCE W., US  
[72] WILTSIE, BEN J., US  
[73] ECOLAB INC., US  
[85] 2010-04-27  
[86] 2008-12-04 (PCT/IB2008/055107)  
[87] (WO2009/074929)  
[30] US (11/954,425) 2007-12-12

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[13] C

[51] **Int.Cl. C08K 9/04 (2006.01) H01B 3/00 (2006.01) H01B 3/18 (2006.01)**  
[25] EN  
[54] **REDUCTION OF DIELECTRIC LOSSES THROUGH USE OF ORGANOCCLAY IN SEMICONDUCTOR OR INSULATOR COMPOSITIONS**  
[54] **REDUCTION DE PERTES DIELECTRIQUES PAR UTILISATION D'ARGILE ORGANIQUE DANS DES COMPOSITIONS SEMI-CONDUCTRICES OU ISOLANTES**  
[72] PERSON, TIMOTHY J., US  
[72] EATON, ROBERT F., US  
[73] UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC, US  
[85] 2010-04-28  
[86] 2008-10-15 (PCT/US2008/079915)  
[87] (WO2009/058560)  
[30] US (60/984,813) 2007-11-02

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[13] C

[51] **Int.Cl. G01N 1/28 (2006.01) B01D 21/26 (2006.01) B01L 3/00 (2006.01) B04B 7/08 (2006.01) G01N 33/48 (2006.01)**  
[25] EN  
[54] **COLLECTION TUBES APPARATUS, SYSTEMS, AND METHODS**  
[54] **TUBES DE PRELEVEMENT, APPAREILS, SYSTEMES ET PROCEDES CORRESPONDANTS**  
[72] EMERSON, JANE, US  
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[85] 2010-04-30  
[86] 2008-10-13 (PCT/US2008/079745)  
[87] (WO2009/058547)  
[30] US (11/933,839) 2007-11-01

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[13] C

[51] **Int.Cl. A61K 38/08 (2006.01) A61K 38/33 (2006.01) A61P 5/50 (2006.01)**  
[25] EN  
[54] **USE OF MELANOCORTINS TO TREAT INSULIN SENSITIVITY**  
[54] **UTILISATION DE MELANOCORTINES POUR TRAITER UNE SENSIBILITE A L'INSULINE**  
[72] HALEM, HEATHER A., US  
[72] CULLER, MICHAEL DEWITT, US  
[72] BUTLER, ANDREW A., US  
[73] IPSEN PHARMA S.A.S., FR  
[73] BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE, US  
[85] 2010-05-04  
[86] 2008-11-05 (PCT/US2008/012490)  
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[13] C

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[25] EN  
[54] **FXIII DETECTION FOR VERIFYING SERUM SAMPLE AND SAMPLE SIZE AND FOR DETECTING DILUTION**  
[54] **DETECTION DU FACTEUR XIII PERMETTANT DE VERIFIER UN ECHANTILLON DE SERUM AINSI QU'UN VOLUME D'ECHANTILLON ET DE DETECTER UNE DILUTION**  
[72] BINDER, STEVEN R., US  
[72] GOODRICH, JODI L., US  
[72] SAFARIAN, ZARA, US  
[73] BIO-RAD LABORATORIES, INC., US  
[86] (2706681)  
[87] (2706681)  
[22] 2002-05-28  
[62] 2,447,696  
[30] US (09/872,639) 2001-05-31

[11] **2,708,628**  
[13] C

- [51] **Int.Cl. G06F 11/00 (2006.01)**  
[25] EN  
[54] **ASSISTING FAILURE MODE AND EFFECTS ANALYSIS OF A SYSTEM COMPRISING A PLURALITY OF COMPONENTS**  
[54] **ASSISTANCE D'ANALYSE DE MODE DE DEFAILLANCE ET D'EFFETS D'UN SYSTEME COMPORTANT UNE PLURALITE DE COMPOSANTS**  
[72] BELL, JOHN BRIAN, GB  
[72] BOVEY, RICHARD LEE, GB  
[73] BAE SYSTEMS PLC, GB  
[85] 2010-06-09  
[86] 2008-11-26 (PCT/GB2008/051116)  
[87] (WO2009/07776)  
[30] GB (0724593.9) 2007-12-18  
[30] GB (0805464.5) 2008-03-26

[11] **2,709,305**  
[13] C

- [51] **Int.Cl. C07K 16/18 (2006.01) G01N 33/53 (2006.01)**  
[25] EN  
[54] **COMPOSITIONS AND METHODS FOR EARLY PREGNANCY DIAGNOSIS**  
[54] **COMPOSITIONS ET PROCEDES POUR UN DIAGNOSTIC PRECOCE DE GROSSESSE**  
[72] MATHIALAGAN, NAGAPPAN, US  
[72] ROBERTS, R. MICHAEL, US  
[72] MCGRATH, MICHAEL F., US  
[72] GREEN, JONATHAN, US  
[73] THE CURATORS OF THE UNIVERSITY OF MISSOURI, US  
[73] MONSANTO TECHNOLOGY LLC, US  
[85] 2010-06-11  
[86] 2008-12-12 (PCT/US2008/086674)  
[87] (WO2009/076632)  
[30] US (61/013,603) 2007-12-13

[11] **2,712,661**  
[13] C

- [51] **Int.Cl. B62D 55/21 (2006.01)**  
[25] EN  
[54] **TRACK CHAIN JOINT WITH ROTATABLE PIN**  
[54] **JOINT DE CHENILLE A GOUPILLE PIVOTANTE**  
[72] MULLIGAN, PATRICK J., US  
[73] DEERE & COMPANY, US  
[86] (2712661)  
[87] (2712661)  
[22] 2010-08-13  
[30] US (12/548,682) 2009-08-27

[11] **2,713,444**  
[13] C

- [51] **Int.Cl. A21D 15/00 (2006.01) A21D 8/04 (2006.01) A23L 3/005 (2006.01) A23L 3/3463 (2006.01) B65B 25/02 (2006.01) B65B 25/18 (2006.01)**  
[25] EN  
[54] **A METHOD FOR EXTENDING MOLD-FREE SHELF LIFE AND IMPROVING FLAVOR CHARACTERISTICS OF BAKED GOODS**  
[54] **PROCEDE POUR PROLONGER LA DUREE DE CONSERVATION SANS POURRITURE ET AMELIORER LES CARACTERISTIQUES AROMATIQUES DE PRODUITS DE BOULANGERIE ET DE PATISSERIE**  
[72] VAN EIJK, JOHANNES, CA  
[72] CARON, CLIFFORD, CA  
[72] KRAUS, J. KEVIN, US  
[73] LALLEMAND, INC., CA  
[85] 2010-07-27  
[86] 2009-01-28 (PCT/US2009/032240)  
[87] (WO2009/097333)  
[30] US (61/023,968) 2008-01-28  
[30] US (61/023,959) 2008-01-28

[11] **2,714,193**  
[13] C

- [51] **Int.Cl. A61B 17/60 (2006.01)**  
[25] EN  
[54] **EASY TO CLEAN CLAMPING DEVICE**  
[54] **DISPOSITIF DE SERRAGE FACILE A NETTOYER**  
[72] MUERNER, BEAT, CH  
[72] THOMKE, ROLAND, CH  
[72] WIDER, ROBERT, CH  
[73] STRYKER EUROPEAN HOLDINGS I, LLC, US  
[86] (2714193)  
[87] (2714193)  
[22] 2010-08-31  
[30] EP (09 170 105.2) 2009-09-11

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[13] C

[51] **Int.Cl. A61K 31/5383 (2006.01) A61K 31/662 (2006.01) A61P 9/10 (2006.01)**

[25] EN

[54] **USE OF 2,4-PYRIMIDINEDIAMINES FOR THE TREATMENT OF ATHEROSCLEROSIS**

[54] **UTILISATION DE 2,4-PYRIMIDINEDIAMINES POUR LE TRAITEMENT DE L'ATHEROSCLEROSE**

[72] MASUDA, ESTEBAN, US

[72] SCHMITZ, JOCHEN, US

[73] RIGEL PHARMACEUTICALS, INC., US

[85] 2010-08-17

[86] 2009-02-20 (PCT/US2009/034718)

[87] (WO2009/105675)

[30] US (61/030,903) 2008-02-22

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[13] C

[51] **Int.Cl. C07D 239/80 (2006.01) A61K 31/517 (2006.01) A61P 35/00 (2006.01) C07D 401/06 (2006.01) C07D 417/06 (2006.01)**

[25] EN

[54] **QUINAZOLINONE DERIVATIVES AS TUBULIN POLYMERIZATION INHIBITORS**

[54] **DERIVES DE QUINAZOLINONE COMME INHIBITEURS DE LA POLYMERISATION DE LA TUBULINE**

[72] FREYNE, EDDY JEAN EDGARD, BE

[72] MEVELLEC, LAURENCE ANNE, FR

[72] VIALARD, JORGE EDUARDO, BE

[72] MEYER, CHRISTOPHE, FR

[72] PASQUIER, ELISABETH THERESE JEANNE, FR

[72] BOURDREZ, XAVIER MARC, FR

[72] ANGIBAUD, PATRICK RENE, FR

[73] JANSSEN PHARMACEUTICA NV, BE

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[86] 2009-03-26 (PCT/EP2009/053604)

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[30] EP (08153428.1) 2008-03-27

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[11] **2,717,288**  
[13] C

[51] **Int.Cl. C04B 24/26 (2006.01) C08K 3/00 (2006.01) C08K 5/37 (2006.01) C08L 33/04 (2006.01) C08L 45/00 (2006.01)**

[25] EN

[54] **A TWO-COMPONENT MORTAR COMPOSITION SUITABLE FOR CONSTRUCTION PURPOSES, ITS USE AND THE CURED STRUCTURAL OBJECTS OBTAINED THEREBY**

[54] **COMPOSITION DE BETON A DEUX COMPOSANTS POUR LE MARCHE DE LA CONSTRUCTION, UTILISATIONS CONNEXES ET OBJETS STRUCTURELS DURCIS OBTENUS AVEC CELUI-CI**

[72] PFEIL, ARMIN, DE

[73] HILTI AKTIENGESELLSCHAFT, LI

[86] (2717288)

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[22] 2010-10-08

[30] EP (09177429.9) 2009-11-30

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[11] **2,718,357**  
[13] C

[51] **Int.Cl. C07D 313/00 (2006.01) C07H 17/08 (2006.01)**

[25] EN

[54] **HIGHLY PURE PENTAMYCIN**

[54] **PENTAMYCINE TRES PURE**

[72] REUTER, KARL, DE

[72] MEIER, VIKTOR, DE

[72] STOLZ, FLORIAN, DE

[72] KRIMMER, DIETER, CH

[72] WINNINPS, CEES, CH

[73] BIOLOTUS BIOTECHNOLOGY AG, CH

[85] 2010-09-13

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[51] **Int.Cl. C07D 471/20 (2006.01) A61K 31/407 (2006.01) A61K 31/424 (2006.01) A61K 31/437 (2006.01) A61K 31/438 (2006.01) A61K 31/55 (2006.01) A61P 33/02 (2006.01) A61P 33/06 (2006.01) C07D 487/20 (2006.01) C07D 498/22 (2006.01)**

[25] EN

[54] **SPIRO-INDOLE DERIVATIVES FOR THE TREATMENT OF PARASITIC DISEASES**

[54] **DERIVES SPIRO-INDOLES POUR LE TRAITEMENT DE MALADIES PARASITAIRES**

[72] ANG, SHI HUA, SG

[72] KRASTEL, PHILIPP, CH

[72] LEONG, SEH YONG, SG

[72] TAN, LIYING JOCELYN, SG

[72] WONG, WEI LIN JOSEPHINE, SG

[72] YEUNG, BRYAN KS, SG

[72] ZOU, BIN, SG

[73] NOVARTIS AG, CH

[85] 2010-09-22

[86] 2009-04-01 (PCT/EP2009/053902)

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[30] EP (08155342.2) 2008-04-29

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[25] EN

[54] **SWITCHABLE ELECTRICAL POWER SYSTEM**

[54] **SYSTEME D'ALIMENTATION ELECTRIQUE COMMUTABLE**

[72] HAYES, DANIEL L., US

[72] KIRKWOOD, SEAN M., US

[73] GROUP DEKKO INC., US

[86] (2719406)

[87] (2719406)

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[51] **Int.Cl. G03H 1/04 (2006.01) B42D 25/328 (2014.01) B42D 25/373 (2014.01) B42D 25/40 (2014.01) G03H 1/28 (2006.01)**

[25] EN

[54] **SECURITY ELEMENT AND METHOD FOR PRODUCING A SECURITY ELEMENT**

[54] **ELEMENT DE SECURITE ET PROCEDE DE FABRICATION D'UN ELEMENT DE SECURITE**

[72] TOMPKIN, WAYNE ROBERT, CH

[72] LUTZ, NORBERT, DE

[72] BURKHARDT, MARKUS, DE

[72] SCHARFENBERG, MICHAEL, DE

[73] LEONHARD KURZ STIFTUNG & CO. KG, DE

[85] 2010-09-22

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[87] (WO2009/121602)

[30] DE (10 2008 017 652.4) 2008-04-04

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[51] **Int.Cl. B01L 3/02 (2006.01) G01N 1/02 (2006.01) G01N 35/10 (2006.01)**

[25] EN

[54] **SAMPLE PREPARATION DEVICES AND METHODS FOR PROCESSING ANALYTES**

[54] **DISPOSITIFS DE PREPARATION D'ECHANTILLONS ET PROCEDES DE TRAITEMENT D'ANALYTES**

[72] MOTADEL, ARTA, US

[72] MOTADEL, ATA, US

[72] PRESCHUTTI, STANLEY, US

[73] BIOTIX INC., US

[85] 2010-09-27

[86] 2009-03-27 (PCT/US2009/038686)

[87] (WO2009/121032)

[30] US (61/113,522) 2008-11-11

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[13] C

[51] **Int.Cl. H04L 9/32 (2006.01) G06Q 50/32 (2012.01) H04L 12/16 (2006.01)**

[25] EN

[54] **RULE-BASED CONTENT REQUEST HANDLING**

[54] **GESTION DE DEMANDE DE CONTENU BASEE SUR DES REGLES**

[72] HOPKINS, BILL, US

[72] HIGGINS, STEVEN P., US

[72] REISFELD, DAVID, US

[72] WANG, JIN-GEN, US

[73] LEVEL 3 COMMUNICATIONS, LLC, US

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[86] 2009-04-09 (PCT/US2009/040107)

[87] (WO2009/126829)

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[13] C

[51] **Int.Cl. F16L 23/036 (2006.01) F16B 37/04 (2006.01) F16B 39/282 (2006.01)**

[25] EN

[54] **FLANGE ASSEMBLY WITH IMPROVED SERVICEABILITY**

[54] **ENSEMBLE A BRIDE PRESENTANT UNE FONCTIONNALITE AMELIOREE**

[72] DEAN, STEPHEN W., CA

[72] SINGH, SATNAM, CA

[72] VASUDEVA, KAILASH C., CA

[73] SPECIALTY INNOVATION AND MANUFACTURING LIMITED, CA

[85] 2010-10-04

[86] 2009-04-06 (PCT/CA2009/000439)

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[30] US (61/042,364) 2008-04-04

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[11] **2,721,012**  
[13] C

[51] **Int.Cl. H01F 3/02 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING A TRANSFORMER CORE AND A TRANSFORMER CORE**

[54] **PROCEDE DE FABRICATION D'UN NOYAU DE TRANSFORMATEUR ET NOYAU DE TRANSFORMATEUR**

[72] NAVARRO, MARTIN ALSINA, BR

[72] SORG, FRITZ, DE

[73] SIEMENS AKTIENGESELLSCHAFT, DE

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[13] C

[51] **Int.Cl. H04N 7/08 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR REDUCING PAPER OF PREAMBLE SIGNAL IN DIGITAL BROADCASTING SYSTEM**

[54] **APPAREIL ET PROCEDE POUR REDUIRE UN PAPER DE SIGNAL DE PREAMBULE DANS UN SYSTEME DE DIFFUSION NUMERIQUE**

[72] YUN, SUNG-RYUL, KR

[72] KWON, HWAN-JOON, KR

[72] KIM, JAE-YOEL, KR

[72] LIM, YEON-JU, KR

[72] LEE, HAK-JU, KR

[72] JEONG, HONG-SIL, KR

[72] MYUNG, SEHO, KR

[73] SAMSUNG ELECTRONICS CO., LTD., KR

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[30] KR (10-2008-0039137) 2008-04-28

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[13] C

[51] **Int.Cl. C07K 14/655 (2006.01) C07K 7/06 (2006.01)**  
[25] EN  
[54] **SOMATOSTATIN RECEPTOR 2 ANTAGONISTS**  
[54] **ANTAGONISTES DU RECEPTEUR DE SOMATOSTATINE DE TYPE 2**  
[72] RIVIER, JEAN E. F., US  
[72] ERCHEGYI, JUDIT, US  
[72] REUBI, JEAN CLAUDE, CH  
[72] MAECKE, HELMUT R., CH  
[73] SALK INSTITUTE FOR BIOLOGICAL STUDIES, US  
[73] UNIVERSITAT BERN, CH  
[73] UNIVERSITY HOSPITAL BASEL, CH  
[85] 2010-10-14  
[86] 2009-04-15 (PCT/US2009/040672)  
[87] (WO2009/129311)  
[30] US (12/104,318) 2008-04-16

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[13] C

[51] **Int.Cl. G06Q 30/02 (2012.01) G06F 3/14 (2006.01) H04L 12/16 (2006.01)**  
[25] EN  
[54] **INTERACTIVE PLACEMENT ORDERING**  
[54] **ORDONNANCEMENT DE PLACEMENT INTERACTIF**  
[72] HICKMAN, RYAN, US  
[73] GOOGLE INC., US  
[85] 2010-10-15  
[86] 2009-04-15 (PCT/US2009/040694)  
[87] (WO2009/129324)  
[30] US (12/104,117) 2008-04-16

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[13] C

[51] **Int.Cl. C07D 333/40 (2006.01) A61K 31/216 (2006.01) A61K 31/381 (2006.01) A61K 31/5375 (2006.01) A61K 31/5377 (2006.01) A61P 17/14 (2006.01) C07C 69/734 (2006.01) C07D 295/088 (2006.01)**  
[25] EN  
[54] **SUBSTITUTED ARYLCYCLOPENTENES AS THERAPEUTIC AGENTS**  
[54] **ARYLCYCLOPENTENES SUBSTITUES EN TANT QU'AGENTS THERAPEUTIQUES**  
[72] OLD, DAVID W., US  
[72] NGO, VINH X., US  
[73] ALLERGAN, INC., US  
[85] 2010-10-22  
[86] 2009-04-22 (PCT/US2009/041394)  
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[13] C

[51] **Int.Cl. F24C 7/08 (2006.01) F24C 7/02 (2006.01) H05B 6/68 (2006.01)**  
[25] EN  
[54] **ENERGY MANAGEMENT OF HOUSEHOLD APPLIANCES**  
[54] **GESTION D'ENERGIE D'APPAREILS ELECTROMENAGERS**  
[72] BESORE, JOHN K., US  
[72] FINCH, MICHAEL F., US  
[72] VENKATAKRISHNAN, NATARAJAN, US  
[72] NOLD, CRAIG, US  
[72] DRAKE, JEFF DONALD, US  
[72] LITTLE, DERRICK DOUGLAS, US  
[73] HAIER US APPLIANCE SOLUTIONS, INC., US  
[85] 2010-10-29  
[86] 2009-09-15 (PCT/US2009/056913)  
[87] (WO2010/031028)  
[30] US (61/097,082) 2008-09-15

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[13] C

[51] **Int.Cl. H02J 3/00 (2006.01) G08C 17/02 (2006.01) H02J 13/00 (2006.01)**  
[25] EN  
[54] **MANAGEMENT CONTROL OF HOUSEHOLD APPLIANCES USING RFID COMMUNICATION**  
[54] **COMMANDE DE GESTION D'APPAREILS ELECTROMENAGERS A L'AIDE D'UNE COMMUNICATION RFID**  
[72] SCHORK, BRIAN MICHAEL, US  
[72] BESORE, JOHN K., US  
[72] VENKATAKRISHNAN, NATARAJAN, US  
[72] ILICKOVIC, DARKO, US  
[73] HAIER US APPLIANCE SOLUTIONS, INC., US  
[85] 2010-10-29  
[86] 2009-09-15 (PCT/US2009/056878)  
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[13] C

[51] **Int.Cl. H02H 5/12 (2006.01)**  
[25] EN  
[54] **SHOCK PROOF DEVICES AND METHODS**  
[54] **DISPOSITIFS RESISTANT AUX CHOC ET PROCEDES**  
[72] CRUZ, PAUL, US  
[73] INTERNATIONAL SAFETY & DEVELOPMENT, LLC, US  
[85] 2010-11-03  
[86] 2009-04-01 (PCT/US2009/039210)  
[87] (WO2009/124149)  
[30] US (61/041,895) 2008-04-02  
[30] US (12/100,384) 2008-04-09

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[11] **2,723,517**  
[13] C

- [51] **Int.Cl. C07D 301/10 (2006.01)**  
[25] EN  
[54] **A PROCESS FOR THE START-UP OF AN EPOXIDATION PROCESS, A PROCESS FOR THE PRODUCTION OF ETHYLENE OXIDE, A 1,2-DIOL, A 1,2-DIOL ETHER, A 1,2-CARBONATE, OR AN ALKANOLAMINE**
- [54] **PROCEDE POUR LE DEMARRAGE D'UN PROCEDE D'EPOXYDATION, PROCEDE POUR LA FABRICATION D'OXYDE D'ETHYLENE, D'UN 1,2-DIOL, D'UN ETHER DE 1,2-DIOL, D'UN 1,2-CARBONATE OU D'UNE ALKANOLAMINE**
- [72] MATUSZ, MAREK, US  
[72] MCALLISTER, PAUL MICHAEL, US  
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL  
[85] 2010-11-04  
[86] 2009-05-05 (PCT/US2009/042765)  
[87] (WO2009/137427)  
[30] US (61/051,348) 2008-05-07

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[13] C

- [51] **Int.Cl. B42D 1/00 (2006.01) G09B 5/00 (2006.01)**  
[25] EN  
[54] **A RESPONSIVE BOOK SYSTEM AND METHOD THEREFOR**
- [54] **SYSTEME DE LIVRE INTERACTIF ET PROCEDE ASSOCIE**
- [72] BINYAMIN, MOSHE, IL  
[73] E.V.T.T LTD., IL  
[85] 2010-11-04  
[86] 2009-02-24 (PCT/IL2009/000205)  
[87] (WO2009/136390)  
[30] US (61/051,021) 2008-05-07

[11] **2,724,236**  
[13] C

- [51] **Int.Cl. G01N 29/44 (2006.01) G01N 29/04 (2006.01) G01N 29/32 (2006.01)**  
[25] EN  
[54] **ULTRASONIC MODELLING**
- [54] **MODELISATION PAR ULTRASONS**
- [72] VOLKER, ARNO WILLEM FREDERIK, NL  
[72] MAST, ARJAN, NL  
[72] BLOOM, JOOST GERARDUS PETRUS, NL  
[72] VAN BEEK, PIETER JACOBUS GIJSBERTUS, NL  
[73] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL  
[85] 2010-11-12  
[86] 2009-05-13 (PCT/NL2009/050254)  
[87] (WO2009/139627)  
[30] EP (08156074.0) 2008-05-13  
[30] EP (08164292.8) 2008-09-12

[11] **2,724,278**  
[13] C

- [51] **Int.Cl. B42D 25/23 (2014.01) B42D 25/309 (2014.01) B42D 25/378 (2014.01)**  
[25] EN  
[54] **PERSONALIZING ID DOCUMENT IMAGES**
- [54] **PERSONNALISATION D'IMAGES DANS UN DOCUMENT D'IDENTITE**
- [72] JONES, ROBERT, US  
[72] ANDELIN, VICTOR L., US  
[72] BI, DAOSHEN, US  
[73] L-1 SECURE CREDENTIALING, INC., US  
[85] 2010-11-12  
[86] 2009-06-18 (PCT/US2009/047823)  
[87] (WO2009/155437)  
[30] US (12/141,800) 2008-06-18

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[25] EN  
[54] **ANTI-IL-6/IL-6R ANTIBODIES AND METHODS OF USE THEREOF**
- [54] **ANTICORPS ANTI-IL-6/IL-6R ET PROCEDES D'UTILISATION**
- [72] FERLIN, WALTER, FR  
[72] KOSCO-VILBOIS, MARIE, FR  
[72] ELSON, GREG, FR  
[72] LEGER, OLIVIER, FR  
[72] GUILHOT, FLORENCE, FR  
[73] NOVIMMUNE S.A., CH  
[85] 2010-11-12  
[86] 2009-05-13 (PCT/US2009/043734)  
[87] (WO2009/140348)  
[30] US (61/194,156) 2008-09-25  
[30] US (61/127,403) 2008-05-13

[11] **2,725,277**  
[13] C

- [51] **Int.Cl. B26F 3/00 (2006.01) B23K 26/36 (2014.01) B23K 26/38 (2014.01) B23Q 16/00 (2006.01) B24C 1/04 (2006.01)**  
[25] EN  
[54] **METHOD FOR CUTTING A MATERIAL LAYER BY MEANS OF A CUTTING BEAM**
- [54] **METHODE DE COUPE D'UNE COUCHE DE MATERIAU AU MOYEN D'UN FAISCEAU DE COUPE**
- [72] MAURER, WALTER, CH  
[73] MICROWATERJET AG, CH  
[86] (2725277)  
[87] (2725277)  
[22] 2010-12-14  
[30] CH (01937/09) 2009-12-17

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[13] C

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[25] FR  
[54] **FOAMING DECONTAMINATING  
AQUEOUS SOLUTION**  
[54] **SOLUTION AQUEUSE  
DECONTAMINANTE ET  
MOUSSANTE**  
[72] GOFFINET, PIERRE, FR  
[73] COMMISSARIAT A L'ENERGIE  
ATOMIQUE ET AUX ENERGIES  
ALTERNATIVES, FR  
[85] 2010-11-22  
[86] 2009-05-26 (PCT/FR2009/050973)  
[87] (WO2009/153495)  
[30] FR (0853437) 2008-05-27

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38/17 (2006.01) A61K 47/36 (2006.01)  
A61P 37/00 (2006.01)**  
[25] FR  
[54] **NANOPARTICLES CONTAINING  
A PEPTIDE, VECTORS  
CONTAINING THE SAME AND  
PHARMACEUTICAL USES OF  
SAID NANOPARTICLES AND  
SAID VECTORS**  
[54] **NANOPARTICULES CONTENANT  
UN PEPTIDE, VECTEURS LES  
CONTENANT ET UTILISATIONS  
PHARMACEUTIQUES DESDITS  
NANOPARTICULES ET  
VECTEURS**  
[72] DANICHER, LOUIS, FR  
[72] FRERE, YVES, FR  
[72] MULLER, SYLVIANE, FR  
[72] WAWREZINIECK, ANNE, FR  
[73] CENTRE NATIONAL DE LA  
RECHERCHE SCIENTIFIQUE  
(C.N.R.S.), FR  
[73] UNIVERSITE DE STRASBOURG, FR  
[85] 2010-11-17  
[86] 2009-05-20 (PCT/FR2009/050944)  
[87] (WO2009/150371)  
[30] FR (08 53264) 2008-05-20

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[25] EN  
[54] **AN EFFICIENT LOCATION  
REFERENCING METHOD**  
[54] **PROCEDE DE REFERENCEMENT  
DE LOCALISATION EFFICACE**  
[72] PETZOLD, LARS, DE  
[72] SCHAEFER, RALF-PETER, DE  
[72] BASELAU, SVEN, DE  
[73] TOMTOM INTERNATIONAL B.V.,  
NL  
[85] 2010-11-24  
[86] 2009-06-29 (PCT/EP2009/058131)  
[87] (WO2010/000707)  
[30] US (61/129,491) 2008-06-30  
[30] US (61/193,027) 2008-10-22

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[11] **2,725,994**  
[13] C

[51] **Int.Cl. F03B 13/18 (2006.01)**  
[25] EN  
[54] **WEC WITH IMPROVED POWER  
TAKE OFF APPARATUS**  
[54] **CONVERTISSEUR D'ENERGIE  
HOULOMOTRICE (WEC) A  
DISPOSITIF DE PRISE DE FORCE  
AMELIORE**  
[72] CHI, WEI-MING, US  
[72] HART, PHILIP R., US  
[73] OCEAN POWER TECHNOLOGIES,  
INC., US  
[85] 2010-11-25  
[86] 2010-03-29 (PCT/US2010/000933)  
[87] (WO2010/117414)  
[30] US (61/211,439) 2009-03-30  
[30] US (61/211,440) 2009-03-30

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[13] C

[51] **Int.Cl. H04L 12/24 (2006.01) G06Q  
50/32 (2012.01) H04L 12/18 (2006.01)**  
[25] EN  
[54] **METHOD, APPARATUS, SYSTEM,  
AND ARTICLE OF  
MANUFACTURE FOR RELIABLE  
LOW-BANDWIDTH  
INFORMATION DELIVERY  
ACROSS MIXED-MODE UNICAST  
AND MULTICAST NETWORKS**  
[54] **METHODE, APPAREIL, SYSTEME  
ET ARTICLE MANUFACTURE  
FOURNISSANT DES  
INFORMATIONS FIABLES SUR  
FAIBLE LARGEUR DE BANDE  
VIA DES RESEAUX UNI ET  
MULTIDIFFUSION EN MODE  
MIXTE**  
[72] CLACK, DERICK J., US  
[72] VERGATO, BRYAN D., US  
[72] BERTOGLIO, MARK D., US  
[72] BOTHA, SHAUN, US  
[72] BUCHWALTER, EDWARD E., US  
[72] RAVA, GUILLAUME F., US  
[72] BOGART, THOMAS RICHARD, US  
[72] PASSINSKY, MICHAEL A., US  
[72] KIRYANOV, YURI, US  
[73] TWISTED PAIR SOLUTIONS, INC.,  
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[85] 2010-12-03  
[86] 2009-06-30 (PCT/US2009/049181)  
[87] (WO2010/002844)  
[30] US (61/077,413) 2008-07-01  
[30] US (61/101,466) 2008-09-30

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[11] **2,727,123**  
[13] C

[51] **Int.Cl. C11D 3/20 (2006.01) C11D  
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[73] JELMAR LLC, US  
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[73] AVENT, INC., US  
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[25] EN  
[54] **METHOD AND PLANT FOR THE TREATMENT OF WASTEWATER WITH A VIEW TO ELIMINATING THE ADVERSE ENDOCRINE EFFECT AND/OR THE TOXIC OR GENOTOXIC EFFECT THEREOF**  
[54] **PROCEDE ET INSTALLATION DE TRAITEMENT DES EAUX RESIDUAIRES EN VUE D'EN ABATTRE L'EFFET PERTURBATEUR ENDOCRINIEN ET/OU L'EFFET TOXIQUE OU GENOTOXIQUE**  
[72] CASTILLO RIVERA, LUIS, FR  
[72] FELIERS, CEDRIC, CN  
[72] MARTIN, FLORENCIO, FR  
[73] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT, FR  
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[54] **METHOD FOR DESIGNING AN ANTERIOR CURVE OF A CONTACT LENS**  
[54] **METHODE DE CONCEPTION D'UNE COURBURE DE LA FACE ANTERIEURE D'UNE LENTILLE DE CONTACT**  
[72] REHSE, DENIS, US  
[73] UNILENS CORP. USA, US  
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[72] NIEVIEROWSKI, JOHN A., US  
[72] MASLAK, PATRICIA M., US  
[72] STRASSER, WALTER J., US  
[72] MAST, LUKE A., US  
[72] BEUERLE, FREDERICK C., US  
[73] AMCOR LIMITED, AU  
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[54] **STABILIZER AND VACCINE COMPOSITION COMPRISING ONE OR MORE LIVE ATTENUATED FLAVIVIRUSES**  
[54] **STABILISATEUR ET COMPOSITION VACCINALE RENFERMANT UN OU PLUSIEURS FLAVIVIRUS VIVANTS ATTENUES**  
[72] FRANCON, ALAIN, FR  
[72] BRASS, OLIVIER, FR  
[72] CHOUVENC, PIERRE, US  
[72] LELEU, AMANDINE, FR  
[73] SANOFI PASTEUR, FR  
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[54] **USE OF INDOLE DERIVATIVES AS NURR-1 ACTIVATORS FOR TREATING PARKINSON'S DISEASE**  
[54] **UTILISATION DE DERIVES D'INDOLE COMME ACTIVATEURS DE NURR-1, POUR LE TRAITEMENT DE LA MALADIE DE PARKINSON**  
[72] BOUBIA, BENAISSA, FR  
[72] VAN VLIET, BERNARD JOHANNES, NL  
[72] DEN HARTOG, JACOBUS ANTONIUS JOSEPH, NL  
[72] MCCREARY, ANDREW, NL  
[72] TALLANDIER, MIREILLE, FR  
[72] VAN DONGEN, MARIA JOHANNA PETRONELLA, NL  
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[54] **FOSAPREPITANT DIMEGLUMINE INTERMEDIATE, NEUTRAL FOSAPREPITANT, AND AMORPHOUS FOSAPREPITANT DIMEGLUMINE AND PROCESSES FOR THEIR PREPARATIONS**

[54] **INTERMEDIAIRE DE FOSAPREPITANT DIMEGLUMINE, FOSAPREPITANT NEUTRE ET FOSAPREPITANT DIMEGLUMINE AMORPHE ET SES PROCEDES DE PREPARATION**

[72] GANESHBHATT, NAVIN, IN  
[72] RASIKLALTRIVEDI, NIKHIL, IN  
[72] KHEDEKAR, MAHESH, IN  
[72] SINHA, SUKUMAR, IN  
[72] AHMED KHAN, MUBEEN, IN  
[72] YADAV, RAMJILAL, IN  
[73] GLENMARK GENERICS LIMITED, IN  
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[54] **COMBINAISONS ANTI-ALLERGENES DE SELS DE CALCIUM ET DE LANTHANE**

[72] BYLEMANS, DANY LEOPOLD JOZEFIEN, BE  
[73] JANSSEN PHARMACEUTICA NV, BE  
[85] 2011-01-13  
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[54] **IMAGE ANALYSIS SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE D'ANALYSE D'IMAGE**

[72] NG SING KWONG, JEFFREY, GB  
[72] FIELDER, ALISTAIR RICHARD, GB  
[72] WILSON, CLARE MARGARET, GB  
[73] UCL BUSINESS PLC, GB  
[85] 2011-01-20  
[86] 2009-07-22 (PCT/GB2009/001822)  
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[25] FR  
[54] **ELECTOLESS METHOD FOR IN-LINE METALLIZATION OF SUBSTRATES BY SPRAYING THEM, WITH PRIOR SURFACE TREATMENT AND DEVICE FOR IMPLEMENTING THE METHOD**

[54] **PROCEDE NON ELECTROLYTIQUE DE METALLISATION EN LIGNE DE SUBSTRATS PAR PROJECTION AVEC TRAITEMENT DE SURFACE PREALABLE ET DISPOSITIF POUR LA MISE EN OEUVRE DU PROCEDE**

[72] STREMSDOERFER, SAMUEL, FR  
[73] JET METAL TECHNOLOGIES, FR  
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[54] **POSITIONING DEVICE AND METHOD WITH ROTARY INDEXING TABLE FOR MONOLITH-BASED AUTOMOBILE AND CHEMICAL CATALYSTS**

[54] **DISPOSITIF ET PROCEDE DE POSITIONNEMENT AVEC UNE TABLE D'INDEXAGE ROTATIVE POUR DES CATALYSEURS POUR AUTOMOBILE ET CHIMIQUES A BASE DE MONOLITHE**

[72] SCHMITZ, KAI, DE  
[72] SCHULZ, ANDREAS, DE  
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[85] 2011-01-20  
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[54] **CONTROLLED EXOTHERM OF CYANOACRYLATE FORMULATIONS**

[54] **DEGAGEMENT DE CHALEUR REGULE POUR DES FORMULATIONS DE CYANOACRYLATE**

[72] BADEJO, IBRAHEEM T., US  
[72] RIVERA, ANDRES, US  
[72] VANDER KLOK, MELANIE, US  
[73] ETHICON, INC., US  
[85] 2011-01-27  
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- [25] EN
- [54] **PROCESS FOR INCREASING THE TRANSPORT FLOW RATE OF OIL FROM PRODUCING WELLS BY INJECTION OF POLYMER IN AN EMULSION INTO A PIPELINE**
- [54] **PROCEDE DESTINE A AUGMENTER LE FLUX DE CIRCULATION DU TRANSPORT DE PETROLE DES Puits DE PRODUCTION PAR INJECTION DE POLYMERE DANS UNE EMULSION DANS UN PIPELINE**
- [72] KIEFFER, JACQUES, FR
- [73] S.P.C.M. SA, FR
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- [22] 2011-02-24
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- [25] EN
- [54] **ELECTRIC DIPOLE TRANSMISSION SYSTEM**
- [54] **SYSTEME DE TRANSMISSION A DIPOLE ELECTRIQUE**
- [72] ROZENBLIT, VLAD, US
- [72] BURYAKOVSKY, VADIM, US
- [72] FITERMAN, EUGENE, US
- [72] GOODMAN, WILLIAM, US
- [73] ROZENBLIT, VLAD, US
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- [86] 2009-08-07 (PCT/US2009/004529)
- [87] (WO2010/016926)
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- [25] EN
- [54] **APPARATUS AND METHODS FOR RETRIEVING AN OBJECT FROM A BODY PASSAGE**
- [54] **APPAREIL ET PROCEDES POUR RECUPERER UN OBJET DEPUIS UN PASSAGE CORPOREL**
- [72] MERRIFIELD, BENJAMIN F., US
- [73] UNITED STATES ENDOSCOPY GROUP, INC., US
- [85] 2011-02-09
- [86] 2009-08-13 (PCT/US2009/053719)
- [87] (WO2010/019776)
- [30] US (61/088,848) 2008-08-14

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- [72] DUTTON, JAMES, E., US
- [72] MORRISON, JAMES MICHAEL, US
- [72] CASEY, JAMES BURTON, JR., US
- [72] ARBILLA, LAURA, US
- [73] CARINGO, INC., US
- [85] 2011-02-17
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- [25] EN
- [54] **PROCESS FOR THE PREPARATION OF (3R,3AS,6AR)-HEXAHYDROFURO [2,3-B] FURAN-3-YL (1S,2R)-3-[[[(4-AMINOPHENYL) SULFONYL] (ISOBUTYL) AMINO]-1-BENZYL-2-HYDROXYPROPYLCARBAMATE**
- [54] **PROCEDE DE PREPARATION DU COMPOSE (3R,3AS,6AR)-HEXAHYDROFURO[2,3-B]FURAN-3-YL(1S,2R)-3-[[[(4-AMINOPHENYL) SULFONYL](ISOBUTYL)AMINO]-1-BENZYL-2-HYDROXYPROPYLCARBAMATE**
- [72] WIGERINCK, PIET TOM BERT PAUL, BE
- [72] SURLERAUX, DOMINIQUE LOUIS NESTOR GHISLAIN, BE
- [72] VERSCHUEREN, WIM GASTON, BE
- [72] DE KOCK, HERMAN AUGUSTINUS, BE
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- [73] JANSSEN SCIENCES IRELAND UC, IE
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- [25] EN
- [54] **SYSTEM AND METHOD FOR REMOVING PDCCH DETECTION ERRORS IN A TELECOMMUNICATIONS NETWORK**
- [54] **SYSTEME ET PROCEDE DE SUPPRESSION D'ERREURS DE DETECTION DE CANAUX PDCCH DANS UN RESEAU DE TELECOMMUNICATIONS**
- [72] CHENG, JUNG-FU, US
- [73] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL), SE
- [85] 2011-02-18
- [86] 2009-08-19 (PCT/IB2009/006594)
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[54] **INPUT/OUTPUT MODULE FOR BUILDING AUTOMATION SYSTEM WITH MOUNTING PLATE**

[54] **MODULE D'ENTREE/SORTIE POUR SYSTEME IMMOTIQUE AVEC PLAQUE DE MONTAGE**

[72] HAMILTON, STEVE R., US  
[72] STROZEWSKI, MICHAEL B., US  
[72] WANG, JIAN FANG, CN  
[72] ZHANG, YUAN, CN  
[73] SIEMENS INDUSTRY, INC., US  
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[13] C

[51] **Int.Cl. G01G 3/14 (2006.01) G01G 23/01 (2006.01) G01L 25/00 (2006.01)**

[25] EN  
[54] **METHOD OF MONITORING A FORCE-MEASURING DEVICE, FORCE-MEASURING DEVICE AND FORCE-MEASURING MODULE**

[54] **PROCEDE POUR CONTROLER L'ETAT D'UN DISPOSITIF DE MESURE DE FORCE, DISPOSITIF DE MESURE DE FORCE ET MODULE DE MESURE DE FORCE**

[72] TRAUTWEILER, CHRISTOPH, CH  
[73] METTLER-TOLEDO GMBH, DE  
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[86] 2009-08-28 (PCT/EP2009/061158)  
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[54] **AGENT FOR TREATING MYELOFIBROSIS**

[54] **AGENT DE TRAITEMENT D'UNE MYELOFIBROSE**

[72] NIITSU, YOSHIRO, JP  
[72] MATSUNAGA, TAKUYA, JP  
[73] NITTO DENKO CORPORATION, JP  
[85] 2011-02-28  
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[13] C

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[25] EN  
[54] **EFFICIENT WET STARCH PREPARATION SYSTEM FOR GYPSUM BOARD PRODUCTION**

[54] **SYSTEME EFFICACE DE PREPARATION D'AMIDON HUMIDE POUR LA FABRICATION DE PANNEAUX DE GYPSE**

[72] YU, QIANG, US  
[72] SCHENCK, RON, US  
[72] DIGENNARO, SALVATORE, US  
[72] FOLSON, STEPHEN, US  
[72] HENRY, KEVIN, US  
[72] GUINED, TIM, US  
[73] UNITED STATES GYPSUM COMPANY, US  
[85] 2011-03-04  
[86] 2009-08-28 (PCT/US2009/055383)  
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[54] **MONOMAST FOR A MATERIALS HANDLING VEHICLE**

[54] **MAT UNIQUE POUR VEHICULE DE MANUTENTION DE MATERIAUX**

[72] BILLGER, STEVEN C., US  
[72] EILERMAN, ROBERT L., US  
[72] GILLILAND, KEVIN A., US  
[72] HANSON, ERIC J., US  
[72] HEIDEMANN, WILLIAM J., US  
[72] HENSHAW, ROBERT J., US  
[72] KUCK, JAY L., US  
[72] POLLACK, JAY G., US  
[72] REKOW, CRAIG J., US  
[72] RUPPERT, ADAM M., US  
[72] WALTZ, LUCAS B., US  
[73] CROWN EQUIPMENT CORPORATION, US  
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[86] 2009-09-10 (PCT/US2009/056534)  
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[30] US (61/096,749) 2008-09-12  
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[54] **FORK CARRIAGE APPARATUS FOR A MATERIALS HANDLING VEHICLE**

[54] **APPAREIL DE TRANSPORT A FOURCHE DESTINE A UN VEHICULE DE MANUTENTION DE MATERIAUX**

[72] KUCK, JAY L., US  
[72] WENTE, LEE M., US  
[73] CROWN EQUIPMENT CORPORATION, US  
[85] 2011-03-07  
[86] 2009-09-10 (PCT/US2009/056543)  
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- [25] EN
- [54] **LIGHT EMITTING DIODE (LED) ROADWAY LIGHTING FIXTURE**
- [54] **DISPOSITIF D'ECLAIRAGE ROUTIER A DIODES ELECTROLUMINESCENTES (DEL)**
- [72] CARTMILL, CHARLES ANDREW, CA
- [72] DURDLE, MATTHEW FRANCIS, CA
- [72] JOSEFOWICZ, JACK YITZHAK, CA
- [73] LED ROADWAY LIGHTING LTD., CA
- [85] 2011-03-08
- [86] 2009-09-15 (PCT/CA2009/001283)
- [87] (WO2010/028509)
- [30] US (61/097,211) 2008-09-15
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- [25] EN
- [54] **MEDICAL DEVICE WITH CONTROLLABLY RELEASABLE ANTIBACTERIAL AGENT**
- [54] **DISPOSITIF MEDICAL COMPORTANT UN AGENT ANTIBACTERIEN A LIBERATION CONTROLEE**
- [72] NYMAN, MARTIN, SE
- [72] NORDHOLM, AGNETA, SE
- [72] WESTMAN, EVA-HELENA, SE
- [73] ASTRA TECH AB, SE
- [85] 2011-03-10
- [86] 2009-10-09 (PCT/EP2009/063188)
- [87] (WO2010/043565)
- [30] EP (08166578.8) 2008-10-14
- [30] US (61/105,278) 2008-10-14

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[13] C

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- [25] EN
- [54] **PROTEASE INHIBITORS**
- [54] **INHIBITEURS DE PROTEASES**
- [72] ODEN, LOURDES SALVADORE, SE
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- [54] **PROCEDE PERMETTANT DE LIMITER LE PAS DE PALES**
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- [72] RAPP, RONALD W., US
- [73] GE AVIATION SYSTEMS LLC, US
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- [54] **ASSISTANCE A LA MISE A JOUR D'UN MODELE POUR DIAGNOSTIQUER LES DEFAILLANCES DANS UN SYSTEME**
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- [72] SENALP, ERDEM TURKER, GB
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- [73] STRYKER EUROPEAN HOLDINGS I, LLC, US
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[72] TIRTOWIDJOJO, MAX MARKUS, US  
[72] HIRSEKORN, KURT FREDERICK, US  
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[73] HILL PHOENIX, INC., US  
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[72] BOITER, MIHAI, US  
[73] DEN-MAT HOLDINGS, LLC, US  
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[54] **DISPOSITIF CONTENANT UN CATHETER, PANSEMENT POUR CATHETER ET KIT RENFERMANT L'UN ET L'AUTRE**  
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[73] EMODIAL S.R.L., IT  
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[54] **TERMINAL RADIO, STATION DE BASE RADIO, PROCEDE DE FORMATION DE SIGNAUX DE CANAL ET PROCEDE DE RECEPTION DE SIGNAUX DE CANAL**  
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[54] **APPAREIL DE BRULEUR A GAZ A PREMELANGE**

[72] BARDUCA, LORIS, IT

[72] CALORE, STEFANO, IT

[72] PULZATO, DANILO, IT

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

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[54] **ENSEMBLE D'AIGUILLE DE STYLET POUR INJECTION INTRADERMIQUE DE MEDICAMENT**

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[73] BECTON, DICKINSON AND COMPANY, US

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[73] BIOTECHNOLOGY INSTITUTE, I MAS D, S.L., ES

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[72] GOEDEGEBUUR, FRITS, US

[72] POULOSE, AYROOKARAN J., US

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[54] **LAVE-VAISSELLE ET RESERVOIR A EAU CONCU POUR UN LAVE-VAISSELLE**

[72] BARI, ELISABETTA, SE

[72] SZCZEPANOWSKI, ADAM, SE

[72] OLSON, NIKLAS, SE

[72] FOERSTER, SARAH, SE

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[54] **MELANGEUR DOTE D'UN RECIPIENT DE MELANGE ROTATIF**

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[72] WOERNER, WOLFGANG, DE

[73] MASCHINENFABRIK GUSTAV EIRICH GMBH & CO. KG, DE

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[54] **STOCKAGE D'ENERGIE ELECTRIQUE INTEGRE DANS OU PROCHE D'ACTIONNEURS DE COMMANDE DE VOL ELECTRIQUEMENT**

[72] HUANG, HAO, US

[72] KARIPIDES, DAVID DIMITRI, US

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[54] **UTILISATION D'UNE MESSAGERIE VOCALE AMELIOREE PAR PREVISUALISATION D'UNE MESSAGERIE VOCALE AUTOMATIQUE**  
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[72] HEROLD, KEITH, US  
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[72] NOTARIO, DAVID, US  
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[72] VISCOMI, GIUSEPPE CLAUDIO, IT  
[72] CAMPANA, MANUELA, IT  
[72] FOLEGATTI, MAHENA, IT  
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[54] **APPAREILS, SYSTEMES ET PROCEDES DE TUBES DE COLLECTE**  
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[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
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[72] PANDEY, VIDHU SHEKHAR, US  
[72] CLEMENTS, JEFFREY DONALD, US  
[72] LEE, CHING-PANG, US  
[73] GENERAL ELECTRIC COMPANY, US  
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[54] **PROCEDE AMELIORE D'HYDROGENATION D'ALKYL ESTER(S) EN PRESENCE DE MONOXYDE DE CARBONE**  
[72] DANIEL, BERIAN JOHN, GB  
[72] DEELEY, JON MICHAEL STEWART, GB  
[72] GRACEY, BENJAMIN PATRICK, GB  
[72] SUNLEY, JOHN GLENN, GB  
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[54] **CASSE-TETE A POLYCUBES DE COMPLEXITE REPARTIE OU SIMPLE POUR CONSTRUIRE UN CUBE ET D'AUTRES FORMES**  
[72] LOVELAND, DAMIEN G., CA  
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[54] **PROCESSES AND INTERMEDIATES FOR PREPARING A MACROCYCLIC PROTEASE INHIBITOR OF HCV**  
[54] **PROCEDES ET INTERMEDIAIRES POUR PREPARER UN INHIBITEUR MACROCYCLIQUE DE PROTEASE DU VHC**  
[72] HORVATH, ANDRAS, BE  
[72] ORMEROD, DOMINIC JOHN, BE  
[72] DEPRE, DOMINIQUE PAUL MICHEL, BE  
[72] CERPENTIER, VERONIQUE, BE  
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[73] 3M INNOVATIVE PROPERTIES COMPANY, US  
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[54] **A SYSTEM AND METHOD FOR COPYING SETTINGS OF A DEVICE TO ANOTHER DEVICE, PARTICULARLY FOR COPYING SETTINGS BETWEEN LAMPS**  
[54] **SYSTEME ET PROCEDE PERMETTANT DE COPIER LES REGLAGES D'UN DISPOSITIF ET DE LES TRANSMETTRE A UN AUTRE, EN PARTICULIER LES REGLAGES DES APPAREILS D'ECLAIRAGE**  
[72] DADLANI MAHTANI, PAVANKUMAR M., NL  
[72] VAN HERK, ROBERT, NL  
[73] PHILIPS LIGHTING HOLDING B.V., NL  
[85] 2011-06-06  
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[54] **DISPOSITIF POUR TRANSMETTRE UN COUPLE A UN FOUR TUBULAIRE ROTATIF**  
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[72] CHICHERY, LAURENT, FR  
[73] HOLCIM TECHNOLOGY LTD., CH  
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[54] **SYSTEMES ET PROCEDES DE MODIFICATION D'ETAT DE SERVICE DE ZONES DE LIVRAISON GEOGRAPHIQUES POUR DES TRANSPORTEURS**  
[72] JOHNSON, JERRY M., US  
[72] GOLDBABER, LYNN SHAINDELL, US  
[72] DIETZ, JOHN MCNIEL, US  
[72] SMITH, WILLIAM WARD, III, US  
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[54] **COUVERCLE DE SILO A GRAINS**  
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[54] **UTILISATION DE BARYTE ET DE FIBRES DE CARBONE DANS DES DISPOSITIFS DE PERFORATION**  
[72] KING, ALLAN W., US  
[73] SCHLUMBERGER CANADA LIMITED, CA  
[85] 2011-06-08  
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[54] **STRUCTURE COMPOSITE STRATIFIEE**  
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[72] GARRETT, SCOTT A., US  
[73] EBERT COMPOSITES CORPORATION, US  
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[54] **PROCEDE ET APPAREIL POUR PRODUIRE DES STRUCTURES COMPOSITES**  
[72] MAHESHWARI, MAHENDRA, US  
[72] VELTEN, JAMES J., US  
[73] MRA SYSTEMS, LLC, US  
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[54] **PROCEDE DE FABRICATION DE POUDRES FLUOREES A BASE DE POLYANIONS LITHIUM VANADIUM**  
[72] MAO, ZHENHUA, US  
[72] CAREL, MARK W., US  
[72] IRVIN, DANIEL H., US  
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[73] PYROTEK, INC., US  
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[54] **DISPOSITIF D'ASSURANCE DU RACCORDEMENT CATHETER/AIGUILLE A FISTULE A TUBULURE SANGUINE**  
[72] LYONS, BERNARD, US  
[72] MALIEKKAL, SHINCY, US  
[72] BURNS, WILLIAM PATRICK, US  
[72] ROHDE, JUSTIN BELANGER, US  
[72] ACIKGOZ, SERHAN, US  
[72] BAROT, ROSHNI, US  
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[54] **SUPPORT AJUSTABLE POUR VOILE DU PALAIS ET SON PROCEDE D'IMPLANTATION**  
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[72] MAURY, MARC, FR  
[72] PEROVITCH, PHILIPPE, FR  
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[54] **SYSTEM AND METHOD FOR ANALYZING PROPERTIES OF MEAT USING MULTISPECTRAL IMAGING**  
[54] **SYSTEME ET PROCEDE POUR ANALYSER DES PROPRIETES D'UNE VIANDE PAR IMAGERIE MULTISPECTRALE**  
[72] SUBBIAH, JEYAMKONDAN, US  
[72] CALKINS, CHRIS RICHARD, US  
[72] SAMAL, ASHOK KUMOR, US  
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[54] **BAGUE DE RETENUE CONIQUE POUR REDUIRE LE MOUVEMENT DE LA CAGE DE ROULEMENT**  
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[73] ALLISON TRANSMISSION, INC., US  
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[54] **INHIBITEURS DE LA PROTEINE KINASE C ET LEURS UTILISATIONS**  
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[72] VALDEZ, CARLOS, US  
[72] TSO, KIN, US  
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[72] HORAN, TIMOTHY J., US  
[72] SCHOLL, CHRISTOPHER H., US  
[72] TOUHALISKY, DANEEN K., US  
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[54] **DISPOSITIF DE COUTEAU**  
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[73] MAREL SALMON A/S, DK  
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[54] **TETE D'ABRASION SEGMENTEE POUR ATHERECTOMIE ROTATIVE ET PROCEDE D'AMELIORATION DE L'EFFICACITE D'ABRASION**  
[72] NARVESON, CHRISTOPHER M., US  
[73] CARDIOVASCULAR SYSTEMS, INC., US  
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[72] ALPERT, ORTAL, IL  
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[72] VO, VAN-CHAU, FR  
[73] DOW GLOBAL TECHNOLOGIES LLC, US  
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[72] BRINKMANN, THOMAS, DE  
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[72] ENNS, JOHN B., US  
[72] POWELL, P. MARK, US  
[72] SITES, PETER W., US  
[73] JOHNSON & JOHNSON VISION CARE, INC., US  
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[54] **ESTERS (1-PHENYL-2-PYRIDIN-4-YL) ETHYLIQUES D'ACIDE BENZOIQUE EN TANT QU'INHIBITEURS DE LA PHOSPHODIESTERASE**  
[72] AMARI, GABRIELE, IT  
[72] ARMANI, ELISABETTA, IT  
[72] DELCANALE, MAURIZIO, IT  
[73] CHIESI FARMACEUTICI S.P.A., IT  
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[54] **DECLENCHEUR MANUEL POUR DISJONCTEUR**  
[72] PATTEN, ROBERT A., US  
[72] GEARY, MARTIN E., US  
[72] BINKLEY, KERRY BRENT, US  
[73] ABB TECHNOLOGY AG, CH  
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[54] **APPAREIL DE PLANIFICATION ET PROCEDE DE PLANIFICATION**  
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[72] FUTAGI, SADAHI, JP  
[72] IMAMURA, DAICHI, JP  
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[54] **COUVERTURE A ACCES MULTIPLES**  
[72] PIERRE, JOSEPH, US  
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[72] STEC, ALAN, US  
[73] SMITHS MEDICAL ASD, INC., US  
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[54] **ALIGNEMENT DE LENTILLE INTRAOCULAIRE**  
[72] LEVIS, ILIAS, US  
[72] LAHTI, KATARIINA, US  
[72] NALIBOTSKI, BORIS, US  
[73] ALCON RESEARCH, LTD., US  
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[54] **COENZYME Q10-CONTAINING COMPOSITION FOR ORAL INGESTION**  
[54] **COMPOSITION CONTENANT DU COENZYME Q10 POUR UNE INGESTION ORALE**  
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[72] KIKUCHI, MIDORI, JP  
[72] TAKANO, KENTAROU, JP  
[73] MITSUBISHI GAS CHEMICAL COMPANY, INC., JP  
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[54] **DISPOSITIF DE DECOUPE D'OS**  
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[54] **ELEMENT D'ACCOUPLLEMENT CONCU POUR FIXATION EXTERNE**  
[72] BUSCH, ADAM, CH  
[72] GUREVICH, VADIM, US  
[72] DORAWA, KLAUS, CH  
[73] STRYKER EUROPEAN HOLDINGS I, LLC, US  
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[25] EN  
[54] **MEASURING DEVICE AND METHOD FOR DETERMINING A SURFACE CONTOUR ON A HUMAN OR ANIMAL**  
[54] **DISPOSITIF DE MESURE ET PROCEDE POUR DETERMINER UNE SURFACE D'UN HOMME OU D'UN ANIMAL**  
[72] RIESER, CHRISTOPH, DE  
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[11] **2,755,657**  
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[54] **UNDER-FLAP STIFFENER FOR AIRCRAFT**  
[54] **RAIDISSEURS SOUS BAVETTE POUR AERONEF**  
[72] LIEVEN, PATRICK, FR  
[72] CHAVONET, ERIC, FR  
[72] BELLET, DANIEL, FR  
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[25] EN  
[54] **ORAL COMPOSITIONS FOR TREATING TOOTH SENSITIVITY AND METHODS OF USE AND MANUFACTURE THEREOF**  
[54] **COMPOSITIONS ORALES UTILISABLES DANS LE CADRE DU TRAITEMENT DE LA SENSIBILITE DENTAIRE ET LEURS PROCEDES D'UTILISATION ET DE FABRICATION**  
[72] ZAIDEL, LYNETTE, US  
[72] PRENCIPE, MICHAEL, US  
[72] CHOPRA, SUMAN K., US  
[73] COLGATE-PALMOLIVE COMPANY, US  
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[54] **RENSEIGNEMENT SUR LA CIRCULATION ROUTIERE FONDE SUR UN COMPORTEMENT DE GROUPE DE CONFIANCE**  
[72] CUMMING, JOEL GEORGE, CA  
[73] BLACKBERRY LIMITED, CA  
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[54] **MIGRATION AND PLASMA ENHANCED CHEMICAL VAPOR DEPOSITION**  
[54] **DEPOT CHIMIQUE EN PHASE VAPEUR ACTIVE PAR PLASMA ET PAR MIGRATION**  
[72] BUTCHER, KENNETH SCOTT ALEXANDER, CA  
[73] BUTCHER, KENNETH SCOTT ALEXANDER, CA  
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[25] EN  
[54] **MIXED METAL CATALYST SYSTEMS HAVING A TAILORED HYDROGEN RESPONSE**  
[54] **SYSTEMES CATALYTIQUES METALLIQUES MIXTES AYANT UNE REPOSE SUR MESURE A L'HYDROGENE**  
[72] KAO, SUN-CHUEH, US  
[72] RIX, FRANCIS C., US  
[72] LI, DONGMING, US  
[72] HARLAN C., JEFF, US  
[72] KHOKHANI, PARUL A., US  
[73] UNIVATION TECHNOLOGIES, LLC, US  
[85] 2011-09-28  
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[54] **PRODUCT DISPENSER**  
[54] **DISTRIBUTEUR DE PRODUIT**  
[72] HERMOUET, YANNIC, FR  
[73] PARFUMS CHRISTIAN DIOR, FR  
[85] 2011-10-03  
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[25] EN  
[54] **METHODS FOR PREVENTING AND/OR TREATING DEGENERATIVE DISORDERS OF THE CENTRAL NERVOUS SYSTEM**  
[54] **METHODES POUR PREVENIR ET/OU TRAITER DES TROUBLES DEGENERATIFS DU SYSTEME NERVEUX CENTRAL**  
[72] BOYD, ROBERT, US  
[72] LEE, GARY, US  
[73] AMICUS THERAPEUTICS, INC., US  
[85] 2011-10-07  
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[25] EN  
[54] **DIAMIDE COMPOUNDS HAVING MUSCARINIC RECEPTOR ANTAGONIST AND .BETA.2 ADRENERGIC RECEPTOR AGONIST ACTIVITY**  
[54] **COMPOSES DIAMIDES AYANT UN ANTAGONISTE DU RECEPTEUR MUSCARINIQUE ET UNE ACTIVITE AGONISTE DES RECEPTEURS ADRENERGIQUES BETA2**  
[72] HUGHES, ADAM, US  
[72] BYUN, DANIEL, US  
[72] CHEN, YAN, US  
[72] FLEURY, MELISSA, US  
[72] JACOBSEN, JOHN R., US  
[72] STANGELAND, ERIC L., US  
[72] WILSON, RICHARD D., US  
[72] YEN, ROSE, US  
[73] THERAVANCE RESPIRATORY COMPANY, LLC, US  
[85] 2011-10-11  
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[25] FR

[54] **IMIDAZOLIDINE-2, 4-DIOXE DERIVATIVES, AND USE**

**THEREOF AS A CANCER DRUG**

[54] **DERIVES D'IMIDAZOLIDINE-2, 4-DIONE ET LEUR UTILISATION COMME MEDICAMENT CONTRE LE CANCER**

[72] PREVOST, GREGOIRE, FR

[72] AUVIN, SERGE, FR

[72] LANCO, CHRISTOPHE, FR

[72] LIBERATORE, ANNE-MARIE, FR

[72] LAVERGNE, OLIVIER, FR

[73] IPSEN PHARMA S.A.S., FR

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[54] **HEAVY DUTY ROPE SOCKETS AND RELATED METHODS**

[54] **DOUILLE DE CABLE A HAUTE RESISTANCE ET METHODES CONNEXES**

[72] STREATER, JAMES R. JR., US

[72] HUDSON, TROY M., US

[72] KRAUEL, MICHAEL S., US

[73] NATIONAL OILWELL VARCO, L.P., US

[86] (2759375)

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[54] **LAUNDRY MACHINE WITH SUSPENSION ASSEMBLY**

[54] **MACHINE A LAVER**

[72] KWON, IG GEUN, KR

[72] CHOI, JAE HYUN, KR

[72] KIM, SOO BONG, KR

[73] LG ELECTRONICS INC., KR

[85] 2011-10-26

[86] 2010-05-28 (PCT/KR2010/003404)

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[30] KR (10-2009-0047192) 2009-05-28

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[25] FR

[54] **STRENGTHENED FAN-BLADE BLOCK**

[54] **CALE D'AUBE DE SOUFFLANTE RENFORCEE**

[72] REGHEZZA, PATRICK JEAN-LOUIS, FR

[72] TRAN, JULIEN, FR

[73] SNECMA, FR

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[54] **IN-CALL CONTACT INFORMATION DISPLAY**

[54] **AFFICHAGE D'INFORMATIONS DE CONTACT D'UN APPEL ENTRANT**

[72] SABOTTA, KENNETH Q., US

[72] GUNTAUR, PAULA, US

[72] PAN, DAVID T., US

[73] MICROSOFT TECHNOLOGY

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[30] US (12/476,870) 2009-06-02

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[54] **BATCH LOADER**

[54] **CHARGEUR DE LOT**

[72] VIGLUNDSSON, ADALSTEINN, IS

[72] FINNSSON, THORIR, IS

[72] SKARPHEDINSSON, SIGURDUR, IS

[73] MAREL HF, IS

[85] 2011-10-31

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[30] DK (PA 2009 70004) 2009-05-01

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[13] C

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[54] **INTEGRATED AUTOMATION SYSTEM**

[54] **SYSTEME D'AUTOMATISATION INTEGRE**

[72] NETTLETON, ERIC, AU

[72] HENNESSY, ROSS, AU

[72] DURRANT-WHYTE, HUGH, AU

[72] GOEKTOGAN, ALI HAYDAR, AU

[73] THE UNIVERSITY OF SYDNEY, AU

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[25] EN  
[54] **METHOD AND DEVICE FOR PRODUCING A THREAD MADE FROM A PLURALITY OF INDIVIDUAL FILAMENTS AND MONOFILAMENT THREAD PRODUCED IN THIS MANNER**  
[54] **PROCEDE ET DISPOSITIF DE FABRICATION D'UN FIL A PARTIR D'UNE PLURALITE DE MONOFILAMENTS ET FIL MONOFILAMENT AINSI FABRIQUE**  
[72] KNAPPE, FAISAL H.J., DE  
[73] KNAPPE, FAISAL H.J., DE  
[85] 2011-11-03  
[86] 2010-05-04 (PCT/EP2010/056038)  
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[30] DE (10 2009 019 500.9) 2009-05-04  
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[54] **APPAREIL ET PROCEDE PERMETTANT UNE DIMINUTION D'UNE CHARGE D'ALIMENTATION SOLIDE**  
[72] DUDLEY, PETER G., GB  
[72] WRIGHT, ALLEN RICHARD, GB  
[73] METALYSIS LIMITED, GB  
[85] 2011-11-10  
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[25] EN  
[54] **OIL-IN-WATER EMULSION OF MOMETASONE AND PROPYLENE GLYCOL**  
[54] **EMULSION D'HUILE DANS L'EAU DE MOMETASONE ET DE PROPYLENEGLYCOL**  
[72] HANSSON, HENRI, SE  
[72] MOREN, ANNA KARIN, SE  
[73] GALENICA AB, SE  
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[54] **PREPARATION OF NALMEFENE HYDROCHLORIDE FROM NALTREXONE**  
[54] **PREPARATION DE CHLORHYDRATE DE NALMEFENE A PARTIR DE NALTREXONE**  
[72] DE FAVERI, CARLA, IT  
[72] CASARIN, MAURO, IT  
[72] BRUSEGAN, MICHELE, IT  
[73] H. LUNDBECK A/S, DK  
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[25] EN  
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[54] **MATERIAU D'EMBALLAGE COMPRENANT DES PARTIES POUVANT ETRE AIMANTEES**  
[72] NILSSON, TOMMY, SE  
[72] BERGHOLTZ, LARS, SE  
[72] KLINT, ANN-CHARLOTTE, SE  
[72] ULVROS, ISTVAN, SE  
[73] TETRA LAVAL HOLDINGS & FINANCE S.A., CH  
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[51] **Int.Cl. A23C 9/18 (2006.01)**  
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[54] **SOLID MILK AND METHOD FOR MANUFACTURE THEREOF**  
[54] **LAIT A L'ETAT SOLIDE ET PROCEDE DE FABRICATION ASSOCIE**  
[72] TOYODA, IKURU, JP  
[72] SATAKE, YOSHINORI, JP  
[72] OHTSUBO, KAZUMITSU, JP  
[73] MEIJI CO., LTD., JP  
[85] 2011-06-23  
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[54] **PROCEDE DE FABRICATION DE LAIT A L'ETAT SOLIDE**  
[72] TOYODA, IKURU, JP  
[72] SHIBATA, MITSUHO, JP  
[72] OHTSUBO, KAZUMITSU, JP  
[73] MEIJI CO., LTD., JP  
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[54] **STERILISATEUR ANTIMICROBIEN PORTATIF A ULTRAVIOLET**  
[72] CAMPAGNA, KENNETH, US  
[73] STER-O-WAVE, US  
[85] 2011-11-28  
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[13] C

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[25] EN  
[54] **HYGIENIC TAMPON, OPTIONALLY A DIGITAL OR APPLICATOR TAMPON, AS WELL AS APPARATUS AND METHOD FOR MANUFACTURING THEREOF**  
[54] **TAMPON HYGIENIQUE, EVENTUELLEMENT POSE MANUELLEMENT OU A L'AIDE D'UN APPLICATEUR, AINSI QU'APPAREIL ET PROCEDE POUR SA FABRICATION**  
[72] ZABRET, ANDREJ, SI  
[73] TOSAMA TOVARNA SANITETNEGA MATERIALA D.D., SI  
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[86] 2009-08-20 (PCT/SI2009/000035)  
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[30] SI (P-200900164) 2009-06-12  
[30] SI (P-200900227) 2009-08-19

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[11] **2,764,012**  
[13] C

[51] **Int.Cl. G06F 9/44 (2006.01) G06F 9/45 (2006.01)**  
[25] EN  
[54] **COMPUTER-IMPLEMENTED METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT FOR DISPLAYING A USER INTERFACE COMPONENT**  
[54] **PROCEDE, SYSTEME ET PROGRAMME INFORMATIQUES POUR AFFICHAGE D'INTERFACE-UTILISATEUR**  
[72] BIJANI, PRAMOD, IN  
[72] MEHROTRA, SIDDHARTH, IN  
[72] KAULGUD, VIKRANT SHYAMKANT, IN  
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE  
[86] (2764012)  
[87] (2764012)  
[22] 2012-01-11  
[30] EP (11 004 453.4-2211) 2011-05-31

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[11] **2,764,707**  
[13] C

[51] **Int.Cl. B01L 3/00 (2006.01)**  
[25] EN  
[54] **OPTICAL APPROACH FOR MICROFLUIDIC DNA ELECTROPHORESIS DETECTION**  
[54] **APPROCHE OPTIQUE POUR LA DETECTION PAR ELECTROPHORESE D'ADN MICROFLUIDIQUE**  
[72] BELL, RANDALL H., US  
[72] PETTIT, JOHN W., US  
[72] LANDERS, JAMES P., US  
[72] BIENVENUE, JOAN M., US  
[72] MARCHIARULLO, DANIEL, US  
[72] ROOT, BRIAN, US  
[72] SCOTT, ORION, US  
[73] LOCKHEED MARTIN CORPORATION, US  
[73] MICROLAB DIAGNOSTICS, INC., US  
[85] 2011-12-05  
[86] 2010-03-10 (PCT/US2010/026801)  
[87] (WO2010/141140)  
[30] US (61/213,405) 2009-06-04  
[30] US (61/213,406) 2009-06-04  
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[51] **Int.Cl. H04B 17/29 (2015.01) H04B 17/318 (2015.01) H04B 1/16 (2006.01) H04J 11/00 (2006.01)**  
[25] EN  
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[54] **MESURES DE SIGNAL BASEES SUR DES SIGNAUX DE SYNCHRONISATION**  
[72] LINDOFF, BENGT, SE  
[72] JADING, YLVA, SE  
[72] MUELLER, WALTER, SE  
[73] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL), SE  
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[86] 2010-05-26 (PCT/EP2010/057239)  
[87] (WO2010/142527)  
[30] US (61/185,101) 2009-06-08  
[30] US (12/564,292) 2009-09-22

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[13] C

[51] **Int.Cl. A61B 5/151 (2006.01)**  
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[54] **LANCETTE MEDICALE**  
[72] HOERAUF, CHRISTIAN, DE  
[73] F. HOFFMANN-LA ROCHE AG, US  
[85] 2011-12-12  
[86] 2010-06-12 (PCT/EP2010/003548)  
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[13] C

[51] **Int.Cl. C25C 7/06 (2006.01) B21D 1/06 (2006.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR PREPARING A MOTHER PLATE OF A PERMANENT CATHODE FOR AN ELECTROLYTIC PROCESS**  
[54] **PROCEDE ET APPAREIL POUR PREPARER UNE PLAQUE MERE DE CATHODE PERMANENTE DESTINEE A UN PROCESSUS ELECTROLYTIQUE**  
[72] ANDREN, HENRIK, SE  
[72] ARPI, MARTIN, SE  
[73] OUTOTEC OYJ, FI  
[85] 2011-12-13  
[86] 2010-06-30 (PCT/FI2010/050563)  
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[30] FI (20095740) 2009-06-30

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[13] C

[51] **Int.Cl. E04B 2/56 (2006.01) E04B 2/00 (2006.01)**  
[25] EN  
[54] **LOAD BEARING WALL SYSTEM**  
[54] **SYSTEME DE MURS PORTEURS**  
[72] BERGERON, YVAN, CA  
[73] BERGERON, YVAN, CA  
[86] (2766628)  
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[22] 2012-01-30

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[13] C

[51] **Int.Cl. A01N 43/50 (2006.01) A01N 47/04 (2006.01) A01P 3/00 (2006.01)**  
[25] EN  
[54] **AGRICULTURAL OR HORTICULTURAL FUNGICIDE COMPOSITION AND ITS USE FOR CONTROLLING PLANT PATHOGENS**  
[54] **COMPOSITION FONGICIDE A USAGE AGRICOLE OU HORTICOLE ET SON UTILISATION DANS LE CADRE DE LA LUTTE CONTRE LES AGENTS PATHOGENES DES PLANTES**  
[72] SUGIMOTO, KOJI, JP  
[73] ISHIHARA SANGYO KAISHA, LTD., JP  
[85] 2011-12-29  
[86] 2010-07-06 (PCT/JP2010/061736)  
[87] (WO2011/004901)  
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[51] **Int.Cl. A43B 21/00 (2006.01) A43B 5/06 (2006.01) A43B 23/00 (2006.01)**  
[25] EN  
[54] **FOOTWEAR, CLOTHING AND OTHER APPAREL WITH INTERCHANGEABLE TOE AND HEEL MEMBERS OR OTHER ORNAMENTS AND RELATED METHODS AND SYSTEMS**  
[54] **CHAUSSURE, VETEMENT ET AUTRE ARTICLE AVEC ELEMENTS DE POINTE ET DE TALON INTERCHANGEABLES, OU AUTRES ORNEMENTS, ET PROCEDES ET SYSTEMES ASSOCIES**  
[72] BAUM, ASHER, US  
[73] BAUM, ASHER, US  
[85] 2012-01-03  
[86] 2009-07-02 (PCT/US2009/049569)  
[87] (WO2010/005871)  
[30] US (61/078,429) 2008-07-06

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[13] C

[51] **Int.Cl. E21B 43/12 (2006.01) E21B 34/08 (2006.01) E21B 41/00 (2006.01)**  
[25] EN  
[54] **FLOW RESTRICTOR DEVICE**  
[54] **DISPOSITIF DE RESTRICTION DE DEBIT**  
[72] SIMONIAN, SAM, FR  
[72] SALERNO, GIOVANNI, BH  
[72] VOLL, BENN, BH  
[73] SWELLFIX UK LIMITED, GB  
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[87] (WO2011/004161)  
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[54] **MEDICAL FLUID CASSETTES AND RELATED SYSTEMS AND METHODS**  
[54] **CASSETTES DE FLUIDE MEDICAL ET SYSTEMES ET PROCEDES AFFERENTS**  
[72] JENSEN, MELVIN D., US  
[72] JENSEN, LYNN, US  
[72] PLAHEY, KULWINDER S., US  
[72] LINDLEY, DELOY, US  
[72] FALLON, JOSEPH MICHAEL, US  
[73] FRESENIUS MEDICAL CARE HOLDINGS, INC., US  
[85] 2012-01-09  
[86] 2010-07-14 (PCT/US2010/041976)  
[87] (WO2011/008858)  
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[13] C

[51] **Int.Cl. B65D 5/4805 (2006.01) B65D 5/10 (2006.01) B65D 5/18 (2006.01) B65D 5/50 (2006.01) B65D 5/66 (2006.01)**  
[25] EN  
[54] **CARTON WITH PRODUCT HOLDING COMPARTMENTS**  
[54] **CARTON COMPRENANT DES COMPARTIMENTS DESTINES A CONTENIR UN PRODUIT**  
[72] FITZWATER, KELLY R., US  
[73] GRAPHIC PACKAGING INTERNATIONAL, INC., US  
[85] 2012-01-09  
[86] 2010-07-15 (PCT/US2010/042042)  
[87] (WO2011/008901)  
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[25] EN

[54] **PHARMACEUTICAL COMPOSITION FOR A HEPATITIS C VIRAL PROTEASE INHIBITOR**

[54] **COMPOSITION PHARMACEUTIQUE POUR UN INHIBITEUR DE PROTEASE VIRALE DE L'HEPATITE C**

[72] CHEN, FENG-JING, US

[72] SCHWABE, ROBERT J., US

[73] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE

[85] 2012-01-06

[86] 2010-07-01 (PCT/US2010/040734)

[87] (WO2011/005646)

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[25] EN

[54] **DRILL**

[54] **FORET**

[72] KRESS, DIETER, DE

[73] MAPAL FABRIK FUER PRAEZISIONSWERKZEUGE DR. KRESS KG, DE

[85] 2012-01-13

[86] 2010-07-02 (PCT/EP2010/003993)

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[30] DE (10 2009 033 942.6) 2009-07-14

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[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/438 (2006.01) A61P 25/30 (2006.01) C07D 401/14 (2006.01) C07D 417/06 (2006.01) C07D 417/14 (2006.01)**

[25] EN

[54] **SPIRO AMINO COMPOUNDS SUITABLE FOR THE TREATMENT OF INTER ALIA SLEEP DISORDERS AND DRUG ADDICTION**

[54] **COMPOSES SPIRO-AMINIQUES CONVENANT AU TRAITEMENT, NOTAMMENT, DES TROUBLES DU SOMMEIL ET DE LA PHARMACODEPENDANCE**

[72] STASI, LUIGI PIERO, IT

[72] ROVATI, LUCIO, IT

[73] ROTTAPHARM BIOTECH S.R.L., IT

[85] 2012-01-16

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

[25] EN

[54] **METHOD AND SYSTEM FOR ADJUSTING A DEMAND-RESPONSE TRANSIT SCHEDULE**

[54] **PROCEDE ET SYSTEME DE REGLAGE DE PROGRAMME DE TRANSIT A DEMANDE/REPONSE**

[72] CLARK, JARROD GREGORY, CA

[73] TRAPEZE SOFTWARE INC., CA

[86] (2768578)

[87] (2768578)

[22] 2012-02-16

[11] **2,768,648**

[13] C

[51] **Int.Cl. C25C 3/22 (2006.01)**

[25] FR

[54] **DEVICE FOR COLLECTING GASES EMITTED BY ALUMINUM ELECTROLYSIS TANKS, AND ASSOCIATED ALUMINUM PRODUCTION SYSTEM**

[54] **DISPOSITIF DE COLLECTE DES GAZ EMIS PAR DES CUVES D'ELECTROLYSE D'ALUMINIUM, ET SYSTEME DE PRODUCTION D'ALUMINIUM ASSOCIE**

[72] MALARD, THIERRY, FR

[72] BOUHABILA, EL HANI, FR

[73] SOLIOS ENVIRONNEMENT, FR

[85] 2012-01-16

[86] 2010-07-16 (PCT/FR2010/051493)

[87] (WO2011/010050)

[30] FR (09 55044) 2009-07-20

[11] **2,768,698**

[13] C

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[25] EN

[54] **SYSTEMS AND PROCESSES FOR APPLYING SHRINK LABELS**

[54] **SYSTEMES ET PROCEDES POUR APPLIQUER DES ETIQUETTES RETRACTABLES**

[72] LORENCE, JAMES P., US

[72] BOCKMULLER, JEREMY, US

[72] CEVERA, RICHARD L., US

[72] CHARNY, JOHN A., US

[72] MCCLELLEN, NICK, US

[72] POTTER, CRAIG W., US

[72] PREVITY, RICHARD A., US

[72] ROSS, SHAWN, US

[72] SHELDON, RICHARD W., US

[73] AVERY DENNISON CORPORATION, US

[85] 2012-01-19

[86] 2010-07-27 (PCT/US2010/043343)

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[51] **Int.Cl. B29C 49/04 (2006.01) B29C 49/22 (2006.01) B29C 49/64 (2006.01) B65D 1/00 (2006.01) C08G 69/26 (2006.01) C08L 77/06 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING CONTAINER**

[54] **PROCEDE DE FABRICATION D'UN CONTENANT**

[72] ODA, TAKAFUMI, JP

[72] OTAKI, RYOJI, JP

[73] MITSUBISHI GAS CHEMICAL COMPANY, INC., JP

[85] 2012-01-26

[86] 2010-08-04 (PCT/JP2010/063202)

[87] (WO2011/016491)

[30] JP (2009-181868) 2009-08-04

[30] JP (2009-181869) 2009-08-04

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[51] **Int.Cl. C07D 498/04 (2006.01) A61K 31/424 (2006.01) A61K 31/4439 (2006.01) A61K 31/497 (2006.01) A61K 31/506 (2006.01) A61K 31/5365 (2006.01) A61P 31/06 (2006.01)**

[25] EN

[54] **NITROIMIDAZOOXAZINE AND NITROIMIDAZOOXAZOLE ANALOGUES AND THEIR USES**

[54] **ANALOGUES DE NITRO-IMIDAZO-OXAZINE ET DE NITRO-IMIDAZO-OXAZOLE ET LEURS UTILISATIONS**

[72] THOMPSON, ANDREW M., NZ

[72] DENNY, WILLIAM ALEXANDER, NZ

[72] BLASER, ADRIAN, NZ

[72] MA, ZHENKUN, US

[73] GLOBAL ALLIANCE FOR TB DRUG DEVELOPMENT, US

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[51] **Int.Cl. C07D 498/04 (2006.01) A61K 31/5365 (2006.01) A61P 31/04 (2006.01) A61P 31/06 (2006.01)**

[25] EN

[54] **NITROIMIDAZOOXAZINES AND THEIR USES IN ANTI-TUBERCULAR THERAPY**

[54] **NITROIMIDAZOOXAZINES ET LEURS UTILISATIONS EN THERAPIE ANTITUBERCULEUSE**

[72] DENNY, WILLIAM ALEXANDER, NZ

[72] THOMPSON, ANDREW M., NZ

[72] BLASER, ADRIAN, NZ

[72] MA, ZHENKUN, US

[72] PALMER, BRIAN DESMOND, NZ

[72] SUTHERLAND, HAMISH SCOTT, NZ

[72] KMENTOVA, IVETA, SK

[73] GLOBAL ALLIANCE FOR TB DRUG DEVELOPMENT, US

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[25] EN

[54] **HPPE YARNS**

[54] **FILS DE HPPE**

[72] ABEN, GERARDUS, NL

[72] VAN DEN BOSCH, EDITH ELISABETH, BE

[72] VAZ, CLAUDIA MARIA, NL

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

[85] 2012-02-01

[86] 2010-08-05 (PCT/EP2010/061399)

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[30] EP (09167348.3) 2009-08-06

[30] EP (09175938.1) 2009-11-13

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[13] C

[51] **Int.Cl. D01D 4/02 (2006.01)**

[25] EN

[54] **SPINNING DIE ASSEMBLY AND METHOD FOR FORMING FIBRES USING SAID ASSEMBLY**

[54] **ENSEMBLE FILIERE DE FILATURE ET PROCEDE DE FORMATION DE FIBRES AU MOYEN DE CET ENSEMBLE**

[72] JAMES, MICHAEL DAVID, US

[73] THE PROCTER & GAMBLE COMPANY, US

[85] 2012-02-14

[86] 2010-08-13 (PCT/US2010/045422)

[87] (WO2011/019982)

[30] US (61/233,990) 2009-08-14

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[13] C

[51] **Int.Cl. E01C 3/00 (2006.01) E01C 9/00 (2006.01) E01C 11/00 (2006.01) E01C 13/00 (2006.01)**

[25] EN

[54] **A MODULATED STRUCTURAL CELL FOR SUPPORTING A TREE ROOT NETWORK**

[54] **CELLULE STRUCTURALE MODULEE PERMETTANT DE SUPPORTER UN RESEAU RACINE ARBORESCENT**

[72] GOODEN, BEN, AU

[73] STRATA INNOVATIONS PTY LIMITED, AU

[85] 2012-02-15

[86] 2010-08-13 (PCT/AU2010/001034)

[87] (WO2011/017766)

[30] AU (2009903817) 2009-08-14

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[13] C

[51] **Int.Cl. A61G 7/00 (2006.01) A61G 7/015 (2006.01) A61G 7/053 (2006.01)**

[25] EN

[54] **BED PROVIDING RAISING SUPPORT**

[54] **LIT PERMETTANT DE REDRESSER UNE PERSONNE COUCHEE**

[72] GOEDDERT, MARCO, DE

[73] GOEDDERT, MARCO, DE

[85] 2012-02-16

[86] 2010-08-12 (PCT/DE2010/000956)

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[30] DE (10 2009 039 637.6) 2009-08-29

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[13] C

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[25] EN

[54] **MODULAR SUPPORT FOR PLANTS**

[54] **SUPPORT MODULAIRE POUR PLANTES**

[72] NOEL, GENEVIEVE, CA

[73] NOEL, GENEVIEVE, CA

[85] 2012-03-27

[86] 2009-09-24 (PCT/CA2009/001344)

[87] (WO2010/045708)

[30] CA (2,642,183) 2008-10-22

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[13] C

[51] **Int.Cl. A61F 9/013 (2006.01)**

[25] EN

[54] **SURGICAL KNIFE HANDLE AND KNIFE**

[54] **BISTOURI ET MANCHE DE BISTOURI**

[72] PACKARD, RICHARD, GB

[72] CHECKLEY, SIMON, GB

[72] HUTCHINSON, IAN, GB

[73] PACKARD, RICHARD, GB

[73] CORE SURGICAL LIMITED, GB

[73] E-MEDIX LIMITED, GB

[85] 2012-03-01

[86] 2009-09-10 (PCT/GB2009/051164)

[87] (WO2011/030081)

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[13] C

[51] **Int.Cl. A61B 90/30 (2016.01) F21V 8/00 (2006.01) G02B 6/00 (2006.01)**

[25] EN

[54] **STRUCTURED ILLUMINATION PROBE AND METHOD**

[54] **SONDE D'ECLAIRAGE STRUCTUREE ET PROCEDE ASSOCIE**

[72] PAPAC, MICHAEL J., US

[72] SMITH, RONALD T., US

[73] ALCON RESEARCH, LTD., US

[85] 2012-03-07

[86] 2010-10-13 (PCT/US2010/052457)

[87] (WO2011/059624)

[30] US (61/260,079) 2009-11-11

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[13] C

[51] **Int.Cl. F25B 15/02 (2006.01) B60H 1/32 (2006.01) F02G 5/02 (2006.01) F25B 15/12 (2006.01) F25B 27/02 (2006.01) F25B 30/04 (2006.01) F25B 41/04 (2006.01) F25B 49/04 (2006.01) F28D 7/10 (2006.01)**

[25] EN

[54] **A SYSTEM AND METHOD FOR STORING THERMAL ENERGY AS AUXILIARY POWER IN A VEHICLE**

[54] **SYSTEME ET PROCEDE PERMETTANT DE STOCKER DE L'ENERGIE THERMIQUE A DES FINS D'ALIMENTATION AUXILIAIRE DANS UN VEHICULE**

[72] GIBBS, DAVID ROBERT, CA

[72] BACHALO, CHRISTOPHER, CA

[72] STANNARD, JOHN HAMILTON, CA

[73] ENERMOTION INC., CA

[85] 2012-03-08

[86] 2011-03-30 (PCT/CA2011/000315)

[87] (WO2011/120132)

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[13] C

[51] **Int.Cl. G06F 11/36 (2006.01) G06Q 10/06 (2012.01)**

[25] EN

[54] **PRIORITIZATION AND ASSIGNMENT MANAGER FOR AN INTEGRATED TESTING PLATFORM**

[54] **GESTIONNAIRE DES PRIORITES ET DES ATTRIBUTIONS POUR UNE PLATE-FORME D'ESSAI INTEGREE**

[72] BROWN, JULIAN M., GB

[72] SMITH, PETER J., GB

[72] WILLIAMS, STEPHEN M., GB

[72] STEELE, JASON A., GB

[73] ACCENTURE GLOBAL SERVICES LIMITED, IE

[86] (2773930)

[87] (2773930)

[22] 2012-04-11

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[13] C

[51] **Int.Cl. E21B 10/56 (2006.01) E21B 10/46 (2006.01)**

[25] EN

[54] **HARD METAL INSERT FOR A DRILL BIT FOR PERCUSSION GRINDING AND METHOD FOR GRINDING A HARD METAL INSERT**

[54] **PIECE RAPPORTEE METALLIQUE DURE POUR FORAGE A PERCUSSION ET PROCEDE DE MEULAGE D'UNE PIECE RAPPORTEE METALLIQUE DURE**

[72] STENBERG, GORAN, SE

[72] WESSBERG, JOHAN, SE

[73] ATLAS COPCO SECOROC AB, SE

[85] 2012-03-12

[86] 2010-10-01 (PCT/SE2010/051053)

[87] (WO2011/043717)

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[51] **Int.Cl. A01N 1/00 (2006.01) A01N 35/08 (2006.01) A01P 1/00 (2006.01)**

[25] FR

[54] **COMPOSITION FOR THE EXTERNAL TREATMENT OF CADAVERS**

[54] **NOUVELLE COMPOSITION POUR LE TRAITEMENT DES BLESSURES EXTERNES ET DES ESCARRES**

[72] GRAUGNARD, HENRI, FR

[72] POLI, LAURA, FR

[72] DISSARD, DOMINIQUE, FR

[72] GILOTIN, DENIS, FR

[72] JAY, JEAN-CHARLES, FR

[73] OGF, FR

[85] 2012-03-15

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[13] C

[51] **Int.Cl. F24H 3/00 (2006.01) F24C 7/04 (2006.01) F24C 7/06 (2006.01) H05B 3/00 (2006.01)**

[25] EN

[54] **COMBINED RADIATOR AND REMOTE CONTROL AND SWITCH APPARATUS AND LIGHTING ASSEMBLY**

[54] **ENSEMBLE COMBINE RADIATEUR, COMMANDE ET INTERRUPTEUR A DISTANCE ET LUMINAIRE**

[72] CHAN, PAUL K.C., CN

[73] IPOWER TECHNOLOGY LIMITED, HK

[85] 2012-04-02

[86] 2009-09-29 (PCT/CN2009/001103)

[87] (WO2010/037273)

[30] US (61/102,483) 2008-10-03

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[13] C

[51] **Int.Cl. H04B 7/00 (2006.01) H04L 5/22 (2006.01) H04B 1/76 (2006.01)**

[25] EN

[54] **RADIO COMMUNICATION METHOD AND A BASE STATION AND USER TERMINAL THEREOF**

[54] **PROCEDE DE RADIOCOMMUNICATION, STATION DE BASE ET TERMINAL D'UTILISATEUR CONNEXE**

[72] SHIMOMURA, TSUYOSHI, JP

[72] KIMURA, DAI, JP

[73] FUJITSU LIMITED, JP

[86] (2776445)

[87] (2776445)

[22] 2006-12-22

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[13] C

[51] **Int.Cl. H05K 5/02 (2006.01) B82Y 15/00 (2011.01) G02F 2/02 (2006.01) G06F 1/16 (2006.01) H01H 13/83 (2006.01) G06F 3/02 (2006.01)**

[25] EN

[54] **QUANTUM DOTS IN ELECTRONIC DEVICE EXTERIOR SURFACE**

[54] **POINTS QUANTIQUES SUR LA SURFACE EXTERNE D'APPAREILS ELECTRONIQUES**

[72] PURDY, MICHAEL LORNE, CA

[72] FLETCHER, BERGEN ALBERT, CA

[72] ROBINSON, JAMES ALEXANDER, CA

[73] BLACKBERRY LIMITED, CA

[86] (2777138)

[87] (2777138)

[22] 2012-05-16

[30] EP (11166495.9) 2011-05-18

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[13] C

[51] **Int.Cl. A23L 33/21 (2016.01) A23L 27/00 (2016.01) A23L 29/00 (2016.01) A23L 29/10 (2016.01) A23L 33/115 (2016.01) A23L 33/17 (2016.01) A23P 30/40 (2016.01) A23G 3/36 (2006.01)**

[25] EN

[54] **LOW FAT WHIPPABLE EMULSIONS WITH DIETARY FIBERS**

[54] **EMULSIONS A FOUETTER, A TENEUR REDUITE EN MATIERES GRASSES ET CONTENANT DES FIBRES ALIMENTAIRES**

[72] SHARMA, SHRI K., US

[72] GUTIERREZ DEL TORO, ABELARDO, US

[72] SHARMA, AMAN K., US

[73] RICH PRODUCTS CORPORATION, US

[85] 2012-04-10

[86] 2010-10-11 (PCT/US2010/052183)

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[30] US (61/250,335) 2009-10-09

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[13] C

[51] **Int.Cl. A61L 15/30 (2006.01) A61L 15/34 (2006.01) A61L 15/58 (2006.01)**

[25] EN

[54] **HEAT ACTIVATED ADHESIVE COMPOSITION CONTAINING COCONUT OIL**

[54] **COMPOSITION D'ADHESIF THERMOCOLLANT CONTENANT DE L'HUILE DE COCO**

[72] RAMJIT, RAVI, US

[72] KENG, TA KANG, US

[72] JENSEN, JARL, US

[73] EUROMED, INC., US

[85] 2012-04-10

[86] 2010-10-08 (PCT/US2010/051958)

[87] (WO2011/044449)

[30] US (61/278,587) 2009-10-08

[30] US (61/385,043) 2010-09-21

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[13] C

[51] **Int.Cl. C22C 14/00 (2006.01) B22F 1/02 (2006.01) B22F 3/22 (2006.01)**

[25] EN

[54] **METHOD**

[54] **PROCEDE**

[72] HAMILTON, HUGH GAVIN CHARLES, GB

[73] ANGLO PLATINUM MARKETING LIMITED, GB

[85] 2012-04-13

[86] 2010-10-13 (PCT/GB2010/051724)

[87] (WO2011/045601)

[30] GB (0917988.8) 2009-10-14

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[13] C

[51] **Int.Cl. G02C 5/22 (2006.01) G02B 3/14 (2006.01)**  
[25] EN  
[54] **HINGE MECHANISM FOR A FLUID FILLED LENS ASSEMBLY**  
[54] **MECANISME DE CHARNIERE POUR UN ENSEMBLE LENTILLE REMPLI DE FLUIDE**  
[72] SENATORE, DANIEL, US  
[72] PETERSON, MATTHEW WALLACE, US  
[72] DOWNING, JONATHAN, US  
[72] GUPTA, AMITAVA, US  
[72] EGAN, WILLIAM, US  
[72] NIBAUER, LISA, US  
[72] STANGOTA, FRANK, US  
[72] DECKER, BRUCE, US  
[72] MCGUIRE, THOMAS M., US  
[72] SCHNELL, URBAN, CH  
[72] HAROUD, KARIM, CH  
[72] LOSER, PASCAL, CH  
[73] ADLENS BEACON, INC., US  
[85] 2012-04-13  
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[30] US (61/251,819) 2009-10-15  
[30] US (12/904,769) 2010-10-14

[11] **2,777,816**  
[13] C

[51] **Int.Cl. A01N 37/02 (2006.01) A01N 25/00 (2006.01) A01P 1/00 (2006.01) A61K 31/045 (2006.01) A61K 31/21 (2006.01) A61P 31/02 (2006.01) C09K 19/06 (2006.01)**  
[25] EN  
[54] **A LIQUID CRYSTAL COMPOSITION AND A METHOD OF MAKING THE SAME**  
[54] **UNE COMPOSITION DE CRISTAL LIQUIDE ET UNE METHODE DE FABRICATION ASSOCIEE**  
[72] CALVERT, RICHARD PETER CURTIS, US  
[72] CAPPUCCINO, CHARLES D., US  
[72] MOSBAUGH, JAMES DAVID, US  
[72] PHELAN, EDMUND L., US  
[73] COPPERHEAD CHEMICAL COMPANY, US  
[85] 2012-04-13  
[86] 2010-10-18 (PCT/US2010/053053)  
[87] (WO2011/047378)  
[30] US (61/252,296) 2009-10-16

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[13] C

[51] **Int.Cl. A61K 31/05 (2006.01)**  
[25] EN  
[54] **PTEROSTILBENE (PTER) FOR USE IN THE PREVENTION AND/OR TREATMENT OF SKIN DISEASES, DAMAGES OR INJURES**  
[54] **PTEROSTILBENE (PTER) DESTINE A ETRE UTILISE DANS LA PREVENTION ET/OU LE TRAITEMENT DES MALADIES, DES ATTEINTES OU DES LESIONS CUTANEEES**  
[72] ESTRELA ARIQUEL, JOSE MARIA, ES  
[72] ASENSI MIRALLES, MIGUEL A., ES  
[73] GREEN MOLECULAR S.L., ES  
[85] 2012-04-18  
[86] 2010-10-29 (PCT/EP2010/066544)  
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[13] C

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[25] EN  
[54] **MARINE PROPULSION DEVICE**  
[54] **DISPOSITIF DE PROPULSION MARITIME**  
[72] KODERA, MASANORI, JP  
[72] NANKE, YOSHIKI, JP  
[72] SHIRAISHI, KOICHI, JP  
[72] AIZAWA, YASUO, JP  
[72] SAITO, TOSHIYUKI, JP  
[73] NIIGATA POWER SYSTEMS CO., LTD., JP  
[85] 2012-04-24  
[86] 2010-08-20 (PCT/JP2010/064651)  
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[13] C

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[25] EN  
[54] **IGNITION SYSTEM CONTROL METHOD AND SYSTEM**  
[54] **PROCEDE DE COMMANDE D'UN SYSTEME D'ALLUMAGE ET SYSTEME**  
[72] OLSSON, JOHAN, SE  
[72] OLSSON, TIM, SE  
[73] SEM AKTIEBOLAG, SE  
[85] 2012-04-27  
[86] 2010-11-08 (PCT/SE2010/051216)  
[87] (WO2011/056141)  
[30] SE (0950836-7) 2009-11-06

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[13] C

[51] **Int.Cl. B65G 53/16 (2006.01) B65G 53/20 (2006.01)**  
[25] FR  
[54] **POTENTIAL FLUIDIZATION DEVICE FOR CONVEYING POWDER MATERIALS ONTO A HYPERDENSE BED**  
[54] **DISPOSITIF A FLUIDISATION POTENTIELLE, DESTINE AU CONVOYAGE DE MATERIAUX PULVERULENTS EN LIT HYPERDENSE**  
[72] PETIT, GOEFFREY, FR  
[72] HEMATI, MEHRDJI, FR  
[72] ROUSSEAU, JEAN-MARC, FR  
[73] RIO TINTO ALCAN INTERNATIONAL LIMITED, CA  
[85] 2012-05-02  
[86] 2010-10-19 (PCT/FR2010/000692)  
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[25] EN  
[54] **LIGHTNING PROTECTION FOR A NACELLE OF A WIND TURBINE**  
[54] **PROTECTION CONTRE LA Foudre POUR UNE NACELLE D'UNE EOLIENNE**  
[72] LEWKE, BASTIAN, DK  
[73] SIEMENS AKTIENGESELLSCHAFT, DE  
[85] 2012-05-10  
[86] 2010-02-23 (PCT/EP2010/052278)  
[87] (WO2011/057828)  
[30] EP (09014181.3) 2009-11-12

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[13] C

[51] **Int.Cl. D21H 27/00 (2006.01) A24D 1/02 (2006.01) D21H 19/24 (2006.01) D21H 21/34 (2006.01)**  
[25] EN  
[54] **LOW IGNITION PROPENSITY WRAPPING PAPER AND METHOD AND MACHINE OF MANUFACTURING SAME**  
[54] **PAPIER D'EMBALLAGE A FAIBLE PROPAGATION DE FLAMMES, SON PROCEDE DE FABRICATION ET MACHINE POUR SA FABRICATION**  
[72] KIDA, SHINZO, JP  
[72] IZUMIYA, TAKAFUMI, JP  
[72] TOWATARI, KEISUKE, JP  
[73] JAPAN TOBACCO INC., JP  
[85] 2012-05-16  
[86] 2009-11-25 (PCT/JP2009/069866)  
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[25] EN  
[54] **REDUCING OPTICAL LOSS IN REFLECTIVE OPTICAL GRATINGS**  
[54] **REDUCTION DES PERTES OPTIQUES DANS LES RESEAUX OPTIQUES REFLECHISSANTS**  
[72] FENG, DAZENG, US  
[72] ASGHARI, MEHDI, US  
[72] QIAN, WEI, US  
[72] KUNG, CHENG-CHIH, US  
[72] FONG, JOAN, US  
[73] MELLANOX TECHNOLOGIES SILICON PHOTONICS INC., US  
[85] 2012-05-22  
[86] 2010-11-17 (PCT/US2010/002997)  
[87] (WO2011/078878)  
[30] US (61/284,723) 2009-12-23

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[13] C

[51] **Int.Cl. A47J 31/44 (2006.01) A47J 31/06 (2006.01) A47J 31/36 (2006.01)**  
[25] EN  
[54] **ADAPTOR DEVICE FOR A MACHINE FOR PREPARING AND DISPENSING BEVERAGES OBTAINED BY MEANS OF INFUSION OF A POWDERY SUBSTANCE**  
[54] **DISPOSITIF ADAPTATEUR POUR MACHINE DE PREPARATION ET DE DISTRIBUTION DE BOISSONS OBTENUES PAR INFUSION D'UNE SUBSTANCE EN POUFRE**  
[72] ZANETTI, MARTINO, IT  
[73] HAUSBRANDT TRIESTE 1892 SPA, IT  
[85] 2012-05-29  
[86] 2010-07-23 (PCT/IT2010/000332)  
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[30] IT (TV2009A000149) 2009-07-23  
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[13] C

[51] **Int.Cl. C08L 23/02 (2006.01) C08L 23/04 (2006.01) C08L 61/10 (2006.01) C08L 75/04 (2006.01)**  
[25] EN  
[54] **THERMOPLASTIC POLYMER BLENDS COMPRISING DYNAMICALLY CROSSLINKED POLYURETHANE IN AN OLEFIN POLYMER MATRIX**  
[54] **MELANGES DE POLYMERES THERMOPLASTIQUES COMPRENANT DU POLYURETHANE DYNAMIQUEMENT RETICULE DANS UNE MATRICE DE POLYMERE OLEFINIQUE**  
[72] SUN, YABIN, CN  
[72] TAI, XIANGYANG, CN  
[72] FAN, LIQIANG, CN  
[73] DOW GLOBAL TECHNOLOGIES LLC, US  
[85] 2012-06-06  
[86] 2009-12-11 (PCT/CN2009/075514)  
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[13] C

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[25] EN  
[54] **PROCESS AND ADDITIVE TO IMPROVE ADHESION OF BUILDING COMPOSITIONS TO SUBSTRATES**  
[54] **PROCEDE ET ADDITIF POUR AMELIORER L'ADHERENCE DE COMPOSITIONS DE CONSTRUCTION A DES SUBSTRATS**  
[72] WILLIMANN, HONGLI, CH  
[72] KOELLIKER, ROBERT, CH  
[72] PUSTOVGAR, ANDREY PETROVICH, RU  
[72] WICKI, HANS, CH  
[72] HEINI, URS, CH  
[72] ABERLE, THOMAS, CH  
[73] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL  
[85] 2012-06-12  
[86] 2010-12-15 (PCT/EP2010/069690)  
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[25] EN  
[54] **SHEET FILTER MATERIALS WITH ADDITIVES**  
[54] **MATERIAUX DE FEUILLE FILTRANTE AVEC ADDITIFS**  
[72] RUSHFORTH, DAVID, GB  
[72] SAMPSON, JOHN, GB  
[73] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB  
[85] 2012-06-13  
[86] 2010-12-21 (PCT/GB2010/052169)  
[87] (WO2011/077138)  
[30] GB (0922253.0) 2009-12-21

[11] **2,784,487**

[13] C

- [51] **Int.Cl. C02F 1/52 (2006.01) C02F 1/56 (2006.01)**  
[25] EN  
[54] **DEOILING OF SAGD PRODUCE WATER**  
[54] **DESHUILAGE D'EAU PRODUITE ISSUE DE PROCEDE SAGD**  
[72] POLIZZOTTI, DAVID M., US  
[72] KHWAJA, ABDUL RAFI, US  
[73] GENERAL ELECTRIC COMPANY, US  
[85] 2012-06-14  
[86] 2010-12-15 (PCT/US2010/060448)  
[87] (WO2011/075513)  
[30] US (12/641,542) 2009-12-18

[11] **2,785,703**

[13] C

- [51] **Int.Cl. C09D 11/30 (2014.01) C09D 11/40 (2014.01)**  
[25] EN  
[54] **RHEOLOGY MODIFIED INK AND PRINTING PROCESS**  
[54] **ENCRE A RHEOLOGIE MODIFIEE ET PROCEDE D'IMPRESSON**  
[72] MHEIDLE, MICKAEL, CH  
[73] JK GROUP S.P.A., IT  
[85] 2012-06-26  
[86] 2010-12-21 (PCT/CH2010/000327)  
[87] (WO2011/079402)  
[30] US (61/290,658) 2009-12-29

[11] **2,786,040**

[13] C

- [51] **Int.Cl. F02C 7/06 (2006.01) F16C 19/10 (2006.01) F16C 23/08 (2006.01) F16C 27/08 (2006.01)**  
[25] EN  
[54] **GAS TURBINE ENGINE AND HIGH SPEED ROLLING ELEMENT BEARING SYSTEM**  
[54] **MOTEUR A TURBINE A GAZ ET SYSTEME DE PALIER A ELEMENTS ROULANTS A GRANDE VITESSE**  
[72] KACHINSKI, PAUL A., US  
[73] ROLLS-ROYCE CORPORATION, US  
[85] 2012-06-29  
[86] 2010-12-29 (PCT/US2010/062358)  
[87] (WO2011/139310)  
[30] US (61/290,834) 2009-12-29

[11] **2,786,833**

[13] C

- [51] **Int.Cl. C07D 311/58 (2006.01)**  
[25] EN  
[54] **PROCESS FOR THE PREPARATION OF NEBIVOLOL**  
[54] **PROCEDE DE PREPARATION DE NEBIVOLOL**  
[72] BARTOLI, SANDRA, IT  
[72] CIPOLLONE, AMALIA, IT  
[72] FATTORI, DANIELA, IT  
[73] MENARINI INTERNATIONAL OPERATIONS LUXEMBOURG S.A., LU  
[85] 2012-07-09  
[86] 2011-02-09 (PCT/EP2011/051876)  
[87] (WO2011/098474)  
[30] IT (RM2010A000053) 2010-02-11

[11] **2,786,863**

[13] C

- [51] **Int.Cl. B29D 11/00 (2006.01)**  
[25] EN  
[54] **METHOD FOR MAKING A HYBRID CONTACT LENS**  
[54] **PROCEDE DE FABRICATION D'UNE LENTILLE DE CONTACT HYBRIDE**  
[72] VEILLARD, EMMANUEL, FR  
[72] RENAULT, PASCAL, FR  
[72] LEBAILLY, JEAN-PHILIPPE, FR  
[73] LENTILLES, FR  
[85] 2012-07-11  
[86] 2011-02-18 (PCT/EP2011/052414)  
[87] (WO2011/104181)  
[30] FR (10/51338) 2010-02-25

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[13] C

- [51] **Int.Cl. H04L 12/24 (2006.01) H04W 8/18 (2009.01) H04L 12/851 (2013.01)**  
[25] EN  
[54] **NETWORK BASED SERVICE PROFILE MANAGEMENT WITH USER PREFERENCE, ADAPTIVE POLICY, NETWORK NEUTRALITY, AND USER PRIVACY**  
[54] **GESTION DE PROFIL DE SERVICE FONDEE SUR UN RESEAU PRENANT EN COMPTE LES PREFERENCES DE L'UTILISATEUR, UNE POLITIQUE ADAPTATIVE, LA NEUTRALITE DU RESEAU, ET LA CONFIDENTIALITE DE L'UTILISATEUR**  
[72] RALEIGH, GREGORY G., US  
[73] HEADWATER PARTNERS I LLC, US  
[85] 2012-07-11  
[86] 2010-01-18 (PCT/US2010/021301)  
[87] (WO2010/088080)  
[30] US (61/206,354) 2009-01-28  
[30] US (61/206,944) 2009-02-04  
[30] US (61/207,393) 2009-02-10  
[30] US (61/207,739) 2009-02-13  
[30] US (12/380,767) 2009-03-02

[11] **2,789,995**

[13] C

- [51] **Int.Cl. H04W 4/00 (2009.01) G06F 17/30 (2006.01)**  
[25] EN  
[54] **DEVICES AND METHOD FOR SEARCHING DATA ON DATA SOURCES ASSOCIATED WITH A CATEGORY**  
[54] **DISPOSITIFS ET PROCEDE DE RECHERCHE DE DONNEES SUR DES SOURCES DE DONNEES ASSOCIEES A UNE CATEGORIE**  
[72] KAUL, BHAVUK, US  
[72] NIRANJAN, KARTHIGESU, CA  
[72] IGNACZ, JENNIFER, CA  
[72] VYAS, SHILPA, GB  
[72] LINDSAY, DONALD JAMES, CA  
[72] BUKURAK, DAVID, CA  
[73] BLACKBERRY LIMITED, CA  
[85] 2012-08-15  
[86] 2011-02-15 (PCT/CA2011/050092)  
[87] (WO2011/097739)  
[30] US (61/304,665) 2010-02-15  
[30] US (61/327,355) 2010-04-23

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[13] C

[51] **Int.Cl. H04W 76/02 (2009.01) H04W 88/06 (2009.01)**  
[25] EN  
[54] **ADVANCED USER INTERFACE OPERATIONS IN A DUAL-MODE WIRELESS DEVICE**  
[54] **OPERATIONS D'INTERFACE UTILISATEUR AVANCEES DANS UN APPAREIL SANS FIL BIMODAL**  
[72] LAZARDIS, MIHAL, CA  
[72] MOUSSEAU, GARY P., CA  
[73] BLACKBERRY LIMITED, CA  
[86] (2790677)  
[87] (2790677)  
[22] 2002-12-06  
[62] 2,469,581  
[30] US (60/336,705) 2001-12-07

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[13] C

[51] **Int.Cl. G01N 35/10 (2006.01) A01H 5/00 (2006.01) C12M 3/00 (2006.01) C12Q 1/24 (2006.01) C40B 60/00 (2006.01) C40B 70/00 (2006.01) C12Q 1/68 (2006.01)**  
[25] EN  
[54] **TRANSFER STATION FOR PLANT MATERIAL SAMPLING AND TRACKING SYSTEM**  
[54] **STATION DE TRANSFERT POUR SYSTEME DE PRELEVEMENT D'ECHANTILLONS ET DE SUIVI DE MATIERE VEGETALE**  
[72] LAFFERTY, WILLIAM MICHAEL, US  
[72] BEAVER, SCOTT WAYNE, US  
[72] TWEEDY, CHARLES WILSON, US  
[72] GEORGE, ELIZABETH ANN, US  
[72] FRANDSEN, WALTER JAMES, JR., US  
[72] BARGHINI, ANTHONY DAVID, US  
[72] KLINE, DANIEL STEVEN, US  
[72] SWAMER, SHANE SCOTT, US  
[73] SYNGENTA PARTICIPATIONS AG, CH  
[85] 2012-08-23  
[86] 2010-02-26 (PCT/US2010/025620)  
[87] (WO2011/106019)

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[13] C

[51] **Int.Cl. A61K 31/137 (2006.01) A61K 31/341 (2006.01) A61K 45/06 (2006.01) A61P 29/02 (2006.01)**  
[25] EN  
[54] **COMBINATION OF A CENTRALLY-ACTING ANALGESIC AND A SELECTIVE CYCLOOXYGENASE - 2 INHIBITOR ANTI-INFLAMMATORY AGENT FOR THE TREATMENT OF INFLAMMATION AND PAIN IN THE VETERINARY FIELD**  
[54] **COMBINAISON D'UN ANALGESIQUE A ACTION CENTRALE ET D'UN AGENT ANTI-INFLAMMATOIRE INHIBITEUR SELECTIF DE LA CYCLOOXYGENASE 2 POUR LE TRAITEMENT DE L'INFLAMMATION ET DE LA DOULEUR DANS LE DOMAINE VETERINAIRE.**  
[72] FORMENTI, ANDREA, IT  
[72] FORMENTI, FILIPPO, IT  
[73] FORMEVET S.R.L., IT  
[85] 2012-08-23  
[86] 2011-02-17 (PCT/EP2011/052325)  
[87] (WO2011/104161)  
[30] IT (MI2010A000318) 2010-02-26

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[13] C

[51] **Int.Cl. B01J 23/75 (2006.01) B01J 35/10 (2006.01) B01J 37/10 (2006.01) B01J 37/18 (2006.01) C10G 2/00 (2006.01)**  
[25] EN  
[54] **FISCHER-TROPSCH SYNTHESIS CATALYST, MANUFACTURING METHOD THEREFOR, AND HYDROCARBON MANUFACTURING METHOD**  
[54] **CATALYSEUR DE SYNTHESE DE FISCHER-TROPSCH, L'UNE DE SES METHODES DE FABRICATION ET METHODE DE FABRICATION D'HYDROCARBURES**  
[72] ONO, HIDEKI, JP  
[72] NAGAYASU, YOSHIYUKI, JP  
[72] HAYASAKA, KAZUAKI, JP  
[73] JX NIPPON OIL & ENERGY CORPORATION, JP  
[85] 2012-08-27  
[86] 2011-02-14 (PCT/JP2011/053011)  
[87] (WO2011/108347)  
[30] JP (2010-049636) 2010-03-05

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[11] **2,792,772**  
[13] C

[51] **Int.Cl. H04W 12/08 (2009.01) H04W 8/18 (2009.01)**  
[25] EN  
[54] **DYNAMICALLY GENERATING PERIMETERS**  
[54] **PERIMETRES A GENERATION DYNAMIQUE**  
[72] MAY, DARRELL REGINALD, CA  
[72] CHERRY, CARL LLOYD, CA  
[72] CARDAMORE, DANIEL, CA  
[72] NAGARAJAN, SIVAKUMAR, CA  
[73] 2236008 ONTARIO INC., CA  
[73] BLACKBERRY LIMITED, CA  
[86] (2792772)  
[87] (2792772)  
[22] 2012-10-16  
[30] US (13/274,913) 2011-10-17

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[13] C

[51] **Int.Cl. G02B 6/40 (2006.01) G02B 6/44 (2006.01) H02G 15/113 (2006.01)**  
[25] EN  
[54] **OPTICAL CONNECTOR ORGANIZER**  
[54] **ORGANISEUR DE CONNECTEUR OPTIQUE**  
[72] DONALDSON, CHRISTOPHER, US  
[72] KIMBRELL, EDDIE, US  
[72] LICHOUAS, TED, US  
[73] AFL TELECOMMUNICATIONS LLC, US  
[85] 2012-09-11  
[86] 2011-03-25 (PCT/US2011/029960)  
[87] (WO2011/123354)  
[30] US (61/318,528) 2010-03-29



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[13] C

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[25] EN  
[54] **APPARATUS, AND ASSOCIATED METHOD, FOR SYNCHRONIZING A DATABASE**  
[54] **APPAREIL ET PROCEDE CONNEXE POUR SYNCHRONISER UNE BASE DE DONNEES**  
[72] MAY, DARRELL REGINALD, CA  
[72] EWANCHUK, ANDREW JOHN, CA  
[72] CHERRY, CARL LLOYD, CA  
[73] BLACKBERRY LIMITED, CA  
[86] (2793634)  
[87] (2793634)  
[22] 2012-10-29  
[30] US (61/556,769) 2011-12-05  
[30] US (13/414,503) 2012-03-07

[11] **2,793,722**  
[13] C

- [51] **Int.Cl. E21B 43/12 (2006.01) E21B 33/12 (2006.01) E21B 34/08 (2006.01)**  
[25] EN  
[54] **FLOW CONTROL DEVICE AND FLOW CONTROL METHOD**  
[54] **DISPOSITIF DE REGULATION DU DEBIT ET PROCEDE DE REGULATION DU DEBIT**  
[72] JOHANNESSEN, KJETIL, NO  
[73] STATOIL PETROLEUM AS, NO  
[85] 2012-09-18  
[86] 2010-03-18 (PCT/NO2010/000104)  
[87] (WO2011/115494)

[11] **2,797,426**  
[13] C

- [51] **Int.Cl. G06F 3/14 (2006.01) H04W 88/02 (2009.01) G06F 15/02 (2006.01)**  
[25] EN  
[54] **PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME**  
[54] **DISPOSITIF ELECTRONIQUE PORTABLE ET PROCEDE DE COMMANDE DE CELUI-CI**  
[72] KUO, MARGARET ELIZABETH, CA  
[72] STOVICEK, THOMAS JAN, US  
[72] HONG, YOOJIN, US  
[72] LANGLOIS, MICHAEL GEORGE, CA  
[72] CHEN, HENRY, CA  
[73] BLACKBERRY LIMITED, CA  
[85] 2012-10-25  
[86] 2011-04-26 (PCT/CA2011/000627)  
[87] (WO2011/134078)  
[30] US (61/328,136) 2010-04-26

[11] **2,798,397**  
[13] C

- [51] **Int.Cl. B66C 1/16 (2006.01)**  
[25] EN  
[54] **ADJUSTABLE MODULE LIFT ASSEMBLY**  
[54] **ENSEMBLE DE LEVEE DE MODULE REGLABLE**  
[72] HERMANN, ULRICH (RICK), CA  
[72] OLEARCZYK, JACEK, CA  
[73] PCL INDUSTRIAL MANAGEMENT INC., CA  
[86] (2798397)  
[87] (2798397)  
[22] 2012-12-10  
[30] US (61/704,219) 2012-09-21

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[13] C

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[25] EN  
[54] **THIOBIS PHENOLIC ANTIOXIDANT/POLYETHYLENE GLYCOL BLENDS**  
[54] **MELANGES D'ANTIOXYDANT THIOBISPHENOLIQUE ET DE POLYETHYLENE GLYCOL**  
[72] ADAMCZYK, ANTONI, US  
[72] EMLEY, DANIEL, US  
[72] DUNCHUS, NEIL, US  
[72] COGEN, JEFFREY M., US  
[73] UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC, US  
[85] 2012-11-19  
[86] 2011-06-08 (PCT/US2011/039546)  
[87] (WO2011/156442)  
[30] US (61/353,286) 2010-06-10  
[30] US (61/488,375) 2011-05-20

[11] **2,800,456**  
[13] C

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[25] EN  
[54] **DELIVERY PARTICLES**  
[54] **PARTICULES DE DISTRIBUTION**  
[72] DIHORA, JITEN ODHAVJI, US  
[72] SMETS, JOHAN, BE  
[72] SCHWANTES, TODD ARLIN, US  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 2012-10-17  
[86] 2010-05-12 (PCT/IB2010/052121)  
[87] (WO2010/079467)  
[30] US (61/328,962) 2010-04-28

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[13] C

- [51] **Int.Cl. B08B 3/02 (2006.01)**  
[25] EN  
[54] **ARENA CLEANER MACHINE AND METHOD FOR CLEANING AN ARENA**  
[54] **APPAREIL DE NETTOYAGE D'ARENA ET METHODE CONNEXE**  
[72] KLANOW, BRIAN, US  
[72] SIELOFF, PATRICK J., US  
[73] ARENASERV LLC, US  
[86] (2802434)  
[87] (2802434)  
[22] 2013-01-16  
[30] US (61/592,118) 2012-01-30

[11] **2,802,436**  
[13] C

- [51] **Int.Cl. H01H 9/02 (2006.01)**  
[25] EN  
[54] **REMOVABLE SHED SLEEVE FOR SWITCH**  
[54] **MANCHON AMOVIBLE POUR COMMUTATEUR HAUTE TENSION**  
[72] BORGSTROM, ALAN D., US  
[72] HIGGINS, KIERAN, US  
[73] THOMAS & BETTS INTERNATIONAL, LLC, US  
[86] (2802436)  
[87] (2802436)  
[22] 2013-01-21  
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[25] EN  
[54] **METHOD FOR AUTOMATIC MAXIMUM POWER REGULATION FOR X-RAY UNIT AND DEVICE NEEDED FOR THIS PURPOSE**  
[54] **PROCEDE DE REGULATION AUTOMATIQUE DE PUISSANCE MAXIMALE POUR UN EQUIPEMENT A RAYONS X ET DISPOSITIF NECESSAIRE A CETTE FIN**  
[72] DIAZ CARMENA, ANGEL, ES  
[72] GOMEZ RODRIGUEZ, ANIBAL, ES  
[72] DIAZ CARMENA, FRANCISCO, ES  
[73] SOCIEDAD ESPANOLA DE ELECTROMEDICINA Y CALIDAD, S.A., ES  
[85] 2012-12-12  
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[25] EN  
[54] **DUAL RIGIDITY SHOE SOLE**  
[54] **SEMELLE DE CHAUSSURE A DOUBLE RIGIDITE**  
[72] TORRANCE, TONY L., US  
[73] DASHAMERICA, INC. D/B/A PEARL IZUMI USA, INC., US  
[85] 2012-12-12  
[86] 2011-06-17 (PCT/US2011/040944)  
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[51] **Int.Cl. E21B 36/00 (2006.01)**  
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[54] **METHOD AND SYSTEM FOR CONTROLLING WELLBORE PRODUCTION TEMPERATURE**  
[54] **PROCEDE ET SYSTEME DE REGULATION DE LA TEMPERATURE DE PRODUCTION D'UN Puits DE FORAGE**  
[72] SCHNEIDER, MARVIN, US  
[73] WORLD ENERGY SYSTEMS INCORPORATED, US  
[86] (2803428)  
[87] (2803428)  
[22] 2013-01-24  
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[25] EN  
[54] **INSULATING GASKET CONSTRUCTION FOR HEAD-OF-WALL JOINTS**  
[54] **CONSTRUCTION ISOLANTE A JOINTS D'ETANCHEITE POUR JOINTS DE TETE DE MUR**  
[72] STAHL, JAMES P., JR., US  
[73] SPECIFIED TECHNOLOGIES INC., US  
[86] (2803439)  
[87] (2803439)  
[22] 2013-01-24  
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[30] US (61/686,038) 2012-03-29  
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[51] **Int.Cl. F16K 11/20 (2006.01) B01D 35/12 (2006.01)**  
[25] EN  
[54] **SWITCHING APPARATUS FOR A FLUID FLOW**  
[54] **DISPOSITIF DE COMMUTATION POUR UN ECOULEMENT DE FLUIDE**  
[72] SCHLICHTER, BERNHARD, DE  
[72] DEUTSCHMEYER, MANFRED, DE  
[73] HYDAC PROCESS TECHNOLOGY GMBH, DE  
[85] 2012-12-21  
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[30] DE (10 2010 025 153.4) 2010-06-25

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[25] EN  
[54] **PROCESS FOR THE SYNTHESIS OF SUBSTITUTED MORPHINANS**  
[54] **PROCEDE DE SYNTHESE DE MORPHINANES SUBSTITUES**  
[72] DUNCAN, SCOTT, US  
[73] ALKERMES PHARMA IRELAND LIMITED, IE  
[85] 2013-01-07  
[86] 2011-04-28 (PCT/US2011/034323)  
[87] (WO2012/005795)  
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[13] C

[51] **Int.Cl. A61M 1/00 (2006.01) A61B 13/00 (2006.01) A61B 18/20 (2006.01)**  
[25] EN  
[54] **SUCTION DEVICE FOR EVACUATING FUMES**  
[54] **DISPOSITIF D'ASPIRATION POUR EVACUER DES FUMES**  
[72] MILO, ANTON G.C., US  
[73] MILO, ANTON G.C., US  
[85] 2013-01-14  
[86] 2011-02-03 (PCT/US2011/023619)  
[87] (WO2012/173586)  
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[25] EN  
[54] **LED LIGHTING SYSTEM**  
[54] **SYSTEME D'ECLAIRAGE A DIODES ELECTROLUMINESCENTES**  
[72] FONTECCHIO, ADAM K., US  
[72] SHELDON, DONALD, US  
[72] EISELE, ERIC JON, US  
[73] DELOS LIVING, LLC, US  
[85] 2013-01-17  
[86] 2010-10-07 (PCT/US2010/051791)  
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[54] **METHOD AND APPARATUS FOR ROTARY MOLDING**  
[54] **PROCEDE ET APPAREIL POUR MOULAGE ROTATIF**  
[72] LINDEE, SCOTT A., US  
[72] HANSEN, DAVID, US  
[72] LAMARTINO, SALVATORE, US  
[72] BAUER, BRUCE, US  
[72] WOLCOTT, THOMAS C., US  
[72] ILL, STEVEN C., US  
[72] WIGHT, E., WILLIAM, US  
[73] FORMAX, INC., US  
[85] 2013-01-18  
[86] 2011-07-20 (PCT/US2011/044754)  
[87] (WO2012/012581)  
[30] US (61/366,033) 2010-07-20

[11] **2,806,235**

[13] C

- [51] **Int.Cl. H04L 27/26 (2006.01)**  
[25] EN  
[54] **CONSTRUCTING VERY HIGH THROUGHPUT SIGNAL (VHT-SIG) FIELDS FOR REDUCED PEAK-TO-AVERAGE POWER RATIO (PAPR)**  
[54] **CONSTRUCTION DE CHAMPS DE SIGNAUX A TRES HAUT DEBIT (VHT-SIG) DANS LE BUT DE REDUIRE UN FACTEUR DE CRETE MAXIMUM (PAPR, PEAK-TO-AVERAGE POWER RATIO)**  
[72] YANG, LIN, US  
[72] JONES, VINCENT KNOWLES, IV, US  
[72] VAN ZELST, ALBERT, US  
[72] SAMPATH, HEMANTH, US  
[72] VAN NEE, DIDIER JOHANNES RICHARD, NL  
[73] QUALCOMM INCORPORATED, US  
[85] 2013-01-21  
[86] 2011-08-10 (PCT/US2011/047256)  
[87] (WO2012/021624)  
[30] US (61/372,790) 2010-08-11  
[30] US (61/385,390) 2010-09-22  
[30] US (61/390,543) 2010-10-06  
[30] US (61/406,903) 2010-10-26  
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[13] C

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[25] EN  
[54] **METHOD FOR DEPRESSURIZING A NUCLEAR POWER PLANT, DEPRESSURIZATION SYSTEM FOR A NUCLEAR POWER PLANT, AND ASSOCIATED NUCLEAR POWER PLANT**  
[54] **PROCEDE DE DEPRESSURISATION D'UNE CENTRALE NUCLEAIRE, SYSTEME DE DEPRESSURISATION POUR UNE CENTRALE NUCLEAIRE ET CORRESPONDANTE**  
[72] ECKARDT, BERND, DE  
[72] LOSCH, NORBERT, DE  
[72] PASLER, CARSTEN, DE  
[73] AREVA GMBH, DE  
[85] 2013-01-23  
[86] 2011-07-18 (PCT/EP2011/003574)  
[87] (WO2012/025174)  
[30] DE (10 2010 035 509.7) 2010-08-25

[11] **2,806,408**

[13] C

- [51] **Int.Cl. A01C 7/08 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR CONTROLLING SOIL FINISH FROM AN AGRICULTURAL IMPLEMENT**  
[54] **SYSTEME ET PROCEDE POUR CONTROLER LA TEXTURE DU SOL A PARTIR D'UN INSTRUMENT ARATOIRE**  
[72] HENRY, JIM, CA  
[72] POSSELIUS, JOHN, US  
[73] CNH INDUSTRIAL CANADA, LTD., CA  
[86] (2806408)  
[87] (2806408)  
[22] 2013-02-20  
[30] US (13/571,071) 2012-08-09

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[13] C

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[25] EN  
[54] **PLASTICIZERS MADE FROM OIL EXTRACTED FROM MICROORGANISMS AND POLAR POLYMERIC COMPOSITIONS COMPRISING THE SAME**  
[54] **PLASTIFIANTS FABRIQUES A PARTIR D'UNE HUILE EXTRAITE DE MICROORGANISMES ET COMPOSITIONS POLYMERES POLAIRES LES COMPRENANT**  
[72] MAURER, BRIAN R., US  
[72] EATON, ROBERT F., US  
[72] ZINKWEG, DIRK B., US  
[72] HAN, SUH JOON, US  
[73] DOW GLOBAL TECHNOLOGIES LLC, US  
[85] 2013-01-23  
[86] 2011-07-28 (PCT/US2011/045653)  
[87] (WO2012/015997)  
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[25] EN

[54] **NOVEL AZO COMPOUND, AQUEOUS SOLUTION, INK COMPOSITION, INK FOR INKJET RECORDING, INKJET RECORDING METHOD, INK CARTRIDGE FOR INKJET RECORDING, AND INKJET RECORD**

[54] **NOUVEAU COMPOSE AZOIQUE, SOLUTION AQUEUSE, COMPOSE D'ENCRE, ENCRE POUR ENREGISTREMENT A JET D'ENCRE, PROCEDE D'ENREGISTREMENT A JET D'ENCRE, CARTOUCHE D'ENCRE POUR ENREGISTREMENT A JET D'ENCRE ET ENREGISTREMENT A JET D'ENCRE**

[72] TATEISHI, KEIICHI, GB  
[72] FUJIE, YOSHIHIKO, GB  
[72] TANAKA, SHIGEAKI, JP  
[73] FUJIFILM CORPORATION, JP  
[85] 2013-01-29  
[86] 2011-07-28 (PCT/JP2011/067194)  
[87] (WO2012/014955)  
[30] JP (2010-173182) 2010-07-30  
[30] JP (2011-019345) 2011-01-31  
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[11] **2,807,633**  
[13] C

[51] **Int.Cl. H04W 72/04 (2009.01) H04W 28/06 (2009.01)**

[25] EN

[54] **SIGNALING METHOD, BASE STATION APPARATUS, MOBILE TERMINAL APPARATUS AND RADIO COMMUNICATION SYSTEM**

[54] **PROCEDE DE SIGNALISATION, STATION BASE, TERMINAL MOBILE ET SYSTEME DE COMMUNICATION SANS FIL**

[72] ABE, TETSUSHI, JP  
[72] MIKI, NOBUHIKO, JP  
[72] OHWATARI, YUSUKE, JP  
[73] NTT DOCOMO, INC., JP  
[85] 2013-02-06  
[86] 2011-08-16 (PCT/JP2011/068547)  
[87] (WO2012/023551)  
[30] JP (2010-181868) 2010-08-16

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[13] C

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[54] **ANTI-CANCER ADENOVIRUSES**

[54] **ADENOVIRUS ANTICANCEREUX**

[72] O'SHEA, CLODAGH, US  
[72] POWERS, COLIN, US  
[73] SALK INSTITUTE FOR BIOLOGICAL STUDIES, US

[85] 2013-02-07  
[86] 2011-08-16 (PCT/US2011/048005)  
[87] (WO2012/024350)  
[30] US (61/374,215) 2010-08-16

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[13] C

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

[25] EN

[54] **DIGITAL CONSUMER DATA MODEL AND CUSTOMER ANALYTIC RECORD**

[54] **MODELE DE DONNEES DE CONSOMMATEUR NUMERIQUE ET DOSSIER D'ANALYSE DES CLIENTS**

[72] BOHE, ASTRID, DE  
[72] CERVINI, GIANLUCA, IT  
[72] ZOBBI, GIANLUCA, IT  
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE

[86] (2808096)  
[87] (2808096)  
[22] 2013-02-27  
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[13] C

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[25] EN

[54] **METHOD AND APPARATUS FOR MEASURING FLUID PROCESS VARIABLE IN A WELL**

[54] **PROCEDE ET DISPOSITIF DE MESURE D'UNE VARIABLE DE TRAITEMENT DE FLUIDE DANS UN PUIT**

[72] HEDTKE, ROBERT C., US  
[72] LU, LIANGIU, US  
[73] ROSEMOUNT INC., US

[85] 2013-02-12  
[86] 2011-08-09 (PCT/US2011/047027)  
[87] (WO2012/021485)  
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[13] C

[51] **Int.Cl. B65D 88/52 (2006.01) B60S 5/00 (2006.01) B65D 90/24 (2006.01) B67D 1/16 (2006.01) F16N 31/00 (2006.01)**

[25] EN

[54] **FLUID CONTAINMENT APPARATUS**

[54] **APPAREIL DE RETENTION DE FLUIDE**

[72] BEAK, TODD, US  
[72] JOHNSON, KURT, US  
[72] DOOLIN, DAVID, US  
[72] GUFFEE, RUSSELL J., US  
[73] BASIC CONCEPTS, INC., US

[86] (2808623)  
[87] (2808623)  
[22] 2013-03-08  
[30] US (13/605,355) 2012-09-06

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[11] **2,809,080**  
[13] C

[51] **Int.Cl. E04F 13/22 (2006.01) E04B 1/38 (2006.01)**

[25] EN

[54] **MOUNTING ARRANGEMENT FOR PANEL VENEER STRUCTURES**

[54] **SYSTEME DE MONTAGE POUR STRUCTURES EN PLACAGE**

[72] HOHMANN, RONALD P., JR., US  
[73] MITEK HOLDINGS, INC., US

[86] (2809080)  
[87] (2809080)  
[22] 2013-03-12  
[30] US (61/610,582) 2012-03-14

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[11] **2,810,565**  
[13] C

[51] **Int.Cl. H04B 3/54 (2006.01)**

[25] EN

[54] **UTILITY COMMUNICATION METHOD AND SYSTEM**

[54] **PROCEDE ET SYSTEME DE COMMUNICATION POUR SERVICES D'UTILITE PUBLIQUE**

[72] BENNINGER, HANS, CH  
[72] CACHIN, DOMINIQUE, CH  
[72] COMINO, ROMEO, CH  
[73] ABB TECHNOLOGY AG, CH

[85] 2013-03-06  
[86] 2011-09-15 (PCT/EP2011/065989)  
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[13] C

[51] **Int.Cl. E21B 34/06 (2006.01) E21B 33/16 (2006.01) E21B 34/00 (2006.01)**  
[25] EN  
[54] **REMOTELY OPERATED ISOLATION VALVE**  
[54] **VANNE D'ISOLEMENT TELECOMMANDEE**  
[72] NOSKE, JOE, US  
[72] SMITH, RODDIE R., GB  
[72] SMITH, PAUL L., US  
[72] BAILEY, THOMAS F., US  
[72] MCDOWELL, CHRISTOPHER L., US  
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US  
[85] 2013-03-11  
[86] 2011-09-20 (PCT/US2011/052407)  
[87] (WO2012/040235)  
[30] US (61/384,591) 2010-09-20  
[30] US (61/492,012) 2011-06-01

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[13] C

[51] **Int.Cl. B61H 1/00 (2006.01) B61H 13/20 (2006.01)**  
[25] EN  
[54] **RAILWAY TRUCK MOUNTED BRAKE RIGGING HAVING RAISED CONNECTION OF FORCE-TRANSMITTING MEMBER WITH TRANSFER LEVER**  
[54] **TIMONERIE DE FREIN MONTEE SUR UN VEHICULE FERROVIAIRE COMPORTANT UNE LIAISON SURELEVEE D'UN ELEMENT TRANSMETTEUR DE FORCE AVEC UN LEVIER DE TRANSFERT**  
[72] MARLOW, JONATHON, US  
[72] GREGAR, PETER, US  
[73] WABTEC HOLDING CORP., US  
[85] 2013-03-12  
[86] 2011-09-27 (PCT/US2011/053435)  
[87] (WO2012/050825)  
[30] US (12/901,763) 2010-10-11

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[11] **2,811,244**  
[13] C

[51] **Int.Cl. H04W 60/00 (2009.01) H04W 64/00 (2009.01)**  
[25] EN  
[54] **METHODS AND APPARATUS TO PROVIDE TIME ZONE INFORMATION TO A MOBILE STATION**  
[54] **PROCEDES ET APPAREIL POUR FOURNIR DES INFORMATIONS DE FUSEAU HORAIRE A UNE STATION MOBILE**  
[72] WIJAYANATHAN, MAIYURAN, CA  
[72] NAQVI, NOUSHAD, CA  
[73] BLACKBERRY LIMITED, CA  
[85] 2013-03-13  
[86] 2011-09-15 (PCT/CA2011/050564)  
[87] (WO2012/034234)  
[30] US (12/883,009) 2010-09-15

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[11] **2,813,091**  
[13] C

[51] **Int.Cl. F03G 6/06 (2006.01) F01K 11/02 (2006.01)**  
[25] EN  
[54] **SOLAR ENERGY GENERATION METHOD AND SYSTEM USING BIOMASS BOILER AS AUXILIARY HEAT SOURCE**  
[54] **PROCEDE ET SYSTEME DE PRODUCTION D'ENERGIE SOLAIRE UTILISANT UNE CHAUDIERE A BIOMASSE COMME SOURCE DE CHALEUR AUXILIAIRE**  
[72] YANG, QINGPING, CN  
[72] ZHANG, YANFENG, CN  
[72] LI, HONG, CN  
[73] WUHAN KAIDI ENGINEERING TECHNOLOGY RESEARCH INSTITUTE CO., LTD., CN  
[85] 2013-03-28  
[86] 2011-08-11 (PCT/CN2011/078241)  
[87] (WO2012/041125)  
[30] CN (201010298986.7) 2010-09-29

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[11] **2,813,234**  
[13] C

[51] **Int.Cl. F03D 7/00 (2006.01)**  
[25] EN  
[54] **METHODS AND SYSTEMS FOR OPERATING A WIND TURBINE IN NOISE REDUCED OPERATION MODES**  
[54] **PROCEDES ET SYSTEMES PERMETTANT DE FAIRE FONCTIONNER UNE EOLIENNE EN MODES A BRUIT REDUIT**  
[72] SCHOLTE-WASSINK, HARTMUT, DE  
[72] HONHOFF, SASKIA, DE  
[72] PETITJEAN, BENOIT, DE  
[73] GENERAL ELECTRIC COMPANY, US  
[86] (2813234)  
[87] (2813234)  
[22] 2013-04-18  
[30] US (13/454,731) 2012-04-24

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[11] **2,815,677**  
[13] C

[51] **Int.Cl. B65D 75/36 (2006.01)**  
[25] EN  
[54] **MULTI-COMPARTMENT PACKAGE FOR CONSUMABLE PRODUCTS, AND METHOD FOR CONFIGURING AND USING SUCH A PACKAGE**  
[54] **EMBALLAGE MULTI-COMPARTMENT POUR PRODUITS CONSOMMABLES, ET PROCEDE DE CONFIGURATION ET D'UTILISATION D'UN TEL EMBALLAGE**  
[72] SAFARIK, KRISTY, US  
[73] WM. WRIGLEY JR. COMPANY, US  
[85] 2013-04-23  
[86] 2011-11-11 (PCT/US2011/060327)  
[87] (WO2012/065040)  
[30] US (61/413,123) 2010-11-12

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[11] **2,816,767**  
[13] C

[51] **Int.Cl. H04L 25/00 (2006.01) G01V 3/12 (2006.01) G06K 7/10 (2006.01) H04L 7/02 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR DETECTING RFID SIGNALS**

[54] **APPAREIL ET PROCEDE DE DETECTION DE SIGNAUX RFID**

[72] REZAYEE, AFSHIN, CA

[72] YANG, YUE, CA

[73] SQUARE, INC., US

[85] 2013-05-02

[86] 2011-10-26 (PCT/CA2011/001185)

[87] (WO2012/058749)

[30] US (12/917,901) 2010-11-02

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[11] **2,817,304**  
[13] C

[51] **Int.Cl. E21B 17/02 (2006.01)**

[25] EN

[54] **A DOWNHOLE TOOL COUPLING AND METHOD OF ITS USE**

[54] **ACCOUPLMENT D'OUTILS DE FOND DE TROU ET SA METHODE D'UTILISATION**

[72] PIKE, JAMES ARTHUR, GB

[73] REEVES WIRELINE TECHNOLOGIES LIMITED, GB

[86] (2817304)

[87] (2817304)

[22] 2013-05-29

[30] GB (1209805.9) 2012-06-01

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[11] **2,817,979**  
[13] C

[51] **Int.Cl. B64D 11/06 (2006.01)**

[25] EN

[54] **STOWABLE PASSENGER SEAT TRAY TABLE**

[54] **TABLETTE DE SIEGE DE PASSAGER ESCAMOTABLE**

[72] MOULTON, KRISTOPHER C., US

[72] CURLEY, NATHANAEL M., US

[72] SMITH, MICHAEL H., US

[73] BE AEROSPACE INC., US

[85] 2013-05-14

[86] 2011-11-18 (PCT/US2011/061366)

[87] (WO2012/074787)

[30] US (12/956,672) 2010-11-30

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[11] **2,818,404**  
[13] C

[51] **Int.Cl. D03D 1/00 (2006.01) A41D 7/00 (2006.01) D03D 11/00 (2006.01) D03D 15/08 (2006.01)**

[25] EN

[54] **CLOTH FOR SWIMSUITS, AND SWIMSUIT**

[54] **TISSU TISSE POUR COSTUMES DE BAIN, ET COSTUME DE BAIN**

[72] NIWA, UJITERU, JP

[72] KASAHARA, KEIKO, JP

[72] WATANABE, AKIRA, JP

[72] DATE, HIROAKI, JP

[73] TORAY INDUSTRIES, INC., JP

[85] 2013-05-16

[86] 2011-11-07 (PCT/JP2011/075535)

[87] (WO2012/073648)

[30] JP (2010-268016) 2010-12-01

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[11] **2,818,418**  
[13] C

[51] **Int.Cl. A46B 5/02 (2006.01)**

[25] EN

[54] **TOOTHBRUSH HAVING A GRIPPING REGION**

[54] **BROSSE A DENTS DOTEE D'UNE REGION DE PRISE**

[72] MOHR, JUERGEN, DE

[72] VITT, MARTIN, DE

[72] MAROTTI, MARTIN JAY, US

[72] MONROE, DANIEL JAY, US

[72] STOERKEL, JENS, DE

[73] BRAUN GMBH, DE

[85] 2013-05-16

[86] 2011-11-21 (PCT/US2011/061641)

[87] (WO2012/071322)

[30] US (61/416,119) 2010-11-22

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[11] **2,818,841**  
[13] C

[51] **Int.Cl. B62D 55/253 (2006.01)**

[25] EN

[54] **RUBBER TRACK**

[54] **CHENILLE EN CAOUTCHOUC**

[72] NOMIZO, JUICHI, JP

[73] BRIDGESTONE CORPORATION, JP

[85] 2013-05-22

[86] 2011-11-24 (PCT/JP2011/077024)

[87] (WO2012/070609)

[30] JP (2010-262579) 2010-11-25

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[11] **2,819,155**  
[13] C

[51] **Int.Cl. E21B 19/07 (2006.01) E21B 19/10 (2006.01) E21B 19/16 (2006.01) E21B 47/00 (2012.01)**

[25] EN

[54] **ELECTRONIC CONTROL SYSTEM FOR A TUBULAR HANDLING TOOL**

[54] **SYSTEME DE COMMANDE ELECTRONIQUE POUR UN OUTIL DE MANIPULATION DE TUBULURE**

[72] WIEDECKE, MICHAEL, DE

[72] THIEMANN, BJOERN, DE

[72] HEIDECHE, KARSTEN, US

[72] LIESS, MARTIN, DE

[72] HELMS, MARTIN, DE

[72] HOOKER, JOHN D., II, US

[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US

[85] 2013-05-27

[86] 2011-12-15 (PCT/US2011/065218)

[87] (WO2012/083050)

[30] US (61/424,575) 2010-12-17

[30] US (61/516,609) 2011-04-05

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[11] **2,819,353**  
[13] C

[51] **Int.Cl. A61B 5/0452 (2006.01) A61N 1/36 (2006.01)**

[25] EN

[54] **DETECTING OR VALIDATING A DETECTION OF A STATE CHANGE FROM A TEMPLATE OF HEART RATE DERIVATIVE SHAPE OR HEART BEAT WAVE COMPLEX**

[54] **DETECTION OU VALIDATION D'UNE DETECTION D'UN CHANGEMENT D'ETAT A PARTIR D'UN MODELE DE FORME DE DERIVEE DE FREQUENCE CARDIAQUE OU DE COMPLEXE D'ONDE DE BATTEMENT CARDIAQUE**

[72] OSORIO, IVAN, US

[72] FREI, MARK G., US

[73] FLINT HILLS SCIENTIFIC, LLC, US

[85] 2013-05-29

[86] 2011-09-15 (PCT/US2011/051776)

[87] (WO2012/037359)

[30] US (12/884,051) 2010-09-16

[30] US (12/886,419) 2010-09-20

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[11] **2,819,764**  
[13] C

[51] **Int.Cl. H04W 8/20 (2009.01) G06F 21/00 (2013.01) H04L 29/06 (2006.01)**  
[25] EN  
[54] **METHOD FOR DOWNLOADING A SUBSCRIPTION IN AN UICC EMBEDDED IN A TERMINAL**  
[54] **PROCEDE POUR TELECHARGER UN ABONNEMENT DANS UN UICC INCORPORE DANS UN TERMINAL**  
[72] BRADLEY, PAUL, US  
[73] GEMALTO SA, FR  
[85] 2013-06-03  
[86] 2011-12-02 (PCT/EP2011/071674)  
[87] (WO2012/076424)  
[30] EP (10306359.0) 2010-12-06

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[11] **2,820,280**  
[13] C

[51] **Int.Cl. G06F 3/0481 (2013.01) G06F 3/14 (2006.01)**  
[25] EN  
[54] **DISPLAYING CONTENT ITEMS IN A GRAPHICAL USER INTERFACE**  
[54] **AFFICHAGE D'ELEMENTS DE CONTENUS DANS UNE INTERFACE UTILISATEUR GRAPHIQUE**  
[72] GARDENFORS, DAN ZACHARIAS, SE  
[73] BLACKBERRY LIMITED, CA  
[86] (2820280)  
[87] (2820280)  
[22] 2013-07-04  
[30] EP (12175430.3) 2012-07-06

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[11] **2,820,395**  
[13] C

[51] **Int.Cl. C12N 5/074 (2010.01) C12N 5/0775 (2010.01) C12N 15/12 (2006.01) C12Q 1/68 (2006.01)**  
[25] EN  
[54] **SUB-TOTIPOTENT STEM CELL PRODUCT AND EPIGENETIC MODIFICATION LABEL THEREOF**  
[54] **PRODUIT SOUCHE CELLULAIRE SUB-TOTIPOTENTE ET SON LABEL MODIFICATEUR HEREDITAIRE APPARENT**  
[72] ZHAO, CHUNHUA, CN  
[72] LI, JING, CN  
[72] LI, HONGLING, CN  
[72] CHEN, JIANHE, CN  
[72] HAN, QIN, CN  
[72] LI, KANGHUA, CN  
[72] WANG, JING, CN  
[73] NEWISH TECHNOLOGY (BEIJING) CO., LTD., CN  
[85] 2013-06-06  
[86] 2011-12-02 (PCT/CN2011/083380)  
[87] (WO2012/075912)  
[30] CN (PCT/CN2010/079608) 2010-12-09

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[11] **2,820,839**  
[13] C

[51] **Int.Cl. A61B 17/64 (2006.01) A61B 17/66 (2006.01)**  
[25] EN  
[54] **ADJUSTMENT TOOL FOR EXTERNAL FIXATOR**  
[54] **OUTIL D'AJUSTEMENT POUR FIXATEUR EXTERNE**  
[72] VERMA, UMESH, IN  
[72] MATHUR, USHA, IN  
[72] DORAWA, KLAUS, DE  
[73] STRYKER EUROPEAN HOLDINGS I, LLC, US  
[85] 2013-06-07  
[86] 2011-12-09 (PCT/EP2011/072348)  
[87] (WO2012/076695)  
[30] EP (10194328.0) 2010-12-09

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[11] **2,820,872**  
[13] C

[51] **Int.Cl. H04N 7/15 (2006.01)**  
[25] EN  
[54] **TRANSMISSION MANAGEMENT APPARATUS**  
[54] **APPAREIL DE GESTION DE TRANSMISSION**  
[72] KATO, YOSHINAGA, JP  
[72] OKUYAMA, TARO, JP  
[73] RICOH COMPANY, LIMITED, JP  
[85] 2013-06-07  
[86] 2012-02-22 (PCT/JP2012/055011)  
[87] (WO2012/118105)  
[30] JP (2011-042365) 2011-02-28  
[30] JP (2011-236251) 2011-10-27

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[11] **2,820,971**  
[13] C

[51] **Int.Cl. G06F 3/0481 (2013.01) G06F 3/0488 (2013.01) G06F 3/14 (2006.01)**  
[25] EN  
[54] **SELECTIVE INBOX ACCESS IN HOMESCREEN MODE ON A MOBILE ELECTRONIC DEVICE**  
[54] **ACCES DE BOITE DE RECEPTION SELECTIF EN MODE D'ECRAN D'ACCUEIL SUR UN APPAREIL ELECTRONIQUE MOBILE**  
[72] BUKURAK, DAVID, CA  
[72] SANCHEZ, THOMAS C., US  
[72] LAZARIDIS, MIHAL, CA  
[72] LINDSAY, DONALD J., CA  
[72] WOOD, TODD A., CA  
[72] GRIFFIN, JASON T., CA  
[72] HAMILTON, ALISTAIR R., CA  
[72] PAYNE, ROBERT D., CA  
[72] BOCKING, ANDREW D., CA  
[72] RYDENHAG, DANIEL T., SE  
[72] BENEDEK, JOSEPH E., CA  
[72] DODGE, DANNY T., CA  
[73] BLACKBERRY LIMITED, CA  
[73] 2236008 ONTARIO INC., CA  
[86] (2820971)  
[87] (2820971)  
[22] 2013-07-16  
[30] US (61/678,391) 2012-08-01  
[30] US (13/706,871) 2012-12-06

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[11] **2,821,357**  
[13] C

[51] **Int.Cl. C08L 23/12 (2006.01) C08J 3/22 (2006.01) C08K 3/22 (2006.01) C08K 3/26 (2006.01) C08K 5/098 (2006.01) C08K 5/13 (2006.01) C08L 23/06 (2006.01)**

[25] EN

[54] **OXO-BIODEGRADABLE ADDITIVES FOR USE IN FOSSIL FUEL POLYMER FILMS AND ONCE-USED PACKAGING**

[54] **ADDITIFS OXO-BIODEGRADABLES DESTINES A ETRE UTILISES DANS DES FILMS POLYMERES COMBUSTIBLES FOSSILES ET UN EMBALLAGE A USAGE UNIQUE**

[72] RAHMAN, AMAN UR, AE  
[73] ENERPLASTICS LLC, AE  
[85] 2013-06-12  
[86] 2011-12-20 (PCT/CA2011/001385)  
[87] (WO2012/088585)  
[30] CA (2726602) 2010-12-30

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[11] **2,821,791**  
[13] C

[51] **Int.Cl. C12N 1/14 (2006.01) C12P 21/04 (2006.01)**

[25] EN

[54] **HIGH-YIELD PEPTIDE ANTIBIOTICS PRODUCING STRAIN, PREPARATION METHOD AND USE THEREOF**

[54] **SOUICHE SURPRODUIANT UN ANTIBIOTIQUE PEPTIDIQUE, METHODE POUR SA PREPARATION ET SON UTILISATION**

[72] CHEN, YI, CN  
[72] LIU, SHIDONG, CN  
[72] ZHANG, ZHAOLI, CN  
[72] WANG, CHUNXIA, CN  
[72] KANG, JING, CN  
[72] JI, XIAOMING, CN  
[73] SHANGHAI TECHWELL BIOPHARMACEUTICAL CO., LTD., CN  
[85] 2013-06-14  
[86] 2011-12-15 (PCT/CN2011/084043)  
[87] (WO2012/079521)  
[30] CN (201010587865.4) 2010-12-15

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[11] **2,822,032**  
[13] C

[51] **Int.Cl. H04L 12/16 (2006.01) H04W 4/02 (2009.01) G06Q 30/02 (2012.01)**

[25] EN

[54] **PROVIDING RELEVANT NOTIFICATIONS FOR A USER BASED ON LOCATION AND SOCIAL INFORMATION**

[54] **FOURNITURE DE NOTIFICATIONS PERTINENTES A UN UTILISATEUR SUR LA BASE D'INFORMATIONS DE LOCALISATION ET D'INFORMATIONS SOCIALES**

[72] TSENG, ERICK, US  
[72] BRAGINSKY, DAVID EDWARD, US  
[73] FACEBOOK, INC., US  
[85] 2013-06-17  
[86] 2011-11-18 (PCT/US2011/061544)  
[87] (WO2012/087472)  
[30] US (12/977,027) 2010-12-22

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[11] **2,822,135**  
[13] C

[51] **Int.Cl. G09F 9/30 (2006.01) G09F 7/18 (2006.01)**

[25] EN

[54] **DYNAMIC MESSAGING SIGN**

[54] **PANNEAU D'AFFICHAGE DYNAMIQUE**

[72] SAFAVI, RAMIN, CA  
[72] POON, RAYMOND SIU MING, CA  
[72] VOLONCHINE, VLADIMIR A., CA  
[72] WONG, COEMAN LAM SANG, CA  
[73] LUMINATOR HOLDING, L.P., US  
[86] (2822135)  
[87] (2822135)  
[22] 2003-07-16  
[62] 2,759,092  
[30] US (60/437,029) 2002-12-31

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[11] **2,822,190**  
[13] C

[51] **Int.Cl. H04W 28/12 (2009.01)**

[25] EN

[54] **COMMUNICATION APPARATUS AND METHODS FOR PERFORMING RECEIVING PROCESSING OF DATA TRANSMITTED AT PREDETERMINED INTERVALS**

[54] **APPAREIL DE COMMUNICATION ET PROCEDES POUR EFFECTUER LE TRAITEMENT DE RECEPTION DES DONNEES TRANSMISES A INTERVALLES PREDETERMINEES**

[72] OBUCHI, KAZUHISA, JP  
[72] KAWASAKI, YOSHIHIRO, JP  
[72] TAJIMA, YOSHIHARU, JP  
[72] OHTA, YOSHIKI, JP  
[72] TANAKA, YOSHINORI, JP  
[72] SUGIYAMA, KATSUMASA, JP  
[73] FUJITSU LIMITED, JP  
[86] (2822190)  
[87] (2822190)  
[22] 2008-07-30  
[62] 2,638,391  
[30] JP (2007-208765) 2007-08-10

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[11] **2,822,650**  
[13] C

[51] **Int.Cl. F21K 9/61 (2016.01) F21V 29/80 (2015.01) F21K 9/238 (2016.01) F21K 9/278 (2016.01) F21K 9/64 (2016.01) F21V 5/00 (2015.01)**

[25] EN

[54] **LIGHT ASSEMBLY HAVING LIGHT SOURCES AND ADJACENT LIGHT TUBES**

[54] **ENSEMBLE LAMPE DOTE DE SOURCES LUMINEUSES ET DE TUBES DE LAMPE ADJACENTS**

[72] DASSANAYAKE, MAHENDRA, US  
[72] FEDELE, GENNARO, US  
[72] KARCHON, JAMES A., US  
[72] HIRANTHINI, ALLES, US  
[73] ELUMIGEN LLC, US  
[85] 2013-06-20  
[86] 2011-12-22 (PCT/US2011/066914)  
[87] (WO2012/092140)  
[30] US (61/428,366) 2010-12-30  
[30] US (13/334,695) 2011-12-22



**Brevets canadiens délivrés**  
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[11] **2,823,685**  
[13] C

[51] **Int.Cl. G06Q 20/00 (2012.01)**  
[25] EN  
[54] **MULTI-COMMERCE CHANNEL WALLET FOR AUTHENTICATED TRANSACTIONS**  
[54] **PORTEFEUILLE UTILISANT DES CANAUX DE COMMERCE MULTIPLES POUR EFFECTUER DES TRANSACTIONS AUTHENTIFIÉES**  
[72] WONG, SHOON PING, US  
[72] MOY, KENNETH CHUNG LEM, US  
[72] MARTIG, CELINE, SG  
[72] FOUREZ, PABLO, BE  
[72] MUSHING, ALAN, GB  
[72] LUNDEQUIST, FREDRIK, BE  
[72] AMEISS, MICHAEL, US  
[72] SHAON, MICHAEL, US  
[73] MASTERCARD INTERNATIONAL, INC., US  
[85] 2013-07-03  
[86] 2011-08-12 (PCT/US2011/047678)  
[87] (WO2012/021864)  
[30] US (61/372,955) 2010-08-12  
[30] US (61/468,847) 2011-03-29

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[11] **2,823,706**  
[13] C

[51] **Int.Cl. H05K 1/18 (2006.01) H05K 3/30 (2006.01)**  
[25] EN  
[54] **Z-DIRECTED CAPACITOR COMPONENTS FOR PRINTED CIRCUIT BOARDS**  
[54] **COMPOSANTS CAPACITIFS ORIENTÉS DANS LE SENS Z POUR CARTES DE CIRCUIT IMPRIME**  
[72] HARDIN, KEITH BRYAN, US  
[72] FESSLER, JOHN THOMAS, US  
[72] HALL, PAUL KEVIN, US  
[72] OGLESBEE, ROBERT AARON, US  
[73] LEXMARK INTERNATIONAL, INC., US  
[85] 2013-07-03  
[86] 2011-01-21 (PCT/US2011/022012)  
[87] (WO2012/099598)

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[11] **2,823,799**  
[13] C

[51] **Int.Cl. H04W 4/00 (2009.01) H04W 88/02 (2009.01) G06Q 30/02 (2012.01)**  
[25] EN  
[54] **TARGETED CONTENT STREAMING BANNERS**  
[54] **BANNIÈRES DE TRANSMISSION EN CONTINU DE CONTENU CIBLE**  
[72] RADAR, OLIVIER JACQUES ALEXANDRE, CA  
[73] BLACKBERRY LIMITED, CA  
[86] (2823799)  
[87] (2823799)  
[22] 2013-08-12  
[30] EP (12180346.4) 2012-08-13

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[11] **2,824,857**  
[13] C

[51] **Int.Cl. A61L 9/01 (2006.01) A61L 9/014 (2006.01) A61L 15/46 (2006.01) C11D 3/00 (2006.01) C11D 3/50 (2006.01)**  
[25] EN  
[54] **COMPOSITIONS COMPRISING METALLATED MALODOR CONTROL POLYMERS**  
[54] **COMPOSITIONS COMPRENANT DES POLYMERES AGISSANT CONTRE LES MAUVAISES ODEURS METALLISES**  
[72] WOO, RICKY AH-MAN, US  
[72] EYLEM, CAHIT, US  
[72] AZIRBAYEVA, LARISSA, US  
[72] LIU, ZAIYOU, US  
[72] NAIR, RADHAKRISHNAN JANARDANAN, JP  
[72] JOHNSTONE, KEVIN ROBERT, US  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 2013-07-15  
[86] 2012-01-11 (PCT/US2012/020884)  
[87] (WO2012/097033)  
[30] US (13/006,644) 2011-01-14

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[11] **2,825,998**  
[13] C

[51] **Int.Cl. G01J 3/44 (2006.01)**  
[25] EN  
[54] **SUPERIOR ANALYZER FOR RAMAN SPECTRA WITH HIGH ACCEPTANCE CONE, RESOLUTION, TRANSMISSION, AND QUANTUM EFFICIENCY, AND STRONG BACKGROUND REDUCTION**  
[54] **ANALYSEUR SUPERIEUR POUR SPECTRES RAMAN A RENDEMENT QUANTIQUE ELEVE, RENDEMENT DE TRANSMISSION ELEVE, RENDEMENT DE RESOLUTION ELEVE ET CONE D'ADMISSION A RENDEMENT ELEVE, ET REDUCTION PUISSANTE D'ARRIERE-PLAN**  
[72] FINK, MANFRED, US  
[72] VARGHESE, PHILIP, US  
[72] BORYSOW, JACEK, US  
[73] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US  
[73] MICHIGAN TECHNOLOGICAL UNIVERSITY, US  
[85] 2013-07-29  
[86] 2011-01-28 (PCT/US2011/022884)  
[87] (WO2011/094513)  
[30] US (61/299,555) 2010-01-29

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[11] **2,826,085**  
[13] C

[51] **Int.Cl. H04B 7/0452 (2017.01)**  
[25] EN  
[54] **DOWNLINK MULTI-USER INTERFERENCE ALIGNMENT SCHEME**  
[54] **SYSTEME D'ALIGNEMENT D'INTERFERENCES MULTI-UTILISATEURS EN LIAISON DESCENDANTE**  
[72] BAYESTEH, ALIREZA, CA  
[72] MOBASHER, AMIN, CA  
[72] JIA, YONGKANG, CA  
[73] BLACKBERRY LIMITED, CA  
[85] 2013-07-30  
[86] 2011-02-01 (PCT/IB2011/050426)  
[87] (WO2012/104675)

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[11] **2,826,399**  
[13] C

[51] **Int.Cl. H04W 36/00 (2009.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR AVOIDING IN-DEVICE COEXISTENCE INTERFERENCE WITH KEEPING TIME UPDATE FOR HANDOVER**  
[54] **PROCEDE ET DISPOSITIF POUR EVITER DES INTERFERENCES DE COEXISTENCE A L'INTERIEUR D'UN APPAREIL PAR ACTUALISATION D'UN TEMPS DE GARDE POUR LE TRANSFERT**  
[72] KOO, CHANGHOI, US  
[72] LI, JUN, US  
[72] CAI, ZHIJUN, US  
[73] BLACKBERRY LIMITED, CA  
[85] 2013-08-01  
[86] 2012-02-17 (PCT/US2012/025595)  
[87] (WO2012/112859)  
[30] US (61/444,672) 2011-02-18  
[30] US (13/069,828) 2011-03-23

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[11] **2,826,409**  
[13] C

[51] **Int.Cl. F03D 1/06 (2006.01) F16B 11/00 (2006.01)**  
[25] EN  
[54] **ATTACHMENT SYSTEM FOR A WIND TURBINE ROTOR BLADE ACCESSORY**  
[54] **MECANISME DE FIXATION POUR UN ACCESSOIRE DE LAME DE ROTOR D'EOLIENNE**  
[72] JACOBSEN, ERIC MORGAN, US  
[72] BUSBEY, BRUCE CLARK, US  
[72] ZHU, QI, US  
[72] RIDDELL, SCOTT GABELL, US  
[72] ESSER, JUERGEN, US  
[72] BAKHUIS, JAN WILLEM, US  
[72] NAGABHUSHANA, PRADEEPA, US  
[73] GENERAL ELECTRIC COMPANY, US  
[86] (2826409)  
[87] (2826409)  
[22] 2013-09-05  
[30] US (13/609,719) 2012-09-11

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[11] **2,826,494**  
[13] C

[51] **Int.Cl. E21B 43/241 (2006.01) E21B 43/22 (2006.01) E21B 43/24 (2006.01)**  
[25] EN  
[54] **IMPROVING RECOVERY FROM A HYDROCARBON RESERVOIR**  
[54] **AMELIORATION DE LA RECUPERATION D'UN RESERVOIR D'HYDROCARBURES**  
[72] KHALEDI, RAHMAN, CA  
[72] BOONE, THOMAS J., CA  
[73] IMPERIAL OIL RESOURCES LIMITED, CA  
[86] (2826494)  
[87] (2826494)  
[22] 2013-09-09

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[11] **2,826,943**  
[13] C

[51] **Int.Cl. E21B 34/06 (2006.01) E21B 19/16 (2006.01) E21B 34/16 (2006.01)**  
[25] EN  
[54] **REMOTE SUBTERRANEAN TOOL ACTIVATION SYSTEM**  
[54] **SYSTEME D'ACTIVATION D'OUTIL SOUTERRAIN A DISTANCE**  
[72] TAIT, ALASDAIR R., GB  
[73] BAKER HUGHES INCORPORATED, US  
[85] 2013-08-08  
[86] 2012-03-08 (PCT/US2012/028281)  
[87] (WO2012/125404)  
[30] US (13/048,075) 2011-03-15

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[11] **2,827,466**  
[13] C

[51] **Int.Cl. G06F 3/048 (2013.01)**  
[25] EN  
[54] **METHODS AND APPARATUS FOR PROVIDING UPDATED CONTENT IN A USER INTERFACE**  
[54] **PROCEDES ET APPAREIL PERMETTANT DE FOURNIR UN CONTENU MIS A JOUR DANS UNE INTERFACE UTILISATEUR**  
[72] ABELLERA, SUZANNE, US  
[72] CHEN, LI, US  
[72] AGGARWAL, ANKUR, US  
[72] CHIRIYANKANDATH, CIPSON JOSE, US  
[73] BLACKBERRY LIMITED, CA  
[85] 2013-08-15  
[86] 2011-02-18 (PCT/US2011/025503)  
[87] (WO2012/112164)

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[11] **2,828,009**  
[13] C

[51] **Int.Cl. H01R 39/38 (2006.01)**  
[25] EN  
[54] **BRUSH HOLDER ASSEMBLY WITH QUICK DISCONNECT TERMINAL**  
[54] **BLOC PORTE-BALAIS MUNI D'UNE BORNE A DECONNEXION RAPIDE**  
[72] CUTSFORTH, ROBERT S., US  
[73] CUTSFORTH PRODUCTS, INC., US  
[85] 2013-08-21  
[86] 2012-03-06 (PCT/US2012/027830)  
[87] (WO2012/122149)  
[30] US (13/041,866) 2011-03-07

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[11] **2,828,567**  
[13] C

[51] **Int.Cl. B08B 5/02 (2006.01)**  
[25] EN  
[54] **HANDHELD BLOWER**  
[54] **SOUFFLEUR A MAIN**  
[72] YAMAOKA, TOSHINARI, CN  
[72] GUO, JIANPENG, CN  
[72] NIE, FANGJIE, CN  
[72] SHAO, XIANDIAN, CN  
[73] CHERVON (HK) LIMITED, HK  
[86] (2828567)  
[87] (2828567)  
[22] 2013-09-26  
[30] CN (201310054133.2) 2013-02-20  
[30] CN (2013101080835.2) 2013-03-29  
[30] CN (201310109907.7) 2013-03-29  
[30] CN (201310109908.1) 2013-03-29  
[30] US (14/034,104) 2013-09-23

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[11] **2,828,569**  
[13] C

[51] **Int.Cl. B08B 5/02 (2006.01) A47L 5/14 (2006.01)**  
[25] EN  
[54] **HANDHELD BLOWER**  
[54] **SOUFFLEUR A MAIN**  
[72] YAMAOKA, TOSHINARI, CN  
[72] SHAO, XIANDIAN, CN  
[72] NIE, FANGJIE, CN  
[72] GUO, JIANPENG, CN  
[73] CHERVON (HK) LIMITED, HK  
[86] (2828569)  
[87] (2828569)  
[22] 2013-09-26  
[30] CN (201310054133.2) 2013-02-20  
[30] CN (201310110462.4) 2013-03-29  
[30] CN (201310107859.8) 2013-03-29  
[30] CN (201310110140.X) 2013-03-29  
[30] US (14/034,064) 2013-09-23

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[11] **2,828,575**  
[13] C

[51] **Int.Cl. H01M 10/44 (2006.01) H01M 10/613 (2014.01) H01M 10/633 (2014.01) H02J 7/00 (2006.01)**

[25] EN

[54] **BATTERY PACK COOLING AND CHARGING DEVICE AND METHOD**

[54] **DISPOSITIF ET PROCÉDE DE CHARGEMENT ET DE REFROIDISSEMENT DE BLOC-BATTERIE**

[72] CHEN, MING, CN  
[72] LIN, XIAOHONG, CN  
[72] DUAN, JUNYA, CN  
[73] CHERVON (HK) LIMITED, HK  
[86] (2828575)  
[87] (2828575)  
[22] 2013-09-26  
[30] CN (201310140954.8) 2013-04-22  
[30] US (14/033,906) 2013-09-23

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[11] **2,828,803**  
[13] C

[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/50 (2006.01)**

[25] EN

[54] **AUTOROTATING RETRACTION STRUCTURE OF NEEDLE SEAT COMPONENTS OF SAFE SYRINGE**

[54] **STRUCTURE DE RETRACTION PAR AUTOROTATION DE COMPOSANTS DE SIEGE D'AIGUILLE D'UNE SERINGUE DE SECURITE**

[72] CHANG, SHU-MING, CN  
[73] CHANG, SHU-MING, CN  
[85] 2013-08-30  
[86] 2012-02-14 (PCT/CN2012/071139)  
[87] (WO2012/116596)  
[30] CN (201110050259.3) 2011-03-02

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[11] **2,828,993**  
[13] C

[51] **Int.Cl. E21B 43/38 (2006.01) B01D 45/02 (2006.01)**

[25] EN

[54] **A DOWNHOLE CROWN-SHAPED SEPARATING DEVICE FOR SEPARATING OIL AND WATER**

[54] **DISPOSITIF DE SEPARATION EN FORME DE COURONNE POUR SEPARER LE PETROLE ET L'EAU DANS UN PUIT**

[72] WANG, YAN, CN  
[72] WANG, DEMIN, CN  
[72] ZHU, RONGJIE, CN  
[72] REN, LONG, CN  
[72] ZHONG, RONG, CN  
[72] WANG, HONGYAN, CN  
[73] PETROCHINA COMPANY LIMITED, CN  
[73] DAQING OILFIELD CO., LTD., CN  
[85] 2013-09-04  
[86] 2011-09-28 (PCT/CN2011/001640)  
[87] (WO2012/119283)  
[30] CN (201120060174.9) 2011-03-09  
[30] CN (201120060175.3) 2011-03-09

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[11] **2,830,560**  
[13] C

[51] **Int.Cl. A61L 24/06 (2006.01)**

[25] EN

[54] **POLYMETHYLMETHACRYLATE BONE CEMENT**

[54] **CIMENT POUR LES OS A BASE DE POLYMETHYLMETHACRYLATE**

[72] VOGT, SEBASTIAN, DE  
[73] HERAEUS MEDICAL GMBH, DE  
[86] (2830560)  
[87] (2830560)  
[22] 2013-10-21  
[30] DE (10 2012 022 134.7) 2012-11-13

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[11] **2,830,779**  
[13] C

[51] **Int.Cl. G06F 21/00 (2013.01) H04W 12/00 (2009.01) G06F 7/00 (2006.01) H04L 9/28 (2006.01)**

[25] EN

[54] **EFFICIENT IMPLEMENTATION OF HASH ALGORITHM ON A PROCESSOR**

[54] **MODE DE REALISATION EFFICACE D'UN ALGORITHME DE HACHAGE SUR UN PROCESSEUR**

[72] EBEID, NEVINE MAURICE NASSIF, CA  
[72] LAMBERT, ROBERT JOHN, CA  
[73] CERTICOM CORP., CA  
[85] 2013-09-20  
[86] 2012-04-05 (PCT/CA2012/050219)  
[87] (WO2012/135958)  
[30] US (61/472,422) 2011-04-06

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[11] **2,831,524**  
[13] C

[51] **Int.Cl. B64D 33/00 (2006.01) B64D 13/08 (2006.01) F28F 27/02 (2006.01)**

[25] EN

[54] **DUAL DOOR FAN AIR MODULATING VALVE**

[54] **SOUPAPE DE MODULATION D'AIR DE VENTILATEUR A DOUBLE PORTE**

[72] LANDRE, ERIC, US  
[72] FOUTCH, DAVID W., US  
[73] THE BOEING COMPANY, US  
[86] (2831524)  
[87] (2831524)  
[22] 2013-10-28  
[30] US (13/748,325) 2013-01-23

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[11] **2,833,210**  
[13] C

[51] **Int.Cl. F16L 55/163 (2006.01) F16L 55/18 (2006.01) F16L 58/16 (2006.01)**

[25] EN

[54] **EXPANDABLE LINER FOR THE PROTECTION AND STRENGTHENING OF EXISTING PIPES**

[54] **REVETEMENT EXTENSIBLE POUR LA PROTECTION ET LE RENFORCEMENT DE TUYAUX EXISTANTS**

[72] FYFE, EDWARD, US  
[73] FYFE CO., LLC, US  
[85] 2013-10-11  
[86] 2012-04-18 (PCT/US2012/034114)  
[87] (WO2012/145422)  
[30] US (61/476,484) 2011-04-18

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[11] **2,833,476**  
[13] C

[51] **Int.Cl. B05B 1/18 (2006.01)**  
[25] EN  
[54] **LOW FLOW SHOWERHEAD AND METHOD OF MAKING SAME**  
[54] **POMME DE DOUCHE A FAIBLE DEBIT ET PROCEDE DE REALISATION**  
[72] LEBER, LELAND C., US  
[73] WATER PIK, INC., US  
[86] (2833476)  
[87] (2833476)  
[22] 2008-05-02  
[62] 2,630,697  
[30] US (60/916,146) 2007-05-04  
[30] US (12/114,304) 2008-05-02  
[30] US (60/916,092) 2007-05-04  
[30] US (60/916,219) 2007-05-04

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[11] **2,833,705**  
[13] C

[51] **Int.Cl. A61K 31/522 (2006.01) A61K 31/5025 (2006.01) A61P 9/04 (2006.01)**  
[25] EN  
[54] **USE OF DPP IV INHIBITORS**  
[54] **UTILISATIONS D'INHIBITEURS DE L'ENZYME DPP IV**  
[72] DUGI, KLAUS, DE  
[72] HIMMELSBACH, FRANK, DE  
[72] MARK, MICHAEL, DE  
[73] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE  
[86] (2833705)  
[87] (2833705)  
[22] 2007-05-03  
[62] 2,651,019  
[30] EP (06009203.8) 2006-05-04

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[11] **2,833,930**  
[13] C

[51] **Int.Cl. H01M 8/04029 (2016.01)**  
[25] EN  
[54] **ENERGY DISSIPATION DEVICE FOR CONTROLLING FLOW OF A FUEL CELL FLUID**  
[54] **DISPOSITIF DE DISSIPATION D'ENERGIE POUR LA REGULATION DU DEBIT D'UN FLUIDE DE PILE A COMBUSTIBLE**  
[72] LAKE, JEFFREY G., US  
[72] GUO, YU, CN  
[72] DENG, XIANGYANG, CN  
[72] SHI, YING, CN  
[72] YU, LEI, CN  
[72] HIRKO, GEORGE S., US  
[72] ZHANG, VICKY, CN  
[72] GUTHRIE, ROBIN J., US  
[72] BHADANGE, SUSHANT S., US  
[72] MELOUGH, ANDREW JOSEPH, US  
[73] DOOSAN FUEL CELL AMERICA, INC., US  
[85] 2013-10-21  
[86] 2011-05-02 (PCT/US2011/034716)  
[87] (WO2012/150923)

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[11] **2,834,039**  
[13] C

[51] **Int.Cl. H02S 30/10 (2014.01) H02S 20/23 (2014.01) B32B 3/08 (2006.01) B32B 3/24 (2006.01) B32B 33/00 (2006.01) B32B 37/00 (2006.01) E04C 2/284 (2006.01) E04D 3/35 (2006.01)**  
[25] EN  
[54] **A COMPOSITE INSULATING PANEL**  
[54] **UN PANNEAU ISOLANT COMPOSITE**  
[72] CAROLAN, JAMES, IE  
[72] FLYNN, GREGORY, IE  
[73] KINGSPAN HOLDINGS (IRL) LIMITED, IE  
[86] (2834039)  
[87] (2834039)  
[22] 2013-11-25  
[30] EP (12195237.8) 2012-12-03  
[30] IE (2012/0521) 2012-12-03

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[11] **2,834,118**  
[13] C

[51] **Int.Cl. A61F 9/008 (2006.01)**  
[25] EN  
[54] **SYSTEM AND PROCESS FOR SURGICAL TREATMENT OF AN EYE AS WELL AS PROCESS FOR CALIBRATING A SYSTEM OF SUCH A TYPE**  
[54] **SYSTEME ET PROCEDE POUR LE TRAITEMENT CHIRURGICAL D'UN OIL AINSI QUE PROCEDE POUR L'ETALONNAGE D'UN TEL SYSTEME**  
[72] WELHOEFER, ARMIN, DE  
[72] DONITZKY, CHRISTOF, DE  
[73] WAVELIGHT GMBH, DE  
[85] 2013-10-23  
[86] 2011-05-16 (PCT/EP2011/002415)  
[87] (WO2012/155930)

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[11] **2,834,694**  
[13] C

[51] **Int.Cl. B23K 9/32 (2006.01) G01C 11/28 (2006.01)**  
[25] EN  
[54] **WORKPIECE-BASED SETTING OF WELD PARAMETERS**  
[54] **REGLAGE DES PARAMETRES DE SOUDAGE BASE SUR LA PIECE**  
[72] STEIN, ALAN EDWARD, US  
[72] FERKEL, STEPHEN PAUL, US  
[73] ILLNOIS TOOL WORKS INC., US  
[85] 2013-10-29  
[86] 2012-06-21 (PCT/US2012/043436)  
[87] (WO2013/003171)  
[30] US (61/501,651) 2011-06-27  
[30] US (13/485,653) 2012-05-31

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[11] **2,834,869**  
[13] C

[51] **Int.Cl. G06F 17/30 (2006.01) G06Q 50/18 (2012.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR CREATING AND USING A RESEARCH MAP**  
[54] **SYSTEME ET PROCEDE POUR CREER ET UTILISER UNE CARTE DE RECHERCHE**  
[72] SHARMA, SANJAY, US  
[72] DALESSIO, JOHN ALEXANDER, US  
[72] MULDER, JEREMY JACOB, US  
[72] MEHRA, GAURAV, US  
[72] MILLER, MOLLY, US  
[72] PENDYALA, MAHESH, US  
[72] FRASCONE, TODD JOSEPH, US  
[72] RITTER, DOUGLAS N., US  
[72] YIP, GORDON, US  
[73] LEXISNEXIS, A DIVISION OF REED ELSEVIER INC., US  
[85] 2013-06-25  
[86] 2011-12-08 (PCT/US2011/063883)  
[87] (WO2012/091875)  
[30] US (12/978,706) 2010-12-27

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[11] **2,835,570**  
[13] C

[51] **Int.Cl. F24H 3/06 (2006.01) F24D 13/00 (2006.01) F24F 3/14 (2006.01)**  
[25] EN  
[54] **MICROWAVE REACTIVATION SYSTEM FOR STANDARD AND EXPLOSION-PROOF DEHUMIDIFICATION**  
[54] **MECANISME DE REACTIVATION PAR MICRO-ONDES EN VUE DE LA DESHUMIDIFICATION NORMALE ET SANS EXPLOSION**  
[72] CAGGIANO, MARIO, CA  
[73] 7142871 CANADA INC., CA  
[85] 2013-11-08  
[86] 2011-05-26 (PCT/IB2011/001503)  
[87] (WO2012/160408)

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[11] **2,836,640**  
[13] C

[51] **Int.Cl. B61L 27/04 (2006.01) B61L 1/00 (2006.01) B61L 7/00 (2006.01) B61L 23/00 (2006.01)**  
[25] EN  
[54] **CONTROL OF AUTOMATIC GUIDED VEHICLES WITHOUT WAYSIDE INTERLOCKING**  
[54] **COMMANDE DE VEHICULES GUIDES AUTOMATIQUES SANS VERROUILLAGE EN BORDURE DE VOIE**  
[72] WHITWAM, FIRTH, CA  
[72] KANNER, ABE, CA  
[73] THALES CANADA INC., CA  
[85] 2013-11-19  
[86] 2012-06-12 (PCT/CA2012/000573)  
[87] (WO2012/171096)  
[30] US (61/496,626) 2011-06-14

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[11] **2,836,682**  
[13] C

[51] **Int.Cl. C10M 133/16 (2006.01) C10M 133/44 (2006.01)**  
[25] EN  
[54] **ADDITIVE COMPOSITIONS WITH A FRICTION MODIFIER AND A DISPERSANT**  
[54] **COMPOSITIONS D'ADDITIF A MODIFICATEUR DE FROTTEMENT ET DISPERSANT**  
[72] LOPER, JOHN T., US  
[72] STYER, JEREMY P., US  
[73] AFTON CHEMICAL CORPORATION, US  
[86] (2836682)  
[87] (2836682)  
[22] 2013-12-13  
[30] US (13/725,319) 2012-12-21

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[11] **2,837,398**  
[13] C

[51] **Int.Cl. H04N 7/18 (2006.01) H04N 5/232 (2006.01)**  
[25] EN  
[54] **INTEGRATED SYSTEM FOR MEDIA PLAYBACK DURING STARTUP**  
[54] **SYSTEME INTEGRE POUR LA LECTURE DE MEDIAS DURANT LE DEMARRAGE**  
[72] NEFEDOV, MIKHAIL, CA  
[72] BELANGER, ETIENNE, CA  
[73] 2236008 ONTARIO INC., CA  
[86] (2837398)  
[87] (2837398)  
[22] 2013-12-18  
[30] US (61/739,120) 2012-12-19  
[30] US (13/790,500) 2013-03-08  
[30] EP (13158448.4) 2013-03-08

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[11] **2,837,916**  
[13] C

[51] **Int.Cl. E21B 49/10 (2006.01)**  
[25] EN  
[54] **METHODS AND APPARATUS TO SAMPLE HEAVY OIL FROM A SUBTERANEAN FORMATION**  
[54] **PROCEDES ET APPAREIL POUR PRELEVER LE PETROLE LOURD A PARTIR D'UNE FORMATION SOUTERRAINE**  
[72] SONNE, CARSTEN, DK  
[72] HEGEMAN, PETER S., US  
[72] GOODWIN, ANTHONY R.H., US  
[72] VASQUES, RICARDO, FR  
[73] SCHLUMBERGER CANADA LIMITED, CA  
[86] (2837916)  
[87] (2837916)  
[22] 2008-05-29  
[62] 2,687,372  
[30] US (11/755,039) 2007-05-30  
[30] US (61/027,266) 2008-02-08

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[11] **2,838,399**  
[13] C

[51] **Int.Cl. A61K 38/16 (2006.01) A61K 9/14 (2006.01) A61K 9/52 (2006.01) A61K 35/74 (2015.01) A61P 1/00 (2006.01)**

[25] EN

[54] **FORMULATIONS FOR A TIGHT JUNCTION EFFECTOR**

[54] **PREPARATIONS POUR EFFECTEURS DE JONCTIONS SERREES**

[72] PATERSON, BLAKE, US

[72] GINSKI, MARK J., US

[73] ALBA THERAPEUTICS CORPORATION, US

[86] (2838399)

[87] (2838399)

[22] 2007-02-09

[62] 2,638,914

[30] US (60/771,454) 2006-02-09

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[11] **2,838,439**  
[13] C

[51] **Int.Cl. E21B 43/24 (2006.01) E21B 43/00 (2006.01) E21B 43/14 (2006.01) E21B 43/26 (2006.01)**

[25] EN

[54] **ELECTROMAGNETIC HEAT TREATMENT PROVIDING ENHANCED OIL RECOVERY**

[54] **TRAITEMENT THERMIQUE ELECTROMAGNETIQUE FOURNISSANT UNE RECUPERATION D'HUILE AMELIOREE**

[72] PARSCHE, FRANCIS EUGENE, US

[73] HARRIS CORPORATION, US

[85] 2013-12-04

[86] 2012-06-11 (PCT/US2012/041856)

[87] (WO2012/173921)

[30] US (13/163,225) 2011-06-17

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[11] **2,838,583**  
[13] C

[51] **Int.Cl. A01K 13/00 (2006.01) A47D 13/04 (2006.01) B62B 7/06 (2006.01)**

[25] EN

[54] **PET STROLLER WITH LATCHABLE CANOPY BAR**

[54] **POUSSETTE POUR ANIMAL DE COMPAGNIE DOTEE D'UNE BARRE DE TOIT VERROUILLABLE**

[72] JAKUBOWSKI, CHRIS, US

[73] VERMONT JUVENILE FURNITURE, MFG., INC. A/K/A/ PET GEAR, INC., US

[86] (2838583)

[87] (2838583)

[22] 2014-01-07

[30] US (61/766,835) 2013-02-20

[30] US (14/023,721) 2013-09-11

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[11] **2,839,687**  
[13] C

[51] **Int.Cl. H04N 19/593 (2014.01) H04N 19/17 (2014.01) H04N 19/176 (2014.01) H04N 19/70 (2014.01)**

[25] EN

[54] **PARALLELIZATION FRIENDLY MERGE CANDIDATES FOR VIDEO CODING**

[54] **PARALLELISATION CONVIVIALE DE CANDIDATS A LA FUSION POUR CODAGE VIDEO**

[72] ZHENG, YUNFEI, US

[72] WANG, XIANGLIN, US

[72] KARCZEWICZ, MARTA, US

[73] QUALCOMM INCORPORATED, US

[85] 2013-12-17

[86] 2012-06-19 (PCT/US2012/043155)

[87] (WO2012/177644)

[30] US (61/499,112) 2011-06-20

[30] US (61/543,043) 2011-10-04

[30] US (61/543,059) 2011-10-04

[30] US (61/556,761) 2011-11-07

[30] US (61/562,387) 2011-11-21

[30] US (61/562,953) 2011-11-22

[30] US (13/526,261) 2012-06-18

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[11] **2,839,849**  
[13] C

[51] **Int.Cl. A61K 31/765 (2006.01) A61K 31/717 (2006.01) A61P 27/04 (2006.01)**

[25] EN

[54] **OPHTHALMIC COMPOSITIONS CONTAINING A SYNERGISTIC COMBINATION OF TWO POLYMERS**

[54] **COMPOSITIONS OPHTALMOLOGIQUES CONTENANT UNE ASSOCIATION SYNERGIQUE DE DEUX POLYMERES**

[72] CHOWHAN, MASOOD A., US

[72] CHEN, HUAGANG, US

[73] ALCON, INC., CH

[86] (2839849)

[87] (2839849)

[22] 2004-06-06

[62] 2,527,712

[30] US (60/478,253) 2003-06-13

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[11] **2,840,410**  
[13] C

[51] **Int.Cl. H02J 7/14 (2006.01) H02P 9/00 (2006.01)**

[25] EN

[54] **ALTERNATOR CONTROL SYSTEM AND METHOD**

[54] **SYSTEME ET METHODE DE COMMANDE D'ALTERNATEUR**

[72] BIGGS, DANIEL C., US

[73] CANADUS POWER SYSTEMS, LLC, US

[86] (2840410)

[87] (2840410)

[22] 2014-01-22

[30] US (13/762,968) 2013-02-08

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[11] **2,840,416**  
[13] C

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

[25] EN

[54] **REMOTE BROWSING SESSION MANAGEMENT**

[54] **GESTION DE SESSION DE NAVIGATION A DISTANCE**

[72] TRAHAN, MATTHEW L., US

[72] JENKINS, JONATHAN A., US

[72] TAYLOR, BRETT R., US

[72] OVERTON, ADAM J., US

[73] AMAZON TECHNOLOGIES, INC., US

[85] 2013-12-23

[86] 2012-06-28 (PCT/US2012/044711)

[87] (WO2013/003631)

[30] US (13/174,615) 2011-06-30

[30] US (13/174,601) 2011-06-30

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[11] **2,841,024**  
[13] C

[51] **Int.Cl. B65D 83/00 (2006.01) C11D 17/04 (2006.01)**  
[25] EN  
[54] **UNIT DOSE ARTICLE**  
[54] **ARTICLE DE TYPE DOSES UNITAIRES**  
[72] BRANDT SANZ, MIGUEL, BE  
[72] HEALY, YANN, BE  
[73] THE PROCTER & GAMBLE COMPANY, US  
[86] (2841024)  
[87] (2841024)  
[22] 2014-01-30

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[11] **2,841,325**  
[13] C

[51] **Int.Cl. B65B 21/02 (2006.01) B65B 5/06 (2006.01) B65B 27/04 (2006.01) B65B 41/02 (2006.01)**  
[25] EN  
[54] **APPARATUS AND METHOD FOR FORMING A CARTON**  
[54] **APPAREIL ET PROCEDE PERMETTANT DE FORMER UN CARTON**  
[72] MAY, KEVIN T., US  
[72] ZIEGLER, KELLY, US  
[73] GRAPHIC PACKAGING INTERNATIONAL, INC., US  
[85] 2014-01-08  
[86] 2012-08-20 (PCT/US2012/051551)  
[87] (WO2013/028602)  
[30] US (61/575,354) 2011-08-19

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[11] **2,841,391**  
[13] C

[51] **Int.Cl. B01J 12/00 (2006.01) B01J 19/24 (2006.01) B01J 35/04 (2006.01) C10G 2/00 (2006.01)**  
[25] EN  
[54] **FISCHER TROPSCH REACTOR**  
[54] **REACTEUR FISCHER-TROPSCH**  
[72] BANISTER, JAMES, GB  
[73] GAS2 LIMITED, GB  
[85] 2014-01-10  
[86] 2012-07-13 (PCT/GB2012/051668)  
[87] (WO2013/008029)  
[30] GB (1112028.4) 2011-07-13

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[13] C

[51] **Int.Cl. E06B 3/667 (2006.01) E06B 3/70 (2006.01)**  
[25] EN  
[54] **FLEXIBLE CLIP**  
[54] **CLIP SOUPLE**  
[72] LANGER, PAUL J., US  
[72] MCGLINCHY, TIMOTHY B., US  
[73] GED INTEGRATED SOLUTIONS, INC., US  
[86] (2842274)  
[87] (2842274)  
[22] 2006-02-10  
[62] 2,597,299  
[30] US (60/651,822) 2005-02-10

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[11] **2,842,521**  
[13] C

[51] **Int.Cl. E05F 3/12 (2006.01) H02K 7/18 (2006.01)**  
[25] EN  
[54] **DOOR CLOSER ASSEMBLY**  
[54] **FERME-PORTE**  
[72] COPELAND, DAVID JAMES, II, US  
[72] WEEPIE, KEITH JAMES, US  
[72] TADLOCK, ROBERT L., JR., US  
[72] BURRIS, CHARLES E., US  
[73] YALE SECURITY INC., US  
[86] (2842521)  
[87] (2842521)  
[22] 2008-04-24  
[62] 2,698,634  
[30] US (60913714) 2007-04-24

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[11] **2,843,710**  
[13] C

[51] **Int.Cl. B30B 11/00 (2006.01) B27N 3/10 (2006.01)**  
[25] EN  
[54] **APPARATUS AND METHOD FOR DENSIFYING A FIBROUS MAT**  
[54] **APPAREIL ET PROCEDE POUR DENSIFIER UN MAT FIBREUX**  
[72] WHITE, JAMES MICHAEL, US  
[72] SEALE, ROY DANIEL, US  
[72] CLARK, DON ROBERTS, US  
[73] SCRIMTEC HOLDINGS, LLC, US  
[85] 2014-01-30  
[86] 2012-02-08 (PCT/US2012/024321)  
[87] (WO2012/109349)  
[30] US (13/023,082) 2011-02-08

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[11] **2,845,299**  
[13] C

[51] **Int.Cl. A61K 33/36 (2006.01) A61P 29/00 (2006.01) A61P 37/06 (2006.01) C01G 28/02 (2006.01)**  
[25] EN  
[54] **USE OF ARSENIC COMPOUNDS FOR TREATMENT OF PAIN AND INFLAMMATION**  
[54] **UTILISATION DE COMPOSES A L'ARSENIC POUR LE TRAITEMENT DE LA DOULEUR ET DES INFLAMMATIONS**  
[72] HWANG, MICHAEL, US  
[72] YANG, YONG-JIN, KR  
[73] PANAPHIX INC., US  
[86] (2845299)  
[87] (2845299)  
[22] 2008-02-01  
[62] 2,677,388  
[30] US (60/899,007) 2007-02-02  
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[13] C

[51] **Int.Cl. H01B 9/00 (2006.01) H01B 7/17 (2006.01) H01B 11/22 (2006.01)**  
[25] EN  
[54] **CLASS I AND CLASS II MODULAR WIRING SYSTEM**  
[54] **SYSTEME DE CABLAGE MODULAIRE DE CLASSE I ET DE CLASSE II**  
[72] WESTWICK, RICHARD L., JR., US  
[73] ABL IP HOLDING LLC, US  
[86] (2845603)  
[87] (2845603)  
[22] 2014-03-12  
[30] US (13/832,857) 2013-03-15

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[11] **2,846,485**  
[13] C

[51] **Int.Cl. E21B 43/24 (2006.01) E21B 43/14 (2006.01) E21B 43/30 (2006.01)**  
[25] EN  
[54] **CELLAR OIL RECOVERY TECHNIQUES FOR IN SITU OPERATIONS**  
[54] **TECHNIQUES DE RECUPERATION D'HUILE D'AVALE-PENDAGE POUR EXPLOITATION SUR PLACE**  
[72] GUERRERO, URIEL, CA  
[72] ENGELMAN, JOHN RUSSELL, CA  
[73] SUNCOR ENERGY INC., CA  
[86] (2846485)  
[87] (2846485)  
[22] 2014-03-14  
[30] US (61/782,248) 2013-03-14

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[13] C

[51] **Int.Cl. A61B 17/64 (2006.01) F16B 7/04 (2006.01)**  
[25] EN  
[54] **ROD COUPLER WITH VARIABLE ANKLE POSITION**  
[54] **ACCESSOIRE DE COUPLAGE POUR TIGES A POSITION ANGULAIRE VARIABLE**  
[72] DORAWA, KLAUS, DE  
[72] CREMER, AXEL, CH  
[72] BUSCH, ADAM, CH  
[72] MULLER, MANFRED, CH  
[73] STRYKER EUROPEAN HOLDINGS I, LLC, US  
[85] 2014-03-04  
[86] 2012-09-13 (PCT/EP2012/068012)  
[87] (WO2013/037922)  
[30] EP (11181502.3) 2011-09-15

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[11] **2,847,978**  
[13] C

[51] **Int.Cl. B25H 3/00 (2006.01) G07F 11/54 (2006.01)**  
[25] EN  
[54] **DISPENSING CABINET AND METHOD FOR THE CONTROLLED DISPENSING OF OBJECTS**  
[54] **ARMOIRE DISTRIBUTRICE ET PROCEDE DE DISTRIBUTION CONTROLEE D'OBJETS**  
[72] STOFFEL, KAI KONSTANTIN, AT  
[72] ISSER, ARMIN, AT  
[73] STOFFEL, KAI KONSTANTIN, AT  
[85] 2014-03-06  
[86] 2012-08-28 (PCT/EP2012/003614)  
[87] (WO2013/034256)  
[30] EP (11 007 353.3) 2011-09-09

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[11] **2,848,236**  
[13] C

[51] **Int.Cl. H04W 4/04 (2009.01) H04W 4/02 (2009.01) B61L 25/02 (2006.01)**  
[25] EN  
[54] **APPARATUS FOR TRANSMITTING LOCATION BASED MESSAGES FROM VEHICLES TO STATIONARY INFRASTRUCTURE**  
[54] **APPAREIL DE TRANSMISSION DE MESSAGES BASES SUR UN EMPLACEMENT DE VEHICULES A UNE INFRASTRUCTURE IMMOBILE**  
[72] KLAR, GEORG, DE  
[72] SCHMIDT, CHRISTIAN, DE  
[73] HANNING & KAHL GMBH & CO KG, DE  
[85] 2014-03-10  
[86] 2012-10-10 (PCT/EP2012/070056)  
[87] (WO2013/057024)  
[30] DE (20 2011 051 720.9) 2011-10-21

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[11] **2,848,252**  
[13] C

[51] **Int.Cl. B61C 3/00 (2006.01)**  
[25] EN  
[54] **RAIL VEHICLE SYSTEM**  
[54] **RAME FERROVIAIRE**  
[72] LUBBEN, EDZARD, DE  
[72] OFFER, MARTIN, DE  
[72] SCHLAHT, JURGEN, DE  
[72] SCHNEIDER, JORG, DE  
[73] SIEMENS AKTIENGESELLSCHAFT, DE  
[85] 2014-03-10  
[86] 2012-08-21 (PCT/EP2012/066230)  
[87] (WO2013/037608)  
[30] DE (10 2011 082 516.9) 2011-09-12

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[11] **2,848,462**  
[13] C

[51] **Int.Cl. F03D 15/00 (2016.01) F03D 80/00 (2016.01) F03D 1/00 (2006.01)**  
[25] EN  
[54] **MOBILE ROTARY DRIVE FOR A ROTOR OF A WIND POWER PLANT**  
[54] **ENTRAINEMENT ROTATIF MOBILE POUR ROTOR D'EOLIENNE**  
[72] GOTTSCHKE, CHRISTIAN, DE  
[73] SENVION SE, DE  
[85] 2014-03-12  
[86] 2012-09-14 (PCT/EP2012/068079)  
[87] (WO2013/045290)  
[30] DE (10 2011 114 247.2) 2011-09-26

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[11] **2,849,031**  
[13] C

[51] **Int.Cl. B03C 1/28 (2006.01) B01D 35/06 (2006.01) B03C 1/30 (2006.01)**  
[25] EN  
[54] **MAGNETIC PARTICLE SEPARATOR FOR THERMAL SYSTEMS**  
[54] **SEPARATEUR DE PARTICULES MAGNETIQUES POUR SYSTEMES THERMIQUES**  
[72] CALEFFI, MARCO, IT  
[73] CALEFFI S.P.A., IT  
[85] 2014-03-18  
[86] 2012-02-02 (PCT/EP2012/051785)  
[87] (WO2013/041245)  
[30] IT (MI2011A001687) 2011-09-19

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[11] **2,849,371**  
[13] C

[51] **Int.Cl. A61F 9/008 (2006.01) A61F 9/009 (2006.01)**  
[25] EN  
[54] **SYSTEM, INTERFACE DEVICES, USE OF THE INTERFACE DEVICES FOR EYE SURGERY**  
[54] **SYSTEME, APPAREILS D'INTERFACE, UTILISATION DE DISPOSITIFS D'INTERFACE POUR LA CHIRURGIE DE L'OEIL**  
[72] GORSCHBOTH, CLAUDIA, DE  
[72] VOGLER, KLAUS, DE  
[72] DONITZKY, CHRISTOF, DE  
[73] WAVELIGHT GMBH, DE  
[85] 2014-03-20  
[86] 2011-10-10 (PCT/EP2011/005062)  
[87] (WO2013/053367)

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[11] **2,849,450**  
[13] C

[51] **Int.Cl. E21B 43/26 (2006.01)**  
[25] EN  
[54] **IN-LINE, HIGH PRESSURE WELL FLUID INJECTION BLENDING**  
[54] **MELANGE D'INJECTION DE FLUIDE DE PUIT HAUTE PRESSION EN LIGNE**  
[72] COBB, DON B., US  
[73] CHEMRIGHT, LLC, US  
[85] 2014-04-22  
[86] 2013-11-11 (PCT/US2013/069438)  
[87] (WO2014/113129)  
[30] US (61/754,188) 2013-01-18  
[30] US (61/879,659) 2013-09-18  
[30] US (14/075,436) 2013-11-08



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[11] **2,850,039**  
[13] C

[51] **Int.Cl. A61K 8/46 (2006.01) A61K 8/34 (2006.01) A61Q 5/02 (2006.01)**  
[25] EN  
[54] **SHAMPOO COMPOSITION CONTAINING A GEL NETWORK**  
[54] **COMPOSITION DE SHAMPOING CONTENANT UN RESEAU DE GEL**  
[72] HILVERT, JENNIFER ELAINE, US  
[72] RILEY, STEPHANIE MARIE HARRIS, US  
[72] AISTRUP, ELIZABETH REBECCA, US  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 2014-03-25  
[86] 2012-10-05 (PCT/US2012/058963)  
[87] (WO2013/052802)  
[30] US (61/544,750) 2011-10-07  
[30] US (61/544,769) 2011-10-07  
[30] US (61/584,515) 2012-01-09  
[30] US (61/597,292) 2012-02-10

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[11] **2,850,369**  
[13] C

[51] **Int.Cl. A63F 13/45 (2014.01) A63F 13/30 (2014.01) A63F 13/40 (2014.01)**  
[25] EN  
[54] **ELECTROMECHANICAL HYBRID GAME**  
[54] **JEU HYBRIDE ELECTROMECHANIQUE**  
[72] ARNONE, MILES, US  
[72] MEYERHOFER, ERIC, US  
[73] GAMBLIT GAMING, LLC, US  
[85] 2014-03-27  
[86] 2012-09-29 (PCT/US2012/058156)  
[87] (WO2013/049745)  
[30] US (61/626,653) 2011-09-30

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[11] **2,851,819**  
[13] C

[51] **Int.Cl. H04W 4/04 (2009.01) H04W 4/02 (2009.01) H04W 64/00 (2009.01) H04B 5/00 (2006.01)**  
[25] EN  
[54] **MOBILE MAPPING IN UNDERGROUND OR SHIELDED ENVIRONMENTS**  
[54] **CARTOGRAPHIE MOBILE DANS DES ENVIRONNEMENTS SOUTERRAINS OU PROTEGES**  
[72] BURRELL, DOUGLAS JAMES ARTHUR, CA  
[72] GONDOSCH, ROBERT MICHAEL PHILIP, CA  
[73] BLACKBERRY LIMITED, CA  
[86] (2851819)  
[87] (2851819)  
[22] 2014-05-06  
[30] EP (13167248.7) 2013-05-10

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[11] **2,851,870**  
[13] C

[51] **Int.Cl. A61L 24/06 (2006.01) A61L 15/58 (2006.01)**  
[25] EN  
[54] **BUFFERED ADHESIVE COMPOSITIONS FOR SKIN-ADHERING MEDICAL PRODUCTS**  
[54] **COMPOSITIONS ADHESIVES TAMPONNEES POUR PRODUITS MEDICAUX ADHERANT SUR LA PEAU**  
[72] TAYLOR, MICHAEL, US  
[72] MURAHATA, RICHARD, US  
[73] HOLLISTER INCORPORATED, US  
[85] 2014-04-10  
[86] 2013-02-27 (PCT/US2013/027970)  
[87] (WO2013/130566)  
[30] US (61/604,663) 2012-02-29  
[30] US (61/668,178) 2012-07-05

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[11] **2,853,798**  
[13] C

[51] **Int.Cl. H04N 19/182 (2014.01) H04N 19/117 (2014.01) H04N 19/126 (2014.01) H04N 19/179 (2014.01)**  
[25] EN  
[54] **ADAPTIVE CENTER BAND OFFSET FILTER FOR VIDEO CODING**  
[54] **FILTRE A DECALAGE DE BANDE CENTRALE ADAPTATIF POUR UN CODAGE VIDEO**  
[72] CHONG, IN SUK, US  
[72] KUMAR, SANJEEV, US  
[72] KARCZEWICZ, MARTA, US  
[73] QUALCOMM INCORPORATED, US  
[85] 2014-04-28  
[86] 2012-11-02 (PCT/US2012/063273)  
[87] (WO2013/067318)  
[30] US (61/556,085) 2011-11-04  
[30] US (13/646,102) 2012-10-05

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[11] **2,855,323**  
[13] C

[51] **Int.Cl. E21B 43/24 (2006.01) E21B 43/30 (2006.01)**  
[25] EN  
[54] **HYDROCARBON RESOURCE HEATING SYSTEM INCLUDING RF ANTENNAS DRIVEN AT DIFFERENT PHASES AND RELATED METHODS**  
[54] **SYSTEME DE CHAUFFAGE DE RESSOURCE D'HYDROCARBURE COMPRENANT DES ANTENNES RF ENTRAINEES A DIFFERENTES PHASES ET METHODES CONNEXES**  
[72] PARSCHE, FRANCIS EUGENE, US  
[73] HARRIS CORPORATION, US  
[86] (2855323)  
[87] (2855323)  
[22] 2014-06-26  
[30] US (13/939,605) 2013-07-11

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[11] **2,855,464**  
[13] C

[51] **Int.Cl. H02K 3/40 (2006.01) H02K 3/04 (2006.01)**  
[25] EN  
[54] **END WINDING CORONA PROTECTION**  
[54] **DISPOSITIF ANTI-EFFLUVES POUR TETE DE BOBINE**  
[72] KOEPFLER, ANDREAS, DE  
[72] POUX, JEREMY, CH  
[72] LUGAND, THOMAS, CH  
[73] ALSTOM RENEWABLE TECHNOLOGIES, FR  
[86] (2855464)  
[87] (2855464)  
[22] 2014-07-02  
[30] EP (13174846.9) 2013-07-03

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[11] **2,855,884**  
[13] C

[51] **Int.Cl. A01N 59/20 (2006.01) A01N 59/00 (2006.01) A61K 33/30 (2006.01) A61K 33/34 (2006.01)**  
[25] EN  
[54] **ACTIVE-POWDER BIOCIDAL COMPOSITION COMPRISING AT LEAST ONE COPPER SALT AND AT LEAST ONE ZINC SALT AND THE METHOD FOR THE PRODUCTION THEREOF**  
[54] **COMPOSITION BIOCIDALE A BASE DE POUSSIERES ACTIVES COMPRENANT AU MOINS UN SEL DE CUIVRE ET AU MOINS UN SEL DE ZINC ET PROCEDE DE FABRICATION CORRESPONDANT**  
[72] AMESTICA SALAZAR, LUIS ALBERTO, CL  
[73] TEXTIL COPPER ANDINO S.A., CL  
[85] 2014-05-14  
[86] 2011-12-16 (PCT/CL2011/000081)  
[87] (WO2013/086647)

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[11] **2,855,982**  
[13] C

[51] **Int.Cl. C04B 22/16 (2006.01)**  
[25] EN  
[54] **CALCIUM PHOSPHATE CEMENT COMPOSITIONS COMPRISING PUMICE AND/OR PERLITE AND ASSOCIATED METHODS**  
[54] **COMPOSITIONS DE CIMENT A BASE DE PHOSPHATE DE CALCIUM COMPRENANT DE LA PIERRE PONCE ET/OU DE LA PERLITE ET PROCEDES ASSOCIES**  
[72] KARCHER, JEFFERY DWANE, US  
[72] BRENNEIS, DARRELL CHAD, US  
[72] BROTHERS, LANCE E., US  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2014-05-14  
[86] 2012-11-19 (PCT/US2012/065911)  
[87] (WO2013/078143)  
[30] US (13/301,747) 2011-11-21

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[11] **2,856,037**  
[13] C

[51] **Int.Cl. C07C 237/24 (2006.01) A61K 31/00 (2006.01) C07C 311/46 (2006.01) C07D 207/12 (2006.01) C07D 307/79 (2006.01) C07D 317/60 (2006.01) C07D 319/18 (2006.01) C07D 405/12 (2006.01) C07D 409/12 (2006.01) C07D 413/12 (2006.01) C07D 498/04 (2006.01)**  
[25] EN  
[54] **MODULATORS OF ATP-BINDING CASSETTE TRANSPORTERS**  
[54] **MODULATEURS DE TRANSPORTEURS A CASSETTE LIANT L'ATP**  
[72] RUAH, SARA S. HADIDA, US  
[72] MILLER, MARK T., US  
[72] BEAR, BRIAN, US  
[72] MCCARTNEY, JASON, US  
[72] GROOTENHUIS, PETER D.J., US  
[73] VERTEX PHARMACEUTICALS INCORPORATED, US  
[86] (2856037)  
[87] (2856037)  
[22] 2006-12-28  
[62] 2,635,760  
[30] US (60/754,558) 2005-12-28  
[30] US (60/802,580) 2006-05-22

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[11] **2,856,691**  
[13] C

[51] **Int.Cl. C10L 1/06 (2006.01) C07C 41/09 (2006.01) C07C 43/04 (2006.01) C10L 3/10 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR PRODUCING GASOLINE OR DIMETHYL ETHER**  
[54] **SYSTEME OU PROCEDE DE FABRICATION D'ESSENCE OU D'ETHER DIMETHYLIQUE**  
[72] IJIMA, MASAKI, JP  
[73] MITSUBISHI HEAVY INDUSTRIES, LTD., JP  
[85] 2014-05-22  
[86] 2012-11-26 (PCT/JP2012/080435)  
[87] (WO2013/080906)  
[30] JP (2011-261759) 2011-11-30

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[11] **2,857,738**  
[13] C

[51] **Int.Cl. C09D 5/00 (2006.01)**  
[25] EN  
[54] **METHOD OF MITIGATING ICE BUILD-UP ON A SUBSTRATE**  
[54] **PROCEDE PERMETTANT DE LIMITER L'ACCUMULATION DE GLACE SUR UN SUBSTRAT**  
[72] MORAVEK, SCOTT J., US  
[72] CONNELLY, BRUCE A., US  
[72] RAKIEWICZ, EDWARD F., US  
[72] SCHWARTZMILLER, DAVINA J., US  
[72] ZALICH, MICHAEL A., US  
[73] PPG INDUSTRIES OHIO, INC., US  
[85] 2014-05-30  
[86] 2012-11-30 (PCT/US2012/067251)  
[87] (WO2013/082399)  
[30] US (61/566,077) 2011-12-02  
[30] US (13/688,571) 2012-11-29

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[11] **2,858,128**  
[13] C

[51] **Int.Cl. H02H 3/12 (2006.01) H02M 1/44 (2007.01) H02M 7/04 (2006.01) H05B 37/00 (2006.01)**

[25] EN

[54] **PRIMARY SIDE NO LOAD DETECTION AND SHUTDOWN CIRCUIT IN AN ISOLATED DRIVER**

[54] **CIRCUIT D'ARRET ET DE DETECTION DE CHARGE NULLE D'UN COTE PRINCIPAL DANS UN CIRCUIT PILOTE ISOLE**

[72] KUMAR, NITIN, US  
[72] ZIEGLER, MARKUS, US  
[73] OSRAM SYLVANIA INC., US  
[86] (2858128)  
[87] (2858128)  
[22] 2014-08-01  
[30] US (61/864,319) 2013-08-09  
[30] US (14/312,951) 2014-06-24

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[11] **2,858,313**  
[13] C

[51] **Int.Cl. A61K 8/87 (2006.01) A61Q 17/00 (2006.01) A61Q 19/10 (2006.01)**

[25] EN

[54] **CLEANSING COMPOSITIONS COMPRISING POLYURETHANE-34 THAT PREVENT BACTERIAL ADHESION TO SKIN**

[54] **COMPOSITIONS NETTOYANTES RENFERMANT DU POLYURETHANE 34 EMPECHANT L'ADHESION DES BACTERIES A LA PEAU**

[72] HOURIGAN, REGINA, US  
[72] MATTAI, JAIRAJH, US  
[72] MASTERS, JAMES, US  
[73] COLGATE-PALMOLIVE COMPANY, US  
[85] 2014-06-05  
[86] 2011-12-15 (PCT/US2011/065022)  
[87] (WO2013/089720)

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[11] **2,858,857**  
[13] C

[51] **Int.Cl. G01N 3/12 (2006.01)**

[25] EN

[54] **PRESSURE TESTING APPARATUS**

[54] **APPAREIL D'ESSAI DE PRESSION**

[72] SAND, KEITH, CA  
[73] SAND, KEITH, CA  
[86] (2858857)  
[87] (2858857)  
[22] 2014-08-11  
[30] US (14/452,670) 2014-08-06

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[11] **2,858,990**  
[13] C

[51] **Int.Cl. F16K 17/06 (2006.01) F16K 7/12 (2006.01) F16K 17/04 (2006.01)**

[25] EN

[54] **ADJUSTABLE PRESSURE CONTROLLED VALVE**

[54] **SOUPAPE A REGULATION DE PRESSION REGLABLE**

[72] HESSLING, TERRY JOHN, US  
[72] MENKO, SCOTT ANDREW, US  
[73] NUMATICS, INCORPORATED, US  
[85] 2014-06-11  
[86] 2011-12-14 (PCT/US2011/064813)  
[87] (WO2013/089694)

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[11] **2,859,036**  
[13] C

[51] **Int.Cl. E04H 6/08 (2006.01) E04H 6/00 (2006.01)**

[25] EN

[54] **AUTOMATED PARKING GARAGE/SELF-STORAGE APPARATUS**

[54] **APPAREIL DE PARC A ETAGES/STOCKAGE EN LIBRE-SERVICE AUTOMATIQUE**

[72] WASTEL, ANDREAS N., US  
[72] WASTEL, ANDREAS N., US  
[73] PARK PLUS, INC., US  
[73] WASTEL, ANDREAS N., US  
[85] 2014-06-11  
[86] 2012-12-21 (PCT/US2012/071189)  
[87] (WO2013/096739)  
[30] US (61/579,411) 2011-12-22  
[30] US (13/659,321) 2012-10-24  
[30] US (61/736,049) 2012-12-12

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[11] **2,859,567**  
[13] C

[51] **Int.Cl. A23L 7/157 (2016.01)**

[25] EN

[54] **CRUMB MANUFACTURE**

[54] **FABRICATION DE MIETTE**

[72] PICKFORD, KEITH GRAHAM, GB  
[72] VAN DOORN, KEES, NL  
[72] REICHGELT, CARRY, NL  
[73] CRISP SENSATION HOLDING SA, CH  
[85] 2014-06-17  
[86] 2012-12-18 (PCT/EP2012/076015)  
[87] (WO2013/092627)  
[30] EP (11194683.6) 2011-12-20

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[11] **2,859,883**  
[13] C

[51] **Int.Cl. F01K 13/00 (2006.01) F01K 7/16 (2006.01) F23R 3/02 (2006.01) F28D 20/00 (2006.01)**

[25] EN

[54] **GAS TURBINE FACILITY**

[54] **INSTALLATION DE TURBINE A GAZ**

[72] ITOH, MASAO, JP  
[72] OKIZONO, NOBUHIRO, JP  
[72] MAEDA, HIDEYUKI, JP  
[72] IWAI, YASUNORI, JP  
[72] FETVEDT, JEREMY ERON, US  
[72] ALLAM, RODNEY JOHN, GB  
[73] 8 RIVERS CAPITAL, LLC, US  
[86] (2859883)  
[87] (2859883)  
[22] 2014-08-20  
[30] JP (2013-175933) 2013-08-27

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[11] **2,860,077**  
[13] C

[51] **Int.Cl. H01J 49/26 (2006.01)**

[25] EN

[54] **ASYMMETRIC FIELD ION MOBILITY SPECTROMETER**

[54] **SPECTROMETRE A MOBILITE IONIQUE ET A CHAMP ASYMETRIQUE**

[72] CAO, SHIPING, CN  
[72] ZHANG, QINGJUN, CN  
[72] CHEN, ZHIQIANG, CN  
[72] ZHAO, ZIRAN, CN  
[72] LI, YUANJING, CN  
[72] LIU, YINONG, CN  
[72] DONG, SHUQIANG, CN  
[73] NUCTECH COMPANY LIMITED, CN  
[85] 2014-06-20  
[86] 2012-12-28 (PCT/CN2012/087797)  
[87] (WO2013/097758)  
[30] CN (201110446360.0) 2011-12-28

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[11] **2,860,125**  
[13] C

[51] **Int.Cl. F21V 17/02 (2006.01) F21V 21/03 (2006.01) F21V 21/14 (2006.01)**

[25] EN

[54] **LIGHT ASSEMBLY**

[54] **DISPOSITIF D'ECLAIRAGE**

[72] ONDA, JOSEPH L., US  
[72] GROVE, DOUGLAS DEWAYNE, US  
[72] SCHOENEBERG, CARL JASON, US  
[73] ABL IP HOLDING LLC, US  
[86] (2860125)  
[87] (2860125)  
[22] 2014-08-21

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[11] **2,861,143**  
[13] C

[51] **Int.Cl. B29C 33/04 (2006.01) B29C 43/52 (2006.01) B29C 45/73 (2006.01)**  
[25] EN  
[54] **A MALE MOULD ELEMENT**  
[54] **ELEMENT DE MOULE MALE**  
[72] PENAZZI, DAVIDE, IT  
[73] SACMI COOPERATIVA MECCANICI IMOLA SOCIETA' COOPERATIVA, IT  
[85] 2014-06-25  
[86] 2013-03-20 (PCT/IB2013/052210)  
[87] (WO2013/140351)  
[30] IT (MO2012A000072) 2012-03-21

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[11] **2,861,385**  
[13] C

[51] **Int.Cl. A47C 7/02 (2006.01)**  
[25] EN  
[54] **SEAT CUSHION WITH FLEXIBLE CONTOURING**  
[54] **COUSSIN DE SIEGE DOTE D'UN CONTOUR FLEXIBLE**  
[72] SIEKMAN, ALLEN, US  
[72] PRUST, PETER C., US  
[73] BACKJOY ORTHOTICS, LLC, US  
[85] 2014-07-15  
[86] 2013-01-31 (PCT/US2013/024008)  
[87] (WO2013/116438)  
[30] US (61/593,155) 2012-01-31

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[11] **2,861,450**  
[13] C

[51] **Int.Cl. B01D 53/02 (2006.01) B01D 53/62 (2006.01) B01D 53/92 (2006.01) B01J 20/04 (2006.01)**  
[25] EN  
[54] **MIXED SALT CO2 SORBENT, PROCESSES FOR MAKING AND USES THEREOF**  
[54] **SORBANT CO2 DE SELS MIXTES, PROCESSUS DE PRODUCTION ET D'UTILISATIONS ASSOCIES**  
[72] HAMAD, ESAM ZAKI, SA  
[72] AL-SADAT, WAJDI ISSAM, SA  
[72] COLEMAN, LUKE, US  
[72] SHEN, J.P., US  
[72] GUPTA, RAGHUBIR, US  
[73] SAUDI ARABIAN OIL COMPANY, SA  
[73] RESEARCH TRIANGLE INSTITUTE, US  
[85] 2014-07-16  
[86] 2013-01-18 (PCT/US2013/022151)  
[87] (WO2013/109895)  
[30] US (61/588,927) 2012-01-20  
[30] US (61/673,395) 2012-07-19

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[11] **2,861,642**  
[13] C

[51] **Int.Cl. H04W 72/08 (2009.01) H04W 72/04 (2009.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR SCHEDULING VARIOUS TYPES OF PEER-TO-PEER COMMUNICATION LINKS**  
[54] **PROCEDE ET APPAREIL DE PLANIFICATION DE DIVERS TYPES DE LIAISONS DE COMMUNICATION POSTE-A-POSTE**  
[72] BAKER, MICHAEL H., US  
[72] BONTA, JEFFREY D., US  
[72] CALCEV, GEORGE, US  
[72] MANGALVEDHE, NITIN R., US  
[72] MICHELS, JAMES P., US  
[72] SMITH, NATHAN J., US  
[73] MOTOROLA SOLUTIONS, INC., US  
[85] 2014-06-25  
[86] 2012-12-21 (PCT/US2012/071150)  
[87] (WO2013/101705)  
[30] US (13/339,518) 2011-12-29

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[11] **2,861,648**  
[13] C

[51] **Int.Cl. E21B 47/12 (2012.01)**  
[25] EN  
[54] **DOWNHOLE ROBOTS AND METHODS OF USING SAME**  
[54] **ROBOTS D'EXTRACTION ET LEURS PROCEDES D'UTILISATION**  
[72] HALL, LEE J., US  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2014-06-25  
[86] 2013-01-07 (PCT/US2013/020553)  
[87] (WO2013/112273)  
[30] US (13/356,234) 2012-01-23

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[11] **2,861,707**  
[13] C

[51] **Int.Cl. C03C 17/34 (2006.01)**  
[25] EN  
[54] **PANE WITH THERMAL RADIATION REFLECTING COATING**  
[54] **VITRE AVEC REVETEMENT REFLECHISSANT LE RAYONNEMENT DE CHALEUR**  
[72] HAGEN, JAN, DE  
[72] MELCHER, MARTIN, DE  
[72] RUCHMANN, JULIETTE, FR  
[72] VINCENT, JULIA, DE  
[73] SAINT-GOBAIN GLASS FRANCE, FR  
[85] 2014-06-26  
[86] 2013-01-16 (PCT/EP2013/050698)  
[87] (WO2013/131667)  
[30] EP (12158005.4) 2012-03-05

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[11] **2,862,811**  
[13] C

[51] **Int.Cl. A45D 33/00 (2006.01)**  
[25] EN  
[54] **COMPACT CASE WITH CAKE RETENTION PAN**  
[54] **POUDRIER COMPORTANT UN BOITIER DE RETENUE DE BLOC COMPACT**  
[72] BOUIX, HERVE F., US  
[72] CORBELLINI, FRANCIS, FR  
[73] ELC MANAGEMENT LLC, US  
[85] 2014-07-25  
[86] 2013-01-03 (PCT/US2013/020136)  
[87] (WO2013/115935)  
[30] US (13/361,272) 2012-01-30

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[11] **2,862,887**  
[13] C

[51] **Int.Cl. F15B 21/08 (2006.01)**  
[25] EN  
[54] **FLUID POWER CONTROL SYSTEM FOR MOBILE LOAD HANDLING EQUIPMENT**  
[54] **SYSTEME DE COMMANDE A TRANSMISSION D'ENERGIE PAR FLUIDE POUR EQUIPEMENT DE MANIPULATION DE CHARGE MOBILE**  
[72] MCKERNAN, PAT S., US  
[72] NAGLE, GREGORY A., US  
[73] CASCADE CORPORATION, US  
[85] 2014-07-25  
[86] 2013-02-07 (PCT/US2013/025052)  
[87] (WO2013/158199)  
[30] US (13/451,320) 2012-04-19

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[11] **2,863,565**  
[13] C

[51] **Int.Cl. B23Q 11/10 (2006.01) B23B 27/10 (2006.01)**  
[25] EN  
[54] **CUTTING TOOL WITH INTERNAL FLUID DELIVERY SYSTEM**  
[54] **OUTIL DE COUPE EQUIPE D'UN SYSTEME INTERNE DE DISTRIBUTION DE FLUIDE**  
[72] AMSTIBOVITSKY, LEONID, IL  
[73] ISCAR LTD., IL  
[85] 2014-08-01  
[86] 2013-03-10 (PCT/IL2013/050221)  
[87] (WO2013/124859)

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[11] **2,863,616**  
[13] C

[51] **Int.Cl. C01B 37/02 (2006.01) C01B 37/00 (2006.01) C01B 39/08 (2006.01) C01B 39/48 (2006.01)**  
[25] EN  
[54] **MOLECULAR SIEVE MATERIAL, ITS SYNTHESIS AND USE**  
[54] **MATERIAU DE TAMIS MOLECULAIRE, SA SYNTHESE ET SON UTILISATION**  
[72] WESTON, SIMON C., US  
[72] STROHMAIER, KARL G., US  
[72] VROMAN, HILDA B., US  
[73] EXXONMOBIL CHEMICAL PATENTS INC., US  
[85] 2014-08-01  
[86] 2012-12-27 (PCT/US2012/071819)  
[87] (WO2013/126140)  
[30] US (61/601,187) 2012-02-21  
[30] EP (12164538.6) 2012-04-18

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[11] **2,863,903**  
[13] C

[51] **Int.Cl. E04D 13/08 (2006.01) F16C 11/04 (2006.01)**  
[25] EN  
[54] **HINGED DOWNSPOUT**  
[54] **TUYAU DE DESCENTE A ARTICULATION**  
[72] BAILEY, LANCE D., US  
[73] BAILEY, LANCE D., US  
[85] 2014-08-06  
[86] 2013-02-06 (PCT/US2013/024867)  
[87] (WO2013/119618)  
[30] US (13/367,343) 2012-02-06

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[11] **2,863,619**  
[13] C

[51] **Int.Cl. E21B 33/129 (2006.01) E21B 23/01 (2006.01) E21B 33/10 (2006.01)**  
[25] EN  
[54] **DOWNHOLE TOOL HAVING SLIP COMPOSED OF COMPOSITE RING**  
[54] **OUTIL DE FOND DE TROU COMPORTANT UN ELEMENT COULISSANT CONSTITUE D'UN ANNEAU COMPOSITE**  
[72] STAGE, MATTHEW, US  
[72] YOUNG, JONATHAN, US  
[72] PRITCHETT, WESLEY, US  
[72] ROCHEN, JAMES A., US  
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US

[86] (2863619)  
[87] (2863619)  
[22] 2014-09-12  
[30] US (61/877,113) 2013-09-12  
[30] US (61/877,136) 2013-09-12

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[11] **2,863,712**  
[13] C

[51] **Int.Cl. H01S 3/10 (2006.01) H01S 5/20 (2006.01) H01S 5/42 (2006.01)**  
[25] EN  
[54] **LASER LIGHT SOURCE MODULE AND LASER LIGHT SOURCE DEVICE**  
[54] **MODULE DE SOURCE LUMINEUSE LASER ET DISPOSITIF DE SOURCE DE LUMIERE LASER**  
[72] YABE, MITORU, JP  
[73] MITSUBISHI ELECTRIC CORPORATION, JP  
[86] (2863712)  
[87] (2863712)  
[22] 2014-09-15  
[30] JP (2014-025005) 2014-02-13

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[11] **2,863,903**  
[13] C

[51] **Int.Cl. E04D 13/08 (2006.01) F16C 11/04 (2006.01)**  
[25] EN  
[54] **HINGED DOWNSPOUT**  
[54] **TUYAU DE DESCENTE A ARTICULATION**  
[72] BAILEY, LANCE D., US  
[73] BAILEY, LANCE D., US  
[85] 2014-08-06  
[86] 2013-02-06 (PCT/US2013/024867)  
[87] (WO2013/119618)  
[30] US (13/367,343) 2012-02-06

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[11] **2,864,697**  
[13] C

[51] **Int.Cl. A61F 2/42 (2006.01)**  
[25] EN  
[54] **HAMMER TOE IMPLANT AND METHOD**  
[54] **IMPLANT ET PROCEDE POUR ORTEIL EN MARTEAU**  
[72] MCCORMICK, DANIEL FRANCIS, US  
[72] SHEMWELL, JESSICA LAUREN, US  
[73] WRIGHT MEDICAL TECHNOLOGY, INC., US  
[86] (2864697)  
[87] (2864697)  
[22] 2014-09-25  
[30] US (14/043,105) 2013-10-01

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[11] **2,866,059**  
[13] C

[51] **Int.Cl. F41G 1/38 (2006.01) F41G 1/16 (2006.01) G02B 23/16 (2006.01)**  
[25] EN  
[54] **LOCKING ADJUSTER**  
[54] **ORGANE DE REGLAGE POUR LE VERROUILLAGE**  
[72] PRESLEY, MICHAEL, US  
[72] DELACA, RODNEY, US  
[72] HORVATH, ANTHONY, US  
[73] TRIJICON, INC., US  
[86] (2866059)  
[87] (2866059)  
[22] 2014-10-03  
[30] US (14/096,651) 2013-12-04

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[11] **2,866,108**  
[13] C

[51] **Int.Cl. A61K 31/415 (2006.01) A61P 11/00 (2006.01)**  
[25] EN  
[54] **USE OF A PYRAZOLE DERIVATIVE IN THE TREATMENT OF ACUTE EXACERBATIONS OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE**  
[54] **UTILISATION D'UN DERIVE DE PYRAZOLE DANS LE TRAITEMENT D'EXACERBATIONS AIGUES D'UNE MALADIE PULMONAIRE OBSTRUCTIVE CHRONIQUE**  
[72] FORD, PAUL ANDREW, GB  
[73] NOVARTIS AG, CH  
[85] 2014-09-02  
[86] 2013-03-19 (PCT/EP2013/055730)  
[87] (WO2013/139809)  
[30] US (61/613,187) 2012-03-20

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[11] **2,866,434**  
[13] C

[51] **Int.Cl. H01R 12/62 (2011.01) H01R 13/6471 (2011.01) H01R 13/6474 (2011.01) H01R 13/04 (2006.01)**

[25] EN

[54] **DIFFERENTIAL SIGNAL CONNECTOR CAPABLE OF REDUCING SKEW BETWEEN A DIFFERENTIAL SIGNAL PAIR**

[54] **CONNECTEUR POUR SIGNAUX DIFFERENTIELS POUVANT REDUIRE L'ECART ANGULAIRE ENTRE UNE PAIRE DE SIGNAUX DIFFERENTS**

[72] SHIRATORI, MASAYUKI, JP

[72] AIHARA, SHUICHI, JP

[72] KATAYANAGI, MASAYUKI, JP

[72] HASHIGUCHI, OSAMU, JP

[73] JAPAN AVIATION ELECTRONICS INDUSTRY, LIMITED, JP

[86] (2866434)

[87] (2866434)

[22] 2012-02-09

[62] 2,767,669

[30] JP (2011-037321) 2011-02-23

[30] JP (2011-224075) 2011-10-11

[30] JP (2011-224098) 2011-10-11

[30] JP (2011-224139) 2011-10-11

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[11] **2,866,702**  
[13] C

[51] **Int.Cl. A47L 11/38 (2006.01)**

[25] EN

[54] **CLEANING ARTICLE WITH DIFFERENTIAL OVERLAP BETWEEN SHEET AND TOW FIBERS**

[54] **ARTICLE DE NETTOYAGE AVEC CHEVAUCHEMENT DIFFERENTIEL ENTRE UNE FEUILLE ET DES FIBRES D'ETOUPE**

[72] POLICICCHIO, NICOLA JOHN, US

[73] THE PROCTER & GAMBLE COMPANY, US

[85] 2014-09-08

[86] 2013-03-08 (PCT/US2013/029738)

[87] (WO2013/134578)

[30] US (13/416,334) 2012-03-09

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[11] **2,867,065**  
[13] C

[51] **Int.Cl. B01J 20/34 (2006.01) B01D 53/64 (2006.01) B01J 20/20 (2006.01) B09B 3/00 (2006.01)**

[25] EN

[54] **ACTIVATED CARBON AND COAL COMBUSTION RESIDUE TREATMENT SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE CHARBON ACTIF ET DE RESIDUS DE COMBUSTION DE CHARBON**

[72] D'AMICO, PETER, US

[72] POLING, CHRISTOPHER, US

[72] LESNIAK, THOMAS, US

[73] MERCUTEK LLC, US

[85] 2014-09-08

[86] 2013-03-14 (PCT/US2013/031487)

[87] (WO2013/138620)

[30] US (61/685,240) 2012-03-14

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[11] **2,867,219**  
[13] C

[51] **Int.Cl. H04L 12/741 (2013.01) H04L 12/863 (2013.01) H04L 29/06 (2006.01)**

[25] EN

[54] **DATA COMMUNICATIONS NETWORK FOR AN AIRCRAFT**

[54] **RESEAU DE COMMUNICATION DE DONNEES POUR UN AERONEF**

[72] BOBREK, PAVLO, US

[73] GE AVIATION SYSTEMS LLC, US

[86] (2867219)

[87] (2867219)

[22] 2014-10-02

[30] US (14/052,016) 2013-10-11

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[11] **2,867,651**  
[13] C

[51] **Int.Cl. H01M 10/04 (2006.01) H01M 2/20 (2006.01)**

[25] EN

[54] **SECONDARY BATTERY**

[54] **BATTERIE RECHARGEABLE**

[72] KUDOH, TAKUO, JP

[72] HIWADA, KIYOYASU, JP

[72] INOUE, TATSUO, JP

[72] NAKAZAWA, AKIRA, JP

[72] TERAKADO, NOBUAKI, JP

[73] KABUSHIKI KAISHA NIHON MICRONICS, JP

[73] GUALA TECHNOLOGY CO., LTD., JP

[85] 2014-09-17

[86] 2013-04-05 (PCT/JP2013/060467)

[87] (WO2013/154046)

[30] JP (PCT/JP2012/059706) 2012-04-09

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[11] **2,867,769**  
[13] C

[51] **Int.Cl. F16K 3/26 (2006.01) F16K 21/04 (2006.01) F16K 31/58 (2006.01)**

[25] EN

[54] **SINGLE-OPENING PUMPING NOZZLE AND DIRECT-PRESSING DUAL-OPENING AUTOMATIC-SWITCHING PUMPING NOZZLE**

[54] **BUSE DE POMPAGE A OUVERTURE SIMPLE ET BUSE DE POMPAGE A COMMUTATEUR D'OUVERTURE DOUBLE A PRESSION**

[72] WANG, LOPIN, TW

[73] BETO ENGINEERING AND MARKETING CO., LTD., TW

[86] (2867769)

[87] (2867769)

[22] 2014-10-15

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[11] **2,867,981**  
[13] C

[51] **Int.Cl. C12N 15/867 (2006.01) C12N 15/113 (2010.01) A61K 31/713 (2006.01) A61P 31/12 (2006.01) C12N 5/10 (2006.01) C12N 7/01 (2006.01)**

[25] EN

[54] **METHOD FOR EXPRESSION OF SMALL ANTIVIRAL RNA MOLECULES WITHIN A CELL**

[54] **PROCEDE D'EXPRESSION DE PETITES MOLECULES D'ARN ANTIVIRALES A L'INTERIEUR D'UNE CELLULE**

[72] BALTIMORE, DAVID, US

[72] QIN, XIAO-FENG, US

[72] LOIS-CABALLE, CARLOS, US

[72] CHEN, IRVIN S.Y., US

[72] AN, DONG SUNG, US

[73] CALIFORNIA INSTITUTE OF TECHNOLOGY, US

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

[86] (2867981)

[87] (2867981)

[22] 2002-09-13

[62] 2,457,282

[30] US (60/322,031) 2001-09-13

[30] US (60/347,782) 2002-01-09

[30] US (60/389,592) 2002-06-18

[30] US (60/406,436) 2002-08-27

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[11] **2,868,394**  
[13] C

[51] **Int.Cl. C22C 38/18 (2006.01) C21D 8/00 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01)**

[25] EN

[54] **STEEL FOR MECHANICAL STRUCTURE FOR COLD WORKING, AND METHOD FOR MANUFACTURING SAME**

[54] **ACIER POUR UNE STRUCTURE MECANIQUE POUR UN FORMAGE A FROID, ET PROCEDE DE FABRICATION DE CE DERNIER**

[72] YAMASHITA, KOJI, JP

[72] TSUCHIDA, TAKEHIRO, JP

[72] CHIBA, MASAMICHI, JP

[73] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBELCO STEEL, LTD.), JP

[85] 2014-09-24

[86] 2013-04-04 (PCT/JP2013/060357)

[87] (WO2013/161538)

[30] JP (2012-098774) 2012-04-24

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[11] **2,868,526**  
[13] C

[51] **Int.Cl. E21B 33/06 (2006.01)**

[25] EN

[54] **BLOWOUT PREVENTER WITH LOCKING RAM ASSEMBLY AND METHOD OF USING SAME**

[54] **OBTURATEUR ANTIERUPTION COMPRENANT UN ENSEMBLE RAME DE VERROUILLAGE ET PROCEDE D'UTILISATION CORRESPONDANT**

[72] JAHNKE, DOUGLAS A., US

[73] NATIONAL OILWELL VARCO, L.P., US

[85] 2014-09-25

[86] 2013-04-10 (PCT/US2013/036010)

[87] (WO2013/155206)

[30] US (61/622,458) 2012-04-10

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[11] **2,868,536**  
[13] C

[51] **Int.Cl. F01D 5/18 (2006.01)**

[25] EN

[54] **TURBINE AIRFOIL TRAILING EDGE COOLING SLOTS**

[54] **FENTES DE REFROIDISSEMENT DE BORD DE FUITE DE SURFACE PORTANTE DE TURBINE**

[72] BERGHOLZ, ROBERT FREDERICK, JR., US

[72] DURSTOCK, DANIEL LEE, US

[73] GENERAL ELECTRIC COMPANY, US

[85] 2014-09-25

[86] 2013-03-27 (PCT/US2013/033993)

[87] (WO2014/011253)

[30] US (13/438,296) 2012-04-03

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[11] **2,870,053**  
[13] C

[51] **Int.Cl. E21B 47/095 (2012.01) E21B 47/14 (2006.01)**

[25] EN

[54] **LOCATION OF DOWNHOLE LINES**

[54] **LOCALISATION DE LIGNES DE FOND DE TROU**

[72] SKINNER, NEAL G., US

[72] FRIPP, MICHAEL L., US

[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2014-10-08

[86] 2013-06-04 (PCT/US2013/044034)

[87] (WO2013/188166)

[30] US (13/494,826) 2012-06-12

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[11] **2,870,243**  
[13] C

[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/00 (2006.01) A61B 5/1486 (2006.01) A61B 5/157 (2006.01)**

[25] EN

[54] **SENSOR CARTRIDGE AND INSERTER**

[54] **CARTOUCHE CAPTEUR ET DISPOSITIF D'INSERTION**

[72] FREY, STEPHAN-MICHAEL, DE

[72] HECK, WOLFGANG, DE

[72] KUBE, OLIVER, DE

[72] WALTER, HELMUT, DE

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

[85] 2014-10-10

[86] 2013-05-21 (PCT/EP2013/060364)

[87] (WO2013/178499)

[30] EP (12170224.5) 2012-05-31

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[11] **2,870,249**  
[13] C

[51] **Int.Cl. B64D 13/06 (2006.01) B60H 3/00 (2006.01) F24F 3/06 (2006.01) F24F 3/14 (2006.01) F24F 13/02 (2006.01) F24F 13/30 (2006.01)**

[25] EN

[54] **DEHUMIDIFICATION SYSTEM FOR USE IN A VEHICLE AND METHOD OF ASSEMBLING THEREOF**

[54] **SYSTEME DE DESHUMIDIFICATION POUR VEHICULE ET PROCEDE D'ASSEMBLAGE DUDIT SYSTEME**

[72] VUE, FUE CHUE, US

[73] THE BOEING COMPANY, US

[86] (2870249)

[87] (2870249)

[22] 2014-11-06

[30] US (14/162,998) 2014-01-24

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[11] **2,870,757**  
[13] C

[51] **Int.Cl. F02C 7/232 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR PREVENTING FUEL LEAKAGE IN A GAS TURBINE ENGINE**  
[54] **SYSTEMES ET PROCEDES PERMETTANT D'EMPECHER UNE FUITE DE COMBUSTIBLE DANS UN MOTEUR DE TURBINE A GAZ**  
[72] ELLSWORTH, RICHARD ALLEN, US  
[72] VAN ALEN, FREDERICK EHRWULF, US  
[72] NG, THOMAS VANDER, US  
[73] GENERAL ELECTRIC COMPANY, US  
[85] 2014-10-16  
[86] 2013-04-26 (PCT/US2013/038393)  
[87] (WO2014/014536)  
[30] US (61/639,627) 2012-04-27

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[11] **2,871,080**  
[13] C

[51] **Int.Cl. E03B 7/12 (2006.01) F16K 24/00 (2006.01) F16K 31/68 (2006.01)**  
[25] EN  
[54] **CONTROL DEVICE FOR ANTI-FREEZE FAUCET**  
[54] **DISPOSITIF DE COMMANDE POUR ROBINET ANTIGEL**  
[72] KO, CHIH HAN, TW  
[73] KO, CHIH HAN, TW  
[86] (2871080)  
[87] (2871080)  
[22] 2014-11-07  
[30] TW (103217142) 2014-09-26

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[11] **2,871,214**  
[13] C

[51] **Int.Cl. B01F 15/04 (2006.01) B01F 7/16 (2006.01) B01F 7/22 (2006.01)**  
[25] EN  
[54] **AUTOMATIC FLOW CONTROL IN MIXING FRACTURING GEL**  
[54] **REGULATION AUTOMATIQUE DU DEBIT LORS DU MELANGE D'UN GEL DE FRACTURATION**  
[72] LUCAS, BRYAN CHAPMAN, US  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2014-10-22  
[86] 2013-04-24 (PCT/US2013/038066)  
[87] (WO2013/173033)  
[30] US (13/472,920) 2012-05-16

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[11] **2,871,431**  
[13] C

[51] **Int.Cl. E03D 11/16 (2006.01)**  
[25] EN  
[54] **MODULAR WAXLESS SEAL**  
[54] **JOINT D'ETANCHEITE SANS CIRE MODULAIRE**  
[72] GUTHRIE, KEVIN J., US  
[73] LAVELLE INDUSTRIES, INC., US  
[86] (2871431)  
[87] (2871431)  
[22] 2014-11-18  
[30] US (60/905797) 2013-11-18

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[11] **2,872,424**  
[13] C

[51] **Int.Cl. A61K 31/34 (2006.01) A61P 31/18 (2006.01)**  
[25] EN  
[54] **BISFURAN DERIVATIVES USEFUL IN PREVENTING THE EMERGENCE OF MULTIDRUG RESISTANT HIV STRAINS AND TREATMENT OF HIV**  
[54] **DERIVES DE BISFURANE UTILES DANS LA PREVENTION DE L'EMERGENCE DE SOUCHES DE VIH MULTIRESISTANTES AUX MEDICAMENTS ET LE TRAITEMENT DU VIH**  
[72] ERICKSON, JOHN W., US  
[72] GULNICK, SERGEI V., US  
[72] MITSUYA, HIROAKI, US  
[72] GHOSH, ARUN K., US  
[73] THE UNITED STATES OF AMERICA, REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US  
[73] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, US  
[86] (2872424)  
[87] (2872424)  
[22] 1999-06-23  
[62] 2,336,160  
[30] US (60/090,393) 1998-06-23

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[72] ROBINSON, IAN, GB  
[72] JOBLING, WAYNE, GB  
[72] SPREADBOROUGH, IAN, GB  
[72] SMYTH, DEREK, GB  
[73] 3M INNOVATIVE PROPERTIES COMPANY, US  
[73] !OBAC LIMITED, GB  
[85] 2014-11-19  
[86] 2013-05-31 (PCT/EP2013/061285)  
[87] (WO2013/182490)  
[30] EP (12171106.3) 2012-06-06

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[11] **2,873,717**  
[13] C

[51] **Int.Cl. G01V 9/00 (2006.01) E21B 47/00 (2012.01) G06F 19/00 (2011.01)**  
[25] EN  
[54] **METHOD AND SYSTEM OF DISPLAYING A GRAPHICAL REPRESENTATION OF HYDROCARBON PRODUCTION PARAMETERS**  
[54] **PROCEDE ET SYSTEME D'AFFICHAGE D'UNE REPRESENTATION GRAPHIQUE DE PARAMETRES DE PRODUCTION D'HYDROCARBURE**  
[72] LOPEZGARCIA, CARLOS M., US  
[72] MORICCA, GIUSEPPE, IT  
[72] CARVAJAL, GUSTAVO A., US  
[72] VILLAMIZAR, MIGUEL A., US  
[73] LANDMARK GRAPHICS CORPORATION, US  
[85] 2014-11-14  
[86] 2013-03-13 (PCT/US2013/030973)  
[87] (WO2013/172946)  
[30] US (61/646,413) 2012-05-14

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[11] **2,874,094**  
[13] C

[51] **Int.Cl. C04B 26/16 (2006.01) C04B 41/48 (2006.01) C04B 41/63 (2006.01) C08G 18/38 (2006.01) C09D 7/12 (2006.01) C09D 175/02 (2006.01) C09D 175/04 (2006.01) E04F 13/08 (2006.01) C08K 3/22 (2006.01)**  
[25] EN  
[54] **MAGNETIC FLOOR SURFACE**  
[54] **SURFACE DE PLANCHER MAGNETIQUE**  
[72] ROBINSON, IAN, GB  
[72] JOBLING, WAYNE, GB  
[72] SPREADBOROUGH, IAN, GB  
[72] SMYTH, DEREK, GB  
[73] 3M INNOVATIVE PROPERTIES COMPANY, US  
[73] !OBAC LIMITED, GB  
[85] 2014-11-19  
[86] 2013-05-31 (PCT/EP2013/061285)  
[87] (WO2013/182490)  
[30] EP (12171106.3) 2012-06-06



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[11] **2,876,232**  
[13] C

[51] **Int.Cl. F41A 19/10 (2006.01) H05C 1/00 (2006.01)**  
[25] EN  
[54] **TRIGGER EMULATION MECHANISM OF ELECTRIC GUN**  
[54] **MECANISME D'EMULATION DE DETENTE DE PISTOLET ELECTRIQUE**  
[72] LIAO, YIN-HSI, TW  
[73] GUAY GUAY TRADING CO., LTD., TW  
[86] (2876232)  
[87] (2876232)  
[22] 2015-01-05

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[11] **2,876,395**  
[13] C

[51] **Int.Cl. C09K 8/03 (2006.01) C09K 8/035 (2006.01) C09K 8/34 (2006.01)**  
[25] EN  
[54] **OIL ABSORBENT OILFIELD MATERIALS AS ADDITIVES IN OIL-BASED DRILLING FLUID APPLICATIONS**  
[54] **MATERIAUX DE CHAMPS PETROLIFERES ABSORBANT L'HUILE EN TANT QU'ADDITIFS DANS DES APPLICATIONS DE FLUIDES DE FORAGE A BASE D'HUILE**  
[72] MORRIS, KAY ANN, US  
[72] MILLER, MATTHEW LYNN, US  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2014-12-11  
[86] 2013-03-17 (PCT/US2013/032731)  
[87] (WO2013/191776)  
[30] US (13/527,588) 2012-06-20

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[11] **2,877,104**  
[13] C

[51] **Int.Cl. B63B 9/06 (2006.01) B63B 35/44 (2006.01) B63B 39/06 (2006.01)**  
[25] EN  
[54] **FLOATING OFFSHORE PLATFORM AND CENTRALIZED OPEN KEEL PLATE**  
[54] **PLATEFORME OFFSHORE FLOTTANTE ET PLAQUE DE QUILLE OUVERTE CENTRALISEE**  
[72] YANG, CHAN KYU, US  
[73] TECHNIP FRANCE, FR  
[85] 2014-12-17  
[86] 2013-05-24 (PCT/US2013/042755)  
[87] (WO2014/003939)  
[30] US (13/534,457) 2012-06-27

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[11] **2,877,846**  
[13] C

[51] **Int.Cl. C09D 11/10 (2014.01)**  
[25] EN  
[54] **ALCOHOL-BASED PRINTING INK COMPOSITION**  
[54] **COMPOSITION D'ENCRE D'IMPRESSION A BASE D'ALCOOL**  
[72] OYA, TORU, JP  
[72] SATO, YUKI, JP  
[72] TONE, YOSHITAKA, JP  
[72] NARIHIRO, HARUNORI, JP  
[73] TOYO INK SC HOLDINGS CO., LTD., JP  
[73] TOYO INK CO., LTD., JP  
[85] 2014-12-23  
[86] 2013-06-27 (PCT/JP2013/067616)  
[87] (WO2014/003102)  
[30] JP (2012-143658) 2012-06-27

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[11] **2,878,118**  
[13] C

[51] **Int.Cl. E05B 47/00 (2006.01)**  
[25] EN  
[54] **ELECTRONIC LOCK CYLINDER, ELECTRONIC LOCK SYSTEM CONTAINING SAME AND METHOD FOR UNLOCKING LOCK**  
[54] **CYLINDRE DE SERRURE ELECTRONIQUE, SYSTEME DE SERRURE ELECTRONIQUE LE CONTENANT ET PROCEDE POUR DEVERROUILLER UNE SERRURE**  
[72] CHEN, BINGHUI, CN  
[73] GUANGZHOU AVARTA ELECTRONICS TECHNOLOGY CO., LTD., CN  
[85] 2014-12-30  
[86] 2013-07-03 (PCT/CN2013/000814)  
[87] (WO2014/005422)  
[30] CN (201210228780.6) 2012-07-03

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[11] **2,878,703**  
[13] C

[51] **Int.Cl. H01R 13/24 (2006.01) H01R 12/71 (2011.01)**  
[25] EN  
[54] **ELECTRICAL CONTACT CONTACT ELECTRIQUE**  
[72] MILLER, KEITH EDWIN, US  
[72] YI, CHONG HUN, US  
[72] MCALONIS, MATTHEW RICHARD, US  
[72] THACKSTON, KEVIN MICHAEL, US  
[72] BELACK, DUSTIN CARSON, US  
[72] TSANG, ALBERT, US  
[72] RUFFINI, NICHOLAS PAUL, US  
[72] MCKENNEY, DARRYL J., US  
[72] OUELLETTE, ERICA L., US  
[73] TYCO ELECTRONICS CORPORATION, US  
[73] MERCURY SYSTEMS, INC., US  
[85] 2015-01-08  
[86] 2013-08-06 (PCT/US2013/053732)  
[87] (WO2014/028266)  
[30] US (61/683,537) 2012-08-15  
[30] US (13/743,128) 2013-01-16

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[11] **2,878,749**  
[13] C

[51] **Int.Cl. B60W 40/08 (2012.01) A61B 5/00 (2006.01)**  
[25] EN  
[54] **SYSTEMS, COMPUTER MEDIUM AND COMPUTER-IMPLEMENTED METHODS FOR MONITORING HEALTH AND ERGONOMIC STATUS OF DRIVERS OF VEHICLES**  
[54] **SYSTEMES, SUPPORT INFORMATIQUE ET PROCEDES INFORMATISES POUR SURVEILLER LA SANTE ET L'ETAT ERGONOMIQUE DE CONDUCTEURS DE VEHICULES**  
[72] HORSEMAN, SAMANTHA J., SA  
[73] JOHNS HOPKINS ARAMCO HEALTHCARE COMPANY, SA  
[86] (2878749)  
[87] (2878749)  
[22] 2012-07-03  
[62] 2,840,981  
[30] US (61/504,638) 2011-07-05  
[30] US (61/659,790) 2012-06-14  
[30] US (61/659,796) 2012-06-14  
[30] US (61/659,800) 2012-06-14  
[30] US (61/659,807) 2012-06-14  
[30] US (61/659,810) 2012-06-14  
[30] US (61/659,818) 2012-06-14  
[30] US (61/659,824) 2012-06-14  
[30] US (61/659,831) 2012-06-14  
[30] US (61/664,387) 2012-06-26  
[30] US (61/664,399) 2012-06-26  
[30] US (61/664,414) 2012-06-26  
[30] US (13/540,374) 2012-07-02

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[11] **2,879,705**  
[13] C

[51] **Int.Cl. B64D 37/32 (2006.01) B01D 63/02 (2006.01) B01D 69/02 (2006.01) B01D 69/08 (2006.01)**  
[25] EN  
[54] **AIRCRAFT FUEL TANK FLAMMABILITY REDUCTION METHODS AND SYSTEMS AND AIR SEPARATION METHODS USING MEMBRANES**  
[54] **PROCEDES ET SYSTEMES DE REDUCTION DE L'INFLAMMABILITE D'UN RESERVOIR DE CARBURANT D'AVION ET PROCEDES DE SEPARATION DE L'AIR UTILISANT DES MEMBRANES**  
[72] EVOSEVICH, BARBARA J., US  
[72] JOJIC, IVANA, US  
[73] THE BOEING COMPANY, US  
[85] 2015-01-19  
[86] 2013-10-10 (PCT/US2013/064380)  
[87] (WO2014/107207)  
[30] US (13/665,767) 2012-10-31

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[11] **2,879,791**  
[13] C

[51] **Int.Cl. C07C 319/24 (2006.01) C07C 319/28 (2006.01) C07C 321/14 (2006.01)**  
[25] FR  
[54] **PRODUCTION OF SYMMETRIC AND ASYMMETRIC DISULPHIDES BY REACTIVE DISTILLATION OF DISULPHIDE MIXTURES**  
[54] **PREPARATION DE DISULFURES SYMETRIQUES ET DISSYMETRIQUES PAR DISTILLATION REACTIVE DE MELANGES DE DISULFURES**  
[72] FREMY, GEORGES, FR  
[73] ARKEMA FRANCE, FR  
[85] 2015-01-21  
[86] 2013-08-27 (PCT/FR2013/051974)  
[87] (WO2014/033399)  
[30] FR (12.58110) 2012-08-30

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[11] **2,880,251**  
[13] C

[51] **Int.Cl. C07D 473/34 (2006.01) A61K 31/437 (2006.01) A61K 31/4985 (2006.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01)**  
[25] EN  
[54] **NOVEL HETEROARYL AND HETEROCYCLE COMPOUNDS, COMPOSITION AND METHODS THEREOF**  
[54] **NOUVEAUX COMPOSES HETEROARYLIQUES ET HETEROCYCLIQUES ET COMPOSITIONS ET PROCEDES S'Y RAPPORTANT**  
[72] SU, WEI-GUO, CN  
[72] DAI, GUANGXIU, CN  
[72] XIAO, KUN, CN  
[72] JIA, HONG, CN  
[72] ZHANG, ZHULIN, CN  
[72] VENABLE, JENNIFER DIANE, US  
[72] BEMBENEK, SCOTT DAMIAN, US  
[72] CHAI, WENYING, US  
[73] HUTCHISON MEDIPHARMA LIMITED, CN  
[85] 2015-01-26  
[86] 2013-07-26 (PCT/CN2013/080195)  
[87] (WO2014/015830)  
[30] CN (PCT/CN2012/079290) 2012-07-27  
[30] CN (PCT/CN2013/072686) 2013-03-15

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[11] **2,880,258**  
[13] C

[51] **Int.Cl. F27D 3/00 (2006.01) C22B 15/00 (2006.01) F27B 1/20 (2006.01)**  
[25] EN  
[54] **METHOD AND ARRANGEMENT FOR FEEDING FINE-GRAINED MATTER TO A CONCENTRATE OR MATTE BURNER OF A SUSPENSION SMELTING FURNACE**  
[54] **PROCEDE ET AGENCEMENT D'INTRODUCTION D'UNE MATIERE A GRAINS FINS DANS UN BRULEUR DE MATIERE OU DE CONCENTRE D'UN FOUR DE FUSION EN SUSPENSION**  
[72] LAHTINEN, MARKKU, FI  
[72] AHOKAINEN, TAPIO, FI  
[72] BJORKLUND, PETER, FI  
[73] OUTOTEC (FINLAND) OY, FI  
[85] 2015-01-26  
[86] 2013-08-19 (PCT/FI2013/050811)  
[87] (WO2014/029913)  
[30] FI (20125863) 2012-08-20

**Brevets canadiens délivrés  
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[11] **2,880,395**  
[13] C

[51] **Int.Cl. C22B 3/44 (2006.01) B03D 1/012 (2006.01) C22B 3/04 (2006.01) C22B 15/00 (2006.01) C22B 30/02 (2006.01) C22B 30/04 (2006.01)**

[25] EN

[54] **PROCESS FOR SEPARATION OF AT LEAST ONE METAL SULFIDE FROM A MIXED SULFIDE ORE OR CONCENTRATE**

[54] **PROCEDE POUR LA SEPARATION D'AU MOINS UN SULFURE METALLIQUE A PARTIR D'UN MINERAI OU D'UN CONCENTRE DE SULFURE MELANGE**

[72] TOMLINSON, MARCUS, CA  
[72] MARTINEZ, TEODORO, MX  
[72] HILLE, SIMON, CA  
[73] GOLDCORP INC., CA  
[86] (2880395)  
[87] (2880395)  
[22] 2015-01-30  
[30] US (61/934193) 2014-01-31

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[11] **2,880,473**  
[13] C

[51] **Int.Cl. F04B 49/06 (2006.01) F04B 45/04 (2006.01)**

[25] EN

[54] **PUMP DEVICE AND CONTROL METHOD THEREFOR**

[54] **DISPOSITIF DE POMPE ET PROCEDE DE COMMANDE DE CE DISPOSITIF**

[72] NONOMURA, YUJI, JP  
[72] SUZUKI, SACHIE, JP  
[72] ITOYAMA, RYUJI, JP  
[72] YAMANAKA, AKIHIRO, JP  
[73] ULVAC KIKO, INC., JP  
[85] 2015-01-29  
[86] 2012-02-16 (PCT/JP2012/001022)  
[87] (WO2013/121462)

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[11] **2,881,744**  
[13] C

[51] **Int.Cl. G05D 1/02 (2006.01) B64C 39/02 (2006.01) B64D 47/00 (2006.01) G08C 19/12 (2006.01) H04N 7/18 (2006.01)**

[25] EN

[54] **UNMANNED VEHICLE (UV) CONTROL SYSTEM AND UV MOVEMENT AND DATA CONTROL SYSTEM**

[54] **SYSTEME DE COMMANDE DE VEHICULE SANS PILOTE ET SYSTEME DE COMMANDE DE MOUVEMENT ET DE DONNEES DE VEHICULE SANS PILOTE**

[72] MULLAN, PRAMILA, US  
[72] NEGM, WALID, US  
[72] LIONGOSARI, EDY S., US  
[72] BARSAMIAN, PAUL, US  
[72] RICHARDS, BRIAN, US  
[72] KIM, SANG-IK, US  
[72] MUI, MICHAEL, US  
[72] FENNEY, ROBERT, US  
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE  
[86] (2881744)  
[87] (2881744)  
[22] 2015-02-13  
[30] US (61/940,251) 2014-02-14  
[30] US (61/943,224) 2014-02-21  
[30] US (14/619,749) 2015-02-11  
[30] US (14/619,854) 2015-02-11

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[11] **2,882,142**  
[13] C

[51] **Int.Cl. B01L 3/00 (2006.01) B01L 9/06 (2006.01)**

[25] EN

[54] **INJECTION MOLDED TRAY FOR BLOOD COLLECTION TUBES**

[54] **PLATEAU SUPPORT MOULE PAR INJECTION POUR TUBES DE PRELEVEMENT SANGUIN**

[72] KARPILOFF, KENNETH, US  
[72] ISKRA, MICHAEL, US  
[72] LUSARDI, GREGORY L., US  
[73] BECTON, DICKINSON AND COMPANY, US  
[85] 2015-02-12  
[86] 2013-07-17 (PCT/US2013/050843)  
[87] (WO2014/028159)  
[30] US (61/683,940) 2012-08-16

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[11] **2,882,308**  
[13] C

[51] **Int.Cl. H04W 72/08 (2009.01) H04W 16/14 (2009.01) H04W 76/02 (2009.01) H04W 92/02 (2009.01) H04W 92/20 (2009.01) H04W 92/24 (2009.01)**

[25] EN

[54] **INTERFERENCE MITIGATION BY COORDINATING BETWEEN BASE STATIONS OF DIFFERENT NETWORKS, EACH OF THE NETWORKS BEING OF A DIFFERENT TYPE**

[54] **ATTENUATION DES INTERFERENCES PAR COORDINATION ENTRE DES STATIONS DE BASE DE DIFFERENTS RESEAUX, CHAQUE RESEAU ETANT D'UN TYPE DIFFERENT**

[72] YACOBI, AVISHAI A., IL  
[72] EVAL, EILON, IL  
[72] FRIEDLANDER, HAIM, IL  
[73] MOTOROLA SOLUTIONS, INC., US  
[85] 2015-02-17  
[86] 2013-08-21 (PCT/US2013/055917)  
[87] (WO2014/035746)  
[30] US (13/601,432) 2012-08-31

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[11] **2,882,904**  
[13] C

[51] **Int.Cl. H04L 12/24 (2006.01) G06Q 10/04 (2012.01) H04L 12/14 (2006.01)**

[25] EN

[54] **SERVICE PROVIDER NETWORK MIGRATION**

[54] **MIGRATION DE RESEAU DE FOURNISSEUR DE SERVICE**

[72] BULTEMA, PAUL J., US  
[72] MORGAN, JOHN A., US  
[72] DADOLY, STEPHEN M., US  
[72] GEWIRTZ, WILLIAM L., US  
[72] CHAN, CHRISTOPHER YEN-CHU, US  
[72] BOLZE, JOHN D., US  
[72] GUAN, LAN, US  
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE  
[85] 2015-02-24  
[86] 2014-10-07 (PCT/US2014/059552)  
[87] (WO2015/054300)  
[30] US (61/888,214) 2013-10-08

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[11] **2,882,906**  
[13] C

[51] **Int.Cl. G06Q 50/02 (2012.01) E02F 9/20 (2006.01)**  
[25] EN  
[54] **MANAGEMENT SYSTEM AND MANAGEMENT METHOD**  
[54] **SYSTEME ET PROCEDE DE GESTION**  
[72] TAKEDA, KOJI, JP  
[73] KOMATSU LTD., JP  
[85] 2014-05-20  
[86] 2013-08-20 (PCT/JP2013/072223)  
[87] (WO2015/025371)

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[11] **2,883,077**  
[13] C

[51] **Int.Cl. A61K 31/485 (2006.01) A61K 9/20 (2006.01) A61K 9/26 (2006.01) A61K 47/10 (2017.01) A61K 47/14 (2017.01) A61K 47/26 (2006.01) A61K 47/38 (2006.01) A61P 25/04 (2006.01)**  
[25] EN  
[54] **HYDROMORPHONE HYDROCHLORIDE-CONTAINING ORAL SUSTAINED-RELEASE PHARMACEUTICAL COMPOSITION**  
[54] **COMPOSITION PHARMACEUTIQUE A LIBERATION PROLONGEE ADMINISTREE PAR VOIE ORALE CONTENANT DU CHLORHYDRATE D'HYDROMORPHONE**  
[72] YADA, SHUICHI, JP  
[72] YANO, HIDEKI, JP  
[72] YOSHIDA, KAZUHIRO, JP  
[72] FUKUI, SACHIKO, JP  
[73] DAIICHI SANKYO COMPANY, LIMITED, JP  
[85] 2015-02-24  
[86] 2013-09-02 (PCT/JP2013/073519)  
[87] (WO2014/034929)  
[30] JP (2012-192783) 2012-09-03

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[11] **2,883,497**  
[13] C

[51] **Int.Cl. F23N 3/08 (2006.01) F23L 5/02 (2006.01) F23L 17/00 (2006.01) F23L 17/02 (2006.01)**  
[25] EN  
[54] **COMBINED COMBUSTION DEVICE**  
[54] **DISPOSITIF DE COMBUSTION COMBINE**  
[72] OKAMOTO, HIDEO, JP  
[73] RINNAI CORPORATION, JP  
[85] 2015-02-27  
[86] 2013-07-22 (PCT/JP2013/069765)  
[87] (WO2015/011754)

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[11] **2,883,687**  
[13] C

[51] **Int.Cl. E21B 33/128 (2006.01) E21B 33/127 (2006.01)**  
[25] EN  
[54] **EXPANDABLE TIE BACK SEAL ASSEMBLY**  
[54] **ENSEMBLE D'ETANCHEITE EXPANSIBLE DE RACCORDEMENT POUR TUBAGE**  
[72] NOFFKE, RICHARD PAUL, US  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2015-02-26  
[86] 2012-08-28 (PCT/US2012/052721)  
[87] (WO2014/035380)

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[11] **2,883,729**  
[13] C

[51] **Int.Cl. C12N 15/53 (2006.01) A01H 1/00 (2006.01) A01H 5/00 (2006.01) C12N 9/02 (2006.01) C12N 15/82 (2006.01) C12P 7/64 (2006.01)**  
[25] EN  
[54] **FATTY ACID DESATURASES FROM FUNGI**  
[54] **DESATURASES D'ACIDES GRAS PROVENANT DES CHAMPIGNONS**  
[72] URSIN, VIRGINIA M., US  
[72] VOELKER, TONI, US  
[72] FROMAN, BYRON, US  
[73] MONSANTO TECHNOLOGY LLC, US  
[86] (2883729)  
[87] (2883729)  
[22] 2003-05-21  
[62] 2,486,559  
[30] US (60/382,391) 2002-05-22  
[30] US (60/453,125) 2003-03-07

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[11] **2,884,527**  
[13] C

[51] **Int.Cl. B64C 3/50 (2006.01) B64C 9/34 (2006.01)**  
[25] EN  
[54] **SLIDABLE DIVERGENT TRAILING EDGE DEVICE**  
[54] **DISPOSITIF DE BORD DE FUITE DIVERGENT COULISSANT**  
[72] JAMISON, FLINT M., US  
[72] AMOROSI, STEPHEN R., US  
[72] KLEIN, MICHAEL K., US  
[73] THE BOEING COMPANY, US  
[86] (2884527)  
[87] (2884527)  
[22] 2015-03-09  
[30] US (14/298,105) 2014-06-06

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[11] **2,885,221**  
[13] C

[51] **Int.Cl. B23C 5/10 (2006.01)**  
[25] EN  
[54] **MACHINING TOOL FOR MACHINING PURPOSES AND METHOD FOR CUTTING A COMPONENT MADE OF FIBRE-REINFORCED PLASTICS**  
[54] **OUTIL D'USINAGE PAR ENLEVEMENT DE COPEAUX POUR L'USINAGE ET PROCEDE DE SEPARATION D'UNE PIECE EN PLASTIQUE RENFORCE PAR DES FIBRES**  
[72] HUFSCHMIED, RALPH, DE  
[73] HUFSCHMIED ZERSPANUNGSSYSTEME GMBH, DE  
[85] 2015-03-17  
[86] 2013-09-27 (PCT/EP2013/002913)  
[87] (WO2014/056583)  
[30] DE (10 2012 019 799.3) 2012-10-10

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[11] **2,885,307**  
[13] C

[51] **Int.Cl. B65G 15/48 (2006.01) C21D 7/04 (2006.01) F27B 21/06 (2006.01)**  
[25] EN  
[54] **METHOD FOR ENHANCING FATIGUE DURABILITY OF A CONVEYOR BELT OF A STRAND SINTERING FURNACE, AND CONVEYOR BELT**  
[54] **PROCEDE POUR AMELIORER UNE LONGEVITE A LA FATIGUE D'UNE COURROIE TRANSPORTEUSE D'UN FOUR DE FRITTAGE EN CONTINU, ET COURROIE TRANSPORTEUSE**

[72] LAIHONEN, PAAVO, FI  
[72] LINDGREN, MARI, FI  
[73] OUTOTEC (FINLAND) OY, FI  
[85] 2015-03-17  
[86] 2013-10-07 (PCT/FI2013/050971)  
[87] (WO2014/057170)  
[30] FI (20126061) 2012-10-09

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[11] **2,886,681**  
[13] C

[51] **Int.Cl. H04N 21/6373 (2011.01) H04N 21/462 (2011.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR SHARING BANDWIDTH ACROSS MULTIPLE VIDEO STREAMS**  
[54] **SYSTEMES ET PROCEDES DE PARTAGE DE LARGEUR DE BANDE DANS DES FLUX VIDEO MULTIPLES**

[72] TUMMALAPENTA, SATYANARAYAN, IN  
[72] BEKIARES, TYRONE D., US  
[72] TINE, STEVEN D., US  
[72] VUKKADAPU, SRIKANTH, IN  
[73] MOTOROLA SOLUTIONS, INC., US  
[85] 2015-03-30  
[86] 2013-10-24 (PCT/US2013/066548)  
[87] (WO2014/066600)  
[30] US (13/662,040) 2012-10-26

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[11] **2,887,754**  
[13] C

[51] **Int.Cl. E04F 19/02 (2006.01) E06B 1/00 (2006.01) E06B 1/62 (2006.01)**  
[25] EN  
[54] **DOOR AND WINDOW FRAME MOLDING SYSTEM**  
[54] **SYSTEME DE MOULURE POUR CADRE DE PORTE ET FENETRE**

[72] SAND, ROAR, NO  
[73] SAND, ROAR, NO  
[86] (2887754)  
[87] (2887754)  
[22] 2015-04-10  
[30] US (14/249,516) 2014-04-10

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[11] **2,888,684**  
[13] C

[51] **Int.Cl. G06F 9/54 (2006.01)**  
[25] EN  
[54] **MULTI-THREADED, LOCKLESS DATA PARALLELIZATION**  
[54] **PARALLELISATION MULTIFIL DE DONNEES NON VERROUILLES**

[72] HUETTER, RAYMOND J., US  
[72] MCINTYRE, CRAIG A., US  
[72] QUOC, MYVAN, US  
[72] CRACKNELL, DAVID I., US  
[72] YAMARTI, ALKA, IN  
[72] GOTWISNER, DAVID I., US  
[73] ARGYLE DATA, INC., US  
[85] 2015-04-17  
[86] 2013-10-18 (PCT/US2013/065707)  
[87] (WO2014/063067)  
[30] US (61/716,174) 2012-10-19

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[11] **2,888,895**  
[13] C

[51] **Int.Cl. A61F 2/34 (2006.01)**  
[25] FR  
[54] **COTYLE COMPRISING A STERILE INTERFACE**  
[54] **COTYLE A INTERFACE STERILE**

[72] GRADEL, THOMAS, FR  
[73] GRADEL, THOMAS, FR  
[86] (2888895)  
[87] (2888895)  
[22] 2008-01-08  
[62] 2,674,624  
[30] FR (07/52558) 2007-01-08

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[11] **2,889,054**  
[13] C

[51] **Int.Cl. A24B 15/20 (2006.01)**  
[25] EN  
[54] **TREATMENT OF TOBACCO MATERIAL**  
[54] **TRAITEMENT DU TABAC**

[72] EDWARDS, STEVEN, GB  
[72] GRIFFITHS, ALEXANDER, GB  
[72] HU, JIN, GB  
[72] GUBITZ, GEORGE, AT  
[72] PAAR, ANDREAS, AT  
[72] POBEHEIM, HERBERT, AT  
[73] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB  
[85] 2015-04-22  
[86] 2013-11-25 (PCT/GB2013/053100)  
[87] (WO2014/080223)  
[30] GB (1221193.4) 2012-11-26

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[11] **2,889,206**  
[13] C

[51] **Int.Cl. B65D 1/32 (2006.01) B65D 1/02 (2006.01)**  
[25] EN  
[54] **DOUBLE CONTAINER**  
[54] **DOUBLE RECIPIENT**

[72] MIYAIRI, KEISUKE, JP  
[72] KUTSUZAWA, SHINTARO, JP  
[72] TANAKA, KEITA, JP  
[73] YOSHINO KOGYOSHO CO., LTD., JP  
[85] 2015-04-22  
[86] 2013-10-15 (PCT/JP2013/006125)  
[87] (WO2014/068876)  
[30] JP (2012-241379) 2012-10-31  
[30] JP (2012-241340) 2012-10-31  
[30] JP (2012-241380) 2012-10-31

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[11] **2,889,215**  
[13] C

[51] **Int.Cl. E21B 43/117 (2006.01) E21B 43/1185 (2006.01)**  
[25] EN  
[54] **BI-DIRECTIONAL SHAPED CHARGES FOR PERFORATING A WELLBORE**  
[54] **CHARGES FACONNEES BIDIRECTIONNELLES POUR PERFORATION D'UN Puits DE FORAGE**  
[72] CLAY, MATTHEW C., US  
[72] GEERTS, SHAUN M., US  
[72] PRATT, DANIEL W., US  
[72] MONTANEZ, THOMAS C., US  
[73] OWEN OIL TOOLS LP, US  
[85] 2015-04-22  
[86] 2013-11-05 (PCT/US2013/068514)  
[87] (WO2014/113126)  
[30] US (61/722,463) 2012-11-05  
[30] US (61/739,316) 2012-12-19

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[11] **2,889,227**  
[13] C

[51] **Int.Cl. E21B 43/26 (2006.01) E21B 43/28 (2006.01)**  
[25] EN  
[54] **METHOD AND DEVICE FOR STIMULATING A TREATMENT ZONE NEAR A WELLBORE AREA OF A SUBTERRANEAN FORMATION**  
[54] **METHODE ET DISPOSITIF DE STIMULATION DE ZONE DE TRAITEMENT A PROXIMITE D'UNE ZONE DE TROU DE FORAGE D'UNE FORMATION SOUTERRAINE**  
[72] PARKER, TODD, CA  
[72] CARROLL, SHAWN, CA  
[72] SKIBINSKI, DAN, CA  
[73] BLUE SPARK ENERGY INC., CA  
[86] (2889227)  
[87] (2889227)  
[22] 2015-04-24  
[30] US (61/985,258) 2014-04-28

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[11] **2,889,633**  
[13] C

[51] **Int.Cl. B65G 13/073 (2006.01)**  
[25] EN  
[54] **FRICTION DRIVE FOR FORCE TRANSMISSION, IN PARTICULAR FOR A TRANSPORT CONVEYING DEVICE**  
[54] **ENTRAINEMENT A FRICTION POUR LA TRANSMISSION DE FORCE, EN PARTICULIER POUR UN DISPOSITIF TRANSPORTEUR**  
[72] KIENER, WALDEMAR, DE  
[72] ABELE, PAUL, DE  
[73] KIENER MASCHINENBAU GMBH, DE  
[85] 2015-04-27  
[86] 2013-11-13 (PCT/EP2013/073708)  
[87] (WO2014/076124)  
[30] DE (20 2012 104 459.5) 2012-11-19  
[30] DE (20 2013 102 994.7) 2013-07-08

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[11] **2,891,234**  
[13] C

[51] **Int.Cl. C07D 217/26 (2006.01) A61K 31/4725 (2006.01) A61P 3/00 (2006.01) A61P 5/26 (2006.01) A61P 5/28 (2006.01) A61P 19/00 (2006.01) A61P 21/00 (2006.01) A61P 25/00 (2006.01) C07C 255/58 (2006.01) C07D 205/04 (2006.01) C07D 207/08 (2006.01) C07D 211/22 (2006.01) C07D 285/10 (2006.01) C07D 401/04 (2006.01) C07D 417/04 (2006.01)**  
[25] EN  
[54] **SELECTIVE ANDROGEN RECEPTOR MODULATORS**  
[54] **MODULATEURS DE RECEPTEUR ANDROGENE SELECTIFS**  
[72] ANDERSON, JAMES THOMAS, US  
[72] CHEKLER, EUGENE LVOVICH PIATNITSKI, US  
[72] ELLSWORTH, EDMUND L., US  
[72] ERICKSON, BRUCE KIPP, US  
[72] GILBERT, ADAM MATTHEW, US  
[72] RICKETTS, ANTHONY P., US  
[72] THOMPSON, DAVID P., US  
[72] UNWALLA, RAYOMAND JAL, US  
[72] VERHOEST, PATRICK ROBERT, US  
[73] PFIZER INC., US  
[85] 2015-05-11  
[86] 2013-11-25 (PCT/IB2013/060381)  
[87] (WO2014/087298)  
[30] US (61/732,617) 2012-12-03

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[11] **2,891,738**  
[13] C

[51] **Int.Cl. B64D 11/06 (2006.01) A47B 5/00 (2006.01) A47C 7/70 (2006.01) B60N 3/00 (2006.01) B61D 37/00 (2006.01)**  
[25] EN  
[54] **STOWABLE PASSENGER SEAT TRAY TABLE**  
[54] **TABLETTE DE SIEGE DE PASSAGER ESCAMOTABLE**  
[72] MOULTON, KRISTOPHER C., US  
[72] CURLEY, NATHANAEL M., US  
[72] SMITH, MICHAEL H., US  
[73] BE AEROSPACE INC., US  
[86] (2891738)  
[87] (2891738)  
[22] 2011-11-18  
[62] 2,817,979  
[30] US (12/956672) 2010-11-30

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[11] **2,893,739**  
[13] C

[51] **Int.Cl. F16J 15/16 (2006.01) F16J 15/3204 (2016.01) F16J 15/34 (2006.01)**  
[25] EN  
[54] **PRELIMINARY SEAL, PRELIMINARY SEAL ARRANGEMENT AND SEALING RING COMPRISING THE PRELIMINARY SEAL**  
[54] **JOINT D'ETANCHEITE PRELIMINAIRE, DISPOSITION DE JOINT D'ETANCHEITE PRELIMINAIRE ET JOINT ANNULAIRE COMPORTANT LE JOINT D'ETANCHEITE PRELIMINAIRE**  
[72] COLINEAU, FRANCOIS, DE  
[72] HINTENLANG, GUNTER, DE  
[72] KLENK, THOMAS, DE  
[72] KONIG, STEFAN, DE  
[73] CARL FREUDENBERG KG, DE  
[86] (2893739)  
[87] (2893739)  
[22] 2015-06-03  
[30] DE (10 2014 010 269.6) 2014-07-11

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[11] **2,893,885**  
[13] C

[51] **Int.Cl. B65D 33/02 (2006.01)**  
[25] EN  
[54] **RIGID OUTER CONTAINER FOR  
RELEASABLY ACCOMODATIING  
A STAND-UP POUCH**  
[54] **CONTENANT A EXTERIEUR  
RIGIDE DESTINE A  
ACCOMMODER DE MANIERE  
AMOVIBLE UNE POCLETTE A  
FOND PLAT**  
[72] HARTLEY, SCOTT HUNTINGTON,  
US  
[73] SONOCO DEVELOPMENT, INC., US  
[86] (2893885)  
[87] (2893885)  
[22] 2015-06-05  
[30] US (14/485,128) 2014-09-12

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[11] **2,894,020**  
[13] C

[51] **Int.Cl. H01J 49/02 (2006.01) H01J  
49/42 (2006.01)**  
[25] EN  
[54] **FIXED CONNECTION ASSEMBLY  
FOR AN RF DRIVE CIRCUIT IN A  
MASS SPECTROMETER**  
[54] **CONNEXION FIXE POUR  
CIRCUIT DE COMMANDE RF  
DANS UN SPECTROMETRE DE  
MASSE**  
[72] STEINER, URS, US  
[72] JONES, LAWRENCE B., US  
[73] BRUKER DALTONICS, INC., US  
[86] (2894020)  
[87] (2894020)  
[22] 2012-07-10  
[62] 2,782,981  
[30] US (13/184,225) 2011-07-15

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[11] **2,896,665**  
[13] C

[51] **Int.Cl. H01M 8/04111 (2016.01)  
H01M 8/0438 (2016.01) H01M  
8/04746 (2016.01) H01M 8/2457  
(2016.01)**  
[25] EN  
[54] **A FUEL CELL SYSTEM  
EMPLOYING CATHODE BYPASS  
CONTROL**  
[54] **UN SYSTEME DE PILE A  
COMBUSTIBLE EMPLOYANT  
UNE COMMANDE DE  
CANTOURNEMENT DE  
CATHODE**  
[72] ASAI, YOSHITOMO, JP  
[72] TAKEDA, HIROSHI, JP  
[73] NISSAN MOTOR CO., LTD., JP  
[85] 2015-06-26  
[86] 2013-11-13 (PCT/JP2013/080704)  
[87] (WO2014/103547)  
[30] JP (2012-287934) 2012-12-28

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[11] **2,897,856**  
[13] C

[51] **Int.Cl. G01R 35/04 (2006.01) G01R  
15/18 (2006.01)**  
[25] EN  
[54] **SENSOR DEVICES AND  
METHODS FOR USE IN SENSING  
CURRENT THROUGH A  
CONDUCTOR**  
[54] **DISPOSITIFS DE DETECTION ET  
METHODES D'UTILISATION  
VISANT LA DETECTION DE  
COURANT DANS UN  
CONDUCTEUR**  
[72] CHAMARTI, SUBRAMANYAM  
SATYASURYA, US  
[72] BIETZ, STEVEN LEE, US  
[73] ACLARA METERS LLC, US  
[86] (2897856)  
[87] (2897856)  
[22] 2015-07-16  
[30] US (14/447,053) 2014-07-30

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[11] **2,898,938**  
[13] C

[51] **Int.Cl. D06F 37/00 (2006.01)**  
[25] EN  
[54] **LAUNDRY TREATMENT  
APPARATUS WITH SUSPENSION  
ASSEMBLY HAVING ELASTIC  
MEMBER ON OUTER  
CIRCUMFERENTIAL SURFACE  
OF SUPPORT MEMBER**  
[54] **APPAREIL DE TRAITEMENT DE  
LA LESSIVE DOTE D'UN  
MECANISME DE SUSPENSION  
COMPORTANT UN ELEMENT  
ELASTIQUE SUR LA SURFACE  
PERIPHERIQUE DE L'ELEMENT  
DE SUPPORT**  
[72] WON, WOONGHUI, KR  
[72] SEO, JINWOO, KR  
[72] KIM, WOOSEONG, KR  
[73] LG ELECTRONICS INC., KR  
[86] (2898938)  
[87] (2898938)  
[22] 2015-07-30  
[30] KR (10-2014-0098830) 2014-08-01

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[11] **2,899,131**  
[13] C

[51] **Int.Cl. B01J 32/00 (2006.01) B01J  
35/10 (2006.01) B01J 37/06 (2006.01)  
B01J 37/08 (2006.01) H01M 4/96  
(2006.01)**  
[25] EN  
[54] **CARBON MATERIAL FOR  
CATALYST SUPPORT USE**  
[54] **MATIERE DE CARBONE EN VUE  
D'UNE UTILISATION COMME  
SUPPORT DE CATALYSEUR**  
[72] MIZUUCHI, KAZUHIKO, JP  
[72] KOUNO, TAKUMI, JP  
[72] KATAYAMA, MASAKAZU, JP  
[72] HIGUCHI, MASAKAZU, JP  
[72] NISHI, NOBUYUKI, JP  
[72] IIJIMA, TAKASHI, JP  
[72] HIYOSHI, MASATAKA, JP  
[72] MATSUMOTO, KATSUMASA, JP  
[73] NIPPON STEEL & SUMIKIN  
CHEMICAL CO., LTD., JP  
[73] NIPPON STEEL & SUMITOMO  
METAL CORPORATION, JP  
[85] 2015-07-23  
[86] 2014-02-21 (PCT/JP2014/054228)  
[87] (WO2014/129597)  
[30] JP (2013-032456) 2013-02-21

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[11] **2,899,296**  
[13] C

[51] **Int.Cl. G10L 19/06 (2013.01) G10L 19/005 (2013.01)**  
[25] EN  
[54] **ENCODER AND METHOD FOR PREDICTIVELY ENCODING, DECODER AND METHOD FOR DECODING, SYSTEM AND METHOD FOR PREDICTIVELY ENCODING AND DECODING AND PREDICTIVELY ENCODED INFORMATION SIGNAL**  
[54] **CODEUR ET PROCEDE DE CODAGE PREDICTIF, DECODEUR ET PROCEDE DE DECODAGE, SYSTEME ET PROCEDE DE CODAGE PREDICTIF ET DE DECODAGE ET SIGNAL D'INFORMATIONS CODE PAR CODAGE PREDICTIF**  
[72] LUTZKY, MANFRED, DE  
[72] SCHULLER, GERALD, DE  
[72] SCHNABEL, MICHAEL, DE  
[72] WERNER, MICHAEL, DE  
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE  
[73] TECHNISCHE UNIVERSITAT ILMENAU, DE  
[86] (2899296)  
[87] (2899296)  
[22] 2011-12-14  
[62] 2,821,603  
[30] EP (10195000.4) 2010-12-14

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[11] **2,900,152**  
[13] C

[51] **Int.Cl. E21B 17/042 (2006.01)**  
[25] EN  
[54] **TUBULAR CONNECTION CENTER SHOULDER SEAL**  
[54] **JOINT D'ETANCHEITE D'EPAULEMENT DE CENTRE DE RACCORD TUBULAIRE**  
[72] JUAREZ, ALEJANDRO, US  
[73] ULTRA PREMIUM OILFIELD SERVICES, LTD., US  
[85] 2015-08-04  
[86] 2014-01-28 (PCT/US2014/013311)  
[87] (WO2014/123718)  
[30] US (61/760,833) 2013-02-05  
[30] US (13/827,195) 2013-03-14

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[11] **2,900,261**  
[13] C

[51] **Int.Cl. C01F 7/02 (2006.01) C01F 7/44 (2006.01)**  
[25] EN  
[54] **POROUS ALUMINUM OXIDE POWDERS WITH A HONEYCOMB STRUCTURE**  
[54] **POUDRES D'OXYDE D'ALUMINIUM POREUX DOTEES D'UNE STRUCTURE ALVEOLAIRE**  
[72] SENYUTA, ALEKSANDR SERGEEVICH, RU  
[72] PANOV, ANDREY VLADIMIROVICH, RU  
[72] SMIRNOV, ANDREY ANDREEVICH, RU  
[73] OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR", RU  
[85] 2015-08-04  
[86] 2013-02-04 (PCT/RU2013/000078)  
[87] (WO2014/120037)

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[11] **2,901,638**  
[13] C

[51] **Int.Cl. E04H 17/10 (2006.01) E01F 9/669 (2016.01) A01G 17/04 (2006.01) A01K 3/00 (2006.01) E04H 17/24 (2006.01) H01B 17/16 (2006.01)**  
[25] EN  
[54] **A POST MOUNTING SYSTEM AND APPARATUS**  
[54] **SYSTEME ET APPAREIL DE MONTAGE SUR POTEAU**  
[72] JOHNS, GRAHAM, NZ  
[72] WADE, ROBERT, NZ  
[72] FABIEN, ROBERT, AU  
[72] O'TOOLE, LAWRENCE, AU  
[73] ONESTEEL WIRE PTY LIMITED, AU  
[73] GALLAGHER GROUP LIMITED, NZ  
[85] 2015-08-18  
[86] 2014-02-24 (PCT/AU2014/000169)  
[87] (WO2014/131077)  
[30] AU (2013900652) 2013-02-26  
[30] AU (2013203633) 2013-04-11

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[11] **2,901,998**  
[13] C

[51] **Int.Cl. C10L 5/00 (2006.01)**  
[25] EN  
[54] **METHOD FOR PRODUCING ASHLESS COAL**  
[54] **PROCEDE DE PRODUCTION DE CHARBON SANS CENDRE**  
[72] KINOSHITA, SHIGERU, JP  
[72] OKUYAMA, NORIYUKI, JP  
[72] YOSHIDA, TAKUYA, JP  
[72] SAKAI, KOJI, JP  
[73] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP  
[85] 2015-08-20  
[86] 2014-03-17 (PCT/JP2014/057203)  
[87] (WO2014/156789)  
[30] JP (2013-069124) 2013-03-28

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[11] **2,902,188**  
[13] C

[51] **Int.Cl. B60K 13/04 (2006.01) B60P 1/04 (2006.01)**  
[25] EN  
[54] **DUMP TRUCK**  
[54] **CAMION A BENNE**  
[72] ASHIKAWA, HIROKAZU, JP  
[72] TASHIRO, TAKAYUKI, JP  
[73] KOMATSU LTD., JP  
[85] 2015-06-25  
[86] 2014-12-01 (PCT/JP2014/081752)  
[87] (WO2015/129121)



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[51] **Int.Cl. D02G 3/04 (2006.01) D03D 1/00 (2006.01) D03D 15/00 (2006.01) D04B 1/14 (2006.01) D04B 21/00 (2006.01) D04C 1/02 (2006.01) D06M 13/513 (2006.01) D06M 15/55 (2006.01) D06M 15/564 (2006.01) D06M 15/59 (2006.01)**

[25] EN

[54] **COMMINGLED YARN, METHOD FOR MANUFACTURING THE COMMINGLED YARN, AND, WOVEN FABRIC**

[54] **FIBRE AMALGAMÉE, METHODE DE FABRICATION DE LA FIBRE AMALGAMÉE ET TISSU TISSE**

[72] NAKAI, ASAMI, JP  
[72] OOTANI, AKIO, JP  
[72] KAJI, MASATAKA, JP  
[72] TAKAGI, MITSURO, JP  
[72] MATSUMOTO, NOBUHIKO, JP  
[72] MITADERA, JUN, JP  
[73] MITSUBISHI GAS CHEMICAL COMPANY, INC., JP

[85] 2015-09-08  
[86] 2014-10-10 (PCT/JP2014/077148)  
[87] (WO2015/056642)  
[30] JP (2013-217035) 2013-10-18  
[30] JP (2014-189685) 2014-09-18

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[13] C

[51] **Int.Cl. C07C 323/36 (2006.01) C07C 211/46 (2006.01) C07C 317/36 (2006.01) A01N 33/06 (2006.01) A01P 7/04 (2006.01)**

[25] EN

[54] **AGRICULTURAL/HORTICULTURAL INSECTICIDE AND METHOD FOR USING THE SAME**

[54] **INSECTICIDE S'UTILISANT EN AGRICULTURE OU EN HORTICULTURE ET PROCEDE D'UTILISATION CORRESPONDANT**

[72] YOSHIDA, KEI, JP  
[72] WAKITA, TAKEO, JP  
[72] KATSUTA, HIROYUKI, JP  
[72] KAI, AKIYOSHI, JP  
[72] CHIBA, YUTAKA, JP  
[72] TAKAHASHI, KIYOSHI, JP  
[72] KATO, HIROKO, JP  
[72] KAWAHARA, NOBUYUKI, JP  
[72] NOMURA, MICHIKAZU, JP  
[72] DAIDO, HIDENORI, JP  
[72] MAKI, JUNJI, JP  
[72] BANBA, SHINICHI, JP  
[72] KAWAHARA, ATSUKO, JP  
[73] MITSUI CHEMICALS, INC., JP

[86] (2904555)  
[87] (2904555)  
[22] 2004-08-23  
[62] 2,772,017  
[30] JP (2003-305816) 2003-08-29

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[11] **2,906,516**  
[13] C

[51] **Int.Cl. C40B 40/06 (2006.01) C07H 21/04 (2006.01) C07K 14/00 (2006.01) C07K 14/315 (2006.01) C12N 15/10 (2006.01) C12N 15/63 (2006.01) C12P 19/34 (2006.01) C12Q 1/68 (2006.01) C40B 30/04 (2006.01) C40B 50/06 (2006.01)**

[25] EN

[54] **NUCLEIC ACIDS AND METHODS FOR THE DETECTION OF STREPTOCOCCUS**

[54] **ACIDES NUCLEIQUES ET METHODES DE DETECTION DE STREPTOCOQUE**

[72] BERGERON, MICHEL G., CA  
[72] BOISSINOT, MAURICE, CA  
[72] HULETSKY, ANN, CA  
[72] MENARD, CHRISTIAN, CA  
[72] OUELLETTE, MARC, CA  
[72] PICARD, FRANCOIS J., CA  
[72] ROY, PAUL H., CA  
[73] GENEHM SCIENCES CANADA INC., CA

[86] (2906516)  
[87] (2906516)  
[22] 2000-09-28  
[62] 2,811,455  
[30] CA (2,283,458) 1999-09-28  
[30] CA (2,307,010) 2000-05-19

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[11] **2,906,701**  
[13] C

[51] **Int.Cl. E21B 33/12 (2006.01) E21B 17/10 (2006.01)**

[25] EN

[54] **CABLE BY-PASS FOR SPOOLED CABLES**

[54] **ELEMENT DE CHANGEMENT DE DIRECTION DE CABLE POUR DES CABLES BOBINES**

[72] LEMBCKE, JEFFREY J., US  
[73] WEATHERFORD/LAMB, INC., US

[85] 2015-09-14  
[86] 2014-03-14 (PCT/US2014/028249)  
[87] (WO2014/152922)  
[30] US (61/783,347) 2013-03-14

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[13] C

[51] **Int.Cl. A01N 25/34 (2006.01) A01P 1/00 (2006.01) A45D 33/38 (2006.01) A45D 34/00 (2006.01) A47K 10/16 (2006.01) D21H 21/36 (2006.01) D21H 27/00 (2006.01)**

[25] EN

[54] **ANTI-MICROBIAL HAND TOWEL WITH TIME-DELAY CHROMATIC TRANSFER INDICATOR AND ABSORBENCY RATE DELAY**

[54] **ESSUIE-MAIN ANTIMICROBIEN A INDICATEUR DE TRANSFERT CHROMATIQUE A RETARDEMENT DE TAUX D'ABSORPTION**

[72] LUU, PHUONG VAN, US  
[72] AWOFESO, ANTHONY O., US  
[72] YARDLEY, CRAIG D., US  
[72] YEH, KANG CHANG, US  
[72] JANDA, BRUCE W., US  
[73] GEORGIA-PACIFIC CONSUMER PRODUCTS LP, US

[86] (2906723)  
[87] (2906723)  
[22] 2007-03-27  
[62] 2,853,954  
[30] US (60/786,819) 2006-03-28  
[30] US (11/728,407) 2007-03-26

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[11] **2,907,838**  
[13] C

[51] **Int.Cl. B02C 4/30 (2006.01)**

[25] EN

[54] **APPARATUS FOR COMMINUTING ABRASIVE MATERIALS**

[54] **DISPOSITIF DE BROYAGE DE MATERIAUX ABRASIFS**

[72] DREPPER, MICHAEL, DE  
[73] THYSSENKRUPP INDUSTRIAL SOLUTIONS AG, DE

[85] 2015-09-22  
[86] 2014-04-22 (PCT/EP2014/058102)  
[87] (WO2014/173877)  
[30] DE (10 2013 104 098.5) 2013-04-23

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[11] **2,908,213**  
[13] C

[51] **Int.Cl. H05K 7/14 (2006.01) H04B 1/3888 (2015.01) G06F 1/16 (2006.01) H05K 5/02 (2006.01) H04W 88/02 (2009.01)**

[25] EN

[54] **PORTABLE ELECTRONIC DEVICE CASE ACCESSORIES AND RELATED SYSTEMS AND METHODS**

[54] **ACCESSOIRES DE BOITIER POUR DISPOSITIF ELECTRONIQUE PORTABLE ET SYSTEMES ET PROCEDES ASSOCIES**

[72] GALLAGHER, KEVIN, US  
[72] SHORTT, ROBERT, US  
[72] BALLOU, DANIEL, US  
[72] DECAMP, RONALD, US  
[72] THONI, MARK, US  
[73] TARGUS INTERNATIONAL LLC, US

[86] (2908213)  
[87] (2908213)  
[22] 2011-06-06  
[62] 2,785,813  
[30] US (61/352,286) 2010-06-07  
[30] US (61/368,047) 2010-07-27  
[30] US (61/421,431) 2010-12-09

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[11] **2,909,025**  
[13] C

[51] **Int.Cl. B66F 9/065 (2006.01) B62B 3/06 (2006.01) B66F 9/12 (2006.01) B66F 9/24 (2006.01)**

[25] EN

[54] **PALLET TRUCK WITH LIFT INDICATOR ASSEMBLY AND ASSOCIATED METHODS**

[54] **TRANSPALETTE A ENSEMBLE INDICATEUR DE LEVAGE ET PROCEDES ASSOCIES**

[72] LANTZ, DAN, US  
[72] ERTEL, JASON, US  
[72] LUNDQUIST, CHRISTOPHER, US  
[73] CHEP TECHNOLOGY PTY LIMITED, AU

[86] (2909025)  
[87] (2909025)  
[22] 2012-05-11  
[62] 2,832,346  
[30] US (61/485,946) 2011-05-13

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[11] **2,910,333**  
[13] C

[51] **Int.Cl. A61K 31/496 (2006.01) A61K 9/00 (2006.01) A61K 9/19 (2006.01)**

[25] EN

[54] **MEDICAL DEVICE CONTAINING A CAKE COMPOSITION COMPRISING ARIPIRAZOLE AS AN ACTIVE INGREDIENT, AND A CAKE COMPOSITION COMPRISING ARIPIRAZOLE AS AN ACTIVE INGREDIENT**

[54] **DISPOSITIF MEDICAL CONTENANT UNE COMPOSITION DE GATEAU COMPRENANT DE L'ARIPIRAZOLE COMME INGREDIENT ACTIF, ET COMPOSITION DE GATEAU COMPRENANT DE L'ARIPIRAZOLE COMME INGREDIENT ACTIF**

[72] HIRAOKA, SHOGO, JP  
[72] TANIGUCHI, KIYOSHI, JP  
[73] OTSUKA PHARMACEUTICAL CO., LTD., JP

[86] (2910333)  
[87] (2910333)  
[22] 2012-01-17  
[62] 2,824,982  
[30] JP (2011-011711) 2011-01-24

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[11] **2,913,056**  
[13] C

[51] **Int.Cl. B26D 1/12 (2006.01)**

[25] EN

[54] **DICING MACHINES AND METHODS OF USE**

[54] **MACHINE DE DECOUPAGE ET PROCEDES D'UTILISATION**

[72] KLOCKOW, SCOTT ALAN, US  
[73] URSCHEL LABORATORIES, INC., US

[85] 2015-11-19  
[86] 2014-05-23 (PCT/US2014/039372)  
[87] (WO2014/190277)  
[30] US (61/826,585) 2013-05-23  
[30] US (14/285,075) 2014-05-22

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[11] **2,914,046**  
[13] C

- [51] **Int.Cl. H04L 29/08 (2006.01) H04L 12/813 (2013.01) H04L 29/06 (2006.01)**  
[25] EN  
[54] **CONTROLLING NETWORK ACCESS BASED ON APPLICATION DETECTION**  
[54] **CONTROLE DE L'ACCES A UN RESEAU BASE SUR LA DETECTION D'UNE APPLICATION**  
[72] MARTINI, PAUL MICHAEL, US  
[73] IBOSS, INC., US  
[85] 2015-11-30  
[86] 2014-05-12 (PCT/US2014/037737)  
[87] (WO2014/193640)  
[30] US (13/906,238) 2013-05-30

[11] **2,914,103**  
[13] C

- [51] **Int.Cl. E21B 17/10 (2006.01) E21B 4/02 (2006.01)**  
[25] EN  
[54] **MUD MOTOR WITH INTEGRATED ABRASION-RESISTANT STRUCTURE**  
[54] **MOTEUR A BOUE A STRUCTURE INTEGREE RESISTANTE A L'ABRASION**  
[72] LOGAN, AARON W., CA  
[72] KALMAN, KEVIN, CA  
[72] BERUBE, VINCENT GILLE, CA  
[72] AHMOYE, DANIEL W., CA  
[73] EVOLUTION ENGINEERING INC., CA  
[85] 2015-12-01  
[86] 2014-06-03 (PCT/CA2014/050512)  
[87] (WO2014/194420)  
[30] US (61/830,524) 2013-06-03

[11] **2,914,186**  
[13] C

- [51] **Int.Cl. H04L 29/08 (2006.01) H04L 12/813 (2013.01)**  
[25] EN  
[54] **CONTROLLING NETWORK ACCESS BASED ON APPLICATION DETECTION**  
[54] **REGULATION D'ACCES A UN RESEAU SUR LA BASE D'UNE DETECTION D'APPLICATION**  
[72] MARTINI, PAUL MICHAEL, US  
[73] IBOSS, INC., US  
[85] 2015-11-30  
[86] 2014-05-29 (PCT/US2014/040074)  
[87] (WO2014/194125)  
[30] US (13/906,252) 2013-05-30

[11] **2,915,637**  
[13] C

- [51] **Int.Cl. E01B 9/44 (2006.01) E01B 9/40 (2006.01)**  
[25] EN  
[54] **BASE PLATE AND RAIL FASTENING POINT**  
[54] **PLAQUE DE BASE ET POINT DE FIXATION DE RAIL**  
[72] KRIEG, NIKOLAJ, DE  
[72] JONCA, MICHAEL, DE  
[73] VOSSLOH-WERKE GMBH, DE  
[85] 2015-12-15  
[86] 2014-07-10 (PCT/EP2014/064846)  
[87] (WO2015/004252)  
[30] DE (10 2013 107 320.4) 2013-07-10

[11] **2,917,970**  
[13] C

- [51] **Int.Cl. G06F 3/01 (2006.01) G06F 17/00 (2006.01)**  
[25] EN  
[54] **CALIBRATION OF GRAB DETECTION**  
[54] **ETALONNAGE DE DETECTION DE PINCEE**  
[72] HUGHES, CHARLES J., US  
[72] MAGUIRE, YAEL G., US  
[72] SHIRINFAR, SHAFIGH, US  
[72] TOKSVIG, MICHAEL JOHN MCKENZIE, US  
[73] FACEBOOK, INC., US  
[85] 2016-01-08  
[86] 2014-07-10 (PCT/US2014/046072)  
[87] (WO2015/006523)  
[30] US (13/941,289) 2013-07-12

[11] **2,919,084**  
[13] C

- [51] **Int.Cl. B60G 11/24 (2006.01) B60G 5/02 (2006.01) B60G 7/04 (2006.01) B60G 11/42 (2006.01) F16F 1/371 (2006.01) F16F 1/40 (2006.01) F16F 1/44 (2006.01) F16F 1/50 (2006.01)**  
[25] EN  
[54] **SHEAR SPRING USEFUL FOR VEHICLE SUSPENSION**  
[54] **RESSORT DE CISAILLEMENT UTILE POUR UNE SUSPENSION DE VEHICULE**  
[72] NOBLE, SHAWN D., US  
[72] VAN METER, MATTHEW J., US  
[72] MCDIARMID, MONICA K., US  
[72] KERENDIAN, HORMOZ, US  
[72] DUDDING, ASHLEY T., US  
[73] HENDRICKSON USA, L.L.C., US  
[85] 2016-01-22  
[86] 2014-05-01 (PCT/US2014/036366)  
[87] (WO2015/012930)  
[30] US (13/950,873) 2013-07-25

[11] **2,919,099**  
[13] C

- [51] **Int.Cl. B23C 5/04 (2006.01) B23C 5/10 (2006.01)**  
[25] EN  
[54] **ROTARY CUTTING TOOL**  
[54] **OUTIL DE COUPE ROTATIF**  
[72] STOJANOVSKI, STOJAN, US  
[73] STOJANOVSKI, STOJAN, US  
[86] (2919099)  
[87] (2919099)  
[22] 2013-11-14  
[62] 2,832,781  
[30] US (61/727,446) 2012-11-16

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[13] C

[51] **Int.Cl. F17D 1/16 (2006.01) B01F 17/00 (2006.01) C07C 29/151 (2006.01) F17D 1/17 (2006.01)**  
[25] EN  
[54] **METHOD FOR IMPROVING THE TRANSPORTABILITY OF HEAVY CRUDE OIL**  
[54] **PROCEDE D'AMELIORATION DE L'APTITUDE A L'ECOULEMENT DE PETROLE BRUT LOURD**  
[72] WAGNER, ULRICH, DE  
[72] UNGER, TIM, US  
[72] CHARPENTIER, SCOTT, US  
[72] BALTHASAR, WOLFF, DE  
[73] WAGNER, ULRICH, DE  
[73] BALTHASAR, WOLFF, DE  
[85] 2016-01-26  
[86] 2012-09-04 (PCT/DE2012/100262)  
[87] (WO2014/036982)

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[11] **2,921,616**  
[13] C

[51] **Int.Cl. G06F 17/30 (2006.01)**  
[25] EN  
[54] **DATA STORAGE METHOD AND APPARATUS**  
[54] **METHODE DE STOCKAGE DE DONNEES ET APPAREIL**  
[72] BI, JIESHAN, CN  
[72] ZHI, WEI, CN  
[73] HUA WEI TECHNOLOGIES CO., LTD., CN  
[85] 2016-02-17  
[86] 2013-08-29 (PCT/CN2013/082544)  
[87] (WO2015/027425)

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[11] **2,922,159**  
[13] C

[51] **Int.Cl. E21B 43/24 (2006.01)**  
[25] EN  
[54] **HYDROCARBON RESOURCE PROCESSING APPARATUS FOR GENERATING A TURBULENT FLOW OF COOLING LIQUID AND RELATED METHODS**  
[54] **APPAREIL DE TRAITEMENT D'UNE RESSOURCE D'HYDROCARBURES PERMETTANT DE GENERER UN ECOULEMENT TURBULENT D'UN LIQUIDE DE REFROIDISSEMENT, ET PROCEDES ASSOCIES**  
[72] HANN, MURRAY, US  
[72] TRAUTMAN, MARK ALAN, US  
[72] WHITE, JOHN E., US  
[72] WRIGHT, BRIAN N., US  
[73] HARRIS CORPORATION, US  
[85] 2016-02-23  
[86] 2014-07-31 (PCT/US2014/049111)  
[87] (WO2015/034604)  
[30] US (14/021,119) 2013-09-09

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[11] **2,925,144**  
[13] C

[51] **Int.Cl. B60H 1/00 (2006.01) B60R 7/00 (2006.01)**  
[25] EN  
[54] **HEATING/COOLING STORAGE CONTAINERS FOR AUTOMOBILE USE**  
[54] **CONTENANTS DE STOCKAGE CHAUFFANTS/REFROIDISSANTS DESTINES A UNE UTILISATION DANS UNE AUTOMOBILE**  
[72] WANG, CHENG-SHUNG, US  
[73] WANG, CHENG-SHUNG, TW  
[86] (2925144)  
[87] (2925144)  
[22] 2016-03-24  
[30] TW (104204905) 2015-04-01

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[11] **2,925,702**  
[13] C

[51] **Int.Cl. H01H 73/18 (2006.01)**  
[25] EN  
[54] **CONTROLLED SWITCHING DEVICES AND METHOD OF USING THE SAME**  
[54] **DISPOSITIFS DE COMMUTATION COMMANDES ET LEUR PROCEDE D'UTILISATION**  
[72] TAILLEFER, PIERRE, CA  
[72] SLEIGH, ERIC, CA  
[73] VIZIMAX INC., CA  
[73] SLEIGH, ERIC, CA  
[85] 2016-03-29  
[86] 2014-12-08 (PCT/IB2014/066710)  
[87] (WO2015/083145)  
[30] US (61/913,351) 2013-12-08  
[30] US (61/913,362) 2013-12-08

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[11] **2,926,794**  
[13] C

[51] **Int.Cl. F21V 17/00 (2006.01) F21K 99/00 (2016.01) F21V 31/00 (2006.01)**  
[25] EN  
[54] **LIGHTING DEVICE**  
[54] **DISPOSITIF D'ECLAIRAGE**  
[72] EVITT, JONATHAN, GB  
[73] THE WAND LITE COMPANY LIMITED, GB  
[85] 2016-04-07  
[86] 2013-11-04 (PCT/GB2013/052876)  
[87] (WO2014/068335)  
[30] GB (1219792.7) 2012-11-02  
[30] GB (1223391.2) 2012-12-24

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[11] **2,926,861**  
[13] C

[51] **Int.Cl. H04N 21/81 (2011.01) H04W 4/00 (2009.01) H04N 21/235 (2011.01) G02B 27/01 (2006.01) G06F 19/00 (2011.01) A63F 13/80 (2014.01) G06F 17/50 (2006.01)**

[25] EN

[54] **FIDUCIAL MARKER PATTERNS, THEIR AUTOMATIC DETECTION IN IMAGES, AND APPLICATIONS THEREOF**

[54] **MOTIFS DE REPERE DE CADRE, LEUR DETECTION AUTOMATIQUE DANS DES IMAGES ET LEURS APPLICATIONS**

[72] FIALA, MARK, CA

[73] MILLENNIUM THREE TECHNOLOGIES INC, CA

[85] 2016-04-08

[86] 2015-05-21 (PCT/CA2015/000329)

[87] (WO2015/176163)

[30] US (62/001,071) 2014-05-21

[30] US (62/043,412) 2014-08-29

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[11] **2,927,147**  
[13] C

[51] **Int.Cl. B02C 4/30 (2006.01)**

[25] EN

[54] **CRUSHING ROLL FOR A CRUSHER**

[54] **ROULEAU DE BROYAGE DE BROYEUR**

[72] PETACK, BURKHARD, DE

[72] SCHMIDT, MARKO, DE

[72] EBENHAN, KARSTEN, DE

[72] NEUFELDT, PATRICK, DE

[73] TAKRAF GMBH, DE

[86] (2927147)

[87] (2927147)

[22] 2016-04-14

[30] DE (10 2015 206 957.5) 2015-04-17

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[11] **2,928,372**  
[13] C

[51] **Int.Cl. H01B 11/10 (2006.01)**

[25] EN

[54] **IMPROVED HIGH PERFORMANCE DATA COMMUNICATIONS CABLE**

[54] **CABLE AMELIORE A HAUTES PERFORMANCES POUR COMMUNICATIONS DE DONNEES**

[72] WEHRLI, ANDREW JOHN, US

[72] CLARK, WILLIAM THOMAS, US

[72] GAREIS, GALEN MARK, US

[72] BRENNEKE, DOUGLAS DAVID, US

[73] BELDEN INC., US

[85] 2016-04-21

[86] 2014-10-21 (PCT/US2014/061618)

[87] (WO2015/061346)

[30] US (61/894,728) 2013-10-23

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[11] **2,929,812**  
[13] C

[51] **Int.Cl. A47J 27/00 (2006.01) A47J 37/07 (2006.01) A47J 39/00 (2006.01)**

[25] EN

[54] **PORTABLE COMBINATION COOKING, GRILLING, COOLING, WARMING AND STORAGE UNIT**

[54] **INSTALLATION PORTABLE COMBINEE DESTINEE A CUIRE, GRILLER, REFROIDIR, RECHAUFFER ET ENTREPOSER**

[72] THORNDYKE, ROBERT JOHN, CA

[73] THORNDYKE, ROBERT JOHN, CA

[86] (2929812)

[87] (2929812)

[22] 2016-05-13

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[11] **2,930,465**  
[13] C

[51] **Int.Cl. A63F 7/36 (2006.01) A63B 67/04 (2006.01) A63D 15/00 (2006.01) A63D 15/04 (2006.01)**

[25] EN

[54] **GAMES TABLES AND CORNER ASSEMBLIES FOR SAME**

[54] **TABLES DE JEU ET DISPOSITIFS DE COIN ASSOCIES**

[72] FUNG, MAK SIU, CN

[72] SHING, LEUNG CHEONG, CN

[72] FISCELLA, ANTHONY, CN

[72] PAVEY, MARK, CN

[73] MERCHANT AMBASSADOR (HOLDINGS) LTD., CN

[86] (2930465)

[87] (2930465)

[22] 2016-05-19

[30] US (62/281,950) 2016-01-22

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[11] **2,931,342**  
[13] C

[51] **Int.Cl. F15B 15/20 (2006.01) F15B 15/08 (2006.01)**

[25] EN

[54] **PNEUMATIC ACTUATORS**

[54] **ACTIONNEURS PNEUMATIQUES**

[72] VAN BUSKIRK, LOYD, US

[72] MELDAHL, BRIAN, US

[72] VAN BUSKIRK, DYLAN, US

[73] L & B MANUFACTURING, INC., US

[85] 2016-05-20

[86] 2014-12-18 (PCT/US2014/071080)

[87] (WO2015/077799)

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[11] **2,932,053**  
[13] C

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

[25] EN

[54] **GENERATING RECOMMENDED SEARCH QUERIES ON ONLINE SOCIAL NETWORKS**

[54] **GENERATION D'INTERROGATIONS DE RECHERCHE RECOMMANDEES SUR DES RESEAUX SOCIAUX EN LIGNE**

[72] GARG, AVICHAL, US

[72] HUA, MING, US

[72] VERNAL, MICHAEL, US

[72] QIN, YANG, US

[72] FECHETE, DAN IONUT, US

[72] XIAO, XINPAN, US

[72] HUANG, YU, US

[72] CHEN, LU D., US

[72] CHAKRADEO, SAURABH PRAFULLA, US

[72] BHATT, DHARMESH A., US

[72] HIMEL, ALEX, US

[73] FACEBOOK, INC., US

[85] 2016-05-27

[86] 2014-04-23 (PCT/US2014/035135)

[87] (WO2015/094397)

[30] US (61/918,431) 2013-12-19

[30] US (14/258,821) 2014-04-22

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[13] C

[51] **Int.Cl. H04L 12/721 (2013.01) H04L 9/32 (2006.01) H04L 12/28 (2006.01)**  
[25] EN  
[54] **SMART ROUTING SYSTEM, METHOD AND MANAGER**  
[54] **SYSTEME DE ROUTAGE INTELLIGENT, METHODE ET GESTIONNAIRE**  
[72] LEEKLEY, GREGORY H., US  
[72] SAVENOK, ALEXANDER, US  
[72] SAVENOK, PAVEL, US  
[73] LEEKLEY, GREGORY H., US  
[73] SAVENOK, ALEXANDER, US  
[73] SAVENOK, PAVEL, US  
[85] 2016-06-06  
[86] 2014-12-08 (PCT/US2014/069067)  
[87] (WO2015/085296)  
[30] US (14/099,348) 2013-12-06

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[11] **2,934,941**  
[13] C

[51] **Int.Cl. H04N 19/82 (2014.01) H04N 19/117 (2014.01) H04N 19/137 (2014.01) H04N 19/176 (2014.01) H04N 19/189 (2014.01)**  
[25] EN  
[54] **VIDEO ENCODING DEVICE AND VIDEO ENCODING METHOD**  
[54] **DISPOSITIF DE CODAGE VIDEO ET METHODE DE CODAGE VIDEO**  
[72] OSAWA, ATSUMASA, JP  
[73] MITSUBISHI ELECTRIC CORPORATION, JP  
[85] 2016-06-22  
[86] 2015-02-02 (PCT/JP2015/052856)  
[87] (WO2015/115645)  
[30] JP (2014-018448) 2014-02-03

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[11] **2,935,387**  
[13] C

[51] **Int.Cl. H04L 12/22 (2006.01) H04L 12/24 (2006.01)**  
[25] EN  
[54] **THREAT ASSESSMENT LEVEL DETERMINATION AND REMEDIATION FOR A CLOUD-BASED MULTI-LAYER SECURITY ARCHITECTURE**  
[54] **DETERMINATION DU NIVEAU D'EVALUATION DE MENACE ET ELIMINATION DE MENACE DESTINEES A UNE ARCHITECTURE DE SECURITE MULTICOUCHE FONDEE SUR LE WEB**  
[72] STEVENSON, JOHN, US  
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE  
[86] (2935387)  
[87] (2935387)  
[22] 2016-07-07  
[30] US (14/793,363) 2015-07-07

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[11] **2,935,463**  
[13] C

[51] **Int.Cl. H04L 12/28 (2006.01) H04L 12/701 (2013.01) H04L 9/32 (2006.01) H04L 12/16 (2006.01)**  
[25] EN  
[54] **CLOUD-BASED MULTI-LAYER SECURITY ARCHITECTURE WITH FIREWALLED VIRTUAL NETWORK PORTIONS**  
[54] **ARCHITECTURE DE SECURITE MULTICOUCHE NUAGIQUE COMPORTANT DES PORTIONS DE RESEAU VIRTUEL PROTEGEES PAR UN PARE-FEU**  
[72] STEVENSON, JOHN, US  
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE  
[86] (2935463)  
[87] (2935463)  
[22] 2016-07-07  
[30] US (14/793,285) 2015-07-07

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[11] **2,936,236**  
[13] C

[51] **Int.Cl. B62B 7/10 (2006.01)**  
[25] EN  
[54] **STROLLER**  
[54] **POUSSETTE**  
[72] SUNDBERG, BRIAN C., US  
[72] NYGREN, KURT, US  
[72] BEZANIUK, WALTER S., US  
[72] LANGLEY, JOSEPH D., US  
[73] DOREL JUVENILE GROUP, INC., US  
[85] 2016-07-07  
[86] 2015-01-12 (PCT/US2015/010977)  
[87] (WO2015/106185)  
[30] US (61/926,129) 2014-01-10  
[30] US (61/971,278) 2014-03-27

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[11] **2,936,722**  
[13] C

[51] **Int.Cl. B61F 3/04 (2006.01) B61F 5/50 (2006.01)**  
[25] EN  
[54] **BOGIE WITH A MOTOR MOUNT FOR A LINEAR INDUCTION MOTOR**  
[54] **BOGIE AVEC SUPPORT DE MOTEUR POUR MOTEUR LINEAIRE A INDUCTION**  
[72] TIMAN, PETER, CA  
[73] BOMBARDIER TRANSPORTATION GMBH, DE  
[86] (2936722)  
[87] (2936722)  
[22] 2016-07-19

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[11] **2,939,066**  
[13] C

[51] **Int.Cl. C08L 67/04 (2006.01) C08J 5/00 (2006.01) C08K 5/092 (2006.01) C08K 7/02 (2006.01) E21B 43/26 (2006.01) C08L 101/16 (2006.01)**

[25] EN

[54] **MOLDED PRODUCT HAVING EFFECTIVE THICKNESS OF 1 MM OR MORE AND CONTAINING ALIPHATIC POLYESTER RESIN, AND DOWNHOLE TOOL MEMBER FOR HYDROCARBON RESOURCE RECOVERY**

[54] **PRODUIT MOULE AYANT UNE EPAISSEUR REELLE DE 1 MM OU PLUS ET RENFERMANT UNE RESINE DE POLYESTER ALIPHATIQUE, ET ELEMENT D'OUTIL DE FOND DE TROU DESTINE A LA RECUPERATION DE RESSOURCE D'HYDROCARBURE**

[72] KOBAYASHI, TAKUMA, JP  
[72] SAIJO, HIKARU, JP  
[72] OKURA, MASAYUKI, JP  
[72] TAKAHASHI, TAKEO, JP  
[73] KUREHA CORPORATION, JP  
[85] 2016-08-08  
[86] 2015-02-27 (PCT/JP2015/055959)  
[87] (WO2015/137168)  
[30] JP (2014-047564) 2014-03-11

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[11] **2,939,173**  
[13] C

[51] **Int.Cl. B81B 3/00 (2006.01)**

[25] EN

[54] **MICROMECHANICAL COMPONENT HAVING A SPLIT, GALVANICALLY ISOLATED ACTIVE STRUCTURE, AND METHOD FOR OPERATING SUCH A COMPONENT**

[54] **COMPOSANT MICROMECHANIQUE COMPORTANT UNE STRUCTURE ACTIVE SEPEAREE ELECTRIQUEMENT ISOLEE ET PROCEDE POUR FAIRE FONCTIONNER UN TEL COMPOSANT**

[72] SPAHLINGER, GUNTER, DE  
[73] NORTHROP GRUMMAN LITEF GMBH, DE  
[85] 2016-08-09  
[86] 2015-02-11 (PCT/EP2015/000303)  
[87] (WO2015/128062)  
[30] DE (10 2014 002 823.2) 2014-02-25

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[11] **2,944,873**  
[13] C

[51] **Int.Cl. A01G 23/10 (2006.01) A01G 23/00 (2006.01)**

[25] EN

[54] **TREE RESIN COLLECTOR**

[54] **COLLECTEUR DE RESINE D'ARBRE**

[72] MC TEAR, DANIEL, CA  
[73] MC TEAR, DANIEL, CA  
[86] (2944873)  
[87] (2944873)  
[22] 2016-10-11  
[30] CA (2,908,582) 2015-10-15

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[11] **2,949,147**  
[13] C

[51] **Int.Cl. G01S 7/41 (2006.01) G01S 7/292 (2006.01) G01S 13/53 (2006.01)**

[25] EN

[54] **RADAR OPERATION WITH INCREASED DOPPLER CAPABILITY**

[54] **FONCTIONNEMENT DE RADAR A CAPACITE DOPPLER ACCRUE**

[72] LEE, ROBERT W., US  
[73] LEE, ROBERT W., US  
[85] 2016-11-16  
[86] 2015-05-26 (PCT/US2015/032478)  
[87] (WO2015/183830)  
[30] US (14/290,708) 2014-05-29

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[11] **2,950,376**  
[13] C

[51] **Int.Cl. E21B 28/00 (2006.01) E21B 7/24 (2006.01) E21B 31/00 (2006.01) E21B 31/107 (2006.01)**

[25] EN

[54] **HYDRAULIC PIPE STRING VIBRATOR FOR REDUCING WELL BORE FRICTION**

[54] **VIBRATEUR DE TRAIN DE TUYAUX HYDRAULIQUES DESTINE A REDUIRE LA FRICTION DANS UN TROU DE FORAGE**

[72] BAUDOIN, TOBY SCOTT, US  
[73] KLX ENERGY SERVICES LLC, US  
[85] 2016-12-01  
[86] 2015-06-05 (PCT/US2015/034573)  
[87] (WO2015/188155)  
[30] US (62/008,279) 2014-06-05  
[30] US (14/732,494) 2015-06-05

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[11] **2,950,691**  
[13] C

[51] **Int.Cl. F04B 39/06 (2006.01) F04B 39/16 (2006.01) F25B 43/00 (2006.01) F25J 3/00 (2006.01)**

[25] EN

[54] **COMPRESSOR AFTERCOOLER BYPASS WITH INTEGRAL WATER SEPARATOR**

[54] **DERIVATION DE POST-REFROIDISSEUR DE COMPRESSEUR A SEPARATEUR D'EAU INTEGRE**

[72] WRIGHT, ERIC C., US  
[73] NEW YORK AIR BRAKE LLC, US  
[85] 2016-11-29  
[86] 2014-06-17 (PCT/US2014/042672)  
[87] (WO2015/195092)

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February 19, 2017 to February 25, 2017

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[21] **2,900,709**  
[13] A1  
[51] **Int.Cl. A43B 7/06 (2006.01) A43B 7/00 (2006.01)**  
[25] EN  
[54] **VENTILATED ARTICLE OF FOOTWEAR**  
[54] **ARTICLE VENTILE DESTINE A UNE CHAUSSURE**  
[72] REUBEN, RONIE, CA  
[71] REUBEN, RONIE, CA  
[22] 2015-08-19  
[41] 2017-02-19

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[21] **2,900,772**  
[13] A1  
[51] **Int.Cl. C08F 4/16 (2006.01) C08F 2/34 (2006.01) C08F 210/02 (2006.01) C08F 210/16 (2006.01)**  
[25] EN  
[54] **METHOD FOR ALTERING MELT FLOW RATIO OF ETHYLENE POLYMERS**  
[54] **METHODE DE MODIFICATION DE LA PROPORTION DU FLUX DE FONTE DES POLYMERES ETHYLENIQUES**  
[72] KER, VICTORIA, CA  
[72] HOANG, PETER PHUNG MINH, CA  
[71] NOVA CHEMICALS CORPORATION, CA  
[22] 2015-08-20  
[41] 2017-02-20

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[21] **2,900,775**  
[13] A1  
[51] **Int.Cl. B01J 23/28 (2006.01) B01J 37/08 (2006.01)**  
[25] EN  
[54] **IMPROVED OXIDATIVE DEHYDROGENATION CATALYST**  
[54] **CATALYSE PAR DESHYDROGENATION OXYDANTE AMELIOREE**  
[72] SIMANZHENKOV, VASILY, CA  
[72] GAO, XIAOLIANG, CA  
[72] SULLIVAN, DAVID JEFFREY, CA  
[72] DRAG, HANNA, CA  
[72] KUSTOV, LEONID MODESTOVICH, RU  
[72] KUCHEROV, ALEKSEY VICTOROVICH, RU  
[72] FINASHINA, ELENA DMITRIEVNA, RU  
[71] NOVA CHEMICALS CORPORATION, CA  
[22] 2015-08-20  
[41] 2017-02-20

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[21] **2,901,051**  
[13] A1  
[51] **Int.Cl. E05B 17/20 (2006.01) E05B 17/22 (2006.01) E05B 19/00 (2006.01)**  
[25] EN  
[54] **REMOTE PHYSICAL MAIL BOX THEFT & VANDALISM DETECTOR**  
[54] **DÉTECTEUR DE VOL ET VANDALISME DE BOITE POSTALE PHYSIQUE TELECOMMANDE**  
[72] UNKNOWN, ZZ  
[71] ARMSTRONG, PATRICK D., CA  
[22] 2015-08-20  
[41] 2017-02-20

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[21] **2,901,055**  
[13] A1  
[51] **Int.Cl. G06F 17/27 (2006.01) G06F 3/0481 (2013.01) G06F 3/0486 (2013.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR THE CONVENIENT COMPARISON OF TEXT**  
[54] **SYSTEMES ET METHODES DE COMPARAISON PRATIQUE DE TEXTES**  
[72] CAINES, IAN, CA  
[71] CAINES, IAN, CA  
[22] 2015-08-20  
[41] 2017-02-20

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[21] **2,901,118**  
[13] A1  
[51] **Int.Cl. F24J 2/20 (2006.01) F24J 2/05 (2006.01)**  
[25] EN  
[54] **SOLAR AIR HEATER COLLECTOR**  
[54] **COLLECTEUR CHAUFFAGE A AIR SOLAIRE**  
[72] FAVREAU, ERIC, CA  
[72] CORDEAU, MICHEL, CA  
[71] FAVREAU, ERIC, CA  
[22] 2015-08-21  
[41] 2017-02-21

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[21] **2,901,121**  
[13] A1  
[51] **Int.Cl. B65D 81/38 (2006.01)**  
[25] EN  
[54] **PIZZA BAG FOR EXTENDED DELIVERY**  
[54] **SAC A PIZZA PERMETTANT LA LIVRAISON ULTERIEURE**  
[72] KLEIN, GREGORY, CA  
[71] KLEIN, GREGORY, CA  
[22] 2015-08-21  
[41] 2017-02-21



**Demandes canadiennes mises à la disponibilité du public**  
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[21] **2,901,125**  
[13] A1

[51] **Int.Cl. A01G 7/06 (2006.01)**  
[25] EN  
[54] **METHOD AND SYSTEM FOR THE OPTIMIZATION OF PLANT GROWTH**  
[54] **METHODE ET SYSTEME D'OPTIMISATION DE LA CROISSANCE DE VEGETAL**  
[72] FORD, MURRAY, CA  
[71] MURGYVER CONSULTING LTD., CA  
[22] 2015-08-21  
[41] 2017-02-21

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[21] **2,901,210**  
[13] A1

[51] **Int.Cl. H02J 7/00 (2006.01) H02J 50/20 (2016.01) H01M 10/44 (2006.01) H04R 25/00 (2006.01)**  
[25] EN  
[54] **RECHARGEABLE HEARING ASSISTANCE SYSTEM**  
[54] **DISPOSITIF D'AIDE AUDITIVE RECHARGEABLE**  
[72] PONOMAREV, VLADIMIR, CA  
[71] PONOMAREV, VLADIMIR, CA  
[22] 2015-08-24  
[41] 2017-02-24

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[21] **2,901,261**  
[13] A1

[51] **Int.Cl. F41A 23/02 (2006.01) F41A 35/00 (2006.01)**  
[25] EN  
[54] **APPARATUS HAVING CLAMP DEVICE AND FORESTOCK-SUPPORT MEMBER FOR FIREARM**  
[54] **APPAREILLAGE COMPORTANT UN DISPOSITIF DE PINCE ET UN ELEMENT DE SUPPORT DE FUT DESTINE A UNE ARME A FEU**  
[72] MCDONALD, FRANKLIN A., CA  
[71] MCDONALD, FRANKLIN A., CA  
[22] 2015-08-24  
[41] 2017-02-24

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[21] **2,901,288**  
[13] A1

[51] **Int.Cl. F24F 7/02 (2006.01) E04B 7/18 (2006.01) E04D 13/17 (2006.01)**  
[25] EN  
[54] **ROOF EXHAUST**  
[54] **ECHAPPEMENT DE TOIT**  
[72] RAMSAY, SERGE, CA  
[72] WILSON, JEAN, CA  
[71] VENTILATION MAXIMUM LTEE, CA  
[22] 2015-08-19  
[41] 2017-02-19

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[21] **2,901,438**  
[13] A1

[51] **Int.Cl. G01N 23/203 (2006.01)**  
[25] EN  
[54] **METHOD FOR INSPECTING AN INFRASTRUCTURE, COMPTON SCATTERING INSPECTION DEVICE AND METHOD OF OPERATING THEREOF**  
[54] **METHODE D'INSPECTION D'UNE INFRASTRUCTURE, DISPOSITIF D'INSPECTION PAR DIFFUSION COMPTON ET METHODE DE FONCTIONNEMENT ASSOCIEE**  
[72] DURETTE, SHAWN, CA  
[71] INVERSA SYSTEMS LTD., CA  
[22] 2015-08-20  
[41] 2017-02-20

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[21] **2,901,453**  
[13] A1

[51] **Int.Cl. A43B 3/26 (2006.01) A43B 7/00 (2006.01)**  
[25] EN  
[54] **FOOTWEAR FOR PROBLEM FEET**  
[54] **CHAUSSURE DESTINEE A UN PIED AYANT UN PROBLEME**  
[72] SAMARIN, RUTH L., CA  
[71] SAMARIN, RUTH L., CA  
[22] 2015-08-25  
[41] 2017-02-25

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[21] **2,901,477**  
[13] A1

[51] **Int.Cl. G09G 5/00 (2006.01) G06F 3/14 (2006.01) G02C 7/00 (2006.01)**  
[25] EN  
[54] **VISION CORRECTION SYSTEM, METHOD AND GRAPHICAL USER INTERFACE FOR IMPLEMENTATION ON ELECTRONIC DEVICES HAVING A GRAPHICAL DISPLAY**  
[54] **SYSTEME DE CORRECTION DE LA VISION, METHODE ET INTERFACE UTILISATEUR GRAPHIQUE DESTINEE A LA MISE EN PLACE DE DISPOSITIFS ELECTRONIQUES AYANT UN AFFICHEUR GRAPHIQUE**  
[72] HOUGH, NATHAN L., BB  
[72] HOUGH, CHRISTOPHER J. S., BB  
[72] SHARPE, JENNIFER K., BB  
[72] HOUGH, RYAN M., BB  
[72] VIGEANT, LUKE A., CA  
[71] EVOLUTION OPTIKS LIMITED, VG  
[22] 2015-08-25  
[41] 2017-02-25

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[21] **2,901,494**  
[13] A1

[51] **Int.Cl. G01S 15/88 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR NON-DESTRUCTIVE PARTS TESTING**  
[54] **SYSTEMES ET METHODES D'ESSAI NON DESTRUCTIF SUR DES PIECES**  
[72] DEWALLE, BRIAN S., CA  
[72] DEWALLE, JEFFREY G., CA  
[72] DEWALLE, RICHARD T., CA  
[71] DEWALLE, BRIAN S., CA  
[71] DEWALLE, JEFFREY G., CA  
[71] DEWALLE, RICHARD T., CA  
[22] 2015-08-21  
[41] 2017-02-21

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[21] **2,901,521**  
[13] A1

[51] **Int.Cl. G11C 13/06 (2006.01) G11C 7/00 (2006.01) G11C 8/00 (2006.01)**  
[25] EN  
[54] **UNIVERSAL COMPUTER MEMORY**  
[54] **MEMOIRE INFORMATIQUE UNIVERSELLE**  
[72] PATEL, SURESHCHANDRA B., CA  
[71] PATEL, SURESHCHANDRA B., CA  
[22] 2015-08-21  
[41] 2017-02-21

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[21] **2,901,547**  
[13] A1

[51] **Int.Cl. G01S 15/88 (2006.01) G01M 13/00 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR NON-DESTRUCTIVE PARTS TESTING**  
[54] **SYSTEMES ET METHODES D'ESSAI NON DESTRUCTIF SUR DES PIECES**  
[72] DEWALLE, RICHARD T., CA  
[72] DEWALLE, JEFFREY G., CA  
[72] DEWALLE, BRIAN S., CA  
[71] DEWALLE, RICHARD T., CA  
[71] DEWALLE, JEFFREY G., CA  
[71] DEWALLE, BRIAN S., CA  
[22] 2015-08-21  
[41] 2017-02-21

[21] **2,901,657**  
[13] A1

[51] **Int.Cl. F42B 7/04 (2006.01) F42B 33/00 (2006.01)**  
[25] EN  
[54] **AN ACCURATE LEAD FREE FRANGIBLE AIRGUN PELLET AND METHOD OF MAKING SAME**  
[54] **PLOMB DE FUSIL A AIR FRANGIBLE, SANS PLOMB, PRECIS ET METHODE DE FABRICATION ASSOCIEE**  
[72] LEBLANC, RUSSELL, CA  
[71] LEBLANC, RUSSELL, CA  
[22] 2015-08-25  
[41] 2017-02-25

[21] **2,901,659**  
[13] A1

[51] **Int.Cl. F24H 9/18 (2006.01) F24H 1/20 (2006.01) F24H 9/20 (2006.01)**  
[25] EN  
[54] **DUAL/MULTI ENERGY GAS WATER HEATER**  
[54] **CHAUFFE-EAU AU GAZ BIENERGIE/MULTIENERGIE**  
[72] LESAGE, CLAUDE, CA  
[71] MICLAU-S.R.I. INC., CA  
[22] 2015-08-25  
[41] 2017-02-25

[21] **2,901,704**  
[13] A1

[51] **Int.Cl. E02B 9/00 (2006.01)**  
[25] EN  
[54] **WORLD'S FIRST DAMLESS UNDERGROUND SEA HYDROPOWER PLANT TO PRODUCE LARGE SCALE HYDROPOWER FOR THE PRODUCTION OF LARGE SCALE SYNTHETIC FUEL FOR HYDROGEN GAS FOR SHIPS, AIRCRAFTS, AND VEHICLES (KRISHNA'S METHOD)**  
[54] **PREMIERE HYDROLIENNE SOUS-MARINE SANS BARRAGE AU MONDE SERVANT A PRODUIRE DE L'HYDROELECTRICITE A GRANDE ECHELLE POUR LA PRODUCTION DE CARBURANT SYNTHETIQUE A GRANDE ECHELLE D'HYDROGENE GAZEUX POUR LES NAVIRES, LES AERONEFS ET LES VEHICULES (PROCEDE KRISNA)**  
[72] KRISHNAMOORTHY, SRINIVASAN, CA  
[71] KRISHNAMOORTHY, SRINIVASAN, CA  
[22] 2015-08-25  
[41] 2017-02-25

[21] **2,904,041**  
[13] A1

[51] **Int.Cl. C02F 3/00 (2006.01) A62D 3/02 (2007.01) C02F 1/58 (2006.01) C02F 3/34 (2006.01)**  
[25] EN  
[54] **ELECTROBIOCHEMICAL REACTOR AND RELATED METHOD TO ENHANCE MICROBIAL/ENZYME FUNCTION IN TRANSFORMING OR REMOVING CONTAMINANTS FROM A LIQUID**  
[54] **REACTEUR ELECTROBIOCHIMIQUE ET METHODE ASSOCIEE SERVANT A AMELIORER LA FONCTION MICROBIENNE/ENZYMATIQUE EN TRANSFORMANT OU EN ELIMINANT LES CONTAMINANTS D'UN LIQUIDE**  
[72] ADAMS, D. JACK, US  
[71] ADAMS, D. JACK, US  
[22] 2015-09-11  
[41] 2017-02-20  
[30] US (14/831,666) 2015-08-20

[21] **2,909,097**  
[13] A1

[51] **Int.Cl. F04C 18/344 (2006.01) F01C 21/02 (2006.01) F04C 29/00 (2006.01)**  
[25] EN  
[54] **VACUUM PUMP OF LIGHTWEIGHT CONSTRUCTION**  
[54] **POMPE A VIDE DE CONSTRUCTION LEGERE**  
[72] WALDER, MARCEL, DE  
[72] KOZIN, OLEKSANDR, DE  
[72] SZCZEPANEK, REMIGIUS, DE  
[72] WALLENFELS, JORG, DE  
[72] GERSCHWINAT, ROLF, DE  
[72] FROWEIN, KORNELIA, DE  
[71] MAGNA POWERTRAIN BAD HOMBURG GMBH, DE  
[22] 2015-10-20  
[41] 2017-02-24  
[30] DE (102015216104.8) 2015-08-24

[21] **2,910,378**  
[13] A1

[51] **Int.Cl. E04H 17/14 (2006.01)**  
[25] EN  
[54] **ADJUSTABLE FENCE**  
[54] **CLOTURE AJUSTABLE**  
[72] WU, CHUN-YIN, CN  
[71] HUDSON HARDWARE & PLASTICS CO., LIMITED, CN  
[22] 2015-10-27  
[41] 2017-02-20  
[30] TW (104127109) 2015-08-20

[21] **2,911,684**  
[13] A1

[51] **Int.Cl. F16K 7/00 (2006.01) F16K 7/12 (2006.01) F16K 7/16 (2006.01)**  
[25] EN  
[54] **DISPOSABLE DIAPHRAGM VALVE**  
[54] **VANNE DE DIAPHRAGME JETABLE**  
[72] VELINOV, MARIO, US  
[72] PARKER, ANDREW, US  
[72] LAM, CHARLES, US  
[72] MARTIN, LAWRENCE, US  
[72] LA, CAN T., US  
[71] DELAWARE CAPITAL FORMATION, INC., US  
[22] 2015-11-06  
[41] 2017-02-20  
[30] US (14/831,730) 2015-08-20

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[21] **2,911,724**  
[13] A1

[51] **Int.Cl. B41F 17/14 (2006.01) A63D 15/08 (2006.01) B41J 2/315 (2006.01) B41M 5/26 (2006.01)**

[25] EN

[54] **INTELLIGENT COPYING HEAT TRANSFER PRINTER SPECIALIZED FOR CUES**

[54] **IMPRIMANTE A TRANSFERT DE CHALEUR A COPIAGE INTELLIGENT SPECIALISEE POUR LES REPERES**

[72] XIA, YANING, CN  
[71] XIA, YANING, CN  
[22] 2015-11-10  
[41] 2017-02-24  
[30] CN (201510520511.0) 2015-08-24

[21] **2,919,047**  
[13] A1

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

[25] EN

[54] **INTEGRATED PLATFORM OF LOYALTY PROGRAMS**

[54] **PLATEFORME INTEGREE DE PROGRAMMES DE FIDELITE**

[72] SUAREZX, ALEJENDRO, CA  
[71] SUAREZX, ALEJENDRO, CA  
[22] 2016-01-25  
[41] 2017-02-20  
[30] US (62/283,249) 2015-08-20

[21] **2,920,244**  
[13] A1

[51] **Int.Cl. F24F 7/02 (2006.01) E04B 7/18 (2006.01) E04D 13/17 (2006.01)**

[25] EN

[54] **ROOF EXHAUST WITH COUNTERWEIGHTED DAMPER**

[54] **ECHAPPEMENT DE TOIT DOTE D'UN VOLET A CONTREPOIDS**

[72] RAMSAY, SERGE, CA  
[72] WILSON, JEAN, CA  
[71] RAMSAY, SERGE, CA  
[71] RAMSAY, LINDA, CA  
[22] 2016-02-08  
[41] 2017-02-19  
[30] CA (2,901,288) 2015-08-19

[21] **2,921,511**  
[13] A1

[51] **Int.Cl. F16C 11/06 (2006.01) B63B 17/02 (2006.01) F16B 7/00 (2006.01)**

[25] EN

[54] **BALL AND SOCKET**

[54] **BILLE ET DOUILLE**

[72] JAMES, TIM, US  
[71] DOWCO, INC., US  
[22] 2016-02-22  
[41] 2017-02-24  
[30] US (14/833,598) 2015-08-24

[21] **2,922,216**  
[13] A1

[51] **Int.Cl. E21B 43/40 (2006.01) C02F 1/02 (2006.01) C02F 1/20 (2006.01) C02F 1/40 (2006.01) C02F 9/02 (2006.01) E21B 43/34 (2006.01) E21B 43/24 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR TREATING PRODUCED WATER HAVING A FLASH VAPORIZATION SYSTEM FOR REMOVING DISSOLVED GASES FROM PRODUCED WATER**

[54] **SYSTEME ET METHODE DE TRAITEMENT D'EAU PRODUITE COMPORTANT UN SYSTEME DE VAPORISATION FLASH SERVANT A ELIMINER LES GAZ DISSOUTS DE L'EAU PRODUITE**

[72] NICHOLSON, MARK C., US  
[71] VEOLIA WATER TECHNOLOGIES, INC., US  
[22] 2016-03-01  
[41] 2017-02-19  
[30] US (14/829,742) 2015-08-19

[21] **2,924,192**  
[13] A1

[51] **Int.Cl. A61F 2/42 (2006.01)**

[25] EN

[54] **TOTAL ANKLE TALAR PROSTHESIS WITH ANCHOR HOLES AND GROOVES**

[54] **PROTHESE TALIEENNE TOTALE DE LA CHEVILLE DOTE DE TROUS ET DE RAINURES D'ANCRAGE**

[72] DHILLON, BRAHAM K., US  
[71] WRIGHT MEDICAL TECHNOLOGY, INC., US  
[22] 2016-03-18  
[41] 2017-02-25  
[30] US (14/835,184) 2015-08-25

[21] **2,924,440**  
[13] A1

[51] **Int.Cl. A61F 2/42 (2006.01)**

[25] EN

[54] **MODULAR TALAR FIXATION METHOD AND SYSTEM**

[54] **METHODE ET SYSTEME DE FIXATION TALIEENNE MODULAIRE**

[72] DHILLON, BRAHAM K., US  
[72] MCGINLEY, SHAWN E., US  
[71] WRIGHT MEDICAL TECHNOLOGY, INC., US  
[22] 2016-03-22  
[41] 2017-02-25  
[30] US (14/835,208) 2015-08-25

[21] **2,931,896**  
[13] A1

[51] **Int.Cl. G01N 3/00 (2006.01)**

[25] EN

[54] **ANALYSIS OF A STRUCTURE MODELED WITH INCONSISTENCIES MAPPED THEREON**

[54] **ANALYSE D'UNE STRUCTURE MODELISEE DANS LAQUELLE DES INCOHERENCES SONT INTEGRES**

[72] TAT, HONG HUE, US  
[72] GREENE, KELLY M., US  
[72] LIN, JOHN Z., US  
[72] BREWER, CARLYN R., US  
[72] KELLER, RUSSELL LEE, US  
[71] THE BOEING COMPANY, US  
[22] 2016-06-01  
[41] 2017-02-21  
[30] US (14/832,575) 2015-08-21

[21] **2,931,910**  
[13] A1

[51] **Int.Cl. E21B 19/06 (2006.01) E21B 19/22 (2006.01)**

[25] EN

[54] **ROLLER CHAIN WITH CARRIER PLATES**

[54] **CHAINE DE ROULEMENT DOTE DE PLAQUES PORTEUSES**

[72] WRIGHT, JOHN A., US  
[71] DIAMOND CHAIN COMPANY, INC., US  
[22] 2016-06-02  
[41] 2017-02-19  
[30] US (14/830,261) 2015-08-19

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[21] **2,932,129**

[13] A1

- [51] **Int.Cl. A63B 22/08 (2006.01) A63B 21/06 (2006.01) A63B 69/16 (2006.01)**  
[25] EN  
[54] **CASE WITH WEIGHTS FOR ADDING WEIGHT TO A BICYCLE**  
[54] **PANIER AVEC POIDS SERVANT A AJOUTER DU POIDS A UN VELO**  
[72] CONNELLY, MARK E., US  
[71] CONNELLY, MARK E., US  
[22] 2016-06-06  
[41] 2017-02-21  
[30] US (62/207925) 2015-08-21  
[30] US (14/949340) 2015-11-23

[21] **2,932,827**

[13] A1

- [51] **Int.Cl. B29C 70/40 (2006.01)**  
[25] EN  
[54] **COMPOSITE FEEDSTOCK STRIPS FOR ADDITIVE MANUFACTURING AND METHODS OF FORMING THEREOF**  
[54] **BANDES DE MATIERE PREMIERE COMPOSITES DESTINEES A LA FABRICATION ADDITIVE ET METHODES DE FORMAGE ASSOCIEES**  
[72] WALDROP, JOHN C., III, US  
[72] HAYES, MICHAEL W., US  
[72] HICKMAN, GREGORY JAMES SCHOEPEN, US  
[72] THOMPSON, MATTHEW S., US  
[72] HEINZ, STEPHEN R., US  
[71] THE BOEING COMPANY, US  
[22] 2016-06-10  
[41] 2017-02-25  
[30] US (14/835323) 2015-08-25  
[30] US (15/051285) 2016-02-23

[21] **2,932,920**

[13] A1

- [51] **Int.Cl. B23K 9/10 (2006.01) B23K 9/12 (2006.01) B23K 9/173 (2006.01) B23K 9/32 (2006.01)**  
[25] EN  
[54] **WELDING PROCESS WIRE FEEDER ADAPTER**  
[54] **ADAPTATEUR D'ALIMENTATION DE FIL POUR UN PROCEDE DE SOUDAGE**  
[72] BELLILE, BRIAN RANDALL, US  
[72] STEIN, ALAN EDWARD, US  
[71] ILLINOIS TOOL WORKS INC., US  
[22] 2016-06-14  
[41] 2017-02-25  
[30] US (14/835,331) 2015-08-25

[21] **2,932,990**

[13] A1

- [51] **Int.Cl. B64D 15/12 (2006.01) B32B 5/18 (2006.01) B32B 15/00 (2006.01) B64C 1/40 (2006.01) B64C 7/02 (2006.01) F01D 25/02 (2006.01) H05B 6/10 (2006.01) C09K 3/18 (2006.01)**  
[25] EN  
[54] **SYNERGETIC NOISE ABSORPTION AND ANTI-ICING FOR AIRCRAFTS**  
[54] **ABSORPTION DE BRUIT SYNERGETIQUE ET ANTI-GIVRAGE DESTINES AUX AERONEFS**  
[72] KHOZIKOV, VYACHESLAV, US  
[72] LAN, JUSTIN H., US  
[72] NESBITT, ERIC H., US  
[72] FOLLET, JESSE I., US  
[71] THE BOEING COMPANY, US  
[22] 2016-06-13  
[41] 2017-02-25  
[30] US (14/835,659) 2015-08-25
- [21] **2,933,067**  
[13] A1
- [51] **Int.Cl. B64D 15/12 (2006.01)**  
[25] EN  
[54] **SYNERGETIC NOISE ABSORPTION AND ANTI-ICING FOR AIRCRAFTS**  
[54] **ABSORPTION DE BRUIT SYNERGETIQUE ET ANTI-GIVRAGE DESTINES AUX AERONEFS**  
[72] KHOZIKOV, VYACHESLAV, US  
[72] FOLLET, JESSE I., US  
[72] LAN, JUSTIN H., US  
[72] NESBITT, ERIC H., US  
[71] THE BOEING COMPANY, US  
[22] 2016-06-13  
[41] 2017-02-25  
[30] US (14/835,611) 2015-08-25

[21] **2,933,920**

[13] A1

- [51] **Int.Cl. A61B 17/068 (2006.01)**  
[25] EN  
[54] **SURGICAL CLIP APPLIER**  
[54] **APPLICATEUR DE PINCE CHIRURGICALE**  
[72] MALKOWSKI, JAROSLAW T., US  
[72] MEEHAN, CHRISTOPHER M., US  
[72] CRESTON, BRIAN, US  
[72] ROCKROHR, BRIAN, US  
[72] ADDI, ERNEST, US  
[72] ZAMMATARO, THOMAS, US  
[71] COVIDIEN LP, US  
[22] 2016-06-21  
[41] 2017-02-19  
[30] US (14/829,727) 2015-08-19
- [21] **2,934,734**  
[13] A1
- [51] **Int.Cl. H01M 2/02 (2006.01) H01M 2/10 (2006.01) H01M 2/16 (2006.01) H04B 7/185 (2006.01)**  
[25] EN  
[54] **BATTERY ASSEMBLY, BATTERY CONTAINMENT APPARATUS, AND RELATED METHODS OF MANUFACTURE**  
[54] **ASSEMBLAGE DE BATTERIE, APPAREIL DE CONFINEMENT DE BATTERIE ET METHODES DE FABRICATION ASSOCIEES**  
[72] ASTON, RICHARD W., US  
[72] BOHMAN, MICHAEL WILLIAM, US  
[71] THE BOEING COMPANY, US  
[22] 2016-06-29  
[41] 2017-02-21  
[30] US (14/832,373) 2015-08-21

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[21] **2,935,136**  
[13] A1

[51] **Int.Cl. E21B 33/03 (2006.01) E21B 43/12 (2006.01)**  
[25] EN  
[54] **GAS COMPRESSION SYSTEM FOR WELLBORE INJECTION, AND METHOD FOR OPTIMIZING GAS INJECTION**  
[54] **SYSTEME DE COMPRESSION DE GAZ DESTINE A UNE INJECTION DANS UN PUIT DE FORAGE, ET METHODE D'OPTIMISATION DE L'INJECTION DE GAZ**  
[72] ELMER, WILLIAM G., US  
[71] ENCLINE ARTIFICIAL LIFT TECHNOLOGIES LLC, US  
[22] 2016-07-05  
[41] 2017-02-19  
[30] US (15/186,443) 2016-06-18  
[30] US (62/207,038) 2015-08-19

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[21] **2,935,181**  
[13] A1

[51] **Int.Cl. B64C 9/00 (2006.01) B64C 3/18 (2006.01) B64C 3/38 (2006.01) B64C 9/02 (2006.01)**  
[25] EN  
[54] **MITIGATION OF SURFACE DISCONTINUITIES BETWEEN FLIGHT CONTROL SURFACES AND AN AIRFRAME OF AN AIRCRAFT**  
[54] **ATTENUATION DES DISCONTINUITES DE SURFACE ENTRE LES SURFACES DE COMMANDE DE VOL ET UN FUSELAGE D'UN AERONEF**  
[72] LOYET, JESSICA, US  
[72] PITT, DALE M., US  
[71] THE BOEING COMPANY, US  
[22] 2016-07-05  
[41] 2017-02-20  
[30] US (14/831066) 2015-08-20

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[21] **2,935,352**  
[13] A1

[51] **Int.Cl. H04L 12/16 (2006.01)**  
[25] EN  
[54] **MULTI-CLOUD NETWORK PROXY FOR CONTROL AND NORMALIZATION OF TAGGING DATA**  
[54] **MANDATAIRE DE RESEAU MULTINUAGE DESTINE AU CONTROLE ET A LA NORMALISATION DE DONNEES DE BALISAGE**  
[72] FOSKETT, ROGER, GB  
[72] GULSVIG WOOD, CATHERINE RUTH, US  
[71] ACCENTURE GLOBAL SERVICES LIMITED, IE  
[22] 2016-07-06  
[41] 2017-02-25  
[30] US (14/835,217) 2015-08-25

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[21] **2,935,837**  
[13] A1

[51] **Int.Cl. H04W 4/06 (2009.01) H04W 4/02 (2009.01) H04W 4/22 (2009.01) B64D 45/00 (2006.01)**  
[25] EN  
[54] **AIRCRAFT DISTRESS TRACKING AND INTERFACE TO SEARCH AND RESCUE SYSTEM, AND AIRCRAFT TRACKING METHOD AND DEVICE AND METHOD OF INSTALLATION**  
[54] **SUIVI DE DETRESSE D'UN AERONEF ET INTERFACE DE SYSTEME DE RECHERCHE ET SAUVETAGE, ET METHODE DE SUIVI D'UN AERONEF ET DISPOSITIF ET METHODE D'INSTALLATION**  
[72] MURPHY, TIMOTHY ALLEN, US  
[71] THE BOEING COMPANY, US  
[22] 2016-07-11  
[41] 2017-02-21  
[30] US (14/832,851) 2015-08-21  
[30] US (14/832,879) 2015-08-21

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[21] **2,935,840**  
[13] A1

[51] **Int.Cl. G10L 21/0216 (2013.01) H04W 88/02 (2009.01) G10L 21/0224 (2013.01) H04R 1/08 (2006.01)**  
[25] EN  
[54] **METHOD AND DEVICE FOR MITIGATING WIND NOISE IN A SPEECH SIGNAL GENERATED AT A MICROPHONE OF THE DEVICE**  
[54] **METHODE ET DISPOSITIF D'ATTENUATION DU BRUIT DU VENT DANS UN SIGNAL DE VOIX PRODUIT AU MICROPHONE DU DISPOSITIF**  
[72] LASKA, BRADY NICHOLAS, CA  
[72] GORDY, JAMES DAVID, CA  
[72] TETELBAUM, MICHAEL, CA  
[71] BLACKBERRY LIMITED, CA  
[22] 2016-07-12  
[41] 2017-02-25  
[30] US (14/834512) 2015-08-25

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[21] **2,936,207**  
[13] A1

[51] **Int.Cl. F01D 25/18 (2006.01) F01D 25/16 (2006.01) F02C 7/06 (2006.01) F16C 33/66 (2006.01)**  
[25] EN  
[54] **OIL SCUPPER SYSTEM FOR BEARING HOUSING OF GAS TURBINE ENGINE**  
[54] **SYSTEME DE DALOT D'HUILE DESTINE AU LOGEMENT DE PALIER D'UN MOTEUR DE TURBINE A GAZ**  
[72] LEFEBVRE, GUY, CA  
[72] DUROCHER, ERIC, CA  
[71] PRATT & WHITNEY CANADA CORP., CA  
[22] 2016-07-13  
[41] 2017-02-20  
[30] US (14/831,320) 2015-08-20

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[21] **2,936,315**  
[13] A1

[51] **Int.Cl. A61L 9/00 (2006.01) A61L 9/02 (2006.01)**  
[25] EN  
[54] **AUTOMOTIVE VENT FRESHENER**  
[54] **ASSAINISSEUR DE VENTILATION D'AUTOMOBILE**  
[72] D'AMICO, DANIEL, US  
[71] SCENT2MARKET INC., US  
[22] 2016-07-18  
[41] 2017-02-21  
[30] US (14/832,088) 2015-08-21

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[21] **2,936,516**  
[13] A1

[51] **Int.Cl. C23C 22/82 (2006.01)**  
[25] EN  
[54] **METHOD OF THERMALLY TREATING BLACK PLATE COATED WITH A CONVERSION COATING**  
[54] **METHODE DE TRAITEMENT THERMIQUE DE PLAQUE NOIRE REVETUE D'UN REVETEMENT DE CONVERSION**  
[72] MARMANN, ANDREA, DE  
[72] LOMMEL, TANJA, DE  
[72] SAUER, REINER, DE  
[72] KASDORF, TATJANA, DE  
[72] SCHLEICH, MARTIN, DE  
[72] MALEJCZYK, MONIKA, DE  
[72] RINK, HANS-PETER, DE  
[71] THYSSENKRUPP RASSELSTEIN GMBH, DE  
[71] THYSSENKRUPP AG, DE  
[22] 2016-07-19  
[41] 2017-02-21  
[30] DE (10 2015 113 878.6) 2015-08-21

[21] **2,936,616**  
[13] A1

[51] **Int.Cl. A01F 15/10 (2006.01) A01D 59/00 (2006.01) B65B 27/12 (2006.01)**  
[25] EN  
[54] **WRAPPING-MATERIAL STORAGE UNIT AND CROP HARVESTING DEVICE**  
[54] **MODULE DE RANGEMENT DE MATERIAU D'EMBALLAGE ET DISPOSITIF DE RECOLTE**  
[72] GUERIN, SEBASTIEN, FR  
[72] CHAPON, EMMANUEL, FR  
[71] DEERE & COMPANY, US  
[22] 2016-07-20  
[41] 2017-02-20  
[30] DE (10 2015 215 899.3) 2015-08-20

[21] **2,936,735**  
[13] A1

[51] **Int.Cl. B65D 81/03 (2006.01)**  
[25] EN  
[54] **PACKING ELEMENT FOR A STRUCTURED PACKING WITH SPECIFIC MOUNTING CLIPS**  
[54] **ELEMENT D'EMBALLAGE DESTINE A UN EMBALLAGE STRUCTURE AYANT DES PINCES DE MONTAGE SPECIFIQUES**  
[72] KEHRER, FLORIAN, CH  
[71] SULZER CHEMTECH AG, CH  
[22] 2016-07-19  
[41] 2017-02-20  
[30] EP (15181827.5) 2015-08-20

[21] **2,936,836**  
[13] A1

[51] **Int.Cl. E21B 34/06 (2006.01) E21B 34/14 (2006.01) E21B 43/26 (2006.01)**  
[25] EN  
[54] **SELECTOR VALVE FOR USE IN COMPLETION OPERATIONS**  
[54] **VANNE DE SELECTEUR SERVANT AUX OPERATIONS DE COMPLETION**  
[72] ANDREYCHUK, MARK, CA  
[72] ANGMAN, PER, CA  
[71] KOBOLD SERVICES INC., CA  
[22] 2016-07-22  
[41] 2017-02-20  
[30] US (62/207,449) 2015-08-20

[21] **2,936,867**  
[13] A1

[51] **Int.Cl. B63H 21/38 (2006.01) B63H 21/14 (2006.01) F01P 3/20 (2006.01)**  
[25] EN  
[54] **MARINE ENGINE STRAINER ASSEMBLY**  
[54] **DISPOSITIF DE FILTRE DE MOTEUR MARIN**  
[72] KIMBALL, KEVIN J., US  
[72] MASHBURN, RACHEL M., US  
[72] STIMMEL, JASON C., US  
[72] VETZEL, JASON, US  
[71] INDMAR PRODUCTS COMPANY INC., US  
[22] 2016-07-22  
[41] 2017-02-20  
[30] US (14/831,074) 2015-08-20

[21] **2,937,010**  
[13] A1

[51] **Int.Cl. B25B 13/06 (2006.01) B25B 27/14 (2006.01) B60S 5/00 (2006.01)**  
[25] EN  
[54] **RESERVOIR CAP SOCKET**  
[54] **DOUCHE DE BOUCHON DE RESERVOIR**  
[72] DEVECCHIS, MARCO, US  
[71] SNAP-ON INCORPORATED, US  
[22] 2016-07-25  
[41] 2017-02-24  
[30] US (14/833,504) 2015-08-24

[21] **2,937,119**  
[13] A1

[51] **Int.Cl. C30B 25/16 (2006.01) C30B 25/14 (2006.01) C30B 29/06 (2006.01)**  
[25] EN  
[54] **DICHLOROSILANE COMPENSATING CONTROL STRATEGY FOR IMPROVED POLYCRYSTALLINE SILICON GROWTH**  
[54] **STRATEGIE DE CONTROLE COMPENSANT LE DICHLOROSILANE EN VUE D'AMELIORER LA CROISSANCE DE SILICIUM POLYCRISTALLIN**  
[72] BUCCI, JOHN VICTOR, US  
[72] STACHOWIAK, MARK RICHARD, US  
[72] STIBITZ, CHARLES ALLAN, US  
[71] HEMLOCK SEMICONDUCTOR CORPORATION, US  
[22] 2016-07-21  
[41] 2017-02-24  
[30] US (62/208,967) 2015-08-24

[21] **2,937,724**  
[13] A1

[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 PLISSE ANNULAIRE**  
[72] RAGNER, GARY DEAN, US  
[71] RAGNER TECHNOLOGY CORPORATION, US  
[22] 2016-08-02  
[41] 2017-02-20  
[30] US (14/831313) 2015-08-20

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[21] **2,937,729**  
[13] A1

[51] **Int.Cl. A61K 33/00 (2006.01) A23L 33/16 (2016.01) A23L 2/52 (2006.01) C02F 1/68 (2006.01)**

[25] EN

[54] **OXYGEN-ENRICHED WATER COMPOSITION, BIOCOMPATIBLE COMPOSITION COMPRISING THE SAME, AND METHODS OF PREPARING AND USING THE SAME**

[54] **COMPOSITION D'EAU ENRICHIE D'OXYGENE, COMPOSITION BIOCOMPATIBLE EN RENFERMANT ET METHODES DE PREPARATION ET D'UTILISATION ASSOCIEES**

[72] WU, TANG MING, TW

[71] OXY YOUNG CO., LTD., TW

[22] 2016-08-03

[41] 2017-02-25

[30] TW (104127596) 2015-08-25

[30] TW (104128012) 2015-08-26

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[21] **2,937,955**  
[13] A1

[51] **Int.Cl. B60R 21/235 (2006.01)**

[25] EN

[54] **AIRBAG COATING**

[54] **REVETEMENT DE COUSSIN GONFLABLE**

[72] KESHAVARAJ, RAMESH, US

[71] MILLIKEN & COMPANY, US

[22] 2016-08-04

[41] 2017-02-24

[30] US (14/833,392) 2015-08-24

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[21] **2,938,199**  
[13] A1

[51] **Int.Cl. F25B 7/00 (2006.01) F25B 9/00 (2006.01) F25B 39/00 (2006.01)**

[25] EN

[54] **CARBON DIOXIDE COOLING SYSTEM WITH SUBCOOLING**

[54] **SYSTEME DE REFROIDISSEMENT AU DIOXYDE DE CARBONE A REFROIDISSEMENT SECONDAIRE**

[72] USELTON, ROBERT B., US

[71] LENNOX INDUSTRIES INC., US

[22] 2016-08-08

[41] 2017-02-20

[30] US (62/207,788) 2015-08-20

[30] US (14/955,258) 2015-12-01

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[21] **2,938,248**  
[13] A1

[51] **Int.Cl. F03D 1/06 (2006.01)**

[25] EN

[54] **WIND TURBINE BLADE WITH TRIPPING DEVICE AND METHOD THEREOF**

[54] **PALE D'EOLIENNE DOTEE D'UN MECANISME DE BASCULE ET METHODE ASSOCIEE**

[72] SUN, YUPING, US

[71] ENVISION ENERGY (JIANGSU) CO., LTD., CN

[22] 2016-08-08

[41] 2017-02-19

[30] IB (PCT/IB2015/001837) 2015-08-19

[30] DK (PA 2015 70884) 2015-12-29

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[21] **2,938,293**  
[13] A1

[51] **Int.Cl. G06F 17/00 (2006.01) H04L 12/16 (2006.01)**

[25] EN

[54] **CONTROL PROGRAM FOR ACCESSING BROWSER DATA AND FOR CONTROLLING APPLIANCE**

[54] **PROGRAMME DE CONTROLE D'ACCES AUX DONNEES DE NAVIGATEUR ET DE COMMANDE D'APPAREIL ELECTROMENAGER**

[72] PIRNER, THOMAS, CA

[71] PIRNER, KATRINA D., CA

[22] 2016-08-05

[41] 2017-02-24

[30] US (14/833,413) 2015-08-24

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[21] **2,938,306**  
[13] A1

[51] **Int.Cl. E03F 7/04 (2006.01) F16K 15/03 (2006.01)**

[25] EN

[54] **NORMALLY-OPEN BACKWATER VALVE WITH SUSPENDED FLAPPER**

[54] **CLAPET ANTIRETOUR NORMALEMENT OUVERT DOTE D'UN BATTANT SUSPENDU**

[72] XU, ZHENGYI, US

[72] GRODJESK, HARVEY, US

[71] THE RECTORSEAL CORPORATION, US

[22] 2016-08-05

[41] 2017-02-19

[30] US (62/283,054) 2015-08-19

[30] US (62/398,040) 2016-02-16

[30] US (15/194,997) 2016-06-28

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[21] **2,938,489**  
[13] A1

[51] **Int.Cl. F25B 9/14 (2006.01)**

[25] EN

[54] **STIR-CYCLE MOTOR**

[54] **MOTEUR A CYCLE DE MELANGE**

[72] HOLLISTER, MICHAEL CHRISTOPHER, US

[71] HEATCRAFT REFRIGERATION PRODUCTS LLC, US

[22] 2016-08-09

[41] 2017-02-24

[30] US (14/833,915) 2015-08-24

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[21] **2,938,504**  
[13] A1

[51] **Int.Cl. A63F 3/06 (2006.01) G07F 17/32 (2006.01)**

[25] EN

[54] **PROGRESSIVE JACKPOT ASSOCIATED WITH DEALS OF PRE-PRINTED TICKETS DISPENSED AT MULTIPLE LOCATIONS BY CASHIERS**

[54] **CAGNOTTE PROGRESSIVE ASSOCIEE AUX ACHATS DE BILLETS PREIMPRIMES DISTRIBUES DANS PLUSIEURS ENDROITS PAR DES CAISSIERS**

[72] BRESLO, JAMES A., US

[72] BRESLO, WILLIAM F., US

[71] DIAMOND GAME ENTERPRISES, US

[22] 2016-08-10

[41] 2017-02-20

[30] US (62/207,602) 2015-08-20

[30] US (15/218,846) 2016-07-25

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[21] **2,938,506**  
[13] A1

[51] **Int.Cl. A63F 3/06 (2006.01) G07B 11/02 (2006.01)**  
[25] EN  
[54] **TICKET CHECKER FOR ACTIVATING WINNING PRE-PRINTED GAME TICKETS SO AS TO PERMIT REDEMPTION OF THE TICKETS**  
[54] **VERIFICATEUR DE BILLET SERVANT A ACTIVER LES BILLETS DE JEU PREIMPRIMES GAGNANTS DE SORTE A PERMETTRE LE REMBOURSEMENT DES BILLETS**  
[72] BRESLO, JAMES A., US  
[72] BRESLO, WILLIAM F., US  
[71] DIAMOND GAME ENTERPRISES, US  
[22] 2016-08-10  
[41] 2017-02-20  
[30] US (62/207,602) 2015-08-20  
[30] US (15/218,854) 2016-07-25

[21] **2,938,512**  
[13] A1

[51] **Int.Cl. E05F 15/73 (2015.01)**  
[25] EN  
[54] **OBJECT DETECTION SYSTEM**  
[54] **SYSTEME DE DETECTION D'OBJET**  
[72] FITZGIBBON, JAMES J., US  
[71] THE CHAMBERLAIN GROUP, INC., US  
[22] 2016-08-10  
[41] 2017-02-24  
[30] US (14/833,838) 2015-08-24

[21] **2,938,539**  
[13] A1

[51] **Int.Cl. G06Q 30/00 (2012.01) G07G 1/12 (2006.01)**  
[25] EN  
[54] **SYSTEM FOR REDUCING WAITING TIME**  
[54] **PROCEDE DE REDUCTION DU TEMPS D'ATTENTE**  
[72] SIVASANKARANNAR, OONNIKRISHNAN PULIYELIL, IN  
[72] KUMAR, PRALABH, IN  
[72] MANNA, SOURIT, IN  
[72] KABRA, PRANAV, IN  
[71] WAL-MART STORES, INC., US  
[22] 2016-08-10  
[41] 2017-02-19  
[30] US (62/206,886) 2015-08-19

[21] **2,938,546**  
[13] A1

[51] **Int.Cl. G06Q 30/06 (2012.01) G06K 7/10 (2006.01) G08B 21/02 (2006.01) H04B 5/00 (2006.01) G06K 19/07 (2006.01)**  
[25] EN  
[54] **NFC TO CUSTOMER PROFILE SYSTEMS AND METHODS**  
[54] **SYSTEMES ET METHODES DE PROFILAGE CCP-CLIENT**  
[72] WHITE, RICHARD ANDREW, US  
[72] CLARK, JIMMIE R., US  
[72] JOHNSON, CHRISTOPHER SOAMES, US  
[71] WAL-MART STORES, INC., US  
[22] 2016-08-10  
[41] 2017-02-21  
[30] US (62/208,214) 2015-08-21

[21] **2,938,553**  
[13] A1

[51] **Int.Cl. F25B 40/02 (2006.01) F25B 49/00 (2006.01)**  
[25] EN  
[54] **CARBON DIOXIDE COOLING SYSTEM WITH SUBCOOLING**  
[54] **SYSTEME DE REFROIDISSEMENT AU DIOXYDE DE CARBONE A REFROIDISSEMENT SECONDAIRE**  
[72] USELTON, ROBERT B., US  
[71] LENNOX INDUSTRIES INC., US  
[22] 2016-08-10  
[41] 2017-02-20  
[30] US (62/207,788) 2015-08-20  
[30] US (14/955,359) 2015-12-01

[21] **2,938,575**  
[13] A1

[51] **Int.Cl. A61F 13/08 (2006.01) A61B 5/107 (2006.01) A61F 13/06 (2006.01)**  
[25] EN  
[54] **METHOD FOR DETERMINING A SIZE GRID**  
[54] **METHODE DE DETERMINATION DE LA TAILLE D'UNE MAILLE**  
[72] BASSEZ, SOPHIE, FR  
[72] CROS, FRANCOIS, FR  
[71] LABORATOIRES INNOTHERA, FR  
[22] 2016-08-09  
[41] 2017-02-20  
[30] FR (15 57 843) 2015-08-20

[21] **2,938,593**  
[13] A1

[51] **Int.Cl. E01D 19/06 (2006.01) E01C 11/04 (2006.01) E01D 19/12 (2006.01)**  
[25] EN  
[54] **JOINT STRUCTURE AT END OF CONCRETE FLOOR SLAB OF BRIDGE**  
[54] **STRUCTURE DE JOINT A L'EXTREMITE D'UNE DALLE DE BETON DE TABLIER DE PONT**  
[72] MORII, NAOHARU, JP  
[71] BILD LAND CO., LTD., JP  
[22] 2016-08-11  
[41] 2017-02-25  
[30] JP (2015-166142) 2015-08-25

[21] **2,938,834**  
[13] A1

[51] **Int.Cl. A01K 1/00 (2006.01)**  
[25] EN  
[54] **FLEXIBLE NECKRAIL COUPLING**  
[54] **RACCORD DE LICE FLEXIBLE**  
[72] EARLS, MICHAEL, IE  
[71] EARLS, MICHAEL, IE  
[22] 2016-08-11  
[41] 2017-02-25  
[30] EP (15182426.5) 2015-08-25

[21] **2,939,010**  
[13] A1

[51] **Int.Cl. C07K 16/38 (2006.01) A61K 39/395 (2006.01) A61P 7/04 (2006.01) C12N 15/13 (2006.01)**  
[25] EN  
[54] **TISSUE FACTOR PATHWAY INHIBITOR ANTIBODIES**  
[54] **ANTICORPS INHIBITEURS DE VOIE DE FACTEUR TISSULAIRE**  
[72] APGAR, JAMES R., US  
[72] BENARD, SUSAN, US  
[72] CARVEN, GREGORY J., US  
[72] HETT, SUNITA R., US  
[72] HOLSTI, MATTHEW, US  
[72] JASUJA, REEMA, US  
[72] JIN, MACY, US  
[72] JUO, ZONG SEAN, US  
[72] PITTMAN, DEBRA, US  
[72] STAHL, MARK, US  
[71] PFIZER INC., US  
[22] 2016-08-16  
[41] 2017-02-19  
[30] US (62/207,229) 2015-08-19  
[30] US (62/360,205) 2016-07-08



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[13] A1

[51] **Int.Cl. H01P 1/383 (2006.01) H01Q 3/00 (2006.01)**  
[25] EN  
[54] **THREE-PORT VARIABLE POWER DIVIDER**  
[54] **REPARATITEUR DE PUISSANCE VARIABLE A TROIS PORTS**  
[72] KROENING, ADAM M., US  
[71] HONEYWELL INTERNATIONAL INC., US  
[22] 2016-08-16  
[41] 2017-02-19  
[30] US (14/830,219) 2015-08-19

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[21] **2,939,130**  
[13] A1

[51] **Int.Cl. H04B 1/3888 (2015.01)**  
[25] EN  
[54] **PROTECTIVE CASE FOR MOBILE ELECTRONIC COMMUNICATION DEVICE**  
[54] **BOITIER PROTECTEUR DESTINE A UN DISPOSITIF DE COMMUNICATION ELECTRONIQUE MOBILE**  
[72] FLORES, JESSE, US  
[72] LAKE, BRENDAN HINGSTON, HK  
[72] MCLEAN, DANIEL, HK  
[72] LI, JIACAI, HK  
[71] PELICAN PRODUCTS, INC., US  
[22] 2016-08-16  
[41] 2017-02-19  
[30] US (62/207362) 2015-08-19  
[30] US (62/210944) 2015-08-27  
[30] US (14/964352) 2015-12-09

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[21] **2,939,209**  
[13] A1

[51] **Int.Cl. H05K 7/14 (2006.01) H05K 5/02 (2006.01)**  
[25] EN  
[54] **CRADLE-CASE COMBINATION WITH MAGNETIC FASTENER FEATURE**  
[54] **COMBINAISON DE BERCEAU-BOITIER DOTE D'UNE FONCTIONNALITE DE FIXATION MAGNETIQUE**  
[72] SIRICHAJ, SARAHUT, TH  
[71] WORLD RICHMAN MANUFACTURING CORPORATION, US  
[22] 2016-08-17  
[41] 2017-02-19  
[30] US (14/830,470) 2015-08-19

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[13] A1

[51] **Int.Cl. H02K 7/14 (2006.01) H02K 5/02 (2006.01)**  
[25] EN  
[54] **UNIVERSAL DEVICE-HOLDING CASE CONSTRUCTION WITH MAGNETIC FASTENER FEATURE**  
[54] **CONSTRUCTION DE BOITIER DE MAINTIEN DE DISPOSITIF UNIVERSEL DOTE D'UNE CARACTERISTIQUE DE FIXATION MAGNETIQUE**  
[72] SIRICHAJ, SARAHUT, TH  
[71] WORLD RICHMAN MANUFACTURING CORPORATION, US  
[22] 2016-08-17  
[41] 2017-02-19  
[30] US (14/830,495) 2015-08-19

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[21] **2,939,255**  
[13] A1

[51] **Int.Cl. E06B 5/16 (2006.01) A62C 2/06 (2006.01) E06B 3/88 (2006.01) E06B 7/16 (2006.01)**  
[25] EN  
[54] **FIRE DOOR STOP SYSTEM**  
[54] **MECANISME D'ARRET DE PORTE COUPE-FEU**  
[72] NOBLE, CHARLES A., III, US  
[71] CROWN FIRE DOOR PRODUCTS, INC., US  
[22] 2016-08-18  
[41] 2017-02-19  
[30] US (14/830,350) 2015-08-19

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[21] **2,939,275**  
[13] A1

[51] **Int.Cl. A45D 8/14 (2006.01)**  
[25] EN  
[54] **HAIR STYLING UTENSIL**  
[54] **INSTRUMENT DE COIFFURE**  
[72] TRELLES-TVEDE, SOPHIE, DE  
[71] INVISIBOBBLE GMBH, DE  
[22] 2016-08-18  
[41] 2017-02-19  
[30] DE (10 2015 215 832.2) 2015-08-19

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[21] **2,939,272**  
[13] A1

[51] **Int.Cl. G08B 29/00 (2006.01) H04W 4/04 (2009.01)**  
[25] EN  
[54] **PROGNOSTICATING PANIC SITUATIONS AND PRE-SET PANIC NOTIFICATION IN A SECURITY SYSTEM**  
[54] **ETABLISSEMENT DE PRONOSTICS DE SITUATIONS DE PANIQUE ET D'AVIS DE PANIQUE DANS UN SYSTEME DE SECURITE**  
[72] SCARIA, NIKHIL, US  
[72] GAURAV, GALIB, US  
[72] K, CHAITHRA MANDANNA, US  
[72] PARASI, SUNIL, US  
[72] KRISHNAMURTHY, DIVYASHREE, US  
[71] HONEYWELL INTERNATIONAL INC., US  
[22] 2016-08-17  
[41] 2017-02-22  
[30] US (14/834,558) 2015-08-22

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[21] **2,939,274**  
[13] A1

[51] **Int.Cl. B25C 5/16 (2006.01) B25C 1/02 (2006.01) B25C 5/11 (2006.01)**  
[25] EN  
[54] **HAMMER TACKER**  
[54] **MARTEAU CLOUEUR**  
[72] PELLETIER, THOMAS, US  
[72] WU, KUN-TA, TW  
[71] STANLEY BLACK & DECKER, INC., US  
[22] 2016-08-18  
[41] 2017-02-24  
[30] US (15/235,055) 2016-08-11  
[30] US (62/209,138) 2015-08-24

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[21] **2,939,275**  
[13] A1

[51] **Int.Cl. A45D 8/14 (2006.01)**  
[25] EN  
[54] **HAIR STYLING UTENSIL**  
[54] **INSTRUMENT DE COIFFURE**  
[72] TRELLES-TVEDE, SOPHIE, DE  
[71] INVISIBOBBLE GMBH, DE  
[22] 2016-08-18  
[41] 2017-02-19  
[30] DE (10 2015 215 832.2) 2015-08-19

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[21] **2,939,280**  
[13] A1

[51] **Int.Cl. A61F 2/08 (2006.01)**  
[25] EN  
[54] **CARTILAGE-DERIVED  
IMPLANTS AND METHODS OF  
MAKING AND USING SAME**  
[54] **IMPLANTS DERIVES DE  
CARTILAGE ET METHODE DE  
FABRICATION ET  
D'UTILISATION**  
[72] NASERT, MICHAEL A., US  
[72] STOFFEL, FLORENCE, US  
[72] WILLIAMS, PAUL R., US  
[72] CALLAHAN, ALEX, US  
[71] MUSCULOSKELETAL  
TRANSPLANT FOUNDATION, US  
[22] 2016-08-18  
[41] 2017-02-19  
[30] US (62/207,146) 2015-08-19

[21] **2,939,285**  
[13] A1

[51] **Int.Cl. C12Q 1/02 (2006.01) C12N  
5/076 (2010.01) A01N 1/02 (2006.01)  
C12Q 1/06 (2006.01) G01N 33/48  
(2006.01)**  
[25] EN  
[54] **SPERM COUNT QUALITY  
CONTROLS**  
[54] **CONTROLES DE QUALITE DU  
COMPTE DE SPERMES**  
[72] HUNSLEY, BRAD, US  
[72] HORSTMAN, CATHY, US  
[72] MCCARTHY, KITTY, US  
[71] STRECK, INC., US  
[22] 2016-08-18  
[41] 2017-02-19  
[30] US (62/206919) 2015-08-19

[21] **2,939,294**  
[13] A1

[51] **Int.Cl. H04L 12/24 (2006.01) H04L  
12/26 (2006.01)**  
[25] EN  
[54] **NETWORK SERVICE INCIDENT  
PREDICTION**  
[54] **PREDICTION D'INCIDENT DE  
SERVICE DE RESEAU**  
[72] DUNCAN, PETER T., US  
[72] SAREEN, KUNDAN LAL, US  
[72] ADVANI, JAI, US  
[72] CHAKRABORTY, ARNAB D., IN  
[72] NAIR, VINITA V., IN  
[72] VENKATARAMAN, VINOTH, IN  
[71] ACCENTURE GLOBAL SERVICES  
LIMITED, IE  
[22] 2016-08-18  
[41] 2017-02-20  
[30] US (14/831,168) 2015-08-20

[21] **2,939,296**  
[13] A1

[51] **Int.Cl. E02B 11/00 (2006.01)**  
[25] EN  
[54] **DRAIN ASSISTING WATER  
FIXTURE**  
[54] **ROBINET ASSISTE PAR  
EVACUATION**  
[72] FOSTER, KEVIN J., CA  
[71] FOSTER, KEVIN J., CA  
[22] 2016-08-17  
[41] 2017-02-21  
[30] US (14/832,662) 2015-08-21

[21] **2,939,372**  
[13] A1

[51] **Int.Cl. F15C 3/02 (2006.01)**  
[25] EN  
[54] **SPOOL VALVE WITH SPECIAL  
METERING CONFIGURATION  
FOR HYDRAULIC VALVE MAIN  
CONTROL SPEED**  
[54] **DISTRIBUTEUR DOTE D'UNE  
CONFIGURATION DE DOSAGE  
SPECIALE DE LA VITESSE DE  
COMMANDE PRINCIPALE D'UNE  
VANNE HYDRAULIQUE**  
[72] GUARINO, JOSHUA MATTHEW, US  
[71] PARKER-HANNIFIN  
CORPORATION, US  
[22] 2016-08-12  
[41] 2017-02-20  
[30] US (62/207,628) 2015-08-20

[21] **2,939,406**  
[13] A1

[51] **Int.Cl. C02F 3/02 (2006.01) C02F 1/20  
(2006.01) C02F 1/42 (2006.01) C02F  
1/66 (2006.01) C02F 3/34 (2006.01)  
C02F 9/14 (2006.01)**  
[25] EN  
[54] **WASTEWATER TREATMENT  
SYSTEM**  
[54] **SYSTEME DE TRAITEMENT  
D'EAUX USEES**  
[72] SCROGGINS, DANNY LEE, CA  
[71] BLUMETRIC ENVIRONMENTAL  
INC., CA  
[22] 2016-08-19  
[41] 2017-02-20  
[30] US (62/207,754) 2015-08-20

[21] **2,939,412**  
[13] A1

[51] **Int.Cl. B60S 9/02 (2006.01) B62D  
53/06 (2006.01)**  
[25] EN  
[54] **TRAILER STABILIZER AND  
RESTRAINT**  
[54] **DISPOSITIF STABILISATEUR ET  
LIMITATEUR DE REMORQUE**  
[72] KIMENER, THOMAS TERRENCE,  
US  
[71] STABILOCK, LLC, US  
[22] 2016-08-19  
[41] 2017-02-19  
[30] US (62/206,869) 2015-08-19

[21] **2,939,436**  
[13] A1

[51] **Int.Cl. E01F 13/04 (2006.01) H04W  
4/00 (2009.01) G08C 17/02 (2006.01)**  
[25] EN  
[54] **APPLICATION SOFTWARE FOR  
MOVABLE BARRIER  
OPERATION**  
[54] **LOGICIEL D'APPLICATION  
DESTINE AU FONCTIONNEMENT  
DE BARRIERE MOBILE**  
[72] FITZGIBBON, JAMES J., US  
[71] THE CHAMBERLAIN GROUP, INC.,  
US  
[22] 2016-08-19  
[41] 2017-02-24  
[30] US (14/833,963) 2015-08-24

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[21] **2,939,454**  
 [13] A1

[51] **Int.Cl. A01K 7/00 (2006.01) A61D 99/00 (2006.01)**

[25] EN

[54] **A METHOD AND SYSTEM FOR MONITORING PREGNANCY TOXAEMIA**

[54] **METHODE ET SYSTEME DE SURVEILLANCE DE LA TOXEMIE GRAVIDIQUE**

[72] CARTON, BERNARD, BE

[71] CARTON, BERNARD, BE

[22] 2016-08-19

[41] 2017-02-21

[30] GB (1514918.0) 2015-08-21

[21] **2,939,523**  
 [13] A1

[51] **Int.Cl. F16K 37/00 (2006.01) E21B 34/02 (2006.01) F16K 1/32 (2006.01)**

[25] EN

[54] **CAGE VALVE WITH INSTRUMENTATION**

[54] **VANNE A CAGE EQUIPEE D'INSTRUMENT**

[72] BOHAYCHUK, LARRY J., CA

[72] FINLAYSON, DOUGLAS A., US

[71] MASTER FLO VALVE INC., CA

[22] 2016-08-18

[41] 2017-02-21

[30] US (62/208,459) 2015-08-21

[21] **2,939,701**  
 [13] A1

[51] **Int.Cl. A61F 13/08 (2006.01) A43B 7/22 (2006.01) A43B 17/02 (2006.01) A61F 13/06 (2006.01)**

[25] EN

[54] **ELASTIC VENOUS COMPRESSION ORTHOSIS**

[54] **ORTHESE DE COMPRESSION VEINEUSE ELASTIQUE**

[72] SLASKI, JEAN-PIERRE, FR

[71] LABORATOIRES INNOTHERA, FR

[22] 2016-08-19

[41] 2017-02-20

[30] FR (15 57 836) 2015-08-20

[21] **2,939,488**  
 [13] A1

[51] **Int.Cl. C12M 1/40 (2006.01) C12M 1/34 (2006.01) G01N 17/00 (2006.01) C12Q 1/00 (2006.01)**

[25] EN

[54] **BIOREACTOR FOR THE IN SITU STUDY OF MICROBIAL BIOFILMS INDUCING CORROSION ON METAL SURFACES**

[54] **BIOREACTEUR DESTINE A L'ETUDE SUR PLACE DE BIOFILMS MICROBIENS INDUISANT LA CORROSION SUR LES SURFACES METALLIQUES**

[72] ZAPATA PENASCO, NORMA ICOQUIH, MX

[72] FEBLES, VICENTE GARIBAY, MX

[72] GUERRERO, FLORENTINO LEYTE, MX

[72] PACHECO Y ALCALA, UBALDO SADOTT, MX

[72] MENDOZA PEREZ, JORGE ALBERTO, MX

[72] JUAREZ ROJO, JESUS EMMANUEL, MX

[71] INSTITUTO MEXICANO DEL PETROLEO, MX

[22] 2016-08-19

[41] 2017-02-20

[30] MX (MX/A/2015/010792) 2015-08-20

[21] **2,939,544**  
 [13] A1

[51] **Int.Cl. F16L 3/10 (2006.01) F16B 2/20 (2006.01)**

[25] EN

[54] **RELEASABLE HOLDER FOR CABLES AND CONDUIT**

[54] **SUPPORT AMOVIBLE POUR CABLES ET CONDUIT**

[72] GINTZ, WILLIAM GARY, US

[71] GINTZ, WILLIAM GARY, US

[22] 2016-08-18

[41] 2017-02-24

[30] US (62/209,213) 2015-08-24

[30] US (15/239,686) 2016-08-17

[21] **2,939,703**  
 [13] A1

[51] **Int.Cl. A61F 13/08 (2006.01) A61F 13/06 (2006.01)**

[25] EN

[54] **ELASTIC VENOUS COMPRESSION ORTHOSIS**

[54] **ORTHESE DE COMPRESSION VEINEUSE ELASTIQUE**

[72] SLASKI, JEAN-PIERRE, FR

[71] LABORATOIRES INNOTHERA, FR

[22] 2016-08-19

[41] 2017-02-20

[30] FR (15 57 839) 2015-08-20

[21] **2,939,591**  
 [13] A1

[51] **Int.Cl. B65B 5/04 (2006.01) A61J 7/00 (2006.01) B65B 47/04 (2006.01) B65D 75/36 (2006.01)**

[25] EN

[54] **PLURAL-MODE AUTOMATIC MEDICAMENT PACKAGING SYSTEM**

[54] **SYSTEME DE CONDITIONNEMENT DE MEDICAMENT AUTOMATIQUE MULTIMODE**

[72] CHUDY, DUANE S., US

[71] CHUDY GROUP, LLC, US

[22] 2016-08-22

[41] 2017-02-25

[30] US (62/209,659) 2015-08-25

[21] **2,939,705**  
 [13] A1

[51] **Int.Cl. H04N 21/433 (2011.01) G06F 12/0802 (2016.01)**

[25] EN

[54] **LOCAL CACHE MAINTENANCE FOR MEDIA CONTENT**

[54] **MAINTENANCE DE CACHE LOCAL DE CONTENU MEDIA**

[72] GILSON, ROSS, US

[72] YARNELL, DERIK, US

[71] COMCAST CABLE COMMUNICATIONS, LLC, US

[22] 2016-08-19

[41] 2017-02-21

[30] US (14/832,233) 2015-08-21

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[21] **2,939,707**  
[13] A1

[51] **Int.Cl. F02C 7/24 (2006.01) F02C 3/14 (2006.01) F23R 3/42 (2006.01)**

[25] EN

[54] **SYSTEM FOR SUPPRESSING ACOUSTIC NOISE WITHIN A GAS TURBINE COMBUSTOR**

[54] **SYSTEME DE SUPPRESSION DE BRUIT ACOUSTIQUE DANS UNE CHAMBRE DE COMBUSTION DE TURBINE A GAZ**

[72] KIM, KWANWOO, US

[72] HAN, FEI, US

[72] GRAHAM, OWEN, US

[71] GENERAL ELECTRIC COMPANY, US

[22] 2016-08-18

[41] 2017-02-25

[30] US (14/834,467) 2015-08-25

[21] **2,939,709**  
[13] A1

[51] **Int.Cl. F02C 7/28 (2006.01) C04B 41/85 (2006.01) C04B 41/86 (2006.01) C04B 41/87 (2006.01) F01D 9/02 (2006.01) C09K 3/10 (2006.01)**

[25] EN

[54] **COATED SEAL SLOT SYSTEMS FOR TURBOMACHINERY AND METHODS FOR FORMING THE SAME**

[54] **SYSTEMES DE FENTE DE JOINT REVETU DESTINES A LA TURBOMACHINERIE ET METHODES DE FORMAGE ASSOCIEES**

[72] BANCHERI, STEPHEN FRANCIS, US

[72] VENKATARAMANI, VENKAT SUBRAMANIAM, US

[72] KIRBY, GLEN HAROLD, US

[72] SARAWATE, NEELESH NANDKUMAR, US

[72] ANTOLINO, NICHOLAS EDWARD, US

[72] SEVINCER, EDIP, US

[72] MARIN, ANTHONY CHRISTOPHER, US

[71] GENERAL ELECTRIC COMPANY, US

[22] 2016-08-18

[41] 2017-02-25

[30] US (14/834,866) 2015-08-25

[21] **2,939,712**  
[13] A1

[51] **Int.Cl. B68G 5/00 (2006.01) A47C 7/02 (2006.01) A47C 27/10 (2006.01) A47C 31/00 (2006.01) B60N 2/52 (2006.01) B60N 2/58 (2006.01) B64D 11/06 (2006.01)**

[25] EN

[54] **ADJUSTABLE INTERFACE PRESSURE DEVICE**

[54] **DISPOSITIF DE PRESSION D'INTERFACE AJUSTABLE**

[72] MARAPPAN, BHARATH, IN

[72] KUPPAN, SKANDAN BERIKAI, IN

[71] GOODRICH AEROSPACE SERVICES PRIVATE LIMITED, IN

[22] 2016-08-19

[41] 2017-02-20

[30] IN (4365/CHE/2015) 2015-08-20

[21] **2,939,713**  
[13] A1

[51] **Int.Cl. A01B 33/10 (2006.01) A01B 33/00 (2006.01)**

[25] EN

[54] **ROLLING HARROW/ROLLER TILLAGE TOOL**

[54] **OUTIL DE TRAVAIL DU SOL A ROULEAU/HERSE ROULANTE**

[72] HILVERS, MICHAEL J., US

[72] STEFFAN, THOMAS, US

[72] GERDEMAN, SHAWN W., US

[71] UNVERFERTH MANUFACTURING COMPANY, INC., US

[22] 2016-08-19

[41] 2017-02-20

[30] US (62/207,538) 2015-08-20

[21] **2,939,714**  
[13] A1

[51] **Int.Cl. A01B 63/24 (2006.01) A01B 21/08 (2006.01) A01B 33/02 (2006.01)**

[25] EN

[54] **FARM IMPLEMENT FOR TILLING SOIL**

[54] **ACCESSOIRE AGRICOLE DE TRAVAIL DU SOL**

[72] HILVERS, MICHAEL J., US

[72] SMITH, DAVID R., US

[72] STEFFAN, THOMAS, US

[72] GERDEMAN, SHAWN W., US

[71] UNVERFERTH MANUFACTURING COMPANY, INC., US

[22] 2016-08-19

[41] 2017-02-20

[30] US (62/207,536) 2015-08-20

[21] **2,939,733**  
[13] A1

[51] **Int.Cl. C30B 13/28 (2006.01) C30B 13/24 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR DIRECT WRITING OF SINGLE CRYSTAL SUPER ALLOYS AND METALS**

[54] **APPAREIL ET METHODE D'ECRITURE DIRECTE DE SUPER ALLIAGES ET DE METAUX A UN CRISTAL**

[72] CARTER, WILLIAM THOMAS, US

[72] ROCKSTROH, TODD JAY, US

[72] KONITZER, DOUGLAS GERARD, US

[71] GENERAL ELECTRIC COMPANY, US

[22] 2016-08-18

[41] 2017-02-20

[30] US (14/830,759) 2015-08-20

[21] **2,939,735**  
[13] A1

[51] **Int.Cl. C23C 10/04 (2006.01) C23C 10/60 (2006.01)**

[25] EN

[54] **METHOD FOR ALTERING METAL SURFACES**

[54] **METHODE DE MODIFICATION DE SURFACES METALLIQUES**

[72] DIAL, LAURA CERULLY, US

[72] CARTER, WILLIAM THOMAS, US

[72] GIGLIOTTI, MICHAEL FRANCIS XAVIER, JR., US

[71] GENERAL ELECTRIC COMPANY, US

[22] 2016-08-18

[41] 2017-02-21

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[21] **2,939,740**  
[13] A1

[51] **Int.Cl. H02J 1/06 (2006.01) B64D 41/00 (2006.01) H02H 9/04 (2006.01) H02J 13/00 (2006.01)**

[25] EN

[54] **SYSTEMS, METHODS, AND DEVICES FOR BIPOLAR HIGH VOLTAGE DIRECT CURRENT ELECTRICAL POWER DISTRIBUTION**

[54] **SYSTEMES, METHODES ET DISPOSITIFS DE DISTRIBUTION D'ALIMENTATION ELECTRIQUE DE COURANT CONTINU HAUTE TENSION BIPOLAIRE**

[72] HANDY, PETER JAMES, GB

[71] GE AVIATION SYSTEMS LIMITED, GB

[22] 2016-08-18

[41] 2017-02-20

[30] GB (1514878.6) 2015-08-20

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[21] **2,939,744**  
[13] A1

[51] **Int.Cl. G09B 23/28 (2006.01) A61B 34/10 (2016.01) A61B 17/04 (2006.01)**

[25] EN

[54] **SUTURING TRAINING DEVICE AND METHOD**

[54] **DISPOSITIF D'ENTRAINEMENT A LA SUTURE ET METHODE**

[72] HOLLOWAY, DANIEL, CA

[71] UTI LIMITED PARTNERSHIP, CA

[22] 2016-08-19

[41] 2017-02-20

[30] US (62207464) 2015-08-20

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[21] **2,939,754**  
[13] A1

[51] **Int.Cl. B62K 27/12 (2006.01) B60D 1/28 (2006.01)**

[25] EN

[54] **COUPLING**

[54] **RACCORD**

[72] GRAY, ROGER, GB

[72] SCHNEIDER, GEORG, DE

[71] CROOZER GMBH, DE

[22] 2016-08-23

[41] 2017-02-24

[30] DE (10 2015 114 022.5) 2015-08-24

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[21] **2,939,795**  
[13] A1

[51] **Int.Cl. F16J 15/02 (2006.01)**

[25] EN

[54] **SEALING GLAND**

[54] **PRESSE-ETOUPE**

[72] HAYNES, ANDREW LEO, NZ

[72] MORROW, CHRISTOPHER CHARLES, NZ

[72] GIURGIU, GABRIEL IOAN, NZ

[71] LAKE PRODUCTS LIMITED, NZ

[22] 2016-08-23

[41] 2017-02-24

[30] NZ (711359) 2015-08-24

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[21] **2,939,808**  
[13] A1

[51] **Int.Cl. A61B 18/04 (2006.01) A61B 34/00 (2016.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR CONTROLLING CATHETER POWER BASED ON CONTACT FORCE**

[54] **SYSTEME ET METHODE DE CONTROLE D'ALIMENTATION DE CATHETER FONDEE SUR LA FORCE DE CONTACT**

[72] FANG, ITZHAK, US

[72] CONSTANTINE, GARTH, US

[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL

[22] 2016-08-23

[41] 2017-02-25

[30] US (14/835,413) 2015-08-25

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[21] **2,939,876**  
[13] A1

[51] **Int.Cl. H02G 3/08 (2006.01) H01R 13/74 (2006.01)**

[25] EN

[54] **FLOOR BOX ASSEMBLY WITH RETAINER**

[54] **ASSEMBLAGE DE BOITE DE PLANCHER DOTE D'UN MECANISME DE RETENUE**

[72] DEBARTOLO, JOSEPH V., US

[72] MORTUN, SORIN I., US

[72] DUMANI, EMIRCAN M., US

[71] HUBBELL INCORPORATED, US

[22] 2016-08-23

[41] 2017-02-25

[30] US (62/209,715) 2015-08-25

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[21] **2,939,997**  
[13] A1

[51] **Int.Cl. C05F 17/00 (2006.01) C05F 17/02 (2006.01)**

[25] EN

[54] **COMPOSTING METHOD**

[54] **METHODE DE COMPOSTAGE**

[72] HOATH, WILFRED F., CA

[71] HOATH, WILFRED F., CA

[22] 2016-08-24

[41] 2017-02-24

[30] US (62/209,025) 2015-08-24

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[21] **2,940,023**  
[13] A1

[51] **Int.Cl. H02P 27/08 (2006.01) G05F 1/66 (2006.01)**

[25] EN

[54] **POWER LIMITING FOR MOTOR CURRENT CONTROLLERS**

[54] **LIMITEUR DE PUISSANCE DESTINE AUX CONTROLEURS DE COURANT MOTEUR**

[72] MASTROCOLA, NAISON E., US

[72] SINGH, SAMEEP, US

[71] SIMMONDS PRECISION PRODUCTS, INC., US

[22] 2016-08-23

[41] 2017-02-24

[30] US (14/834,328) 2015-08-24

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[21] **2,940,147**  
[13] A1

[51] **Int.Cl. F04B 53/10 (2006.01) E21B 34/06 (2006.01) F04B 47/12 (2006.01) E21B 43/12 (2006.01)**

[25] EN

[54] **DART VALVE ASSEMBLY FOR A BYPASS PLUNGER**

[54] **VANNE A DARD DESTINEE A UN PISTON DE DERIVATION**

[72] BOYD, GARRETT S., US

[72] BOYD, MITCHELL A., US

[72] LEE, JOHN M., US

[72] WINFORD, GARRETT W., US

[71] FLOWCO PRODUCTION SOLUTIONS, LLC, US

[22] 2016-08-25

[41] 2017-02-25

[30] US (62/209,549) 2015-08-25

[30] US (15/245,740) 2016-08-24

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[21] **2,940,214**  
[13] A1

[51] **Int.Cl. E02F 3/88 (2006.01) B65F 3/00 (2006.01) E01H 1/08 (2006.01) E03F 7/10 (2006.01)**

[25] EN

[54] **VACUUM UNIT AND TRUCK WITH AIR AND WATER**

[54] **MODULE D'ASPIRATEUR ET CAMION A AIR ET EAU**

[72] BUCHLEITER, BRANDON R., US

[72] THOMAS, MARCUS A., US

[72] HALL, CHRISTOPHER R., US

[72] KLUESNER, DANIEL J., US

[72] HABROCK, JASON E., US

[71] PREMIER OILFIELD EQUIPMENT CO., US

[22] 2016-08-25

[41] 2017-02-25

[30] US (62/209,791) 2015-08-25

[21] **2,940,227**  
[13] A1

[51] **Int.Cl. F24J 2/05 (2006.01) H02S 40/44 (2014.01) F24J 2/30 (2006.01) F24J 2/34 (2006.01) F24J 2/46 (2006.01) F24J 2/50 (2006.01)**

[25] EN

[54] **HYBRID SOLAR COLLECTOR AND OPERATING PROCEDURE**

[54] **COLLECTEUR SOLAIRE HYBRIDE ET PROCEDURE DE FONCTIONNEMENT**

[72] FENT, GIUSEPPE, CH

[71] NELSON ARCHITECH GMBH, CH

[22] 2016-08-24

[41] 2017-02-25

[30] EP (15 405 053) 2015-08-25

[21] **2,952,210**  
[13] A1

[51] **Int.Cl. H04M 3/22 (2006.01) H04M 3/38 (2006.01)**

[25] EN

[54] **TELEPHONE SWITCHING SYSTEM, TELEPHONE SWITCHING METHOD, TELEPHONE SWITCHING PROGRAM, TELEPHONE SWITCHBOARD, AND MANAGEMENT TERMINAL**

[54] **SYSTEME DE COMMUTATION TELEPHONIQUE, METHODE DE COMMUTATION TELEPHONIQUE, PROGRAMME DE COMMUTATION TELEPHONIQUE, TABLEAU DE COMMUTATION TELEPHONIQUE ET TERMINAL DE GESTION**

[72] OKAMOTO, KENTAROH, JP

[71] NEC PLATFORMS, LTD., JP

[22] 2016-12-20

[41] 2017-02-23

[30] JP (2015-248403) 2015-12-21

[21] **2,952,374**  
[13] A1

[51] **Int.Cl. B66C 23/72 (2006.01) B66C 23/26 (2006.01)**

[25] EN

[54] **PREFABRICATED REUSABLE CONCRETE PEDESTAL ELEMENT**

[54] **ELEMENT DE SOCLE EN BETON, REUTILISABLE, PREFABRIQUE**

[72] SPRONKEN, JOHN R., CA

[71] SPRONKEN, JOHN R., CA

[22] 2016-12-21

[41] 2017-02-22

[21] **2,952,398**  
[13] A1

[51] **Int.Cl. G01N 15/06 (2006.01) G01F 1/74 (2006.01) G01N 33/24 (2006.01) G01T 1/167 (2006.01)**

[25] EN

[54] **ANALYZING OIL SAND STREAMS**

[54] **ANALYSE DE FLUX DE SABLES BITUMINEUX**

[72] LIU, YIJUN, US

[72] MARR, MICHAEL A., US

[72] SETH, ALOK R., US

[72] LENART, PHILIP J., US

[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US

[71] IMPERIAL OIL RESOURCES LIMITED, CA

[22] 2016-12-21

[41] 2017-02-22

[21] **2,952,491**  
[13] A1

[51] **Int.Cl. B64D 35/00 (2006.01) F16H 57/025 (2012.01) B64D 27/26 (2006.01)**

[25] EN

[54] **A MOUNTING ARRANGEMENT FOR MOUNTING A GEAR BOX OF A ROTORCRAFT TO A FUSELAGE OF A ROTORCRAFT**

[54] **UN DISPOSITIF D'INSTALLATION SERVANT A INSTALLER UNE BOITE D'ENGRENAGES D'UN GIRAVION AU FUSELAGE D'UN GIRAVION**

[72] STEGER, JUSTUS, DE

[72] WEHLE, CHRISTIAN, DE

[72] GUNN, HENRY, DE

[71] AIRBUS HELICOPTERS DEUTSCHLAND GMBH, DE

[22] 2016-12-20

[41] 2017-02-22

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[21] **2,952,552**

[13] A1

[51] **Int.Cl. B08B 9/093 (2006.01) B08B  
5/02 (2006.01)**

[25] EN

[54] **METHOD FOR WASHING  
SEVOFLURANE STORAGE  
CONTAINER AND METHOD FOR  
STORING SEVOFLURANE**

[54] **METHODE DE LAVAGE DE  
CONTENANT DE STOCKAGE DE  
SEVOFLURANE ET METHODE DE  
STOCKAGE DE SEVOFLURANE**

[72] IWAO, KATSUMI, JP

[72] YOSHIMURA, TAKAAKI, JP

[72] OONO, TOSHIHIKO, JP

[72] AKIBA, SHINYA, JP

[72] FUJIWARA, MASAKI, JP

[71] CENTRAL GLASS COMPANY,  
LIMITED, JP

[22] 2016-12-21

[41] 2017-02-23

[30] JP (2016-215676) 2016-11-02

[30] JP (2016-246253) 2016-12-20

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[13] A1  
[51] **Int.Cl. B65D 30/10 (2006.01)**  
[25] EN  
[54] **STAND-UP PLASTIC STORAGE BAG**  
[54] **SAC DE RANGEMENT EN PLASTIQUE A MAINTIEN VERTICAL**  
[72] PORCHIA, JOSE, US  
[72] BURGGREN, KEEGAN E., US  
[72] DAIS, BRIAN C., US  
[71] S.C. JOHNSON & SON, INC., US  
[85] 2016-07-07  
[86] 2015-09-01 (PCT/US2015/047937)  
[87] (2935500)  
[30] US (14/832,215) 2015-08-21

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[21] **2,946,999**  
[13] A1  
[51] **Int.Cl. B01D 17/04 (2006.01) C08J 3/03 (2006.01) C08L 61/20 (2006.01) C08L 97/02 (2006.01) C09K 3/18 (2006.01)**  
[25] EN  
[54] **BROKEN DISPERSION FOR HYDROPHOBICIZING LIGNOCELLULOSE-CONTAINING MATERIAL**  
[54] **DISPERSION ECLATEE D'HYDROPHOBISATION DE MATERIAU RENFERMANT DE LA LIGNOCELLULOSE**  
[72] KUNCINGER, THOMAS, AT  
[71] FRITZ EGGER GMBH & CO. OG, AT  
[85] 2016-10-31  
[86] 2016-05-07 (PCT/EP2016/065854)  
[87] (2946999)  
[30] DE (10 2015 113 775.5) 2015-08-19

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[13] A1  
[51] **Int.Cl. C07D 413/04 (2006.01) A01N 25/32 (2006.01) A01N 43/80 (2006.01) A01P 13/00 (2006.01)**  
[25] EN  
[54] **HERBICIDAL COMPOUNDS**  
[54] **COMPOSES HERBICIDES**  
[72] HENNESSY, ALAN JOSEPH, GB  
[72] MORRIS, JAMES ALAN, GB  
[72] PHADTE, MANGALA, IN  
[72] DESSON, TIMOTHY ROBERT, GB  
[72] GOODWIN-TINDALL, JAKE, GB  
[72] RUSSELL, SALLY ELIZABETH, GB  
[72] BOEHMER, JUTTA ELISABETH, GB  
[72] MOSELEY, DONN WARWICK, GB  
[71] SYNGENTA PARTICIPATIONS AG, CH  
[85] 2016-11-15  
[86] 2015-06-12 (PCT/EP2015/063229)  
[87] (WO2015/193202)  
[30] IN (1622/DEL/2014) 2014-06-16

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[13] A1  
[51] **Int.Cl. E06B 3/58 (2006.01) E06B 3/72 (2006.01) E06B 3/82 (2006.01)**  
[25] EN  
[54] **DOOR WITH FRAMELESS GLAZED UNIT, AND RELATED KIT AND METHODS**  
[54] **PORTE COMPRENANT UNE UNITE VITREE SANS CADRE, ET KIT ET PROCEDES ASSOCIES**  
[72] GOUGE, TIMOTHY D., US  
[72] VAIDYA, ABHISHEK, US  
[72] SWARTZMILLER, STEVEN B., US  
[72] WALSH, JASON M., US  
[72] ALLEN, ROBERT C., US  
[71] MASONITE CORPORATION, US  
[85] 2016-11-15  
[86] 2015-07-10 (PCT/US2015/039895)  
[87] (WO2016/007828)  
[30] US (62/023,284) 2014-07-11

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[21] **2,949,436**  
[13] A1  
[51] **Int.Cl. C07D 307/46 (2006.01)**  
[25] EN  
[54] **PROCESS FOR THE SELECTIVE OXIDATION OF 5-HYDROXYMETHYLFURFURAL**  
[54] **PROCEDE D'OXYDATION SELECTIVE DE 5-HYDROXYMETHYLFURFURAL**  
[72] MIHOVILOVIC, MARKO, AT  
[72] SCHON, MICHAEL, AT  
[72] DOCHEV, STEFAN, BG  
[71] ANNIKKI GMBH, AT  
[71] MICROINNOVA ENGINEERING GMBH, AT  
[85] 2016-11-17  
[86] 2015-06-17 (PCT/EP2015/063578)  
[87] (WO2015/193364)  
[30] EP (14172678.6) 2014-06-17

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[21] **2,949,519**  
[13] A1  
[51] **Int.Cl. E04D 5/10 (2006.01) B32B 11/10 (2006.01) D06N 5/00 (2006.01)**  
[25] EN  
[54] **HIGH-STRENGTH WIND-RESISTANT SKID-RESISTANT WATERPROOF UNDERLAYMENT**  
[54] **SOUS-COUCHE ETANCHE A RESISTANT ELEVEE, RESISTANT AU GLISSEMENT ET RESISTANT AU VENT**  
[72] SHEN, TENGFEI, CN  
[71] HANGZHOU EVERGREEN WATERPROOF MATERIAL CO., LTD, CN  
[85] 2016-09-21  
[86] 2016-05-24 (PCT/CN2016/083107)  
[87] (2949519)  
[30] CN (201520558084.0) 2015-07-28



## Demandes PCT entrant en phase nationale

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| <p style="text-align: right;">[21] <b>2,949,867</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. G06F 17/50 (2006.01) G06F 19/00 (2011.01)</b></p> <p>[25] EN</p> <p>[54] <b>ROUTE GENERATION PROGRAM, ROUTE GENERATION METHOD AND ROUTE GENERATION APPARATUS</b></p> <p>[54] <b>PROGRAMME DE PRODUCTION D'ITINERAIRE, METHODE DE PRODUCTION D'ITINERAIRE ET APPAREIL DE PRODUCTION D'ITINERAIRE</b></p> <p>[72] HIRAI, TAKAYUKI, JP</p> <p>[71] CYBERWALKER INC., JP</p> <p>[85] 2016-11-29</p> <p>[86] 2016-06-29 (PCT/JP2016/069252)</p> <p>[87] (2949867)</p> <p>[30] JP (2015-163192) 2015-08-20</p>                                                                                                                                                                                                                                                                                                                                                                                  | <p style="text-align: right;">[21] <b>2,950,046</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. A61K 39/395 (2006.01) A61N 5/10 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>METHODS OF CANCER TREATMENT WITH ANTAGONISTS AGAINST PD-1 AND PD-L1 IN COMBINATION WITH RADIATION THERAPY</b></p> <p>[54] <b>METHODES DE TRAITEMENT DU CANCER PAR DES ANTAGONISTES DE PD-1 ET PD-L1 EN ASSOCIATION AVEC UNE RADIOTHERAPIE</b></p> <p>[72] DOVEDI, SIMON, GB</p> <p>[72] ILLIDGE, TIM, GB</p> <p>[72] STEWART, ROSS, GB</p> <p>[72] MORROW, MICHELLE, GB</p> <p>[72] WILKINSON, ROBERT, GB</p> <p>[72] POON, EDMUND, GB</p> <p>[71] MEDIMMUNE LIMITED, GB</p> <p>[85] 2016-11-23</p> <p>[86] 2015-06-17 (PCT/EP2015/063552)</p> <p>[87] (WO2015/193352)</p> <p>[30] US (62/013,157) 2014-06-17</p> | <p style="text-align: right;">[21] <b>2,950,389</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. B01D 53/02 (2006.01) C07C 17/389 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>PROCESS FOR PURIFYING (HYDRO)FLUOROPROPENES CONTAMINATED WITH HALOGENATED ETHANE</b></p> <p>[54] <b>PROCEDE DE PURIFICATION DE (HYDRO)FLUOROPROPENES CONTAMINES PAR DE L'ETHANE HALOGENE</b></p> <p>[72] SHARRATT, ANDREW, GB</p> <p>[72] LOW, ROBERT, GB</p> <p>[71] MEXICHEM FLUOR S.A. DE C.V., MX</p> <p>[85] 2016-11-25</p> <p>[86] 2015-06-09 (PCT/GB2015/051671)</p> <p>[87] (WO2015/189585)</p> <p>[30] GB (1410174.5) 2014-06-09</p>                        |
| <p style="text-align: right;">[21] <b>2,949,984</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. G01N 35/08 (2006.01) C12M 1/34 (2006.01) C12M 1/36 (2006.01) C12M 1/38 (2006.01) C12Q 1/68 (2006.01) G01N 1/28 (2006.01) G01N 33/48 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>SYSTEMS AND METHODS FOR BIOCHEMICAL ANALYSIS INCLUDING A BASE INSTRUMENT AND A REMOVABLE CARTRIDGE</b></p> <p>[54] <b>SYSTEMES ET PROCEDES D'ANALYSE BIOCHIMIQUE COMPRENANT UN INSTRUMENT DE BASE ET UNE CARTOUCHE AMOVIBLE</b></p> <p>[72] ARAVANIS, ALEX, US</p> <p>[72] BOYANOV, BOYAN, US</p> <p>[72] BOWEN, M. SHANE, US</p> <p>[72] BUERMANN, DALE, US</p> <p>[72] HSIAO, ALEXANDER, US</p> <p>[72] JAVANMARDI, BEHNAM, US</p> <p>[72] KHURANA, TARUN, US</p> <p>[72] SABOUNCHI, POORYA, US</p> <p>[72] TRAN, HAI QUANG, US</p> <p>[71] ILLUMINA, INC., US</p> <p>[85] 2016-11-22</p> <p>[86] 2015-05-27 (PCT/US2015/032545)</p> <p>[87] (WO2015/183871)</p> <p>[30] US (62/003,264) 2014-05-27</p> | <p style="text-align: right;">[21] <b>2,950,144</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. B01D 46/02 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>AIR FILTER BAG</b></p> <p>[54] <b>SAC FILTRANT POUR L'AIR</b></p> <p>[72] MORISON, PAMELA MARIE, US</p> <p>[72] FUKUDA, EIRO, US</p> <p>[72] GRUENBACHER, DANA PAUL, US</p> <p>[72] COMSTOCK, BRYAN GABRIEL, US</p> <p>[71] THE PROCTER &amp; GAMBLE COMPANY, US</p> <p>[85] 2016-11-23</p> <p>[86] 2015-06-01 (PCT/US2015/033486)</p> <p>[87] (WO2015/191318)</p> <p>[30] US (62/010,015) 2014-06-10</p>                                                                                                                                                                                                                                                                        | <p style="text-align: right;">[21] <b>2,950,397</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. A61F 2/04 (2013.01) A61F 2/02 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>ARTIFICIAL SPHINCTER</b></p> <p>[54] <b>SPHINCTER ARTIFICIEL</b></p> <p>[72] SAMBUSSETI, ANTONIO, IT</p> <p>[72] CANCARINI, GIANNI, IT</p> <p>[71] SAMBUSSETI, ANTONIO, IT</p> <p>[71] CANCARINI, GIANNI, IT</p> <p>[85] 2016-11-25</p> <p>[86] 2015-06-08 (PCT/IB2015/054320)</p> <p>[87] (WO2015/198179)</p> <p>[30] IT (MI2014A001175) 2014-06-27</p>                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <p style="text-align: right;">[21] <b>2,950,586</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. B03B 9/00 (2006.01) C10L 9/00 (2006.01) C21B 5/00 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>FINE PARTICLE COAL, AND SYSTEMS, APPARATUSES, AND METHODS FOR COLLECTING AND USING THE SAME</b></p> <p>[54] <b>CHARBON A PARTICULES FINES ET SYSTEMES, APPAREILS ET PROCEDES PERMETTANT DE LE RECUEILLIR ET DE L'UTILISER</b></p> <p>[72] TROIANO, RICHARD, US</p> <p>[71] SOMERSET COAL INTERNATIONAL, US</p> <p>[85] 2016-11-28</p> <p>[86] 2015-05-28 (PCT/US2015/032878)</p> <p>[87] (WO2015/187450)</p> <p>[30] US (62/008,389) 2014-06-05</p> |

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[21] **2,950,896**  
[13] A1

[51] **Int.Cl. D06F 39/10 (2006.01) D06F 39/08 (2006.01)**

[25] EN

[54] **LAUNDRY RECIRCULATION AND FILTRATION SYSTEM**

[54] **SYSTEME DE FILTRATION DE RECIRCULATION POUR LE LAVAGE DU LINGE**

[72] BUTTERWORTH, FRANK L., US

[71] BUTTERWORTH INDUSTRIES, INC., US

[85] 2016-11-30

[86] 2015-06-03 (PCT/US2015/000064)

[87] (WO2015/187203)

[30] US (61/997,518) 2014-06-03

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[21] **2,951,101**  
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A24D 1/00 (2006.01) A61M 11/00 (2006.01)**

[25] EN

[54] **AEROSOL-FORMING CARTRIDGE COMPRISING A LIQUID NICOTINE SOURCE**

[54] **CARTOUCHE DE FORMATION D'AEROSOL COMPORTANT UNE SOURCE DE NICOTINE LIQUIDE**

[72] BATISTA, RUI NUNO, CH

[72] HEDARCHET, STEPHANE, CH

[71] PHILIP MORRIS PRODUCTS S.A., CH

[85] 2016-12-02

[86] 2015-07-09 (PCT/EP2015/065767)

[87] (WO2016/005530)

[30] EP (14176828.3) 2014-07-11

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[21] **2,951,103**  
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A24D 1/00 (2006.01) A61M 11/00 (2006.01)**

[25] EN

[54] **AEROSOL-FORMING CARTRIDGE WITH PROTECTIVE FOIL**

[54] **CARTOUCHE GENERATRICE D'AEROSOL COMPORTANT UN FEUILLET PROTECTEUR**

[72] BATISTA, RUI NUNO, CH

[71] PHILIP MORRIS PRODUCTS S.A., CH

[85] 2016-12-02

[86] 2015-07-09 (PCT/EP2015/065768)

[87] (WO2016/005531)

[30] EP (14176830.9) 2014-07-11

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[21] **2,951,105**  
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A24D 1/00 (2006.01) A61M 11/00 (2006.01)**

[25] EN

[54] **AEROSOL-FORMING CARTRIDGE COMPRISING A TOBACCO-CONTAINING MATERIAL**

[54] **CARTOUCHE DE FORMATION D'AEROSOL COMPORTANT UN MATERIAU CONTENANT DU TABAC**

[72] BATISTA, RUI NUNO, CH

[71] PHILIP MORRIS PRODUCTS S.A., CH

[85] 2016-12-02

[86] 2015-07-09 (PCT/EP2015/065770)

[87] (WO2016/005533)

[30] EP (14176827.5) 2014-07-11

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[21] **2,951,156**  
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 19/02 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **METHODS OF TREATING CONDITIONS WITH ANTIBODIES THAT BIND COLONY STIMULATING FACTOR 1 RECEPTOR (CSF1R)**

[54] **METHODES DE TRAITEMENT D'ETATS PATHOLOGIQUES AVEC DES ANTICORPS SE LIANT AU RECEPTEUR DU FACTEUR 1 DE STIMULATION DES COLONIES (CSF1R)**

[72] HAMBLETON, JULIE, US

[72] MASTELLER, EMMA, US

[72] ZANGHI, JAMES, US

[72] SIKORSKI, ROBERT, US

[72] XIANG, HONG, US

[71] FIVE PRIME THERAPEUTICS, INC., US

[85] 2016-12-02

[86] 2015-06-18 (PCT/US2015/036419)

[87] (WO2015/200089)

[30] US (62/015,710) 2014-06-23

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[21] **2,951,200**  
[13] A1

[51] **Int.Cl. B01J 20/22 (2006.01)**

[25] EN

[54] **METAL-ORGANIC FRAMEWORKS**

[54] **STRUCTURES A SQUELETTES ORGANOMETALLIQUES**

[72] GARCIA, JOSE DE JESUS VELAZQUEZ, GB

[72] BENNETT, THOMAS DOUGLAS, GB

[72] FAIREN-JIMENEZ, DAVID, GB

[72] TIAN, TIAN, GB

[71] CAMBRIDGE ENTERPRISE LIMITED, GB

[85] 2016-12-05

[86] 2015-06-09 (PCT/GB2015/051688)

[87] (WO2015/189599)

[30] GB (1410297.4) 2014-06-10

[30] GB (1422479.4) 2014-12-17

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[21] **2,951,348**  
[13] A1

[51] **Int.Cl. C07D 207/404 (2006.01) C07D 207/06 (2006.01) C12Q 1/68 (2006.01) G01N 30/72 (2006.01)**

[25] EN

[54] **ISOBARIC MASS LABELS**

[54] **MARQUEURS DE MASSE ISOBARIQUES**

[72] THOMPSON, ANDREW HUGIN, GB

[72] KIENLE, STEFAN, DE

[72] KUHN, KARSTEN, DE

[72] WOLLMER, NIKOLAI, DE

[71] ELECTROPHORETICS LIMITED, GB

[85] 2016-12-06

[86] 2015-06-12 (PCT/EP2015/063224)

[87] (WO2015/189413)

[30] GB (1410523.3) 2014-06-12

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[21] **2,951,354**  
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A24D 1/00 (2006.01) A61M 11/00 (2006.01)**  
[25] EN  
[54] **AEROSOL-GENERATING SYSTEM WITH IMPROVED AIR FLOW CONTROL**  
[54] **SYSTEME DE GENERATION D'AEROSOL A REGULATION D'ECOULEMENT D'AIR AMELIOREE**  
[72] BATISTA, RUI NUNO, CH  
[72] ZINOVIK, IHAR NIKOLAEVICH, CH  
[72] FERNANDO, KEETHAN DASNAVIS, CH  
[72] HEDARCHET, STEPHANE, CH  
[71] PHILIP MORRIS PRODUCTS S.A., CH  
[85] 2016-12-06  
[86] 2015-07-10 (PCT/EP2015/065911)  
[87] (WO2016/005600)  
[30] EP (14176832.5) 2014-07-11

[21] **2,951,361**  
[13] A1

[51] **Int.Cl. B03D 1/02 (2006.01) B03D 1/14 (2006.01) B03D 1/24 (2006.01) C22B 3/00 (2006.01)**  
[25] EN  
[54] **ENHANCED METHOD AND ARRANGEMENT FOR GAS REGULATION IN MINERAL FLOTATION**  
[54] **PROCEDE ET AGENCEMENT PERFECTIONNES POUR REGULATION DE GAZ EN FLOTTATION MINERALE**  
[72] LAKANEN, JUKKA, FI  
[72] GRAU, RODRIGO, FI  
[72] MIINALAINEN, KAISA, FI  
[71] OUTOTEC (FINLAND) OY, FI  
[85] 2016-12-06  
[86] 2015-06-11 (PCT/FI2015/050417)  
[87] (WO2015/189474)  
[30] FI (20145543) 2014-06-12

[21] **2,951,365**  
[13] A1

[51] **Int.Cl. C07F 9/10 (2006.01)**  
[25] EN  
[54] **PROCESS FOR THE PURIFICATION OF L-ALPHA-GLYCEROPHOSPHORYLCHOLINE**  
[54] **PROCEDE DE PURIFICATION DE L-ALPHA-GLYCEROPHOSPHORYLCHOLINE**  
[72] DE FERRA, LORENZO, IT  
[72] ANIBALDI, MAURO, IT  
[72] ZENONI, MAURIZIO, IT  
[72] COCCHI, FABRIZIO, IT  
[71] CHEMI SPA, IT  
[85] 2016-12-06  
[86] 2015-06-09 (PCT/IB2015/054346)  
[87] (WO2015/189766)  
[30] IT (MI2014A001053) 2014-06-10

[21] **2,951,396**  
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A24D 1/00 (2006.01) A61M 11/00 (2006.01) A61M 15/06 (2006.01)**  
[25] EN  
[54] **AEROSOL-GENERATING SYSTEM COMPRISING A REMOVABLE HEATER**  
[54] **SYSTEME DE GENERATION D'AEROSOL COMPRENANT UN DISPOSITIF DE CHAUFFAGE AMOVIBLE**  
[72] BATISTA, RUI NUNO, CH  
[72] HEDARCHET, STEPHANE, CH  
[71] PHILIP MORRIS PRODUCTS S.A., CH  
[85] 2016-12-06  
[86] 2015-07-10 (PCT/EP2015/065912)  
[87] (WO2016/005601)  
[30] EP (14176829.1) 2014-07-11

[21] **2,951,403**  
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A24D 1/00 (2006.01) A61M 11/00 (2006.01)**  
[25] EN  
[54] **AEROSOL-GENERATING SYSTEM COMPRISING CARTRIDGE DETECTION**  
[54] **SYSTEME DE GENERATION D'AEROSOL COMPRENANT UNE DETECTION DE CARTOUCHE**  
[72] BATISTA, RUI NUNO, CH  
[71] PHILIP MORRIS PRODUCTS S.A., CH  
[85] 2016-12-06  
[86] 2015-07-10 (PCT/EP2015/065913)  
[87] (WO2016/005602)  
[30] EP (14176826.7) 2014-07-11

[21] **2,951,413**  
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01)**  
[25] EN  
[54] **DEVICE, SYSTEM, AND METHOD FOR TREATING A REGURGITANT HEART VALVE**  
[54] **DISPOSITIF, SYSTEME ET METHODE UTILISES POUR TRAITER UNE REGURGITATION VALVULAIRE**  
[72] NAVIA, JOSE L., US  
[72] KAPADIA, SAMIR, US  
[71] THE CLEVELAND CLINIC FOUNDATION, US  
[85] 2016-12-06  
[86] 2015-06-12 (PCT/US2015/035459)  
[87] (WO2015/191946)  
[30] US (62/011,294) 2014-06-12

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[21] **2,951,416**  
[13] A1

[51] **Int.Cl. C12N 9/12 (2006.01) C12N 15/54 (2006.01) C12P 19/14 (2006.01) C12Q 1/68 (2006.01)**

[25] EN

[54] **MODIFIED POLYMERASES FOR IMPROVED INCORPORATION OF NUCLEOTIDE ANALOGUES**

[54] **POLYMERASES MODIFIEES POUR L'INCORPORATION AMELIOREE D'ANALOGUES NUCLEOTIDIQUES**

[72] CHEN, CHENG-YAO, US

[72] BOMATI, ERIN, US

[72] HE, MOLLY, US

[71] ILLUMINA, INC., US

[85] 2016-12-06

[86] 2015-06-25 (PCT/US2015/037785)

[87] (WO2015/200693)

[30] US (62/018,470) 2014-06-27

[21] **2,951,471**  
[13] A1

[51] **Int.Cl. A62B 1/14 (2006.01)**

[25] FR

[54] **APPARATUS FOR SUSPENDING A LOAD ON A ROPE**

[54] **APPAREIL DE SUSPENSION D'UNE CHARGE A UN FILIN**

[72] OLLIVIER, PASCAL, FR

[71] TAZ, FR

[85] 2016-12-07

[86] 2015-06-02 (PCT/EP2015/062207)

[87] (WO2015/189066)

[30] FR (1455283) 2014-06-11

[21] **2,951,483**  
[13] A1

[51] **Int.Cl. A61K 9/72 (2006.01) A61K 9/14 (2006.01) A61K 31/167 (2006.01) A61K 31/40 (2006.01) A61K 31/573 (2006.01) A61P 11/00 (2006.01) A61P 11/06 (2006.01)**

[25] EN

[54] **INHALATION PARTICLES COMPRISING A COMBINATION OF AN ANTICHOLINERGIC, A CORTICOSTEROID AND A BETA-ADRENERGIC**

[54] **PARTICULES D'INHALATION COMPRENANT UNE COMBINAISON D'UN ANTICHOLINERGIQUE, D'UN CORTICOSTEROIDE ET D'UN BETA-ADRENERGIQUE**

[72] MIOZZI, MICHELE, IT

[72] ROUSE, TIMOTHY J., IT

[72] BRAMBILLA, GAETANO, IT

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

[85] 2016-12-07

[86] 2015-06-09 (PCT/EP2015/062764)

[87] (WO2015/189168)

[30] EP (14171644.9) 2014-06-09

[21] **2,951,497**  
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/5025 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **IMIDAZOPYRIDAZINE DERIVATIVES AS MODULATORS OF THE GABAA RECEPTOR ACTIVITY**

[54] **DERIVES D'IMIDAZOPYRIDAZINE UTILISES COMME MODULATEURS DE L'ACTIVITE DES RECEPTEURS GABAA**

[72] OWEN, ROBERT MCKENZIE, GB

[72] PRYDE, DAVID CAMERON, GB

[72] TAKEUCHI, MIFUNE, GB

[72] WATSON, CHRISTINE ANNE LOUISE, GB

[71] PFIZER LIMITED, GB

[85] 2016-12-07

[86] 2015-06-03 (PCT/IB2015/054200)

[87] (WO2015/189744)

[30] US (62/011,137) 2014-06-12

[21] **2,951,504**  
[13] A1

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

[25] EN

[54] **PYRAZOLOPYRIMIDINE DERIVATIVES USEFUL AS INHIBITORS OF BRUTON'S TYROSINE KINASE**

[54] **DERIVES DE PYRAZOLOPYRIMIDINE UTILES COMME INHIBITEURS DE LA TYROSINE KINASE DE BRUTON**

[72] CALDER, MATHEW, GB

[72] GUISOT, NICOLAS E. S., GB

[71] REDX PHARMA PLC, GB

[85] 2016-12-07

[86] 2015-06-11 (PCT/GB2015/051719)

[87] (WO2015/189620)

[30] GB (1410430.1) 2014-06-11

[21] **2,951,511**  
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A24D 1/00 (2006.01) A61M 15/06 (2006.01)**

[25] EN

[54] **VAPORIZER ASSEMBLY**

[54] **ENSEMBLE VAPORISATEUR**

[72] BUCHBERGER, HELMUT, AT

[72] DICKENS, COLIN JOHN, GB

[71] BATMARK LIMITED, GB

[85] 2016-12-07

[86] 2015-06-25 (PCT/GB2015/051845)

[87] (WO2015/198049)

[30] GB (1411483.9) 2014-06-27

[21] **2,951,521**  
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 51/04 (2006.01) C07B 59/00 (2006.01) C07D 401/04 (2006.01) C07D 405/14 (2006.01) C07D 417/14 (2006.01)**

[25] EN

[54] **RADIOLABELED COMPOUNDS**

[54] **COMPOSES RADIOMARQUES**

[72] KOIKE, TATSUKI, JP

[72] IKEDA, SHUHEI, JP

[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP

[85] 2016-12-07

[86] 2015-06-08 (PCT/JP2015/067100)

[87] (WO2015/190613)

[30] US (62/009,526) 2014-06-09

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[13] A1

[51] **Int.Cl. H04W 74/04 (2009.01) H04W 72/12 (2009.01) H04B 17/318 (2015.01)**

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[54] **RADIO ACCESS NETWORKS**

[54] **RESEAUX D'ACCES RADIO**

[72] BARABELL, ARTHUR J., US

[72] EYUBOGLU, VEDAT, US

[72] MAHALINGAM, NAGI JAYARAMAN, GB

[72] RAGHOTHAMAN, BALAJI, US

[72] SANDBERG, STUART, US

[72] AHMADI, SASSAN, US

[71] AIRVANA LP, US

[85] 2016-12-07

[86] 2015-06-09 (PCT/US2015/034829)

[87] (WO2015/191530)

[30] US (62/009,653) 2014-06-09

[30] US (62/051,212) 2014-09-16

[21] **2,951,565**  
[13] A1

[51] **Int.Cl. A61K 31/439 (2006.01) G06F 19/10 (2011.01) C07K 7/00 (2006.01) C07K 7/56 (2006.01) G01N 33/483 (2006.01) G01N 33/58 (2006.01)**

[25] EN

[54] **REACTIVITY-BASED SCREENING FOR NATURAL PRODUCT DISCOVERY**

[54] **CRIBLAGE FONDE SUR LA REACTIVITE UTILISABLE EN VUE DE LA DECOUVERTE DE PRODUITS NATURELS**

[72] MITCHELL, DOUGLAS A., US

[72] TIETZ, JONATHAN, US

[71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, US

[85] 2016-12-07

[86] 2015-06-10 (PCT/US2015/035215)

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[30] US (62/010,280) 2014-06-10

[21] **2,951,567**  
[13] A1

[51] **Int.Cl. A61K 31/205 (2006.01) A61P 21/00 (2006.01) A61P 39/06 (2006.01)**

[25] EN

[54] **METHOD FOR DECREASING SKELETAL MUSCLE DAMAGE AND/OR OXIDATIVE STRESS IN MAMMALS**

[54] **METHODE POUR DIMINUER LES LESIONS DES MUSCLES SQUELETTIQUES ET/OU LE STRESS OXYDATIF CHEZ LES MAMMIFERES**

[72] LOPEZ, JOHNNY, US

[72] OWEN, KEVIN, US

[72] WOODWORTH, JASON, US

[72] COON, CRAIG, US

[72] COLLINGS, GEORGE, US

[71] LONZA INC., US

[85] 2016-12-07

[86] 2015-06-11 (PCT/US2015/035286)

[87] (WO2015/191827)

[30] US (62/011,345) 2014-06-12

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[21] **2,951,571**  
[13] A1

[51] **Int.Cl. B01J 37/02 (2006.01) B05C 7/04 (2006.01) F01N 3/28 (2006.01)**

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[54] **APPARATUS FOR COATING A SUBSTRATE**

[54] **APPAREIL POUR LE REVETEMENT D'UN SUBSTRAT**

[72] MASSON, STEPHANE, FR

[71] UMICORE AG & CO. KG, DE

[85] 2016-12-08

[86] 2015-06-09 (PCT/EP2015/062767)

[87] (WO2015/189171)

[30] EP (14171938.5) 2014-06-11

[21] **2,951,581**  
[13] A1

[51] **Int.Cl. B30B 9/12 (2006.01) B30B 9/26 (2006.01)**

[25] EN

[54] **SCREW PRESS FOR COMPRESSING AND DEWATERING A SUSPENSION**

[54] **PRESSE A VIS SANS FIN POUR COMPRIMER ET DESHYDRATER UNE SUSPENSION**

[72] OERTIG, MICHAEL, CH

[72] GSPONER, PATRIK DANIEL, CH

[72] SCHMIDT, DANIEL, CH

[71] HITACHI ZOSEN INOVA AG, CH

[85] 2016-12-08

[86] 2015-06-10 (PCT/EP2015/062937)

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[21] **2,951,587**  
[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01) G06F 19/10 (2011.01)**

[25] EN

[54] **METHOD FOR SELECTING PERSONALIZED TRI-THERAPY FOR CANCER TREATMENT**

[54] **METHODE DE SELECTION DE TRI-THERAPIE PERSONNALISEE POUR LE TRAITEMENT DU CANCER**

[72] LAZAR, VLADIMIR, FR

[71] WORLDWIDE INNOVATIVE NETWORK, FR

[85] 2016-12-08

[86] 2015-06-15 (PCT/EP2015/063263)

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[13] A1

[51] **Int.Cl. A61K 47/68 (2017.01) A61K 38/20 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) C07K 14/55 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**

[25] EN

[54] **COMBINATION THERAPY OF TUMOR-TARGETED IL-2 VARIANT IMMUNOCYTOKINES AND ANTIBODIES AGAINST HUMAN PD-L1**

[54] **THERAPIE COMBINATOIRE D'IMMUNOCYTOKINES A VARIANT DE L'IL -2 CIBLEES THERAPIE TUMORALE ET D'ANTICORPS ANTI-PD-L1 HUMAINE**

[72] UMANA, PABLO, CH  
[72] KLEIN, CHRISTIAN, CH  
[72] NICOLINI, VALERIA G., CH  
[71] F.HOFFMANN-LA ROCHE AG, CH  
[85] 2016-12-08  
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[87] (WO2016/030350)  
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[21] **2,951,609**  
[13] A1

[51] **Int.Cl. C07K 16/46 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **MULTISPECIFIC ANTIBODY CONSTRUCTS**

[54] **CONSTRUCTIONS D'ANTICORPS MULTI-SPECIFIQUES**

[72] BHATTA, PALLAVI, GB  
[72] DAVE, EMMA, GB  
[72] HEYWOOD, SAM PHILIP, GB  
[72] HUMPHREYS, DAVID PAUL, GB  
[71] UCB BIOPHARMA SPRL, BE  
[85] 2016-12-08  
[86] 2015-06-25 (PCT/EP2015/064409)  
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[30] GB (1411320.3) 2014-06-25

[21] **2,951,646**  
[13] A1

[51] **Int.Cl. B05B 7/08 (2006.01)**

[25] EN

[54] **NOZZLE ASSEMBLY WITH EXTERNAL BAFFLES**

[54] **ENSEMBLE FORMANT BUSE AVEC CHICANES INTERNES**

[72] SCHEIBNER, JOHN B., US  
[72] SILTBERG, DANIEL, US  
[71] 3M INNOVATIVE PROPERTIES COMPANY, US  
[85] 2016-12-08  
[86] 2015-06-01 (PCT/US2015/033581)  
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[21] **2,951,683**  
[13] A1

[51] **Int.Cl. C12Q 1/37 (2006.01) G01N 33/50 (2006.01) G01N 33/573 (2006.01)**

[25] EN

[54] **METHODOLOGIES FOR MEASURING ISOPEPTIDASE ACTIVITY IN BIOLOGICAL SAMPLES IN A HIGH THROUGHPUT MANNER**

[54] **METHODOLOGIES DE MESURE DE L'ACTIVITE DE L'ISOPEPTIDASE DANS DES ECHANTILLONS BIOLOGIQUES A HAUT RENDEMENT**

[72] JACQ, XAVIER, GB  
[72] GUERANGER, QUENTIN, GB  
[72] HARRIGAN, JEANINE ANN, GB  
[71] MISSION THERAPEUTICS LIMITED, GB  
[85] 2016-12-08  
[86] 2015-06-15 (PCT/GB2015/051752)  
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[30] GB (1410653.8) 2014-06-14

[21] **2,951,712**  
[13] A1

[51] **Int.Cl. C12Q 3/00 (2006.01) C12M 1/34 (2006.01) C12M 1/36 (2006.01)**

[25] EN

[54] **AUTOMATED CELL CULTURE SYSTEM AND CORRESPONDING METHODS**

[54] **SYSTEME DE CULTURE DE CELLULES AUTOMATISE ET PROCEDES ASSOCIES**

[72] BEIGHLEY, ROSS, US  
[72] TANG-SCHOMER, MIN, US  
[71] BEIGHLEY, ROSS, US  
[71] CONNECTICUT CHILDREN'S MEDICAL CENTER, US  
[85] 2016-12-08  
[86] 2015-06-19 (PCT/US2015/036708)  
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[30] US (62/015,025) 2014-06-20

[21] **2,951,725**  
[13] A1

[51] **Int.Cl. A61K 9/06 (2006.01) A61K 31/4174 (2006.01) A61K 47/14 (2017.01) A61P 17/00 (2006.01)**

[25] EN

[54] **STABILIZED OXYMETAZOLINE FORMULATIONS AND THEIR USES**

[54] **FORMULATIONS D'OXYMETAZOLINE STABILISEES ET LEURS UTILISATIONS**

[72] SARPOTDAR, PRAMOD, US  
[72] WARNER, KEVIN, US  
[72] ZHANG, STEVEN, US  
[72] AHLUWALIA, GURPREET, US  
[72] KUANG, AMY, US  
[71] ALLERGAN, INC., US  
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[86] 2015-06-11 (PCT/US2015/035420)  
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[13] A1

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[25] EN  
[54] **TETRAHYDROTRIAZOLOPYRIMIDINE DERIVATIVES, PHARMACEUTICAL COMPOSITIONS CONTAINING THE SAME AND USES**  
[54] **DERIVES DE TETRAHYDROTRIAZOLOPYRIMIDINE, COMPOSITIONS PHARMACEUTIQUES LES CONTENANT ET UTILISATIONS**  
[72] ARMANI, ELISABETTA, IT  
[72] CAPALDI, CARMELIDA, IT  
[72] SUTTON, JONATHAN MARK, IT  
[72] HEALD, ROBERT ANDREW, IT  
[71] CHIESI FARMACEUTICI S.P.A., IT  
[85] 2016-12-09  
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[87] (WO2015/189362)  
[30] EP (14172176.1) 2014-06-12

[21] **2,951,749**  
[13] A1

[51] **Int.Cl. C12N 5/078 (2010.01) C12N 5/071 (2010.01) A61K 38/20 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01)**  
[25] EN  
[54] **EXPANSION OF LYMPHOCYTES WITH A CYTOKINE COMPOSITION FOR ACTIVE CELLULARIMMUNOTHERAPY**  
[54] **EXPANSION DE LYMPHOCYTES AVEC UNE COMPOSITION DE CYTOKINE POUR IMMUNOTHERAPIE CELLULAIRE ACTIVE**  
[72] MAEURER, MARKUS, SE  
[71] POLYBIOCEPT AB, SE  
[85] 2016-12-09  
[86] 2015-06-11 (PCT/EP2015/063108)  
[87] (WO2015/189357)  
[30] DE (10 2014 211 167.6) 2014-06-11

[21] **2,951,750**  
[13] A1

[51] **Int.Cl. G01N 33/15 (2006.01)**  
[25] EN  
[54] **UNMASKING ENDOTOXINS IN SOLUTION**  
[54] **ENDOTOXINES DE DEMASQUAGE EN SOLUTION**  
[72] BUCHBERGER, BERND, DE  
[71] HYGLOS INVEST GMBH, DE  
[85] 2016-12-09  
[86] 2015-06-12 (PCT/EP2015/063152)  
[87] (WO2015/189378)  
[30] EP (14172158.9) 2014-06-12  
[30] US (62/011,868) 2014-06-13

[21] **2,951,755**  
[13] A1

[51] **Int.Cl. G01N 33/15 (2006.01)**  
[25] EN  
[54] **UNMASKING ENDOTOXINS IN SOLUTION**  
[54] **DEMASQUAGE D'ENDOTOXINES EN SOLUTION**  
[72] REICH, JOHANNES, DE  
[72] GRALLERT, HOLGER, DE  
[71] HYGLOS INVEST GMBH, DE  
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[86] 2015-06-12 (PCT/EP2015/063154)  
[87] (WO2015/189379)  
[30] EP (14172151.4) 2014-06-12  
[30] US (62/011,818) 2014-06-13

[21] **2,951,757**  
[13] A1

[51] **Int.Cl. B29C 65/48 (2006.01) B64C 3/26 (2006.01)**  
[25] FR  
[54] **METHOD FOR ASSEMBLING A SET OF COMPOSITE PARTS, AND ASSEMBLY OBTAINED BY SUCH A METHOD**  
[54] **PROCEDE D'ASSEMBLAGE D'UN ENSEMBLE DE PIECES COMPOSITES ET ENSEMBLE OBTENU PAR UN TEL PROCEDE**  
[72] BAILLY, DOMINIQUE, FR  
[72] BLANCHEGEORGE, CEDRIC, FR  
[72] MINARD, ELRIC, FR  
[71] DAHER AEROSPACE, FR  
[85] 2016-12-09  
[86] 2015-06-10 (PCT/EP2015/062889)  
[87] (WO2015/189242)  
[30] FR (1455249) 2014-06-10

[21] **2,951,802**  
[13] A1

[51] **Int.Cl. F03D 1/06 (2006.01) F01D 5/14 (2006.01) F15D 1/10 (2006.01)**  
[25] EN  
[54] **A WIND TURBINE BLADE**  
[54] **PALE D'EOLIENNE**  
[72] ARCE, CARLOS, DK  
[71] LM WP PATENT HOLDING A/S, DK  
[85] 2016-12-09  
[86] 2015-07-03 (PCT/EP2015/065233)  
[87] (WO2016/001420)  
[30] EP (14175557.9) 2014-07-03

[21] **2,951,818**  
[13] A1

[51] **Int.Cl. A01K 63/00 (2017.01) F16B 47/00 (2006.01) F16M 13/02 (2006.01)**  
[25] EN  
[54] **SUPPORT DEVICE FOR AQUARIUM ACCESSORIES**  
[54] **DISPOSITIF DE SUPPORT POUR ACCESSOIRES D'AQUARIUM**  
[72] BRESOLIN, VALERIO, IT  
[71] HYDOR SRL, IT  
[85] 2016-12-09  
[86] 2015-07-06 (PCT/IT2015/000180)  
[87] (WO2016/013036)  
[30] IT (VE2014A000044) 2014-07-22

[21] **2,951,860**  
[13] A1

[51] **Int.Cl. C02F 5/12 (2006.01) C02F 1/44 (2006.01)**  
[25] EN  
[54] **INHIBITION OF SILICA SCALE USING AMINE-TERMINATED POLYOXYALKYLENE**  
[54] **INHIBITION DU TARTRE DE SILICE AU MOYEN DE POLYOXYALKYLENE A TERMINAISON AMINE**  
[72] MEHTA, SOMIL C., IN  
[72] DUFOUR, ALAIN, FR  
[71] DOW GLOBAL TECHNOLOGIES LLC, US  
[71] ROHM AND HAAS COMPANY, US  
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[86] 2015-06-02 (PCT/US2015/033728)  
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[30] US (62/014,261) 2014-06-19

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[13] A1

[51] **Int.Cl. C07D 239/42 (2006.01) A61K 31/5377 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **N-(CYANOMETHYL)-4-(2-(4-MORPHOLINOPHENYLAMINO)PYRIMIDIN-4-YL)BENZAMIDE HYDROCHLORIDE SALTS**

[54] **SELS DE CHLORHYDRATE DE N-(CYANOMETHYL)-4-(2-(4-MORPHOLINOPHENYLAMINO)PYRIMIDIN-4-YL)BENZAMIDE**

[72] BROWN, BRANDON H., US  
[72] CARRA, ERNEST A., US  
[72] HEMENWAY, JEFFREY N., US  
[72] MORRISON, HENRY, US  
[72] REYNOLDS, TROY, US  
[72] SHI, BING, US  
[72] STEFANIDIS, DIMITRIOS, US  
[72] WANG, FANG, US  
[72] WARR, MATTHEW ROBERT, US  
[72] WHITNEY, JAMES ANDREW, US  
[72] XIN, YAN, US  
[71] GILEAD SCIENCES, INC., US  
[85] 2016-12-09  
[86] 2015-06-11 (PCT/US2015/035316)  
[87] (WO2015/191846)  
[30] US (62/011,315) 2014-06-12

[21] **2,951,904**  
[13] A1

[51] **Int.Cl. C08G 65/28 (2006.01) C08G 18/48 (2006.01) C08G 63/668 (2006.01) C10G 1/00 (2006.01)**

[25] EN

[54] **ALKOXYLATED BIO-OIL POLYOL COMPOSITIONS**

[54] **COMPOSITIONS DE POLYOL DE BIO-HUILE ALCOXYLE**

[72] GARBARK, DANIEL, US  
[72] BENECKE, HERMAN, US  
[72] MOORE, MEGAN, US  
[72] PERRY, MARK J., US  
[72] CAFMEYER, JEFFREY T., US  
[71] BATTELLE MEMORIAL INSTITUTE, US  
[85] 2016-12-09  
[86] 2015-06-11 (PCT/US2015/035443)  
[87] (WO2015/191936)  
[30] US (62/011,005) 2014-06-11

[21] **2,951,914**  
[13] A1

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

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[54] **RESTRICTED CODE SIGNING**

[54] **SIGNATURE DE CODE LIMITEE**

[72] MEDVINSKY, ALEXANDER, US  
[72] NEGAHDAR, ALI, US  
[72] QIU, XIN, US  
[71] ARRIS ENTERPRISES LLC, US  
[85] 2016-12-09  
[86] 2015-06-11 (PCT/US2015/035440)  
[87] (WO2015/191933)  
[30] US (62/010,761) 2014-06-11  
[30] US (14/737,463) 2015-06-11

[21] **2,951,924**  
[13] A1

[51] **Int.Cl. C07D 413/06 (2006.01) A61K 31/454 (2006.01) A61K 31/4545 (2006.01) A61P 31/14 (2006.01)**

[25] EN

[54] **HETEROCYCLIC COMPOUNDS AND METHODS OF USE THEREOF**

[54] **COMPOSES HETEROCYCLIQUES ET LEURS METHODES D'UTILISATION**

[72] LIANG, TSANYANG, US  
[72] HU, ZONGYI, US  
[72] MARUGAN, JUAN JOSE, US  
[72] SOUTHALL, NOEL TERRENCE, US  
[72] HE, SHANSHAN, US  
[72] HU, XIN, US  
[72] XIAO, JINGBO, US  
[72] FERRER, MARC, US  
[72] ZHENG, WEI, US  
[72] FRANKOWSKI, KEVIN J., US  
[72] SCHOENEN, FRANK J., US  
[72] LI, KELIN, US  
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US  
[71] UNIVERSITY OF KANSAS, US  
[85] 2016-12-09  
[86] 2015-06-12 (PCT/US2015/035658)  
[87] (WO2015/192077)  
[30] US (62/011,462) 2014-06-12

[21] **2,951,925**  
[13] A1

[51] **Int.Cl. C12N 9/02 (2006.01) C07K 19/00 (2006.01) C12N 1/21 (2006.01) C12N 9/16 (2006.01) C12N 15/53 (2006.01) C12N 15/62 (2006.01) C12P 7/42 (2006.01) C12P 7/64 (2006.01)**

[25] EN

[54] **OMEGA-HYDROXYLASE-RELATED FUSION POLYPEPTIDES WITH IMPROVED PROPERTIES**

[54] **POLYPEPTIDES DE FUSION ASSOCIES A OMEGA-HYDROXYLASE A PROPRIETES AMELIOREES**

[72] ZHU, BAOLONG, US  
[72] SCHIRMER, ANDREAS W., US  
[72] CHANG, CINDY, US  
[71] REG LIFE SCIENCES, LLC, US  
[85] 2016-12-09  
[86] 2015-06-16 (PCT/US2015/036078)  
[87] (WO2015/195697)  
[30] US (62/012,970) 2014-06-16

[21] **2,951,948**  
[13] A1

[51] **Int.Cl. A23L 5/20 (2016.01) A23K 10/30 (2016.01) A23L 7/10 (2016.01)**

[25] EN

[54] **METHOD FOR EXTRACTING CONTAMINANTS FROM AGRARIAN PRODUCTS AND APPARATUS THEREFOR**

[54] **PROCEDE POUR EXTRAIRE DES CONTAMINANTS CONTENUS DANS DES PRODUITS AGRICOLES ET DISPOSITIF POUR METTRE LEDIT PROCEDE EN OEUVRE**

[72] BINDER, EVA-MARIA, AT  
[72] CVAK, BARBARA, AT  
[72] SCHIESSL, ALOIS, AT  
[72] HAUBL, GEORG, AT  
[71] ERBER AKTIENGESELLSCHAFT, AT  
[85] 2016-12-12  
[86] 2015-06-03 (PCT/AT2015/000083)  
[87] (WO2015/188205)  
[30] AT (GM 251/2014) 2014-06-12



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[13] A1

[51] **Int.Cl. C07K 14/705 (2006.01) A61K 47/64 (2017.01) A61K 38/17 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01) C07K 1/113 (2006.01) C07K 7/06 (2006.01) C07K 19/00 (2006.01) C12N 15/12 (2006.01) C12N 15/62 (2006.01) C12Q 1/02 (2006.01) G01N 33/48 (2006.01)**

[25] EN  
[54] **ISOLATED POLYPEPTIDES OF CD44 AND USES THEREOF**  
[54] **POLYPEPTIDES ISOLES DE CD44 ET UTILISATIONS ASSOCIEES**

[72] NAOR, DAVID, IL  
[72] ESHKAR-SEBBAN, LORA, IL  
[72] AMAR, KEREN-OR, IL  
[72] COHEN, SHMUEL, IL  
[71] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD., IL

[85] 2016-12-12  
[86] 2015-07-15 (PCT/IL2015/050732)  
[87] (WO2016/009436)  
[30] US (62/024,719) 2014-07-15

[21] **2,952,012**  
[13] A1

[51] **Int.Cl. C07D 239/90 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61K 31/52 (2006.01) A61K 31/53 (2006.01) A61K 31/5377 (2006.01) C07D 401/14 (2006.01) C07D 403/06 (2006.01) C07D 413/06 (2006.01) C07D 473/34 (2006.01) C07D 487/04 (2006.01) C07D 513/04 (2006.01)**

[25] EN  
[54] **PHOSPHATIDYLINOSITOL 3-KINASE INHIBITORS**  
[54] **INHIBITEURS DE LA PHOSPHATIDYLINOSITOL 3-KINASE**

[72] CAI, SHAOPEI, US  
[72] DU, ZHIMIN, US  
[72] KIM, MUSONG, US  
[72] LOYER-DREW, JENNIFER A., US  
[72] NADUTHAMBI, DEVAN, US  
[72] PATEL, LEENA, US  
[72] PHILLIPS, BARTON W., US  
[72] PHILLIPS, GARY, US  
[72] STEVENS, KIRK L., US  
[72] TREIBERG, JENNIFER ANNE, US  
[72] VAN VELDHUIZEN, JOSHUA, US  
[72] WATKINS, WILLIAM J., US  
[72] YEUNG, SUET CHUNG, US  
[71] GILEAD SCIENCES, INC., US  
[85] 2016-12-12  
[86] 2015-06-10 (PCT/US2015/035126)  
[87] (WO2015/191726)  
[30] US (62/012,172) 2014-06-13

[21] **2,952,018**  
[13] A1

[51] **Int.Cl. C07D 403/04 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61K 31/52 (2006.01) A61K 31/53 (2006.01) C07D 401/14 (2006.01) C07D 403/14 (2006.01) C07D 471/04 (2006.01) C07D 473/34 (2006.01) C07D 487/04 (2006.01) C07D 491/04 (2006.01) C07D 495/04 (2006.01) C07D 513/04 (2006.01)**

[25] EN  
[54] **QUINAZOLINONE DERIVATIVES AS PHOSPHATIDYLINOSITOL 3-KINASE INHIBITORS**  
[54] **DERIVES DE QUINAZOLINONE UTILISES COMME INHIBITEURS DE LA PHOSPHATIDYLINOSITOL 3-KINASE**

[72] EVARTS, JERRY, US  
[72] KAPLAN, JOSHUA, US  
[72] PATEL, LEENA, US  
[72] PERREAULT, STEPHANE, US  
[72] PHILLIPS, BARTON W., US  
[72] PHILLIPS, GARY, US  
[72] TREIBERG, JENNIFER A., US  
[72] YEUNG, SUET CHUNG, US  
[71] GILEAD SCIENCES, INC., US  
[85] 2016-12-12  
[86] 2015-06-10 (PCT/US2015/035145)  
[87] (WO2015/191743)  
[30] US (62/011,775) 2014-06-13

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[21] **2,952,025**  
[13] A1

[51] **Int.Cl. C07D 239/91 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61K 31/52 (2006.01) A61K 31/53 (2006.01) C07D 401/14 (2006.01) C07D 403/04 (2006.01) C07D 403/06 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01) C07D 405/14 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01) C07D 473/34 (2006.01) C07D 487/04 (2006.01) C07D 513/04 (2006.01)**

[25] EN

[54] **PHOSPHATIDYLINOSITOL 3-KINASE INHIBITORS**

[54] **INHIBITEUR DE LA PHOSPHATIDYLINOSITOL 3-KINASE**

[72] DU, ZHIMIN, US  
[72] EVARTS, JERRY, US  
[72] KAPLAN, JOSHUA, US  
[72] KIM, MUSONG, US  
[72] NADUTHAMBI, DEVAN, US  
[72] PATEL, LEENA, US  
[72] PERREAULT, STEPHANE, US  
[72] PHILLIPS, BARTON W., US  
[72] PHILLIPS, GARY, US  
[72] STEVENS, KIRK L., US  
[72] TREIBERG, JENNIFER A., US  
[72] VAN VELDHUIZEN, JOSHUA, US  
[72] WATKINS, WILLIAM J., US  
[72] YEUNG, SUET CHUNG, US  
[71] GILEAD SCIENCES, INC., US  
[85] 2016-12-12  
[86] 2015-06-10 (PCT/US2015/035147)  
[87] (WO2015/191745)  
[30] US (62/011,977) 2014-06-13

[21] **2,952,037**  
[13] A1

[51] **Int.Cl. C07D 403/04 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61K 31/53 (2006.01) C07D 487/04 (2006.01) C07D 491/048 (2006.01) C07D 495/04 (2006.01) C07D 513/04 (2006.01)**

[25] EN

[54] **PHOSPHATIDYLINOSITOL 3-KINASE INHIBITORS**

[54] **INHIBITEURS DE PHOSPHATIDYLINOSITOL-3-KINASE**

[72] CAI, SHAOPEI, US  
[72] DU, ZHIMIN, US  
[72] KAPLAN, JOSHUA, US  
[72] LOYER-DREW, JENNIFER A., US  
[72] NADUTHAMBI, DEVAN, US  
[72] PHILLIPS, BARTON W., US  
[72] PHILLIPS, GARY, US  
[72] VAN VELDHUIZEN, JOSHUA, US  
[72] WATKINS, WILLIAM J., US  
[72] YEUNG, SUET CHUNG, US  
[71] GILEAD SCIENCES, INC., US  
[85] 2016-12-12  
[86] 2015-06-10 (PCT/US2015/035157)  
[87] (WO2015/191752)  
[30] US (62/012,222) 2014-06-13

[21] **2,952,044**  
[13] A1

[51] **Int.Cl. C07D 403/04 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01) C07D 487/04 (2006.01) C07D 491/048 (2006.01)**

[25] EN

[54] **PHOSPHATIDYLINOSITOL 3-KINASE INHIBITORS**

[54] **INHIBITEURS DE LA PHOSPHATIDYLINOSITOL 3-KINASE**

[72] KIM, MUSONG, US  
[72] YEUNG, SUET CHUNG, US  
[72] PERREAULT, STEPHANE, US  
[71] GILEAD SCIENCES, INC., US  
[85] 2016-12-12  
[86] 2015-06-10 (PCT/US2015/035161)  
[87] (WO2015/191754)  
[30] US (62/011,905) 2014-06-13

[21] **2,952,065**  
[13] A1

[51] **Int.Cl. A61K 31/4025 (2006.01) A61P 31/04 (2006.01) A61P 31/12 (2006.01) A61P 39/00 (2006.01) C07D 207/04 (2006.01)**

[25] EN

[54] **A SMALL MOLECULE INHIBITOR OF MYD88 FOR THERAPEUTIC TREATMENT AGAINST ALPHAVIRUS AND STAPHYLOCOCCAL ENTEROTOXIN INFECTIONS AND TOXIN EXPOSURE**

[54] **INHIBITEUR A PETITE MOLECULE DE MYD88 POUR LE TRAITEMENT THERAPEUTIQUE CONTRE DES INFECTIONS PAR ALPHAVIRUS ET ENTEROTOXINE STAPHYLOCOCCIQUE ET EXPOSITION AUX TOXINES**

[72] REBEK, JULIUS M., JR., US  
[72] SAIKH, KAMAL U., US  
[72] GLASS, PAMELA J., US  
[71] GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF THE ARMY, US  
[71] REBEK, JULIUS M., JR., US  
[85] 2016-12-12  
[86] 2015-06-05 (PCT/US2015/000068)  
[87] (WO2015/191111)  
[30] US (62/010,628) 2014-06-11

[21] **2,952,113**  
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) A61K 49/00 (2006.01) A61P 35/00 (2006.01) C12N 15/13 (2006.01) C12Q 1/68 (2006.01) G01N 33/574 (2006.01)**

[25] EN

[54] **ANTI-AXL ANTIBODIES**

[54] **ANTICORPS ANTI-AXL**

[72] MICKLEM, DAVID ROBERT, NO  
[72] KIPRIJANOV, SERGEJ, NO  
[72] NILSSON, LINN HODNELAND, NO  
[72] AHMED, LAVINA, NO  
[72] HAUGEN, HALLVARD, NO  
[71] BERGENBIO AS, NO  
[85] 2016-12-13  
[86] 2015-06-18 (PCT/EP2015/063704)  
[87] (WO2015/193430)  
[30] GB (1410825.2) 2014-06-18

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[21] **2,952,223**  
[13] A1

[51] **Int.Cl. A61K 9/18 (2006.01) A61K 31/5575 (2006.01) A61K 47/32 (2006.01)**

[25] EN  
[54] **TREPROSTINIL FORMULATIONS**  
[54] **FORMULATIONS DE TREPROSTINIL**

[72] PHARES, KEN, US  
[72] CHANG, COURTNEY, US  
[71] UNITED THERAPEUTICS CORPORATION, US

[85] 2016-12-13  
[86] 2015-06-12 (PCT/US2015/035595)  
[87] (WO2015/192030)  
[30] US (62/011,689) 2014-06-13

[21] **2,952,532**  
[13] A1

[51] **Int.Cl. C07K 16/46 (2006.01) C07K 16/08 (2006.01) C07K 16/12 (2006.01) C07K 16/28 (2006.01) C12N 15/13 (2006.01) C12Q 1/68 (2006.01)**

[25] EN  
[54] **MULTISPECIFIC ANTIGEN BINDING PROTEINS**  
[54] **PROTEINES MULTISPECIFIQUES DE LIAISON A UN ANTIGENE**

[72] GAUTHIER, LAURENT, FR  
[72] ROSSI, BENJAMIN, FR  
[71] INNATE PHARMA, FR

[85] 2016-12-15  
[86] 2015-06-23 (PCT/EP2015/064070)  
[87] (WO2015/197598)  
[30] US (62/017,913) 2014-06-27

[21] **2,952,772**  
[13] A1

[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  
[71] 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

[21] **2,952,284**  
[13] A1

[51] **Int.Cl. A61M 27/00 (2006.01) A61F 13/00 (2006.01) A61F 13/15 (2006.01) A61M 1/00 (2006.01)**

[25] EN  
[54] **WOUND DRESSING**  
[54] **PANSEMENT ET PROCEDE DE TRAITEMENT**

[72] HARTWELL, EDWARD YERBURY, GB  
[72] BROWNHILL, VARUNI RACHINDRA, GB  
[72] GOWANS, JOHN, GB  
[71] SMITH & NEPHEW PLC, GB

[85] 2016-12-14  
[86] 2015-06-15 (PCT/EP2015/063373)  
[87] (WO2015/193257)  
[30] US (62/013989) 2014-06-18  
[30] US (62/085774) 2014-12-01

[21] **2,952,534**  
[13] A1

[51] **Int.Cl. C12N 15/29 (2006.01) A01H 5/00 (2006.01) A24B 15/18 (2006.01) C07K 14/415 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**

[25] EN  
[54] **MODULATION OF NITRATE CONTENT IN PLANTS**  
[54] **MODULATION DE LA TENEUR EN NITRATE CHEZ LES PLANTES**

[72] CAMPANONI, PRISCA, CH  
[72] BOVET, LUCIEN, CH  
[71] PHILIP MORRIS PRODUCTS S.A., CH

[85] 2016-12-15  
[86] 2015-06-24 (PCT/EP2015/064308)  
[87] (WO2015/197727)  
[30] EP (14173987.0) 2014-06-25

[21] **2,952,891**  
[13] A1

[51] **Int.Cl. B65G 43/00 (2006.01) B65G 15/08 (2006.01) B65G 35/00 (2006.01)**

[25] EN  
[54] **CONVEYOR SYSTEM FOR CONVEYING MATERIAL TO BE CONVEYED**  
[54] **SYSTEME DE TRANSPORT DE PRODUITS A TRANSPORTER**

[72] MENKE, LUCAS, DE  
[72] ENGLISH, KLAUS, DE  
[71] MERI ENVIRONMENTAL SOLUTIONS GMBH, DE

[85] 2016-12-19  
[86] 2015-05-29 (PCT/EP2015/061976)  
[87] (WO2016/000876)  
[30] DE (10 2014 109 284.8) 2014-07-02

[21] **2,952,304**  
[13] A1

[51] **Int.Cl. A01K 43/00 (2006.01) A01K 45/00 (2006.01) A61L 2/18 (2006.01) A23B 5/12 (2006.01) A23B 5/20 (2006.01)**

[25] EN  
[54] **SANITIZATION SYSTEM FOR AN EGG PROCESSING APPARATUS, AND ASSOCIATED METHOD**  
[54] **SYSTEME DE DESINFECTION POUR UN APPAREIL DE TRAITEMENT D'UFS ET PROCEDE ASSOCIE**

[72] HESSLER, THOMAS MATTHEW, US  
[71] ZOETIS SERVICES LLC, US

[85] 2016-12-13  
[86] 2015-07-08 (PCT/US2015/039528)  
[87] (WO2016/007611)  
[30] US (62/022,455) 2014-07-09

[21] **2,952,545**  
[13] A1

[51] **Int.Cl. A46B 9/02 (2006.01) A46D 1/00 (2006.01)**

[25] EN  
[54] **HAIR BRUSH**  
[54] **BROSSE A CHEVEUX**

[72] PULFREY, SHAUN, GB  
[72] TREEBY, CAMERON BRUCE WILLIAM, GB  
[71] TANGLE TEEZER LIMITED, GB

[85] 2016-12-15  
[86] 2015-06-30 (PCT/GB2015/051916)  
[87] (WO2016/001658)  
[30] GB (1411577.8) 2014-06-30  
[30] GB (1411583.6) 2014-06-30

[21] **2,952,931**  
[13] A1

[51] **Int.Cl. H01H 33/59 (2006.01)**

[25] EN  
[54] **ARRANGEMENT, SYSTEM, AND METHOD OF INTERRUPTING CURRENT**  
[54] **AGENCEMENT, SYSTEME ET PROCEDE D'INTERRUPTION DE COURANT**

[72] ANQUIST, LENNART, SE  
[72] NORRGA, STAFFAN, SE  
[71] SCIBREAK AB, SE

[85] 2016-12-19  
[86] 2015-06-29 (PCT/SE2015/050756)  
[87] (WO2016/003357)  
[30] US (62/018,707) 2014-06-30

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[21] **2,952,979**  
[13] A1

[51] **Int.Cl. A46B 9/04 (2006.01)**  
[25] EN  
[54] **HEAD FOR AN ORAL CARE IMPLEMENT**  
[54] **TETE POUR ACCESSOIRE D'HYGIENE BUCCO-DENTAIRE**  
[72] JUNGNICKEL, UWE, DE  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2016-12-19  
[86] 2015-07-13 (PCT/US2015/040149)  
[87] (WO2016/007949)  
[30] EP (14176721.0) 2014-07-11

[21] **2,952,982**  
[13] A1

[51] **Int.Cl. C11D 3/60 (2006.01) C11D 3/00 (2006.01) C11D 3/37 (2006.01) C11D 7/00 (2006.01) C11D 7/22 (2006.01) C11D 7/60 (2006.01)**  
[25] EN  
[54] **FABRIC AND HOME CARE TREATMENT COMPOSITIONS**  
[54] **COMPOSITIONS DE TRAITEMENT POUR LES TISSUS ET LES SOINS MENAGERS**  
[72] DYKSTRA, ROBERT RICHARD, US  
[72] SIVIK, MARK ROBERT, US  
[72] HODGDON, TRAVIS KYLE, US  
[72] URBIN, STEPHANIE ANN, US  
[72] CORONA, ALESSANDRO, III, US  
[72] MCCULLOUGH, JOCELYN MICHELLE, US  
[72] BELANGER, DENISE MALCUIT, US  
[72] FLITER, KRISTI LYNN, US  
[72] HARTSHORN, RICHARD TIMOTHY, US  
[72] VETTER, NICHOLAS DAVID, US  
[72] XUAN, TESSA, US  
[72] FOSSUM, RENAE DIANNA, US  
[72] LEYRER, REINHOLD JOSEPH, DE  
[72] FONSECA, GLEDISON, DE  
[72] BOYKO, VOLODYMYR, DE  
[72] FLORES-FIGUEROA, AARON, DE  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2016-12-19  
[86] 2015-07-23 (PCT/US2015/041656)  
[87] (WO2016/014742)  
[30] US (62/027,810) 2014-07-23  
[30] US (62/083,925) 2014-11-25

[21] **2,952,983**  
[13] A1

[51] **Int.Cl. C11D 3/60 (2006.01) C11D 3/00 (2006.01) C11D 3/37 (2006.01) C11D 7/00 (2006.01) C11D 7/22 (2006.01) C11D 7/60 (2006.01)**  
[25] EN  
[54] **FABRIC AND HOME CARE TREATMENT COMPOSITIONS**  
[54] **COMPOSITIONS DE TRAITEMENT POUR SOINS MENAGERS ET POUR LES TISSUS**  
[72] DYKSTRA, ROBERT RICHARD, US  
[72] SIVIK, MARK ROBERT, US  
[72] HODGDON, TRAVIS KYLE, US  
[72] URBIN, STEPHANIE ANN, US  
[72] CORONA, ALESSANDRO, III, US  
[72] MCCULLOUGH, JOCELYN MICHELLE, US  
[72] BELANGER, DENISE MALCUIT, US  
[72] FLITER, KRISTI LYNN, US  
[72] HARTSHORN, RICHARD TIMOTHY, US  
[72] VETTER, NICHOLAS DAVID, US  
[72] XUAN, TESSA, US  
[72] LEYRER, REINHOLD JOSEPH, DE  
[72] FONSECA, GLEDISON, DE  
[72] BOYKO, VOLODYMYR, DE  
[72] FLORES-FIGUEROA, AARON, DE  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2016-12-19  
[86] 2015-07-23 (PCT/US2015/041657)  
[87] (WO2016/014743)  
[30] US (62/027,812) 2014-07-23  
[30] US (62/083,926) 2014-11-25

[21] **2,952,985**  
[13] A1

[51] **Int.Cl. C11D 3/60 (2006.01) C11D 3/00 (2006.01) C11D 3/37 (2006.01) C11D 7/00 (2006.01) C11D 7/22 (2006.01) C11D 7/60 (2006.01)**  
[25] EN  
[54] **FABRIC AND HOME CARE TREATMENT COMPOSITIONS**  
[54] **COMPOSITIONS DE TRAITEMENT POUR LE LINGE ET L'ENTRETIEN MENAGER**  
[72] DYKSTRA, ROBERT RICHARD, US  
[72] SIVIK, MARK ROBERT, US  
[72] HODGDON, TRAVIS KYLE, US  
[72] URBIN, STEPHANIE ANN, US  
[72] CORONA, ALESSANDRO, III, US  
[72] MCCULLOUGH, JOCELYN MICHELLE, US  
[72] BELANGER, DENISE MALCUIT, US  
[72] FLITER, KRISTI LYNN, US  
[72] HARTSHORN, RICHARD TIMOTHY, US  
[72] VETTER, NICHOLAS DAVID, US  
[72] XUAN, TESSA, US  
[72] LEYRER, REINHOLD JOSEPH, DE  
[72] FONSECA, GLEDISON, DE  
[72] BOYKO, VOLODYMYR, DE  
[72] FLORES-FIGUEROA, AARON, DE  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2016-12-19  
[86] 2015-07-23 (PCT/US2015/041658)  
[87] (WO2016/014744)  
[30] US (62/027,814) 2014-07-23  
[30] US (62/083,927) 2014-11-25

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[21] **2,952,990**  
[13] A1

[51] **Int.Cl. C11D 3/60 (2006.01) C11D 3/00 (2006.01) C11D 3/37 (2006.01) C11D 7/00 (2006.01) C11D 7/22 (2006.01) C11D 7/60 (2006.01)**

[25] EN  
[54] **TREATMENT COMPOSITIONS**  
[54] **COMPOSITIONS DE TRAITEMENT**

[72] DYKSTRA, ROBERT RICHARD, US  
[72] SIVIK, MARK ROBERT, US  
[72] HODGDON, TRAVIS KYLE, US  
[72] URBIN, STEPHANIE ANN, US  
[72] CORONA, ALESSANDRO, III, US  
[72] BELANGER, DENISE MALCUIT, US  
[72] FLITER, KRISTI LYNN, US  
[72] HARTSHORN, RICHARD TIMOTHY, US  
[72] VETTER, NICHOLAS DAVID, US  
[72] XUAN, TESSA, US  
[72] LEYRER, REINHOLD JOSEPH, DE  
[72] FONSECA, GLEDISON, DE  
[72] BOYKO, VOLODYMYR, DE  
[72] FLORES-FIGUEROA, AARON, DE  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2016-12-19  
[86] 2015-07-23 (PCT/US2015/041659)  
[87] (WO2016/014745)  
[30] US (62/027,816) 2014-07-23  
[30] US (62/083,928) 2014-11-25

[21] **2,953,005**  
[13] A1

[51] **Int.Cl. C07D 295/155 (2006.01) A61K 31/421 (2006.01) A61K 31/445 (2006.01) A61K 31/495 (2006.01) A61K 31/5375 (2006.01) A61P 35/00 (2006.01) C07D 211/34 (2006.01) C07D 263/22 (2006.01)**

[25] EN  
[54] **CYCLOPROPYLAMINE COMPOUNDS AS HISTONE DEMETHYLASE INHIBITORS**

[54] **COMPOSES DE CYCLOPROPYLAMINE A UTILISER EN TANT QU'INHIBITEURS DE L'HISTONE DEMETHYLASE**

[72] VIANELLO, PAOLA, IT  
[72] VARASI, MARIO, IT  
[72] MERCURIO, CIRO, IT  
[72] CAPPÀ, ANNA, IT  
[72] MERONI, GIUSEPPE, IT  
[72] VILLA, MANUELA, IT  
[72] MAI, ANTONELLO, IT  
[72] VALENTE, SERGIO, IT  
[71] IEO - ISTITUTO EUROPEO DI ONCOLOGIA S.R.L., IT  
[85] 2016-12-20  
[86] 2015-05-29 (PCT/EP2015/062037)  
[87] (WO2015/181380)  
[30] EP (14170656.4) 2014-05-30  
[30] EP (14193312.7) 2014-11-14

[21] **2,953,025**  
[13] A1

[51] **Int.Cl. G02C 7/06 (2006.01)**

[25] EN  
[54] **PROGRESSIVE OPHTHALMIC LENSES**

[54] **LENTILLES OPHTALMIQUES PROGRESSIVES**

[72] GORROTXATEGI SALABERRIA, JOSEBA, ES  
[71] OPTOMETRIC AIR LENS. S.L., ES  
[85] 2016-12-20  
[86] 2015-07-08 (PCT/EP2015/065575)  
[87] (WO2016/005437)  
[30] ES (P 201431028) 2014-07-09

[21] **2,953,028**  
[13] A1

[51] **Int.Cl. B65G 1/04 (2006.01) B65G 61/00 (2006.01) G06Q 10/08 (2012.01)**

[25] EN  
[54] **PARCEL SORTER SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE DE TRI DE COLIS**

[72] LINDBO, SVERKER, GB  
[71] OCADO INNOVATION LIMITED, GB  
[85] 2016-12-20  
[86] 2015-06-24 (PCT/EP2015/064260)  
[87] (WO2015/197696)  
[30] GB (1411254.4) 2014-06-25

[21] **2,953,042**  
[13] A1

[51] **Int.Cl. A01C 14/00 (2006.01) G06Q 50/02 (2012.01) A01B 76/00 (2006.01) A01B 79/00 (2006.01) A01C 21/00 (2006.01) A01G 25/16 (2006.01)**

[25] EN  
[54] **SYSTEM AND METHOD FOR CONTROLLING MACHINERY FOR RANDOMIZING AND REPLICATING PREDETERMINED AGRONOMIC INPUT LEVELS**

[54] **SYSTEME ET PROCEDE POUR COMMANDER DES MACHINES POUR EFFECTUER LA RANDOMISATION ET LA REPRODUCTION DE NIVEAUX D'INTRANTS AGRONOMIQUES PREDETERMINES**

[72] FREIBERG, DAN, US  
[72] STELFORD, MARK WILLIAM, US  
[71] PREMIER CROP SYSTEMS, LLC, US  
[85] 2016-12-20  
[86] 2015-08-24 (PCT/US2015/046536)  
[87] (WO2016/032956)  
[30] US (62/042,555) 2014-08-27

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[21] **2,953,048**  
[13] A1

[51] **Int.Cl. C08J 3/05 (2006.01) C08J 3/075 (2006.01) C09K 8/035 (2006.01) C09K 8/588 (2006.01) C09K 8/68 (2006.01) E21B 43/22 (2006.01) E21B 43/25 (2006.01) E21B 43/26 (2006.01)**

[25] FR

[54] **IMPROVED HYDRATION OF ASSOCIATIVE POLYMERS**

[54] **HYDRATATION AMELIOREE DE POLYMERES ASSOCIATIFS**

[72] CADIX, ARNAUD, FR

[72] WILSON, DAVID JAMES, FR

[71] RHODIA OPERATIONS, FR

[85] 2016-12-20

[86] 2015-09-07 (PCT/EP2015/070396)

[87] (WO2016/034743)

[30] FR (14 01999) 2014-09-05

[21] **2,953,049**  
[13] A1

[51] **Int.Cl. C11D 17/00 (2006.01) C11D 3/37 (2006.01) C11D 3/43 (2006.01) C11D 3/60 (2006.01) C11D 7/22 (2006.01) C11D 7/50 (2006.01) C11D 7/60 (2006.01) C11D 11/00 (2006.01)**

[25] EN

[54] **FABRIC TREATMENT COMPOSITION COMPRISING AN AMINOSILOXANE POLYMER NANOEMULSION**

[54] **COMPOSITION DE TRAITEMENT DE TISSU COMPRENANT UNE NANOEMULSION POLYMERE D'AMINOSILOXANE**

[72] VETTER, NICHOLAS DAVID, US

[72] SIVIK, MARK ROBERT, US

[72] FLITER, KRISTI, LYNN, US

[72] WHITING, PATRICK B., US

[72] BROENING, HARRY W., US

[72] KENNEALLY, COREY JAMES, US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2016-12-20

[86] 2015-07-28 (PCT/US2015/042451)

[87] (WO2016/018900)

[30] US (14/341,994) 2014-07-28

[21] **2,953,052**  
[13] A1

[51] **Int.Cl. F04D 29/42 (2006.01) E04H 4/12 (2006.01) F04D 29/60 (2006.01)**

[25] FR

[54] **FILTRATION PUMP FOR A SWIMMING POOL**

[54] **POMPE DE FILTRATION POUR PISCINE**

[72] LIE, MICHAEL, FR

[71] ACIS (AQUA CONSULT INDUSTRIE SERVICES), FR

[85] 2016-12-20

[86] 2015-06-23 (PCT/FR2015/051666)

[87] (WO2015/197967)

[30] FR (1455754) 2014-06-23

[21] **2,953,104**  
[13] A1

[51] **Int.Cl. A01K 11/00 (2006.01) A61B 10/02 (2006.01) A61D 99/00 (2006.01)**

[25] EN

[54] **ANIMAL IDENTIFICATION SYSTEM COMPRISING AN ANIMAL IDENTIFICATION DEVICE AND A SAMPLING MEMBER**

[54] **SYSTEME D'IDENTIFICATION ANIMALE COMPRENANT UN DISPOSITIF D'IDENTIFICATION ANIMALE ET UN ORGANE DE PRELEVEMENT**

[72] HILPERT, JEAN-JACQUES, FR

[72] DECALUWE, JOHAN, FR

[71] ALLFLEX EUROPE, FR

[85] 2016-12-20

[86] 2015-07-27 (PCT/EP2015/067190)

[87] (WO2016/016204)

[30] FR (1457457) 2014-07-31

[30] FR (1551996) 2015-03-10

[21] **2,953,112**  
[13] A1

[51] **Int.Cl. H05B 6/06 (2006.01) H05B 6/10 (2006.01) G05B 11/42 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR CONTROL OF A WORKPIECE HEATING SYSTEM**

[54] **SYSTEMES ET PROCEDES DE COMMANDE DE SYSTEME DE CHAUFFAGE DE PIECE A USINER**

[72] VERHAGEN, PAUL DAVID, US

[72] JOYCE, RICHARD CHARLES, US

[72] MLNARIK, KEVIN JOHN, US

[71] ILLINOIS TOOL WORKS INC., US

[85] 2016-12-20

[86] 2015-06-18 (PCT/US2015/036491)

[87] (WO2016/010674)

[30] US (62/024,286) 2014-07-14

[30] US (14/737,193) 2015-06-11

[21] **2,953,191**  
[13] A1

[51] **Int.Cl. A21D 13/47 (2017.01) A21D 13/45 (2017.01) A21C 15/00 (2006.01) A23G 3/28 (2006.01) A23P 30/00 (2016.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR THE DECORATION OF FOODSTUFFS**

[54] **APPAREIL ET PROCEDE POUR LA DECORATION DE PRODUITS ALIMENTAIRES**

[72] LEACH, JAMES RICHARD HUGHES, GB

[72] MORLEY, JONATHAN DAVID, GB

[71] UNILEVER PLC, GB

[85] 2016-12-21

[86] 2015-06-02 (PCT/EP2015/062288)

[87] (WO2015/197323)

[30] EP (14174672.7) 2014-06-27

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[13] A1

[51] **Int.Cl. E04C 2/40 (2006.01) E04B 1/08 (2006.01) E04B 1/88 (2006.01) E04B 5/02 (2006.01) E04C 2/292 (2006.01) E04C 2/32 (2006.01) E04D 3/35 (2006.01) F16B 5/00 (2006.01) F16S 1/14 (2006.01)**

[25] EN  
[54] **A MODULAR BUILDING SYSTEM AND A METHOD OF ASSEMBLING BUILDING ELEMENTS TO CONSTRUCT SUCH BUILDING SYSTEM**  
[54] **SYSTEME DE CONSTRUCTION MODULAIRE ET PROCEDE D'ASSEMBLAGE D'ELEMENTS DE CONSTRUCTION POUR CONSTRUIRE UN TEL SYSTEME DE CONSTRUCTION**

[72] KJÆR, NIKOLAI, DK  
[71] NORDIC BUILD IVS, DK  
[85] 2016-12-21  
[86] 2015-06-23 (PCT/EP2015/064140)  
[87] (WO2015/197634)  
[30] EP (14173433.5) 2014-06-23

[21] **2,953,194**  
[13] A1

[51] **Int.Cl. A23K 40/35 (2016.01) A23K 20/00 (2016.01) A23K 40/30 (2016.01) A23K 50/10 (2016.01)**

[25] EN  
[54] **COMPOSITION AND USE THEREOF**  
[54] **COMPOSITION ET SON UTILISATION**

[72] AWATI, AJAY, GB  
[72] TSE, KATHRYN LOUISE, DK  
[72] FROUEL, STEPHANE, FR  
[72] GIMENEZ-RICO, RAFAEL DURAN, ES  
[72] SAINSBURY, TRACEY, GB  
[71] DUPONT NUTRITION BIOSCIENCES APS, DK  
[85] 2016-12-21  
[86] 2015-06-24 (PCT/EP2015/064296)  
[87] (WO2015/197719)  
[30] GB (1411197.5) 2014-06-24

[21] **2,953,197**  
[13] A1

[51] **Int.Cl. C01B 32/168 (2017.01) C01B 32/159 (2017.01) C01B 32/174 (2017.01)**

[25] EN  
[54] **METHOD FOR GROWING VERTICALLY ORIENTED SINGLE-WALLED CARBON NANOTUBES WITH THE SAME ELECTRONIC PROPERTIES AND FOR REPRODUCING SINGLE-WALLED CARBON NANOTUBES WITH THE SAME ELECTRONIC PROPERTIES**  
[54] **PROCEDE POUR LA CROISSANCE DE NANOTUBES DE CARBONE MONOPAROIL, ORIENTES VERTICALEMENT, A PROPRIETES ELECTRONIQUES IDENTIQUES, ET POUR LA MULTIPLICATION DE NANOTUBES DE CARBONE MONOPAROIL, A PROPRIETES ELECTRONIQUES IDENTIQUES**

[72] BEZUGLY, VIKTOR, DE  
[72] BEZUGLY, EUGENIA, DE  
[72] KHAVRUS, VYACHESLAV, DE  
[72] KRYLOV, DENIS, DE  
[72] CUNIBERTI, GIANAURELIO, DE  
[71] TECHNISCHE UNIVERSITAT DRESDEN, DE  
[85] 2016-12-21  
[86] 2015-06-24 (PCT/EP2015/064311)  
[87] (WO2015/197729)  
[30] DE (10 2014 212 077.2) 2014-06-24

[21] **2,953,198**  
[13] A1

[51] **Int.Cl. C07D 453/02 (2006.01) A61K 31/439 (2006.01) A61P 11/00 (2006.01) C07D 409/14 (2006.01)**

[25] EN  
[54] **AMINOESTER DERIVATIVES**  
[54] **DERIVES AMINOESTERS**

[72] ARMANI, ELISABETTA, IT  
[72] AMARI, GABRIELE, IT  
[72] CAPALDI, CARMELIDA, IT  
[72] BLACKABY, WESLEY, IT  
[72] LINNEY, IAN, IT  
[72] VAN DE POEL, HERVE, IT  
[72] BAKER-GLENN, CHARLES, IT  
[72] TRIVEDI, NAIMISHA, IT  
[71] CHIESI FARMACEUTICI S.P.A., IT  
[85] 2016-12-02  
[86] 2015-06-03 (PCT/EP2015/062417)  
[87] (WO2015/185649)  
[30] EP (14171266.1) 2014-06-05

[21] **2,953,204**  
[13] A1

[51] **Int.Cl. C07D 453/02 (2006.01) A61K 31/439 (2006.01) A61P 11/00 (2006.01)**

[25] EN  
[54] **CARBAMATE DERIVATIVES**  
[54] **DERIVES DE CARBAMATE QUI SONT A LA FOIS DES INHIBITEURS DE L'ENZYME PHOSPHODIESTERASE 4 (PDE4) ET DES ANTAGONISTES DES RECEPTEURS MUSCARINIQUES M3**

[72] ARMANI, ELISABETTA, IT  
[72] AMARI, GABRIELE, IT  
[72] CAPALDI, CARMELIDA, IT  
[72] BAKER-GLENN, CHARLES, IT  
[71] CHIESI FARMACEUTICI S.P.A., IT  
[85] 2016-12-02  
[86] 2015-06-03 (PCT/EP2015/062419)  
[87] (WO2015/185650)  
[30] EP (14171263.8) 2014-06-05

[21] **2,953,216**  
[13] A1

[51] **Int.Cl. A61K 9/127 (2006.01) A61K 39/00 (2006.01) A61P 37/04 (2006.01)**

[25] EN  
[54] **MULTIVALENT DELIVERY OF IMMUNE MODULATORS BY LIPOSOMAL SPHERICAL NUCLEIC ACIDS FOR PROPHYLACTIC OR THERAPEUTIC APPLICATIONS**  
[54] **LIBERATION POLYVALENTE DE MODULATEURS IMMUNITAIRES PAR DES ACIDES NUCLEIQUES SPHERIQUES LIPOSOMAX POUR DES APPLICATIONS PROPHYLACTIQUES OU THERAPEUTIQUES**

[72] RADOVIC-MORENO, ALEKSANDAR FILIP, US  
[72] KANG, RICHARD, US  
[72] NALLAGATLA, SUBBARAO, US  
[72] MADER, CHRISTOPHER C., US  
[72] GRYZANOV, SERGEI, US  
[71] EXICURE, INC., US  
[85] 2016-12-02  
[86] 2015-06-04 (PCT/US2015/034226)  
[87] (WO2015/187966)  
[30] US (62/007,528) 2014-06-04

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[13] A1

[51] **Int.Cl. C07C 235/40 (2006.01) A61K 31/195 (2006.01) A61P 27/06 (2006.01) C07C 233/63 (2006.01)**

[25] EN

[54] **NOVEL EP4 AGONISTS AS THERAPEUTIC COMPOUNDS**

[54] **NOUVEAUX AGONISTES DES RECEPTEURS EP4 UTILISES COMME COMPOSES THERAPEUTIQUES**

[72] OLD, DAVID W., US  
[72] HEIN, CHRISTOPHER D., US  
[71] ALLERGAN, INC., US  
[85] 2016-12-02  
[86] 2015-06-05 (PCT/US2015/034566)  
[87] (WO2015/188152)  
[30] US (62/009,028) 2014-06-06

[21] **2,953,243**  
[13] A1

[51] **Int.Cl. A61K 31/704 (2006.01) A61K 9/00 (2006.01) A61K 33/30 (2006.01)**

[25] EN

[54] **SWEET TASTE RECEPTOR ANTAGONIST COMPOSITIONS**

[54] **COMPOSITIONS D'ANTAGONISTES DES RECEPTEURS DU GOUT SUCRE**

[72] DUBOIS, GRANT, US  
[72] PERRY, ARIANNE, US  
[72] GOLDSTEIN, ROBERT L., US  
[71] FOUR LLC, US  
[85] 2016-12-05  
[86] 2015-06-12 (PCT/US2015/035578)  
[87] (WO2015/192015)  
[30] US (62/011,096) 2014-06-12  
[30] US (62/025,725) 2014-07-17

[21] **2,953,250**  
[13] A1

[51] **Int.Cl. A46B 9/04 (2006.01) A46B 9/00 (2006.01) A61C 17/00 (2006.01)**

[25] EN

[54] **ORAL-CARE IMPLEMENT HAVING COLOR-COMMUNICATIVE ELEMENT**

[54] **INSTRUMENT DE SOINS BUCCO-DENTAIRE AYANT UN ELEMENT DE COMMUNICATION DE COULEUR**

[72] NEWMAN, MATTHEW LLOYD, US  
[72] WEN, LI, US  
[72] RENO, ELIZABETH ANN BROWN, US  
[72] ALINSKI, JENS, DE  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2016-12-21  
[86] 2015-07-14 (PCT/US2015/040245)  
[87] (WO2016/010945)  
[30] US (14/331,662) 2014-07-15

[21] **2,953,274**  
[13] A1

[51] **Int.Cl. C25C 7/02 (2006.01) C25C 1/12 (2006.01) C25C 7/04 (2006.01) C25C 7/06 (2006.01)**

[25] EN

[54] **CELL FOR METAL ELECTROWINNING**

[54] **CELLULE D'EXTRACTION ELECTROLYTIQUE DE METAL**

[72] FIORUCCI, ALESSANDRO, IT  
[72] IACOPETTI, LUCIANO, IT  
[72] FAITA, GIUSEPPE, IT  
[71] INDUSTRIE DE NORA S.P.A., IT  
[85] 2016-12-21  
[86] 2015-07-30 (PCT/EP2015/067600)  
[87] (WO2016/016406)  
[30] IT (MI2014A001416) 2014-08-01

[21] **2,953,277**  
[13] A1

[51] **Int.Cl. C12Q 1/02 (2006.01) C12N 5/0781 (2010.01) C12N 5/0783 (2010.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C12N 15/00 (2006.01) C12N 15/12 (2006.01) C12N 15/63 (2006.01) C12Q 1/68 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **MEANS AND METHODS FOR DETERMINING T CELL RECOGNITION**

[54] **MOYENS ET PROCEDES POUR DETERMINER UNE RECONNAISSANCE DE LYMPHOCYTES T**

[72] LINNEMAN, CARSTEN, NL  
[72] BIES, LAURA, NL  
[72] VAN BUUREN, MARIT MARTHA, NL  
[72] SCHUMACHER, ANTONIUS NICOLAAS MARIA, NL  
[72] SPITS, HERGEN, NL  
[72] SCHOTTE, REMKO, NL  
[71] STICHTING HET NEDERLANDS KANKER INSTITUUT-ANTONI VAN LEEUWENHOEK ZIEKENHUIS, NL  
[71] AIMM THERAPEUTICS B.V., NL  
[85] 2016-12-02  
[86] 2015-06-05 (PCT/NL2015/050405)  
[87] (WO2015/187018)  
[30] EP (14171396.6) 2014-06-05

[21] **2,953,285**  
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A24D 1/00 (2006.01) A61M 15/00 (2006.01) A61M 15/06 (2006.01) A61M 16/20 (2006.01)**

[25] EN

[54] **NICOTINE DOSAGE REGIMEN**

[54] **SCHEMA POSOLOGIQUE DE NICOTINE**

[72] HEARN, ALEX, GB  
[72] MOYSES, CHRIS, GB  
[72] GONZALEZ CAMPOS, RENE MAURICIO, GB  
[72] GUPTA, RITIKA, GB  
[72] HACKETT, DAVID, GB  
[72] MORRIS, STEPHEN WYNFORD, GB  
[71] KIND CONSUMER LIMITED, GB  
[85] 2016-12-21  
[86] 2015-06-25 (PCT/GB2015/051849)  
[87] (WO2015/198051)  
[30] US (62/016,861) 2014-06-25  
[30] GB (1411345.0) 2014-06-26  
[30] GB (1412130.5) 2014-07-08



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[21] **2,953,301**  
[13] A1

[51] **Int.Cl. B65B 1/02 (2006.01) A47J 31/06 (2006.01) B26F 1/44 (2006.01) B65B 3/02 (2006.01) B65B 9/04 (2006.01) B65B 29/02 (2006.01) B65B 57/10 (2006.01) B65B 61/06 (2006.01)**

[25] EN

[54] **MACHINE AND METHOD FOR MAKING CAPSULES FOR BEVERAGES**

[54] **MACHINE ET PROCEDE POUR FABRIQUER DES CAPSULES POUR BOISSONS**

[72] BARTOLI, ANDREA, IT

[72] TRALDI, FLAVIO, IT

[72] GRILLENZONI, ALESSANDRO, IT

[71] SARONG S.P.A., IT

[85] 2016-12-21

[86] 2015-07-03 (PCT/IB2015/055022)

[87] (WO2016/001883)

[30] IT (BO2014A000379) 2014-07-04

[21] **2,953,314**  
[13] A1

[51] **Int.Cl. B65G 57/00 (2006.01) B65B 5/10 (2006.01) B65B 17/00 (2006.01) B65G 57/03 (2006.01) B65G 57/10 (2006.01) B65G 61/00 (2006.01) B66F 9/02 (2006.01)**

[25] EN

[54] **ASSEMBLY COMPRISING A PALLET LIFT AND A PALLETIZING DEVICE**

[54] **ENSEMBLE COMPRENANT UN MONTE-PALETTES ET UN DISPOSITIF DE PALETTISATION**

[72] HANNESSEN, PIETER GERRIT, NL

[71] QIMAROX PATENTEN B.V., NL

[85] 2016-12-21

[86] 2015-07-07 (PCT/NL2015/050496)

[87] (WO2016/007003)

[30] NL (2013147) 2014-07-08

[21] **2,953,382**  
[13] A1

[51] **Int.Cl. B26B 21/44 (2006.01) B26B 21/52 (2006.01)**

[25] EN

[54] **DISPOSABLE FLUID DISPENSING HAIR REMOVAL DEVICE**

[54] **DISPOSITIF D'EPILATION JETABLE A DISTRIBUTION DE FLUIDE**

[72] SHOREY, ANTHONY WILLIAM, GB

[72] CATON, NICOLA LOUISE, GB

[71] THE GILLETTE COMPANY LLC, US

[85] 2016-12-21

[86] 2015-06-29 (PCT/US2015/038207)

[87] (WO2016/003836)

[30] EP (14175100.8) 2014-06-30

[30] EP (15173130.4) 2015-06-22

[21] **2,953,408**  
[13] A1

[51] **Int.Cl. B62D 63/06 (2006.01) B60D 1/00 (2006.01) B60D 1/62 (2006.01) B62K 27/00 (2006.01) B62L 3/00 (2006.01)**

[25] EN

[54] **TRAILER FOR A BICYCLE**

[54] **REMORQUE POUR BICYCLETTE**

[72] GUNTERSWEILER, RETO, CH

[72] HASENFRATZ, SIMON, CH

[71] BRUGGLI, CH

[85] 2016-12-22

[86] 2015-06-22 (PCT/EP2015/001255)

[87] (WO2016/000810)

[30] DE (10 2014 009 746.3) 2014-07-01

[21] **2,953,479**  
[13] A1

[51] **Int.Cl. B24B 27/00 (2006.01) B24B 21/08 (2006.01)**

[25] EN

[54] **SANDING MACHINE**

[54] **MACHINE A PONCER**

[72] STAGNI, ALBERTO, IT

[71] E.M.C. S.R.L., IT

[85] 2016-12-22

[86] 2015-07-08 (PCT/IB2015/055165)

[87] (WO2016/005918)

[30] IT (BO2014A000392) 2014-07-10

[21] **2,953,487**  
[13] A1

[51] **Int.Cl. E02F 3/58 (2006.01) E02F 3/48 (2006.01) E02F 9/12 (2006.01) E02F 9/20 (2006.01) E02F 9/26 (2006.01)**

[25] EN

[54] **DYNAMIC MOTION OPTIMIZATION FOR EXCAVATING MACHINES**

[54] **OPTIMISATION DE MOUVEMENT DYNAMIQUE POUR MACHINES D'EXCAVATION**

[72] ROBERTSON, DANIEL W., US

[72] JAEGER, JULIAN D., US

[72] MADHAVARAO, GOPALAKRISHNAN, US

[71] SIEMENS INDUSTRY, INC., US

[85] 2016-12-22

[86] 2015-06-24 (PCT/US2015/037404)

[87] (WO2015/200475)

[30] US (62/016,856) 2014-06-25

[21] **2,953,512**  
[13] A1

[51] **Int.Cl. E02F 3/58 (2006.01) E02F 3/48 (2006.01) E02F 9/20 (2006.01) E02F 9/24 (2006.01) E02F 9/26 (2006.01)**

[25] EN

[54] **OPERATOR ASSIST FEATURES FOR EXCAVATING MACHINES BASED ON PERCEPTION SYSTEM FEEDBACK**

[54] **ELEMENTS D'AIDE A L'OPERATEUR POUR MACHINES D'EXCAVATION BASES SUR LE RETOUR D'UN SYSTEME DE PERCEPTION**

[72] ROBERTSON, DANIEL W., US

[72] JAEGER, JULIAN D., US

[72] EIDENBERGER, ROBERT, DE

[71] SIEMENS INDUSTRY, INC., US

[85] 2016-12-22

[86] 2015-06-24 (PCT/US2015/037419)

[87] (WO2015/200483)

[30] US (62/016,875) 2014-06-25

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[21] **2,953,542**  
[13] A1

[51] **Int.Cl. G01V 3/20 (2006.01) E21B 47/113 (2012.01) E21B 47/09 (2012.01)**

[25] EN

[54] **ELECTROMAGNETIC TIME-LAPSE REMOTE SENSING OF RESERVOIR CONDITIONS**

[54] **DETECTION ELECTROMAGNETIQUE DISTANTE A INTERVALLES DE CONDITIONS DE RESERVOIR**

[72] SENA, ARMANDO RUGGIERO, SA

[71] SAUDI ARABIAN OIL COMPANY, SA

[85] 2016-12-22

[86] 2015-06-30 (PCT/US2015/038437)

[87] (WO2016/003973)

[30] US (14/323,120) 2014-07-03

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[21] **2,953,571**  
[13] A1

[51] **Int.Cl. E21B 43/26 (2006.01) E21B 33/138 (2006.01) E21B 43/117 (2006.01) E21B 43/119 (2006.01) E21B 43/267 (2006.01)**

[25] EN

[54] **METHODS FOR MULTI-ZONE FRACTURE STIMULATION OF A WELL**

[54] **PROCEDES DE STIMULATION DE FRACTURE DE PLUSIEURS ZONES D'UN Puits**

[72] TOLMAN, RANDY C., US

[72] ENTCHEV, PAVLIN B., NO

[72] MORROW, TIMOTHY I., US

[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US

[85] 2016-12-22

[86] 2015-07-10 (PCT/US2015/040025)

[87] (WO2016/022252)

[30] US (62/035,282) 2014-08-08

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[21] **2,953,581**  
[13] A1

[51] **Int.Cl. A01D 34/00 (2006.01) A01D 75/00 (2006.01) G05D 1/02 (2006.01)**

[25] EN

[54] **ROBOTIC MOWING OF SEPARATED LAWN AREAS**

[54] **TONTE PAR TONDEUSE A GAZON ROBOTISEE DE ZONES DE GAZON SEPARÉES**

[72] BALUTIS, PAUL C., US

[72] BEAULIEU, ANDREW, US

[72] YAMAUCHI, BRIAN, US

[71] IROBOT CORPORATION, US

[85] 2016-12-22

[86] 2015-09-16 (PCT/US2015/050482)

[87] (WO2016/105609)

[30] US (14/579,080) 2014-12-22

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[21] **2,953,587**  
[13] A1

[51] **Int.Cl. B60K 37/00 (2006.01) H04W 12/06 (2009.01) G06F 21/30 (2013.01) G06F 21/62 (2013.01)**

[25] EN

[54] **IN-VEHICLE SHARED-SCREEN SYSTEM WITH WRITE BACK TO MULTIPLE USER ACCOUNTS**

[54] **SYSTEME A BORD D'UN VEHICULE, A ECRAN PARTAGE ET A ECRITURE REPERCUTEE SUR DE MULTIPLES COMPTES D'UTILISATEURS**

[72] TAMP, FABIAN JOHN, AU

[71] GOOGLE INC., US

[85] 2016-12-22

[86] 2016-05-04 (PCT/US2016/030858)

[87] (WO2016/191064)

[30] US (14/721,756) 2015-05-26

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[21] **2,953,633**  
[13] A1

[51] **Int.Cl. A61K 31/202 (2006.01) A61K 9/48 (2006.01) A61P 17/00 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITIONS COMPRISING DGLA AND USE OF SAME**

[54] **COMPOSITIONS PHARMACEUTIQUES COMPRENANT DGLA ET UTILISATION DE CELLES-CI**

[72] MANKU, MEHAR, GB

[72] COUGHLAN, DAVID, IE

[72] CLIMAX, JOHN, IE

[72] DUNNE, JAMES, IE

[71] DIGNITY SCIENCES LIMITED, IE

[85] 2016-12-23

[86] 2015-06-04 (PCT/EP2015/062518)

[87] (WO2015/185698)

[30] US (62/007,752) 2014-06-04

[30] US (62/058,469) 2014-10-01

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[21] **2,953,695**  
[13] A1

[51] **Int.Cl. E21B 33/068 (2006.01) E21B 23/08 (2006.01) E21B 33/12 (2006.01)**

[25] EN

[54] **BALL INSERTION DEVICE FOR USE IN OIL AND GAS WELLS**

[54] **DISPOSITIF D'INSERTION DE BALLE DESTINE AUX Puits DE PETROLE ET DE GAZ**

[72] PENNY, BRADLEY ERIC, CA

[72] HOLMES, CURTIS BERNARD, CA

[72] GALLAGHER, PATRICK JOHN, CA

[71] FMC TECHNOLOGIES CANADA LTD., CA

[85] 2017-01-05

[86] 2016-07-20 (PCT/CA2016/050851)

[87] (2953695)

[30] US (14/830,825) 2015-08-20

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| [21] <b>2,953,803</b><br>[13] A1                                                                                                                                  | [21] <b>2,953,861</b><br>[13] A1                                                                                              | [21] <b>2,953,927</b><br>[13] A1                                                   |
| [51] <b>Int.Cl. C10B 49/16 (2006.01) B01J 8/08 (2006.01) B01J 8/12 (2006.01) B01J 8/18 (2006.01) B01J 8/34 (2006.01) B01J 8/38 (2006.01) C10B 53/02 (2006.01)</b> | [51] <b>Int.Cl. C09D 175/04 (2006.01) C08J 7/04 (2006.01) C09D 7/12 (2006.01) C09D 129/10 (2006.01) C09D 171/12 (2006.01)</b> | [51] <b>Int.Cl. B22F 3/10 (2006.01) B33Y 70/00 (2015.01) C04B 35/634 (2006.01)</b> |
| [25] EN                                                                                                                                                           | [25] EN                                                                                                                       | [25] EN                                                                            |
| [54] <b>DUAL BED PYROLYSIS SYSTEM AND METHOD</b>                                                                                                                  | [54] <b>BARRIER LAYER AND THEIR USE IN COATING SYSTEMS ON PLASTIC SUBSTRATES</b>                                              | [54] <b>MIXTURE FOR USE IN A FUSED FILAMENT FABRICATION PROCESS</b>                |
| [54] <b>SYSTEME ET PROCEDE DE PYROLYSE A LIT DOUBLE</b>                                                                                                           | [54] <b>COUCHE BARRIERE ET SON UTILISATION DANS DES SYSTEMES DE REVETEMENT DE SUBSTATS EN MATIERE PLASTIQUE</b>               | [54] <b>MELANGE A UTILISER DANS UN PROCEDE DE FABRICATION DE FILAMENT FONDU</b>    |
| [72] ABDULLAH, ZIA, US                                                                                                                                            | [72] KARL, HANS-JURGEN, DE                                                                                                    | [72] NESTLE, NIKOLAUS, DE                                                          |
| [72] O'BRIAN, MICHAEL A., US                                                                                                                                      | [71] MANKIEWICZ GEBR. & CO. GMBH & CO. KG, DE                                                                                 | [72] HERMANT, MARIE-CLAIRE, DE                                                     |
| [72] WINECKI, SLAWOMIR, US                                                                                                                                        | [85] 2016-12-29                                                                                                               | [72] SCHMIDT, KRIS, US                                                             |
| [72] TAHA, RACHID, US                                                                                                                                             | [86] 2015-09-30 (PCT/DE2015/000475)                                                                                           | [71] BASF SE, DE                                                                   |
| [71] BATELLE MEMORIAL INSTITUTE, US                                                                                                                               | [87] (WO2016/050231)                                                                                                          | [85] 2016-12-29                                                                    |
| [85] 2016-12-23                                                                                                                                                   | [30] DE (DE 10 2014 014 098.9) 2014-09-30                                                                                     | [86] 2015-07-22 (PCT/EP2015/066728)                                                |
| [86] 2015-05-22 (PCT/US2015/032234)                                                                                                                               |                                                                                                                               | [87] (WO2016/012486)                                                               |
| [87] (WO2015/179794)                                                                                                                                              |                                                                                                                               | [30] US (62/027,264) 2014-07-22                                                    |
| [30] US (62/002,779) 2014-05-23                                                                                                                                   |                                                                                                                               | [30] EP (15152349.5) 2015-01-23                                                    |
| [21] <b>2,953,846</b><br>[13] A1                                                                                                                                  | [21] <b>2,953,879</b><br>[13] A1                                                                                              | [21] <b>2,953,929</b><br>[13] A1                                                   |
| [51] <b>Int.Cl. E01B 29/16 (2006.01) E01B 27/17 (2006.01) E01B 29/20 (2006.01)</b>                                                                                | [51] <b>Int.Cl. C01F 11/18 (2006.01) C08K 3/26 (2006.01) C09C 1/02 (2006.01) C09C 3/04 (2006.01)</b>                          | [51] <b>Int.Cl. B22F 9/22 (2006.01)</b>                                            |
| [25] EN                                                                                                                                                           | [25] EN                                                                                                                       | [25] EN                                                                            |
| [54] <b>MACHINE FOR STABILIZING A TRACK</b>                                                                                                                       | [54] <b>DRYING PROCESS</b>                                                                                                    | [54] <b>METHOD FOR PREPARING ACTIVE PALLADIUM(0) POWDER</b>                        |
| [54] <b>MACHINE POUR LA STABILISATION D'UNE VOIE</b>                                                                                                              | [54] <b>PROCEDE DE SECHAGE</b>                                                                                                | [54] <b>PROCEDE DE PRODUCTION DE POUDRE DE PALLADIUM(0)ACTIF</b>                   |
| [72] LINTZ, GERARD, FR                                                                                                                                            | [72] BURI, MATTHIAS, CH                                                                                                       | [72] STETTNER, MARTIN, DE                                                          |
| [71] PLASSER & THEURER EXPORT VON BAHNBAUMASCHINEN GESELLSCHAFT M.B.H., AT                                                                                        | [72] RIDGWAY, CATHERINE JEAN, CH                                                                                              | [72] VON EIFF, HERMANN, DE                                                         |
| [85] 2016-12-29                                                                                                                                                   | [72] GANE, PATRICK A. C., CH                                                                                                  | [72] THIEL, VASCO, DE                                                              |
| [86] 2015-07-16 (PCT/EP2015/001458)                                                                                                                               | [72] RENTSCH, SAMUEL, CH                                                                                                      | [72] VOSS, STEFFEN, DE                                                             |
| [87] (WO2016/023609)                                                                                                                                              | [72] BURKHALTER, RENE, CH                                                                                                     | [71] HERAEUS DEUTSCHLAND GMBH & CO. KG, DE                                         |
| [30] AT (A 630/2014) 2014-08-13                                                                                                                                   | [72] SENTI-WENK, ARMELLE, CH                                                                                                  | [85] 2016-12-29                                                                    |
| [30] AT (A 110/2015) 2015-03-03                                                                                                                                   | [72] BRUNNER, MARTIN, CH                                                                                                      | [86] 2015-08-18 (PCT/EP2015/068924)                                                |
|                                                                                                                                                                   | [72] MORIERAS, GIL, CH                                                                                                        | [87] (WO2016/026847)                                                               |
|                                                                                                                                                                   | [72] FORNERA, TAZIO, CH                                                                                                       | [30] EP (14181352.7) 2014-08-19                                                    |
|                                                                                                                                                                   | [71] OMYA INTERNATIONAL AG, CH                                                                                                |                                                                                    |
|                                                                                                                                                                   | [85] 2016-12-29                                                                                                               |                                                                                    |
|                                                                                                                                                                   | [86] 2015-06-25 (PCT/EP2015/064339)                                                                                           |                                                                                    |
|                                                                                                                                                                   | [87] (WO2016/005191)                                                                                                          |                                                                                    |
|                                                                                                                                                                   | [30] EP (14176785.5) 2014-07-11                                                                                               |                                                                                    |
|                                                                                                                                                                   | [30] US (62/030,150) 2014-07-29                                                                                               |                                                                                    |

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[21] **2,954,095**  
[13] A1

[51] **Int.Cl. E02F 9/28 (2006.01) E02F 3/24 (2006.01) E02F 3/92 (2006.01)**

[25] EN

[54] **TOOTH AND ADAPTOR FOR DREDGING MACHINE**

[54] **DENT ET ADAPTATEUR POUR MACHINE DE DRAGAGE**

[72] TRIGINER BOIXEDA, JORGE, ES

[72] TUTO, JOAN, ES

[72] ALVAREZ PORTELLA, EDUARD, ES

[72] BRUFAU GUINOVART, JORDI, ES

[71] METALOGENIA RESEARCH & TECHNOLOGIES S.L., ES

[85] 2017-01-03

[86] 2015-07-10 (PCT/EP2015/065875)

[87] (WO2016/005581)

[30] EP (14382271.6) 2014-07-11

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[21] **2,954,134**  
[13] A1

[51] **Int.Cl. E04D 13/18 (2014.01) H02S 20/23 (2014.01) H02S 40/34 (2014.01)**

[25] FR

[54] **PANEL EQUIPPED WITH A PHOTOVOLTAIC DEVICE**

[54] **PANNEAU MUNI D'UN DISPOSITIF PHOTOVOLTAIQUE**

[72] VIGNAL, RENAUD, FR

[72] GERON, LAURENT, BE

[71] ARCELORMITTAL, LU

[85] 2017-01-03

[86] 2015-07-01 (PCT/IB2015/001092)

[87] (WO2016/001738)

[30] IB (PCT/IB2014/001240) 2014-07-01

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[21] **2,954,147**  
[13] A1

[51] **Int.Cl. B24C 5/04 (2006.01) B24C 7/00 (2006.01) B24C 9/00 (2006.01)**

[25] EN

[54] **APPARATUS FOR CLEANING SURFACES**

[54] **APPAREIL PERMETTANT DE NETTOYER DES SURFACES**

[72] GIOVANNINI, CATERINA, IT

[71] IBIX S.R.L., IT

[85] 2017-01-03

[86] 2015-08-06 (PCT/IB2015/055980)

[87] (WO2016/020877)

[30] IT (BO2014A000459) 2014-08-08

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[21] **2,954,200**  
[13] A1

[51] **Int.Cl. A01D 34/00 (2006.01) A01D 75/00 (2006.01) G05D 1/02 (2006.01)**

[25] EN

[54] **ROBOTIC LAWN MOWING BOUNDARY DETERMINATION**

[54] **DETERMINATION DE LIMITE DE TONTE DE GAZON ROBOTIQUE**

[72] YAMAUCHI, BRIAN, US

[72] BEAULIEU, ANDREW, US

[72] BALUTIS, PAUL C., US

[71] IROBOT CORPORATION, US

[85] 2017-01-03

[86] 2015-09-17 (PCT/US2015/050775)

[87] (WO2016/057185)

[30] US (14/512,098) 2014-10-10

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[21] **2,954,221**  
[13] A1

[51] **Int.Cl. C07K 14/51 (2006.01) A61K 38/18 (2006.01) A61K 38/19 (2006.01) A61P 9/00 (2006.01) A61P 11/00 (2006.01) C12N 15/18 (2006.01) C12N 15/85 (2006.01)**

[25] EN

[54] **THERAPEUTIC USE OF BONE MORPHOGENETIC PROTEINS**

[54] **UTILISATION THERAPEUTIQUE DE PROTEINES MORPHOGENETIQUES OSSEUSES**

[72] MORRELL, NICHOLAS W., GB

[72] LI, WEI, GB

[72] UPTON, PAUL D., GB

[71] CAMBRIDGE ENTERPRISE LIMITED, GB

[85] 2017-01-04

[86] 2015-07-09 (PCT/GB2015/051989)

[87] (WO2016/005756)

[30] GB (1412290.7) 2014-07-10

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[21] **2,954,226**  
[13] A1

[51] **Int.Cl. B62D 25/20 (2006.01) B60P 7/08 (2006.01) B60R 5/04 (2006.01) B60R 13/01 (2006.01)**

[25] EN

[54] **A FLOOR SYSTEM, A VEHICLE, SUCH AS A SERVICE VEHICLE, COMPRISING SUCH A FLOOR SYSTEM AND A METHOD OF INSTALLING SUCH A FLOOR SYSTEM**

[54] **SYSTEME DE PLANCHER, VEHICULE, TEL QU'UN VEHICULE DE SERVICE, COMPRENANT UN TEL SYSTEME DE PLANCHER, ET PROCEDE D'INSTALLATION D'UN TEL SYSTEME DE PLANCHER**

[72] CARLSSON, ANDERS, SE

[71] MODUL-SYSTEM HH AB, SE

[85] 2017-01-04

[86] 2015-06-18 (PCT/EP2015/063672)

[87] (WO2016/005162)

[30] EP (14176339.1) 2014-07-09

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[21] **2,954,227**  
[13] A1

[51] **Int.Cl. B29C 45/16 (2006.01) B29C 45/14 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING A PLASTIC VEHICLE ATTACHMENT PART**

[54] **PROCEDE DE FABRICATION D'UNE PIECE RAPPORTEE DE VEHICULE EN MATIERE PLASTIQUE**

[72] BENYAHIA, RYM, DE

[72] LUX, THOMAS, DE

[72] TURAN, AHMET, DE

[72] FOURNIER, NICOLAS, DE

[71] SAINT-GOBAIN GLASS FRANCE, FR

[85] 2017-01-04

[86] 2015-07-09 (PCT/EP2015/065660)

[87] (WO2016/008790)

[30] EP (14177427.3) 2014-07-17

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[21] **2,954,250**  
[13] A1  
[51] **Int.Cl. A43B 23/07 (2006.01) A43B 19/00 (2006.01) A43B 23/02 (2006.01) A43B 23/04 (2006.01) A43B 23/16 (2006.01)**  
[25] FR  
[54] **ITEM OF FOOTWEAR OF IMPROVED STRUCTURE**  
[54] **ARTICLE CHAUSSANT A STRUCTURE AMELIOREE**  
[72] BOUCHER, BEATRICE, FR  
[72] GAUTIER, GERARD, FR  
[71] SALOMON SAS., FR  
[85] 2017-01-04  
[86] 2015-07-07 (PCT/FR2015/000136)  
[87] (WO2016/009115)  
[30] FR (14/01631) 2014-07-18

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[21] **2,954,273**  
[13] A1  
[51] **Int.Cl. E04B 1/61 (2006.01) E04B 1/14 (2006.01) E04B 1/21 (2006.01) E04B 1/41 (2006.01) E04B 1/62 (2006.01) E04C 1/41 (2006.01)**  
[25] EN  
[54] **COMPRESSION TRANSFER MEMBER**  
[54] **ELEMENT DE TRANSFERT DE COMPRESSION**  
[72] SESHAPPA, VENKATESH, US  
[72] DIXON, DARRYL E., US  
[71] COMPOSITE TECHNOLOGIES CORPORATION, US  
[85] 2017-01-04  
[86] 2015-07-07 (PCT/US2015/039332)  
[87] (WO2016/007479)  
[30] US (62/021,537) 2014-07-07

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[21] **2,954,275**  
[13] A1  
[51] **Int.Cl. A01G 9/10 (2006.01) A01G 9/04 (2006.01) A01G 27/00 (2006.01)**  
[25] EN  
[54] **METHOD FOR THE CULTIVATION OF PLANTS USING A CARRIER WITH A REMOVABLE SIDE SUPPORT STRUCTURE ARRANGED THEREON**  
[54] **PROCEDE PERMETTANT LA CULTURE DE PLANTES AU MOYEN D'UN SUPPORT AYANT UNE STRUCTURE DE SUPPORT LATERALE AMOVIBLE**  
[54] **AGENCEE SUR CE DERNIER**  
[72] NOORDAM, CHRISTIAAN SILVESTER, NL  
[72] VAN DER KNAAP, MAURICE CORNELIS ANTONIUS, NL  
[71] CULTIVATION SYSTEMS B.V., NL  
[85] 2017-01-04  
[86] 2015-07-08 (PCT/NL2015/050499)  
[87] (WO2016/007005)  
[30] NL (2013161) 2014-07-10

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[21] **2,954,309**  
[13] A1  
[51] **Int.Cl. B23K 9/24 (2006.01) B23K 9/16 (2006.01) B23K 9/167 (2006.01) B23K 35/02 (2006.01) H05H 1/28 (2006.01) H05H 1/34 (2006.01)**  
[25] EN  
[54] **A METHOD FOR TUNGSTEN SHIELDED WELDING**  
[54] **PROCEDE DE SOUDAGE AU TUNGSTENE SOUS PROTECTION GAZEUSE**  
[72] SIEWERT, ERWAN, DE  
[71] LINDE AKTIENGESELLSCHAFT, DE  
[85] 2017-01-05  
[86] 2015-07-07 (PCT/EP2015/001383)  
[87] (WO2016/008573)  
[30] DE (10 2014 010 489.3) 2014-07-15  
[30] DE (10 2015 001 456.0) 2015-02-05

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[21] **2,954,310**  
[13] A1  
[51] **Int.Cl. F16D 3/41 (2006.01) B21B 35/14 (2006.01) F16D 3/16 (2006.01) F16D 3/38 (2006.01)**  
[25] EN  
[54] **COVER ASSEMBLY FOR THE CIRCULAR BEARING PORT OF A UNIVERSAL JOINT**  
[54] **ENSEMBLE DE COUVERTURE POUR L'ORIFICE DE PALIER CIRCULAIRE D'UN JOINT UNIVERSEL**  
[72] OSGOOD, PETER N., US  
[71] PRIMETALS TECHNOLOGIES USA LLC, US  
[85] 2017-01-04  
[86] 2015-08-25 (PCT/US2015/046723)  
[87] (WO2016/033062)  
[30] US (62/042,315) 2014-08-27  
[30] US (14/817,571) 2015-08-04

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[21] **2,954,313**  
[13] A1  
[51] **Int.Cl. B65H 51/14 (2006.01) B63B 21/04 (2006.01) B63B 21/66 (2006.01) B63B 27/00 (2006.01) B63G 8/39 (2006.01) B65H 51/02 (2006.01) H02G 1/10 (2006.01)**  
[25] EN  
[54] **DEVICE FOR TOWING A VERY LONG TUBULAR OBJECT**  
[54] **DISPOSITIF DE HALAGE D'UN OBJET DE FORME TUBULAIRE DE GRANDE LONGUEUR**  
[72] LONGUET, JEAN-PHILIPPE, FR  
[72] LE GRAS, HERVE, FR  
[72] COSSON, OLIVIER, FR  
[72] PEDEN, BENOIT, FR  
[72] LAGADEC, JEAN, FR  
[71] THALES, FR  
[85] 2017-01-04  
[86] 2015-07-06 (PCT/EP2015/065325)  
[87] (WO2016/001443)  
[30] FR (1401505) 2014-07-04

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[21] **2,954,319**  
[13] A1  
[51] **Int.Cl. B26D 1/553 (2006.01)**  
[25] EN  
[54] **CUTTING DEVICE**  
[54] **DISPOSITIF DE COUPE**  
[72] SJODEN, TORD, SE  
[71] GRADE GROUP AS, NO  
[85] 2017-01-04  
[86] 2015-06-30 (PCT/EP2015/064810)  
[87] (WO2016/005228)  
[30] SE (1450875-8) 2014-07-08

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[21] **2,954,321**  
[13] A1

[51] **Int.Cl. C04B 24/12 (2006.01) C04B 26/02 (2006.01) C04B 28/00 (2006.01)**

[25] FR

[54] **MORTAR COMPOSITION FOR AN INTERIOR COATING OR LINING**

[54] **COMPOSITION DE MORTIER POUR ENDUIT OU REVETEMENT D'INTERIEUR**

[72] MAIER, WOLFRAM, DE

[71] SAINT-GOBAIN WEBER, FR

[85] 2017-01-04

[86] 2015-07-07 (PCT/FR2015/051878)

[87] (WO2016/012686)

[30] FR (1457165) 2014-07-24

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[21] **2,954,323**  
[13] A1

[51] **Int.Cl. B01D 61/18 (2006.01) A61M 1/16 (2006.01) A61M 1/34 (2006.01) A61M 5/165 (2006.01) B01D 27/00 (2006.01)**

[25] EN

[54] **FILTER MODULE**

[54] **MODULE FILTRANT**

[72] LOMBARDO, EUGENIO, IT

[72] GANZERLI, STEFANO, IT

[72] MANFREDINI, MATTEO, IT

[72] MORINI, MARCO, IT

[71] GAMBRO LUNDIA AB, SE

[85] 2017-01-05

[86] 2015-08-05 (PCT/EP2015/068004)

[87] (WO2016/020412)

[30] EP (14179850.4) 2014-08-05

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[21] **2,954,342**  
[13] A1

[51] **Int.Cl. A61B 34/10 (2016.01) A61B 34/20 (2016.01) A61B 1/233 (2006.01) A61B 17/24 (2006.01)**

[25] EN

[54] **GUIDEWIRE NAVIGATION FOR SINUPLASTY**

[54] **NAVIGATION PAR FIL-GUIDE POUR SINUPLASTIE**

[72] KESTEN, RANDY J., US

[72] GIROTRA, ROHIT, US

[71] ACCLARENT, INC., US

[85] 2017-01-04

[86] 2015-07-08 (PCT/US2015/039506)

[87] (WO2016/007595)

[30] US (62/022,607) 2014-07-09

[30] US (62/052,391) 2014-09-18

[30] US (14/792,839) 2015-07-07

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[21] **2,954,356**  
[13] A1

[51] **Int.Cl. B28B 11/06 (2006.01) C04B 41/45 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING CONCRETE ELEMENTS**

[54] **PROCEDE DE FABRICATION D'ELEMENTS EN BETON**

[72] METTEN, MICHAEL, DE

[71] METTEN STEIN+DESIGN GMBH & CO. KG, DE

[85] 2017-01-05

[86] 2015-07-10 (PCT/EP2015/065852)

[87] (WO2016/005566)

[30] DE (10 2014 010 259.9) 2014-07-11

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[21] **2,954,362**  
[13] A1

[51] **Int.Cl. B65H 51/14 (2006.01) B63B 21/04 (2006.01) B63B 21/66 (2006.01) B63B 27/00 (2006.01) B63G 8/39 (2006.01) B65H 51/02 (2006.01) H02G 1/10 (2006.01)**

[25] EN

[54] **DEVICE FOR TOWING A VERY LONG TUBULAR OBJECT**

[54] **DISPOSITIF DE HALAGE D'UN OBJET DE FORME TUBULAIRE DE GRANDE LONGUEUR**

[72] LONGUET, JEAN-PHILIPPE, FR

[72] LE GRAS, HERVE, FR

[72] COSSON, OLIVIER, FR

[72] PEDEN, BENOIT, FR

[72] LAGADEC, JEAN, FR

[71] THALES, FR

[85] 2017-01-04

[86] 2015-07-06 (PCT/EP2015/065327)

[87] (WO2016/001444)

[30] FR (14/01504) 2014-07-04

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[21] **2,954,373**  
[13] A1

[51] **Int.Cl. A61B 5/024 (2006.01) A61B 5/0205 (2006.01) A61B 5/11 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR REDUCING ENERGY CONSUMPTION OF A HEART RATE MONITOR**

[54] **METHODES ET SYSTEMES PERMETTANT DE REDUIRE LA CONSOMMATION D'ENERGIE D'UN MONITEUR DE FREQUENCE CARDIAQUE**

[72] SAMADANI, RAMIN, US

[72] PITIGOI-ARON, RADU, US

[72] MCGLOIN, JUSTIN PATRICK, US

[71] QUALCOMM INCORPORATED, US

[85] 2017-01-05

[86] 2015-06-10 (PCT/US2015/035159)

[87] (WO2016/010652)

[30] US (14/332,918) 2014-07-16

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[21] **2,954,382**  
[13] A1

[51] **Int.Cl. A61M 25/06 (2006.01) A61M 5/158 (2006.01) A61M 5/162 (2006.01) A61M 39/04 (2006.01)**

[25] EN

[54] **A FLUID TRANSFER DEVICE OR SET WITH RETRACTABLE NEEDLE AND SEPTUM**

[54] **DISPOSITIF OU ENSEMBLE DE TRANSFERT DE FLUIDE AYANT UNE AIGUILLE RETRACTABLE ET UNE CLOISON**

[72] ISAACSON, S. RAY, US

[72] SONDEREGGER, RALPH L., US

[71] BECTON, DICKINSON AND COMPANY, US

[85] 2017-01-05

[86] 2015-07-06 (PCT/US2015/039260)

[87] (WO2016/007438)

[30] US (14/326,032) 2014-07-08

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[21] **2,954,390**  
[13] A1

[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/153 (2006.01) A61M 5/158 (2006.01) A61M 25/06 (2006.01)**

[25] EN

[54] **INTRAVENOUS NEEDLE ASSEMBLY HAVING BLOOD DISPENSING CAPABILITIES**

[54] **ENSEMBLE D'AIGUILLE INTRA VEINEUSE AYANT DES CAPACITES DE DISTRIBUTION DE SANG**

[72] BURKHOLZ, JONATHAN KARL, US  
[72] INGLEBY, J'LYNN, US  
[71] BECTON, DICKINSON AND COMPANY, US  
[85] 2017-01-05  
[86] 2015-07-06 (PCT/US2015/039263)  
[87] (WO2016/007441)  
[30] US (14/326,078) 2014-07-08

[21] **2,954,391**  
[13] A1

[51] **Int.Cl. A61M 25/06 (2006.01) A61M 5/158 (2006.01) A61M 25/00 (2006.01)**

[25] EN

[54] **PERIPHERAL INTRAVENOUS CATHETER WITH WINGED GRIP**

[54] **CATHETER INTRA VEINEUX PERIPHERIQUE AVEC ELEMENT DE PREHENSION A AILETTE**

[72] BURKHOLZ, JONATHAN KARL, US  
[72] ISAACSON, S. RAY, US  
[71] BECTON, DICKINSON AND COMPANY, US  
[85] 2017-01-05  
[86] 2015-07-06 (PCT/US2015/039265)  
[87] (WO2016/007442)  
[30] US (14/326,087) 2014-07-08

[21] **2,954,394**  
[13] A1

[51] **Int.Cl. A01N 47/44 (2006.01) A01P 1/00 (2006.01) A61K 9/00 (2006.01) A61L 2/00 (2006.01)**

[25] EN

[54] **ANTIMICROBIAL WASH**

[54] **PRODUIT DE LAVAGE ANTIMICROBIEN**

[72] WEN, JIE, US  
[72] OLIVER, DANA A., US  
[71] MEDTRONIC XOMED, INC., US  
[85] 2017-01-05  
[86] 2015-07-07 (PCT/US2015/039283)  
[87] (WO2016/007451)  
[30] US (14/328,841) 2014-07-11

[21] **2,954,405**  
[13] A1

[51] **Int.Cl. E01C 13/08 (2006.01) B65H 79/00 (2006.01) D05C 15/18 (2006.01) E01C 19/00 (2006.01) E01C 19/52 (2006.01)**

[25] EN

[54] **DEVICE FOR INSERTING ARTIFICIAL GRASS STRANDS INTO THE GROUND**

[54] **DISPOSITIF D'INSERTION DE BRINS D'HERBE ARTIFICIEL DANS LE SOL**

[72] SCHUURMAN, THOMAS, NL  
[72] MULLAN, GEORGE, IE  
[71] SISGRASS B.V., NL  
[85] 2017-01-05  
[86] 2016-01-19 (PCT/NL2016/050043)  
[87] (WO2016/122312)  
[30] NL (2014189) 2015-01-26

[21] **2,954,406**  
[13] A1

[51] **Int.Cl. A01B 15/00 (2006.01) A01B 3/42 (2006.01) A01B 3/46 (2006.01) A01B 63/16 (2006.01)**

[25] EN

[54] **PIVOTING SUPPORT WHEEL FOR MOUNTING ON A PLOW FRAME**

[54] **ROUE DE PROFONDEUR ORIENTABLE DESTINEE A ETRE MONTEE SUR LE BATI D'UNE CHARRUE**

[72] SIEBERS, JOSEF, DE  
[71] LEMKEN GMBH & CO. KG, DE  
[85] 2017-01-05  
[86] 2015-07-09 (PCT/DE2015/100292)  
[87] (WO2016/004926)  
[30] DE (10 2014 109 605.3) 2014-07-09

[21] **2,954,412**  
[13] A1

[51] **Int.Cl. B32B 27/00 (2006.01) B32B 15/08 (2006.01) B32B 27/08 (2006.01) B32B 37/06 (2006.01)**

[25] EN

[54] **THIN RESIN FILMS AND THEIR USE IN LAYUPS**

[54] **FILMS MINCES DE RESINE ET LEUR UTILISATION DANS DES EMPILEMENTS**

[72] SCHUMACHER, JOHANN RICHARD, US  
[71] ISOLA USA CORP., US  
[85] 2017-01-05  
[86] 2015-07-09 (PCT/US2015/039698)  
[87] (WO2016/007718)  
[30] US (62/023,154) 2014-07-10

[21] **2,954,424**  
[13] A1

[51] **Int.Cl. E21B 17/04 (2006.01) E21B 4/02 (2006.01) F16D 3/20 (2006.01)**

[25] EN

[54] **UNIVERSAL DRIVESHAFT ASSEMBLY**

[54] **ENSEMBLE ARBRE DE TRANSMISSION UNIVERSEL**

[72] MARCHAND, NICHOLAS RYAN, CA  
[72] KALANTARI, MASOUD, CA  
[71] NATIONAL OILWELL VARCO, L.P., US  
[85] 2017-01-05  
[86] 2015-07-15 (PCT/US2015/040513)  
[87] (WO2016/011120)  
[30] US (62/025,322) 2014-07-16  
[30] US (62/025,326) 2014-07-16

[21] **2,954,455**  
[13] A1

[51] **Int.Cl. C08G 65/333 (2006.01) C08B 37/00 (2006.01) C08G 81/00 (2006.01) C08J 3/075 (2006.01)**

[25] FR

[54] **METHOD FOR MODIFYING POLYSACCHARIDES BY GRAFTING POLYETHERAMINES, POLYSACCHARIDES THUS MODIFIED AND PREPARATIONS COMPRISING SAME AND HAVING HEAT-SENSITIVE RHEOLOGICAL PROPERTIES**

[54] **PROCEDE DE MODIFICATION DE POLYSACCHARIDES PAR GREFFAGE DE POLYETHERAMINES, POLYSACCHARIDES AINSI MODIFIES ET PREPARATIONS LES COMPORTANT ET PRESENTANT DES PROPRIETES RHEOLOGIQUESTHERMOSENSIBLES**

[72] SOUGUIR, ZIED, FR  
[72] DEMANGE, ELISE, FR  
[71] CELENYS, FR  
[85] 2017-01-06  
[86] 2015-07-08 (PCT/FR2015/051883)  
[87] (WO2016/005700)  
[30] FR (1401564) 2014-07-11

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[21] **2,954,459**  
[13] A1

[51] **Int.Cl. C11D 3/37 (2006.01) C11D 3/26 (2006.01) C11D 3/60 (2006.01)**

[25] FR

[54] **FABRIC SOFTENING COMPOSITION COMPRISING A HEUR THICKENER**

[54] **COMPOSITION D'ASSOULPISSEMENT DES TISSUS COMPRENANT UN EPAISSISSANT HEUR**

[72] KENSICHER, YVES, FR

[72] MATTER, YVES, FR

[72] SUAU, JEAN-MARC, FR

[71] COATEX, FR

[85] 2017-01-06

[86] 2015-07-16 (PCT/FR2015/051945)

[87] (WO2016/009149)

[30] FR (1456932) 2014-07-18

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[21] **2,954,462**  
[13] A1

[51] **Int.Cl. C03B 33/03 (2006.01) C03B 33/033 (2006.01) C03B 33/037 (2006.01) C03B 33/04 (2006.01) C03B 33/10 (2006.01)**

[25] FR

[54] **METHOD FOR BREAKING A GLASS SHEET**

[54] **PROCEDE DE ROMPAGE D'UNE FEUILLE DE VERRE**

[72] DUMENIL, THIERRY, FR

[72] BURELOUX, DOMINIQUE, FR

[71] SAINT-GOBAIN GLASS FRANCE, FR

[85] 2017-01-06

[86] 2015-07-23 (PCT/FR2015/052043)

[87] (WO2016/012725)

[30] FR (1457171) 2014-07-24

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[21] **2,954,468**  
[13] A1

[51] **Int.Cl. C03B 33/03 (2006.01) C03B 33/033 (2006.01) C03B 33/04 (2006.01)**

[25] FR

[54] **METHOD FOR MANUFACTURING SHEETS OF GLASS OF COMPLEX SHAPE**

[54] **PROCEDE DE FABRICATION DE FEUILLES DE VERRE DE FORME COMPLEXE**

[72] DUMENIL, THIERRY, FR

[72] BURELOUX, DOMINIQUE, FR

[71] SAINT-GOBAIN GLASS FRANCE, FR

[85] 2017-01-06

[86] 2015-07-23 (PCT/FR2015/052046)

[87] (WO2016/012727)

[30] FR (1457172) 2014-07-24

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[21] **2,954,471**  
[13] A1

[51] **Int.Cl. B28B 1/08 (2006.01) B28B 3/02 (2006.01) B28B 17/00 (2006.01) B29C 67/24 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR VACUUM VIBRO-COMPRESSION OF MIXES**

[54] **APPAREIL ET PROCEDE DE VIBRO-COMPRESSION SOUS VIDE DE MELANGES**

[72] TONCELLI, LUCA, IT

[71] TONCELLI, LUCA, IT

[85] 2017-01-06

[86] 2015-07-07 (PCT/IB2015/055130)

[87] (WO2016/005900)

[30] IT (TV2014A000100) 2014-07-08

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[21] **2,954,484**  
[13] A1

[51] **Int.Cl. A01N 43/16 (2006.01) A01N 63/00 (2006.01) A01N 63/04 (2006.01) A01P 21/00 (2006.01)**

[25] EN

[54] **COMPOSITIONS CONTAINING LIPO-CHITOOLOGOSACCHARIDE AND MICROORGANISM FOR ENHANCING PLANT GROWTH**

[54] **COMPOSITIONS CONTENANT DES LIPO-CHITOOLOGOSACCHARIDES ET DES MICROORGANISMES ET DESTINEES A AMELIORER LA CROISSANCE DES PLANTES**

[72] HABIB, AHSAN, US

[72] WOODS, KRISTI, US

[72] FRODYMA, MICHAEL, US

[72] SEMONES, SHAWN, US

[71] NOVOZYMES BIOAG A/S, DK

[85] 2017-01-06

[86] 2015-07-20 (PCT/US2015/041086)

[87] (WO2016/014386)

[30] US (62/027,950) 2014-07-23

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[21] **2,954,485**  
[13] A1

[51] **Int.Cl. B25H 3/02 (2006.01) A45C 5/00 (2006.01) A45C 11/00 (2006.01) A45C 13/02 (2006.01)**

[25] EN

[54] **DOUBLE LID FOR AN ASSORTMENT BOX**

[54] **COUVERCLE DOUBLE POUR MALLETTTE-ASSORTIMENT**

[72] DAMBERG, PETER-THOMAS, DK

[71] RAACO A/S, DK

[85] 2017-01-06

[86] 2015-07-09 (PCT/EP2015/065716)

[87] (WO2016/005503)

[30] EP (14176306.0) 2014-07-09



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[21] **2,954,502**  
[13] A1

[51] **Int.Cl. B21B 37/00 (2006.01)**  
[25] EN  
[54] **ROLLING MILL THIRD OCTAVE CHATTER CONTROL BY PROCESS DAMPING**  
[54] **LIMITATION DU BROUTAGE DE TIERS D'OCTAVE DE LAMINOIR PAR UN PROCEDE D'AMORTISSEMENT**  
[72] BROWN, RODGER, US  
[71] NOVELIS INC., US  
[85] 2017-01-06  
[86] 2015-07-15 (PCT/US2015/040588)  
[87] (WO2016/014316)  
[30] US (62/029,031) 2014-07-25

[21] **2,954,513**  
[13] A1

[51] **Int.Cl. B21B 37/48 (2006.01) B21B 38/06 (2006.01) B21B 39/08 (2006.01)**  
[25] EN  
[54] **PROCESS DAMPING OF SELF-EXCITED THIRD OCTAVE MILL VIBRATION**  
[54] **PROCEDE D'AMORTISSEMENT DE VIBRATION DE LAMINOIR DE TIERS D'OCTAVE AUTO-EXCITEE**  
[72] BROWN, RODGER, US  
[72] SEIBERT, MATTHEW, US  
[72] MILLER, DONALD L., US  
[72] FAIRLIE, MATTHEW, CA  
[72] GAENSBAUER, DAVID, US  
[71] NOVELIS INC., US  
[85] 2017-01-06  
[86] 2015-07-15 (PCT/US2015/040561)  
[87] (WO2016/011148)  
[30] US (62/024,517) 2014-07-15

[21] **2,954,514**  
[13] A1

[51] **Int.Cl. A61M 5/158 (2006.01) A61M 5/50 (2006.01)**  
[25] EN  
[54] **INSERTION DEVICE WITH PROTECTION AGAINST REUSE**  
[54] **DISPOSITIF D'INSERTION DOTE D'UNE PROTECTION CONTRE LA REUTILISATION**  
[72] FREY, STEPHAN-MICHAEL, DE  
[72] KUBE, OLIVER, DE  
[72] RITTINGHAUS, ANDREA, DE  
[71] F. HOFFMANN-LA ROCHE AG, CH  
[85] 2017-01-06  
[86] 2015-07-22 (PCT/EP2015/066722)  
[87] (WO2016/012482)  
[30] EP (14177972.8) 2014-07-22

[21] **2,954,520**  
[13] A1

[51] **Int.Cl. A61M 5/158 (2006.01)**  
[25] EN  
[54] **INSERTION DEVICE WITH SAFETY LOCK**  
[54] **DISPOSITIF D'INTRODUCTION AYANT UN VERROU DE SECURITE**  
[72] FREY, STEPHAN-MICHAEL, DE  
[72] KUBE, OLIVER, DE  
[72] RITTINGHAUS, ANDREA, DE  
[71] F. HOFFMANN-LA ROCHE AG, CH  
[85] 2017-01-06  
[86] 2015-07-22 (PCT/EP2015/066752)  
[87] (WO2016/012497)  
[30] EP (14177973.6) 2014-07-22

[21] **2,954,558**  
[13] A1

[51] **Int.Cl. C08G 18/65 (2006.01) C08G 18/18 (2006.01) C08J 9/00 (2006.01) C08L 75/00 (2006.01)**  
[25] EN  
[54] **A COMPOSITION TO REDUCE THE AMOUNT OF ALDEHYDES EMITTED FROM POLYURETHANE FOAMS**  
[54] **COMPOSITION POUR REDUIRE LA QUANTITE D'ALDEHYDES EMIS PAR DES MOUSSES DE POLYURETHANE**  
[72] DRIES, GEERT LODEWIJK, BE  
[72] WILTZ, EUGENE P., JR., US  
[72] GRIGSBY, ROBERT ALLISON, JR., US  
[71] HUNTSMAN PETROCHEMICAL LLC, US  
[85] 2017-01-09  
[86] 2015-07-09 (PCT/EP2015/065657)  
[87] (WO2016/005479)  
[30] US (62/022,928) 2014-07-10  
[30] EP (14178274.8) 2014-07-24

[21] **2,954,569**  
[13] A1

[51] **Int.Cl. C09D 125/14 (2006.01) C09D 133/08 (2006.01) C09K 8/536 (2006.01) E21B 33/138 (2006.01) E21B 43/26 (2006.01)**  
[25] EN  
[54] **CONTROLLED RELEASE GRANULE WITH WATER RESISTANT COATING**  
[54] **GRANULE A LIBERATION CONTROLEE AYANT UN REVETEMENT RESISTANT A L'EAU**  
[72] FERM, PAUL MICHAEL, US  
[72] ROBERTSON, ANDREW ALEXANDER, US  
[72] HEIDEMANN, KURT RANDALL, US  
[72] ZHOU, JIAN, US  
[72] BODE, DANIEL, US  
[72] RADEMACHER, JUDE THOMAS, US  
[72] SIUTA-CRUCE, PATRICIA B., US  
[71] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL  
[85] 2017-01-09  
[86] 2015-07-17 (PCT/EP2015/066390)  
[87] (WO2016/012358)  
[30] US (62/026,864) 2014-07-21  
[30] EP (14190201.5) 2014-10-24

[21] **2,954,573**  
[13] A1

[51] **Int.Cl. A61B 8/08 (2006.01)**  
[25] EN  
[54] **METHOD FOR OBTAINING A FUNCTIONAL PARAMETER OF A MUSCLE**  
[54] **PROCEDE POUR OBTENIR UN PARAMETRE FONCTIONNEL D'UN MUSCLE**  
[72] TANTER, MICKAEL, FR  
[72] PERNOT, MATHIEU, FR  
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR  
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.R.S), FR  
[71] UNIVERSITE PIERRE ET MARIE CURIE (PARIS 6), FR  
[71] UNIVERSITE PARIS DIDEROT - PARIS 7, FR  
[71] ECOLE SUPERIEURE DE PHYSIQUE ET DE CHIMIE INDUSTRIELLES DE LA VILLE DE PARIS, FR  
[85] 2017-01-09  
[86] 2015-07-17 (PCT/EP2015/066440)  
[87] (WO2016/009057)  
[30] EP (14306160.4) 2014-07-17

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[21] **2,954,579**  
[13] A1

[51] **Int.Cl. F16C 17/00 (2006.01) F16C 17/02 (2006.01) F16C 29/02 (2006.01) F16C 33/20 (2006.01)**

[25] FR

[54] **SELF-LUBRICATING COMPOSITE FRICTION PART**

[54] **PIECE COMPOSITE DE FROTTEMENT AUTOLUBRIFIANTE**

[72] MASSE, EMMANUEL, FR  
[72] BLANDENET, OLIVIER, FR  
[71] H.E.F., FR  
[85] 2017-01-09  
[86] 2015-06-29 (PCT/FR2015/051765)  
[87] (WO2016/009124)  
[30] FR (1456836) 2014-07-16

[21] **2,954,592**  
[13] A1

[51] **Int.Cl. A61M 16/00 (2006.01) A61M 16/08 (2006.01) A63B 21/00 (2006.01) A63B 23/18 (2006.01)**

[25] EN

[54] **RESPIRATORY THERAPY ASSEMBLIES**

[54] **ENSEMBLES DE THERAPIE RESPIRATOIRE**

[72] BENNETT, PAUL JAMES LESLIE, GB  
[72] BURCHELL, ROBERT JAMES, GB  
[71] SMITHS MEDICAL INTERNATIONAL LIMITED, GB  
[85] 2017-01-09  
[86] 2015-06-12 (PCT/GB2015/000178)  
[87] (WO2016/012740)  
[30] GB (1412867.2) 2014-07-19

[21] **2,954,697**  
[13] A1

[51] **Int.Cl. C21B 3/06 (2006.01) C21B 5/04 (2006.01) C22B 7/04 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR PROCESSING IRON SILICATE ROCK**

[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT D'UNE ROCHE DE SILICATE DE FER**

[72] SCHMIDL, JURGEN, DE  
[72] KLAFFENBACH, JURGEN, DE  
[71] AURUBIS AG, DE  
[85] 2017-01-10  
[86] 2015-06-18 (PCT/DE2015/000314)  
[87] (WO2016/004913)  
[30] DE (10 2014 010 442.7) 2014-07-11

[21] **2,954,580**  
[13] A1

[51] **Int.Cl. A61B 3/12 (2006.01) A61B 3/10 (2006.01)**

[25] EN

[54] **OPHTHALMOSCOPES**

[54] **OPHTHALMOSCOPES**

[72] SWAN, DEREK, GB  
[72] MUYO, GONZALO, GB  
[72] GORMAN, ALISTAIR, GB  
[71] OPTOS PLC, GB  
[85] 2017-01-09  
[86] 2015-07-10 (PCT/GB2015/052001)  
[87] (WO2016/005763)  
[30] GB (1412269.1) 2014-07-10

[21] **2,954,621**  
[13] A1

[51] **Int.Cl. B60P 7/08 (2006.01) A61G 3/00 (2006.01) F16M 11/04 (2006.01)**

[25] EN

[54] **EQUIPMENT MOUNTING SYSTEM**

[54] **SYSTEME DE MONTAGE D'EQUIPEMENT**

[72] SCHROEDER, TIMOTHY PAUL, US  
[72] WEST, JAMES C., US  
[72] CHINN, ROBERT C., US  
[72] SMOLAN, PETER, US  
[72] VACULA, MICHAL, US  
[72] TUREK, LADISLAV, US  
[71] FERNO-WASHINGTON, INC., US  
[85] 2017-01-09  
[86] 2014-08-08 (PCT/US2014/050392)  
[87] (WO2016/010568)  
[30] US (62/026,515) 2014-07-18

[21] **2,954,698**  
[13] A1

[51] **Int.Cl. B66B 23/22 (2006.01) B32B 15/01 (2006.01) B32B 15/18 (2006.01) B66B 23/00 (2006.01) E04C 2/08 (2006.01)**

[25] EN

[54] **CLADDING COMPONENT FOR AN ESCALATOR OR A MOVING WALKWAY**

[54] **COMPOSANTE DE REVETEMENT DESTINEE A UN ESCALIER MECANIQUE OU A UN PASSAGE MOBILE**

[72] MATHEISL, MICHAEL, AT  
[72] FRIM, NORBERT, AT  
[72] SAILER, PAUL, AT  
[72] SCHULZ, ROBERT, AT  
[72] NOVACEK, THOMAS, AT  
[72] MARKS, ESTEBAN, CH  
[71] INVENTIO AG, CH  
[85] 2017-01-10  
[86] 2015-06-30 (PCT/EP2015/064868)  
[87] (WO2016/008721)  
[30] EP (14177559.3) 2014-07-17

[21] **2,954,584**  
[13] A1

[51] **Int.Cl. C04B 22/10 (2006.01) C04B 26/26 (2006.01) E01C 7/24 (2006.01)**

[25] FR

[54] **CALCIUM/MAGNESIUM COMPOUND SLURRY FOR BITUMINOUS ROAD MATERIAL**

[54] **LAIT DE COMPOSE CALCO-MAGNESIEN POUR MATERIAU ROUTIER BITUMINEUX**

[72] DELFOSSE, FREDERIC, FR  
[72] DROUADAINE, IVAN, FR  
[72] LAURENT, BERNARD, BE  
[72] LESUEUR, DIDIER, BE  
[71] LHOIST RECHERCHE ET DEVELOPPEMENT, BE  
[85] 2017-01-09  
[86] 2015-07-10 (PCT/EP2015/065893)  
[87] (WO2016/005591)  
[30] FR (1456653) 2014-07-10  
[30] BE (2014/0527) 2014-07-10

[21] **2,954,633**  
[13] A1

[51] **Int.Cl. A61B 17/34 (2006.01) A61B 17/22 (2006.01) A61B 18/14 (2006.01)**

[25] EN

[54] **EUS GUIDED ACCESS DEVICE**

[54] **DISPOSITIF D'ACCES GUIDE D'ECHOGRAPHIE ENDOSCOPIQUE**

[72] BENNING, CHRISTOPHER A., US  
[72] WHITNEY, ANDREW J., US  
[72] BANNON, BRYAN, US  
[71] BOSTON SCIENTIFIC SCIMED, INC., US  
[85] 2017-01-09  
[86] 2015-07-08 (PCT/US2015/039554)  
[87] (WO2016/010787)  
[30] US (62/024,747) 2014-07-15

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[21] **2,954,701**  
[13] A1

[51] **Int.Cl. B66B 1/46 (2006.01) B66B 1/28 (2006.01) B66B 3/00 (2006.01) F03G 7/08 (2006.01)**

[25] EN

[54] **ENERGY-AUTONOMOUS ELEVATOR SYSTEM CONTROL ELEMENT, AND ELEVATOR SYSTEM COMPRISING A CONTROL ELEMENT OF SAID TYPE**

[54] **ELEMENT DE COMMANDE D'INSTALLATION D'ASCENSEUR AUTOALIMENTE ET INSTALLATION D'ASCENSEUR COMPORTANT UN TEL ELEMENT DE COMMANDE**

[72] SONNENMOSE, ASTRID, CH  
[72] LIEBETRAU, CHRISTOPH, CH  
[72] KUSSEROW, MARTIN, CH  
[72] HARTMANN, THOMAS, CH  
[71] INVENTIO AG, CH  
[85] 2017-01-10  
[86] 2015-07-01 (PCT/EP2015/064989)  
[87] (WO2016/020123)  
[30] EP (14179745.6) 2014-08-04

[21] **2,954,704**  
[13] A1

[51] **Int.Cl. H01M 8/1004 (2016.01) H01M 8/0202 (2016.01)**

[25] EN

[54] **MEMBRANE ELECTRODE ASSEMBLY**

[54] **UNITE MEMBRANE-ELECTRODES**

[72] SCHWEISS, RUDIGER-BERND, DE  
[71] SGL CARBON SE, DE  
[85] 2017-01-10  
[86] 2015-07-02 (PCT/EP2015/065061)  
[87] (WO2016/005257)  
[30] DE (10 2014 213 555.9) 2014-07-11

[21] **2,954,709**  
[13] A1

[51] **Int.Cl. F03D 1/06 (2006.01)**

[25] EN

[54] **AN AEROSHELL EXTENDER PIECE FOR A WIND TURBINE BLADE**

[54] **PIECE D'EXTENSION DE COQUE AERODYNAMIQUE POUR UNE PALE DE TURBINE EOLIENNE**

[72] GARM, JESPER HASSELBALCH, DK  
[72] RASK NIELSEN, GURLI, DK  
[72] QUIRING, PETER, DK  
[71] LM WP PATENT HOLDING A/S, DK  
[85] 2017-01-10  
[86] 2015-07-14 (PCT/EP2015/066039)  
[87] (WO2016/008874)  
[30] EP (14176874.7) 2014-07-14

[21] **2,954,711**  
[13] A1

[51] **Int.Cl. B21B 37/74 (2006.01) B23Q 11/10 (2006.01) C21D 11/00 (2006.01) C22F 1/04 (2006.01)**

[25] FR

[54] **COOLING FACILITY AND METHOD**

[54] **PROCEDE ET EQUIPEMENT DE REFROIDISSEMENT**

[72] DUHOUX, VINCENT, FR  
[72] MAGNIN, BRUNO, FR  
[72] BELLOT, DANIEL, FR  
[72] ROCHE, JOSE, US  
[72] AUCOUTURIER, PIERRE, FR  
[71] CONSTELLIUM NEUF-BRISACH, FR  
[85] 2017-01-10  
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[87] (WO2016/012691)  
[30] FR (1401679) 2014-07-23

[21] **2,954,713**  
[13] A1

[51] **Int.Cl. C22C 33/04 (2006.01) C21D 8/02 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING A NITRIDED PACKAGING STEEL**

[54] **PROCEDE POUR LA FABRICATION D'UN ACIER D'EMBALLAGE AZOTE**

[72] KAUP, BURKHARD, DE  
[72] MASSICOT, BLAISE, DE  
[72] MATUSCH, DIRK, DE  
[71] THYSSENKRUPP AG, DE  
[71] THYSSENKRUPP RASSELSTEIN GMBH, DE  
[85] 2017-01-10  
[86] 2015-07-02 (PCT/EP2015/065055)  
[87] (WO2016/030056)  
[30] DE (10 2014 112 286.0) 2014-08-27

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[13] A1

[51] **Int.Cl. C09J 7/02 (2006.01) A47B 95/04 (2006.01) A47B 96/00 (2006.01) A47B 96/20 (2006.01) B29C 63/00 (2006.01) B32B 3/08 (2006.01) B44C 1/10 (2006.01) C09J 5/06 (2006.01) F16B 11/00 (2006.01)**

[25] EN

[54] **EDGE STRIP**

[54] **BAGUETTE DE BORDURE**

[72] OTTOW, MARTIN, DE  
[72] PETRAKIS, JORDANIS, DE  
[72] SCHUNCK, STEPHAN, DE  
[72] ROHDE, DOMINGO, DE  
[71] DOLLKEN-KUNSTSTOFFVERARBEITUNG GMBH, DE  
[85] 2017-01-10  
[86] 2015-07-06 (PCT/EP2015/065388)  
[87] (WO2016/005337)  
[30] DE (10 2014 109 750.5) 2014-07-11  
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[13] A1

[51] **Int.Cl. F03D 1/06 (2006.01)**  
[25] EN  
[54] **A PROFILE WEDGE FOR ATTACHMENT OF AN AEROSHELL EXTENDER PIECE**  
[54] **COIN PROFILE POUR FIXATION D'UNE PIECE D'EXTENSION D'ENVELOPPE AERODYNAMIQUE**  
[72] MAJUMDER, UTSA, IN  
[72] SAINI, AANCHAL, IN  
[72] GARM, JESPER HASSELBALCH, DK  
[72] RASK NIELSEN, GURLI, DK  
[71] QUIRING, PETER, DK  
[71] LM WP PATENT HOLDING A/S, DK  
[85] 2017-01-10  
[86] 2015-07-14 (PCT/EP2015/066059)  
[87] (WO2016/008881)  
[30] EP (14176874.7) 2014-07-14

[21] **2,954,720**  
[13] A1

[51] **Int.Cl. E21B 47/12 (2012.01) E21B 7/18 (2006.01)**  
[25] EN  
[54] **METHOD AND SYSTEM FOR TRANSMITTING INFORMATION IN A JET DRILLING SYSTEM**  
[54] **PROCEDE ET SYSTEME DE TRANSMISSION D'INFORMATIONS DANS UN SYSTEME DE FORAGE HYDRODYNAMIQUE**  
[72] BLANGE, JAN-JETTE, NL  
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL  
[85] 2017-01-10  
[86] 2015-07-23 (PCT/EP2015/066857)  
[87] (WO2016/012535)  
[30] EP (14178475.1) 2014-07-25

[21] **2,954,770**  
[13] A1

[51] **Int.Cl. A45D 97/00 (2011.01) A45D 44/00 (2006.01)**  
[25] EN  
[54] **METHOD OF SELECTING THE COLOUR OF COSMETIC PRODUCTS**  
[54] **PROCEDE POUR SELECTIONNER LA COULEUR DE PRODUITS COSMETIQUES**  
[72] WATSON, JOANNE, GB  
[71] THE BOOTS COMPANY PLC, GB  
[85] 2017-01-11  
[86] 2015-07-17 (PCT/EP2015/025051)  
[87] (WO2016/012104)  
[30] GB (1413047.0) 2014-07-23

[21] **2,954,787**  
[13] A1

[51] **Int.Cl. F25B 41/00 (2006.01) F25B 41/04 (2006.01)**  
[25] EN  
[54] **A METHOD FOR CONTROLLING A VARIABLE CAPACITY EJECTOR UNIT**  
[54] **PROCEDE DE COMMANDE D'UNE UNITE D'EJECTEUR A CAPACITE VARIABLE**  
[72] MADSEN, KENNETH BANK, DK  
[72] PRINS, JAN, DK  
[72] FREDSLUND, KRISTIAN, DK  
[71] DANFOSS A/S, DK  
[85] 2017-01-11  
[86] 2015-06-23 (PCT/EP2015/064019)  
[87] (WO2016/034298)  
[30] DK (PA201400502) 2014-09-05

[21] **2,954,809**  
[13] A1

[51] **Int.Cl. E04B 7/00 (2006.01) E04B 1/348 (2006.01) E04D 13/04 (2006.01) E04H 1/12 (2006.01)**  
[25] EN  
[54] **WELDED ROOF FOR MODULAR BUILDING UNITS**  
[54] **TOIT SOUDE POUR UNITES DE CONSTRUCTION MODULAIRES**  
[72] BOTTIN, HERVE, FR  
[71] BOTTIN, HERVE, FR  
[85] 2017-01-11  
[86] 2015-07-17 (PCT/EP2015/066476)  
[87] (WO2016/009069)  
[30] US (62/026,249) 2014-07-18

[21] **2,954,815**  
[13] A1

[51] **Int.Cl. B23B 51/04 (2006.01) B23B 31/11 (2006.01) F16D 1/108 (2006.01) F16D 1/116 (2006.01)**  
[25] EN  
[54] **TOOL RECEPTACLE FOR CONNECTING A DIAMOND DRILL TO A DRILL BIT**  
[54] **LOGEMENT D'OUTIL DESTINE A RELIER UNE FOREUSE AU DIAMANT AVEC UNE COURONNE DE FORAGE**  
[72] REICHENBERGER, THOMAS, DE  
[72] RIED, XAVER, DE  
[71] HILTI AKTIENGESSELLSCHAFT, LI  
[85] 2017-01-11  
[86] 2015-07-22 (PCT/EP2015/066723)  
[87] (WO2016/012483)  
[30] EP (14177933.0) 2014-07-22

[21] **2,954,816**  
[13] A1

[51] **Int.Cl. A43B 7/12 (2006.01) A43B 1/00 (2006.01) A43B 23/02 (2006.01)**  
[25] EN  
[54] **SHOE WITH WATERPROOF AND VAPOR-PERMEABLE SOLE AND UPPER**  
[54] **CHAUSSURE COMPRENANT SEMELLE ET TIGE IMPERMEABLES A L'EAU ET PERMEABLES A LA VAPEUR**  
[72] POLEGATO MORETTI, MARIO, IT  
[72] POLONI, LIVIO, IT  
[72] MATTIONI, BRUNO, IT  
[71] GEOX S.P.A., IT  
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[86] 2015-07-10 (PCT/EP2015/065861)  
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[13] A1

[51] **Int.Cl. A24C 5/00 (2006.01) A24C 5/38 (2006.01) A24D 1/00 (2006.01) A24F 47/00 (2006.01) A61M 11/00 (2006.01) A61M 15/06 (2006.01)**

[25] EN

[54] **METHOD FOR APPLYING HEAT CONDUCTING PATCHES TO A MATERIAL WEB**

[54] **PROCEDE D'APPLICATION DE PIECES THERMOCONDUCTRICES SUR UNE BANDE DE MATERIAU**

[72] GINDRAT, PIERRE-YVES, CH

[71] PHILIP MORRIS PRODUCTS S.A., CH

[85] 2017-01-11

[86] 2015-08-26 (PCT/EP2015/069568)

[87] (WO2016/030433)

[30] EP (14182540.6) 2014-08-27

[21] **2,954,820**  
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A24D 1/00 (2006.01) A61M 11/00 (2006.01)**

[25] EN

[54] **AN AEROSOL-GENERATING DEVICE, SYSTEM AND METHOD WITH A COMBUSTION GAS DETECTOR**

[54] **DISPOSITIF DE GENERATION D'AEROSOL, SYSTEME ET PROCEDE COMPRENANT UN DETECTEUR DE GAZ DE COMBUSTION**

[72] JOCHNOWITZ, EVAN, CH

[72] ZINOVIK, IHAR NIKOLAEVICH, CH

[72] PIJNENBURG, JOHANNES PETRUS MARIA, CH

[71] PHILIP MORRIS PRODUCTS S.A., CH

[85] 2017-01-11

[86] 2015-10-21 (PCT/EP2015/074420)

[87] (WO2016/062786)

[30] EP (14190272.6) 2014-10-24

[21] **2,954,821**  
[13] A1

[51] **Int.Cl. C09K 3/30 (2006.01) A24B 15/16 (2006.01) A24B 15/32 (2006.01) A24B 15/40 (2006.01) A24D 1/00 (2006.01) A24F 47/00 (2006.01)**

[25] EN

[54] **AEROSOL-GENERATING SYSTEM COMPRISING A NOVEL DELIVERY ENHANCING COMPOUND SOURCE**

[54] **SYSTEME DE PRODUCTION D'AEROSOL COMPRENANT UNE NOUVELLE SOURCE DE COMPOSE AMELIORANT LA DISTRIBUTION**

[72] SCHALLER, JEAN-PIERRE, CH

[71] PHILIP MORRIS PRODUCTS S.A., CH

[85] 2017-01-11

[86] 2015-09-25 (PCT/EP2015/072088)

[87] (WO2016/046362)

[30] EP (14186700.2) 2014-09-26

[21] **2,954,830**  
[13] A1

[51] **Int.Cl. C22C 38/28 (2006.01) C21D 8/02 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/22 (2006.01) C22C 38/38 (2006.01)**

[25] FR

[54] **HOT-ROLLED STEEL SHEET AND ASSOCIATED MANUFACTURING METHOD**

[54] **TOLE D'ACIER LAMINEE A CHAUD ET PROCEDE DE FABRICATION ASSOCIE**

[72] PIPARD, JEAN-MARC, FR

[72] PERLADE, ASTRID, FR

[72] WEBER, BASTIN, FR

[72] MILANI, AURELIE, FR

[72] PECHENOT, FLORENCE, FR

[71] ARCELORMITTAL, LU

[85] 2017-01-11

[86] 2015-07-10 (PCT/IB2015/001159)

[87] (WO2016/005811)

[30] IB (PCT/IB2014/001312) 2014-07-11

[21] **2,954,833**  
[13] A1

[51] **Int.Cl. A43B 23/07 (2006.01) A43B 7/14 (2006.01) A43B 17/00 (2006.01) A43B 23/02 (2006.01) A43B 23/08 (2006.01) A43B 23/26 (2006.01) A43C 1/00 (2006.01)**

[25] FR

[54] **FOOTWEAR ITEM WITH IMPROVED STRUCTURE**

[54] **ARTICLE CHAUSSANT A STRUCTURE AMELIOREE**

[72] BOUCHER, BEATRICE, FR

[72] GAUTIER, GERARD, CH

[72] CRETINON, FREDERIC, FR

[72] GIACOBONE, FREDERIC, FR

[72] BOREL, RENE, FR

[72] GRENET, BENJAMIN, FR

[71] SALOMON SAS., FR

[85] 2017-01-04

[86] 2015-07-08 (PCT/FR2015/000139)

[87] (WO2016/012665)

[30] FR (14 01667) 2014-07-22

[21] **2,954,841**  
[13] A1

[51] **Int.Cl. A61K 35/768 (2015.01) A61P 35/00 (2006.01) C07K 16/18 (2006.01)**

[25] EN

[54] **ONCOLYTIC VIRUS FOR EXPRESSION OF IMMUNE CHECKPOINT MODULATORS**

[54] **VIRUS ONCOLYTIQUES POUR L'EXPRESSION DE MODULATEURS DE POINTS DE CONTROLE IMMUNITAIRE**

[72] SILVESTRE, NATHALIE, FR

[72] GEIST, MICHEL, FR

[72] RITTNER, KAROLA, FR

[72] MARCHAND, JEAN-BAPTISTE, FR

[72] THIOUDELLET, CHRISTINE, FR

[71] TRANSGENE SA, FR

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[86] 2015-07-16 (PCT/EP2015/066263)

[87] (WO2016/008976)

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[13] A1

[51] **Int.Cl. E04B 5/10 (2006.01) E04B 1/348 (2006.01) E04C 3/07 (2006.01) E04H 1/12 (2006.01)**

[25] EN

[54] **FLOOR ASSEMBLY FOR MODULAR BUILDING UNITS**

[54] **ENSEMBLE PLANCHER POUR UNITES DE CONSTRUCTION MODULAIRES**

[72] BOTTIN, HERVE, FR

[71] BOTTIN, HERVE, FR

[85] 2017-01-11

[86] 2015-07-17 (PCT/EP2015/066480)

[87] (WO2016/009072)

[30] US (62/026,287) 2014-07-18

[21] **2,954,845**  
[13] A1

[51] **Int.Cl. E04B 2/82 (2006.01) E04B 1/348 (2006.01) E04B 1/61 (2006.01) E04H 1/12 (2006.01)**

[25] EN

[54] **WALL PANEL CONNECTING SYSTEM FOR MODULAR BUILDING UNITS**

[54] **SYSTEME DE RACCORDEMENT DE PANNEAUX MURAUX DESTINE A DES UNITES DE CONSTRUCTION MODULAIRES**

[72] BOTTIN, HERVE, FR

[71] BOTTIN, HERVE, FR

[85] 2017-01-11

[86] 2015-07-17 (PCT/EP2015/066481)

[87] (WO2016/009073)

[30] US (62/026,268) 2014-07-18

[21] **2,954,846**  
[13] A1

[51] **Int.Cl. E06B 1/60 (2006.01) E04B 1/348 (2006.01) E04B 1/61 (2006.01) E04B 2/82 (2006.01) E04H 1/12 (2006.01) E06B 1/02 (2006.01)**

[25] EN

[54] **INTERLOCKING DOOR FRAME AND WALL PANELS FOR MODULAR BUILDING UNITS**

[54] **PANNEAU DE CADRE DE PORTE ET PANNEAUX MURAUX INTERVERROUILLABLES POUR UNITES DE CONSTRUCTION MODULAIRES**

[72] BOTTIN, HERVE, FR

[71] BOTTIN, HERVE, FR

[85] 2017-01-11

[86] 2015-07-17 (PCT/EP2015/066483)

[87] (WO2016/009074)

[30] US (62/026,294) 2014-07-18

[21] **2,954,848**  
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A24D 1/00 (2006.01) A61M 11/00 (2006.01) A61M 15/06 (2006.01)**

[25] EN

[54] **AEROSOL PROVISION SYSTEM**

[54] **SYSTEME DE GENERATION D'AEROSOL**

[72] DICKENS, COLIN, GB

[72] TRANI, MARINA, GB

[71] NICOVENTURES HOLDINGS LIMITED, GB

[85] 2017-01-11

[86] 2015-07-17 (PCT/GB2015/052084)

[87] (WO2016/012769)

[30] GB (1413259.1) 2014-07-25

[21] **2,954,854**  
[13] A1

[51] **Int.Cl. B32B 5/18 (2006.01) B32B 7/06 (2006.01) B32B 27/00 (2006.01) C09J 7/02 (2006.01) E04C 2/296 (2006.01)**

[25] EN

[54] **CONSTRUCTION BOARDS HAVING A PRESSURE-SENSITIVE ADHESIVE LAYER**

[54] **PANNEAUX DE CONSTRUCTION AYANT UNE COUCHE ADHESIVE SENSIBLE A LA PRESSION**

[72] MCJUNKINS, WILLIAM ROBERT, US

[72] TANG, JIANGSHENG, US

[72] ALEXANDER, BRIAN SCOTT, US

[72] WATKINS, CARL EDWARD, US

[72] TACKETT, TIMOTHY DEAN, US

[71] FIRESTONE BUILDING PRODUCTS CO., LLC, US

[85] 2017-01-10

[86] 2015-07-20 (PCT/US2015/041120)

[87] (WO2016/011444)

[30] US (62/026,198) 2014-07-18

[21] **2,954,873**  
[13] A1

[51] **Int.Cl. A01N 59/00 (2006.01) A01N 25/08 (2006.01) A01N 25/12 (2006.01) A01P 1/00 (2006.01) C08K 3/08 (2006.01)**

[25] EN

[54] **ANTISEPTIC PRODUCT, PROCESS FOR PREPARING SAME AND ITS USE**

[54] **PRODUIT ANTISEPTIQUE, PROCEDE POUR SA PREPARATION ET SON UTILISATION**

[72] GANE, PATRICK A.C., CH

[72] BURI, MATTHIAS, CH

[72] URWYLER, SIMON, CH

[72] ZUMSTEG, ANITA, CH

[72] GLAUBITZ, JOACHIM, CH

[71] OMYA INTERNATIONAL AG, CH

[85] 2017-01-11

[86] 2015-08-05 (PCT/EP2015/068040)

[87] (WO2016/020428)

[30] EP (14180249.6) 2014-08-07

[21] **2,954,905**  
[13] A1

[51] **Int.Cl. A45D 34/04 (2006.01) A45D 33/02 (2006.01) A45D 40/26 (2006.01)**

[25] EN

[54] **ANGLED CARTRIDGE ASSEMBLY FOR A DISPENSING DEVICE**

[54] **ENSEMBLE CARTOUCHE INCLINEE POUR UN DISPOSITIF DE DISTRIBUTION**

[72] RABE, THOMAS ELLIOT, US

[72] SHERMAN, FAIZ FEISAL, US

[72] BUSH, STEPHAN GARY, US

[72] MESCHKAT, STEPHAN JAMES ANDREAS, DE

[72] STRIEMER, GRANT EDWARD ANDERS, US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2017-01-11

[86] 2015-07-24 (PCT/US2015/041888)

[87] (WO2016/014888)

[30] US (62/028,935) 2014-07-25

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[13] A1

[51] **Int.Cl. C09J 7/02 (2006.01)**  
[25] EN  
[54] **PRESSURE SENSITIVE ADHESIVE ASSEMBLY SUITABLE FOR BONDING TO UNEVEN SUBSTRATES**  
[54] **ENSEMBLE ADHESIF SENSIBLE A LA PRESSION POUVANT ADHERER A DES SUBSTRATS IRREGULIERS**  
[72] HEIMINK, JAN, DE  
[72] UNVERHAU, KERSTIN, DE  
[72] BACKES, ANDREAS, DE  
[72] JUNG, ADRIAN T., DE  
[72] HASENBERG, DIRK, DE  
[71] 3M INNOVATIVE PROPERTIES COMPANY, US  
[85] 2017-01-11  
[86] 2015-07-15 (PCT/US2015/040567)  
[87] (WO2016/011152)  
[30] EP (14177515.5) 2014-07-17

[21] **2,954,937**  
[13] A1

[51] **Int.Cl. C09J 139/04 (2006.01) C09J 7/02 (2006.01) C09J 11/02 (2006.01) C09J 127/04 (2006.01)**  
[25] EN  
[54] **PRIMER FOR ADHESIVE TAPES**  
[54] **PRIMAIRE POUR RUBANS ADHESIFS**  
[72] DIETZE, SEBASTIAN, DE  
[72] ELLRINGMANN, KAI, DE  
[72] KUPSKY, MARCO, DE  
[72] NGUYEN, DUC HUNG, DE  
[72] SCHUMANN, UWE, DE  
[71] TESA SE, DE  
[85] 2017-01-12  
[86] 2015-08-27 (PCT/EP2015/001749)  
[87] (WO2016/030017)  
[30] DE (10 2014 217 245.4) 2014-08-29

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[13] A1

[51] **Int.Cl. B23K 9/095 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD OF MONITORING A WELDING ENVIRONMENT**  
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE D'UN ENVIRONNEMENT DE SOUDAGE**  
[72] BECKER, WILLIAM JOSHUA, US  
[72] BEESON, RICHARD W., US  
[71] ILLINOIS TOOL WORKS INC., US  
[85] 2017-01-11  
[86] 2015-08-03 (PCT/US2015/043370)  
[87] (WO2016/022452)  
[30] US (62/034,648) 2014-08-07  
[30] US (14/808,858) 2015-07-24

[21] **2,954,945**  
[13] A1

[51] **Int.Cl. G01F 11/02 (2006.01) B65B 3/00 (2006.01) F04B 13/00 (2006.01) F04B 43/09 (2006.01) F04B 43/12 (2006.01)**  
[25] EN  
[54] **DOSING A FLUID AT A VOLUME OF LESS THAN ONE MILLILITER**  
[54] **DOSAGE D'UN FLUIDE SOUS UN VOLUME INFERIEUR A UN MILLILITRE**  
[72] ADLER, MICHAEL, DE  
[72] BECHTOLD-PETERS, KAROLINE, CH  
[72] BOILLON, ADELIN, CH  
[72] DORN, ANKE, DE  
[72] LUEMKEMANN, JOERG, DE  
[72] LUTHRINGER, DENIS, FR  
[72] MAHLER, HANNS-CHRISTIAN, CH  
[72] MEYER, ALEXANDER, DE  
[71] F. HOFFMANN-LA ROCHE AG, CH  
[85] 2017-01-11  
[86] 2015-07-23 (PCT/EP2015/066940)  
[87] (WO2016/012567)  
[30] EP (14178651.7) 2014-07-25

[21] **2,954,955**  
[13] A1

[51] **Int.Cl. F03B 13/14 (2006.01) F03B 13/20 (2006.01) F03B 13/22 (2006.01)**  
[25] EN  
[54] **A FREE FLOATING WAVE ENERGY CONVERTER HAVING VARIABLE BUOYANCY FLEXIBLE PIPE AND ENHANCED CAPTURE WIDTH**  
[54] **HOULOMOTRICE FLOTTANT LIBREMENT COMPRENANT UNE CONDUITE FLEXIBLE A FLOTTABILITE VARIABLE ET LARGEUR EFFICACE D'EXTRACTION AUGMENTEE**  
[72] GROUP CAPTAIN SYED MOHAMMED GHOUSE, IN  
[71] GROUP CAPTAIN SYED MOHAMMED GHOUSE, IN  
[85] 2017-01-12  
[86] 2015-07-13 (PCT/IN2015/000282)  
[87] (WO2016/009447)  
[30] IN (3458/CHE/2014) 2014-07-14

[21] **2,954,957**  
[13] A1

[51] **Int.Cl. B27N 1/02 (2006.01) B27N 3/00 (2006.01)**  
[25] EN  
[54] **IMPROVED BINDER COMPOSITIONS AND USES THEREOF**  
[54] **COMPOSITIONS DE LIANT AMELIOREES ET LEURS UTILISATIONS**  
[72] HAMPSON, CARL, GB  
[72] KHAN, FERDOUS, GB  
[71] KNAUF INSULATION SPRL, BE  
[71] KNAUF INSULATION, INC., US  
[85] 2017-01-12  
[86] 2015-07-17 (PCT/EP2015/066437)  
[87] (WO2016/009054)  
[30] GB (1412706.2) 2014-07-17

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[21] **2,954,960**  
[13] A1

[51] **Int.Cl. B27N 1/02 (2006.01) B27N 3/00 (2006.01)**  
[25] EN  
[54] **IMPROVED BINDER COMPOSITIONS AND USES THEREOF**  
[54] **COMPOSITIONS AMELIOREES DE LIANT ET LEURS UTILISATIONS**  
[72] HAMPSON, CARL, GB  
[72] KHAN, FERDOUS, GB  
[71] KNAUF INSULATION SPRL, BE  
[71] KNAUF INSULATION, INC., US  
[85] 2017-01-12  
[86] 2015-07-17 (PCT/EP2015/066455)  
[87] (WO2016/009062)  
[30] GB (1412709.6) 2014-07-17

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[21] **2,954,963**  
[13] A1

[51] **Int.Cl. A61M 5/32 (2006.01)**  
[25] EN  
[54] **A RIGID NEEDLE GUARD, AND A METHOD AND A MACHINE FOR ASSEMBLING SUCH A RIGID NEEDLE GUARD**  
[54] **PROTEGE-AIGUILLE RIGIDE, PROCEDE ET MACHINE D'ASSEMBLAGE D'UN TEL PROTEGE-AIGUILLE RIGIDE.**  
[72] FOURNIER, GHISLAIN, FR  
[72] SWAL, MICKAEL, FR  
[71] APTAR STELMI SAS, FR  
[85] 2017-01-12  
[86] 2015-07-24 (PCT/FR2015/052049)  
[87] (WO2016/016556)  
[30] FR (1457269) 2014-07-28

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[21] **2,954,988**  
[13] A1

[51] **Int.Cl. C09J 7/02 (2006.01)**  
[25] EN  
[54] **PRESSURE SENSITIVE ADHESIVE ASSEMBLY COMPRISING THERMOPLASTIC FILLER MATERIAL**  
[54] **ENSEMBLE ADHESIF SENSIBLE A LA PRESSION COMPRENANT UN MATERIAU DE CHARGE THERMOPLASTIQUE**  
[72] HEIMINK, JAN, DE  
[72] UNVERHAU, KERSTIN, DE  
[72] FORSTER, JAN D., DE  
[71] 3M INNOVATIVE PROPERTIES COMPANY, US  
[85] 2017-01-12  
[86] 2015-07-09 (PCT/US2015/039645)  
[87] (WO2016/010803)  
[30] EP (14177531.2) 2014-07-17

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[21] **2,954,992**  
[13] A1

[51] **Int.Cl. A61B 17/11 (2006.01) A61B 17/00 (2006.01)**  
[25] EN  
[54] **ANASTOMOSIS DEVICES**  
[54] **DISPOSITIFS D'ANASTOMOSE**  
[72] MOONEY, NATHAN K., US  
[71] W. L. GORE & ASSOCIATES, INC., US  
[85] 2017-01-11  
[86] 2015-08-06 (PCT/US2015/043901)  
[87] (WO2016/025276)  
[30] US (62/037,363) 2014-08-14  
[30] US (14/818,800) 2015-08-05

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[21] **2,955,001**  
[13] A1

[51] **Int.Cl. A44C 11/00 (2006.01) A44C 5/10 (2006.01)**  
[25] EN  
[54] **CUSTOMIZABLE JEWELRY NECKLACE**  
[54] **COLLIER DE BIJOUTERIE PERSONNALISABLE**  
[72] RAUCHT, SCOTT H., US  
[72] PERULLO, DAVID, US  
[71] RAUCHT, SCOTT H., US  
[85] 2017-01-12  
[86] 2015-07-13 (PCT/US2015/040148)  
[87] (WO2016/010898)  
[30] US (62/024,205) 2014-07-14

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[21] **2,955,017**  
[13] A1

[51] **Int.Cl. F04C 2/08 (2006.01) F04C 2/18 (2006.01) F04C 11/00 (2006.01) F04C 15/00 (2006.01)**  
[25] EN  
[54] **EXTERNAL GEAR PUMP INTEGRATED WITH TWO INDEPENDENTLY DRIVEN PRIME MOVERS**  
[54] **POMPE A ENGRENAGES EXTERIEURS INTEGREE A DEUX APPAREILS MOTEURS ENTRAINES INDEPENDAMMENT**  
[72] AFSHARI, THOMAS, US  
[71] PROJECT PHOENIX, LLC, US  
[85] 2017-01-12  
[86] 2015-07-22 (PCT/US2015/041612)  
[87] (WO2016/014715)  
[30] US (62/027,330) 2014-07-22  
[30] US (62/060,431) 2014-10-06  
[30] US (62/066,198) 2014-10-20

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[21] **2,955,021**  
[13] A1

[51] **Int.Cl. A61B 18/20 (2006.01) A61M 31/00 (2006.01)**  
[25] EN  
[54] **RAMAN-TRIGGERED ABLATION/RESECTION SYSTEMS AND METHODS**  
[54] **SYSTEMES ET PROCEDES D'ABLATION/RESECTION DECLENCHES PAR UN RAPPORTEUR RAMAN**  
[72] KIRCHER, MORITZ, US  
[72] TOLEDO-CROW, RICARDO, US  
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US  
[85] 2017-01-11  
[86] 2015-08-18 (PCT/US2015/045646)  
[87] (WO2016/028749)  
[30] US (14/464,642) 2014-08-20



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[21] **2,955,022**  
[13] A1

[51] **Int.Cl. A61C 8/00 (2006.01)**  
[25] EN  
[54] **DENTAL RING**  
[54] **BAGUE DENTAIRE**  
[72] WYCHOWANSKI, PIOTR, PL  
[72] CHROSCICKA, ANNA, PL  
[72] LEWANDOWSKA-SZUMIEL,  
MALGORZATA, PL  
[72] KALASZCZYNSKA, ILONA, PL  
[71] WARSZAWSKI UNIWERSYTET  
MEDYCZNY, PL  
[85] 2017-01-10  
[86] 2015-07-15 (PCT/IB2015/055363)  
[87] (WO2016/009372)  
[30] PL (P.408859) 2014-07-15  
[30] IT (MI2014A002097) 2014-12-05

[21] **2,955,029**  
[13] A1

[51] **Int.Cl. B65B 29/00 (2006.01) A23K  
10/20 (2016.01) A23K 40/00 (2016.01)  
A23L 13/60 (2016.01) A23P 20/20  
(2016.01) B65B 25/22 (2006.01) B65B  
29/08 (2006.01) B65B 39/12 (2006.01)**  
[25] EN  
[54] **APPARATUSES AND METHODS  
FOR ENCLOSING A FILLING IN A  
FOOD PRODUCT**  
[54] **APPAREILS ET PROCEDES POUR  
ENFERMER UN FOURRAGE  
DANS UN PRODUIT  
ALIMENTAIRE**  
[72] JENSEN, MALLORY, US  
[72] DUPUIS, JOEL, US  
[72] LOBAR, PETER, CH  
[72] ROIG, FRANCISCO, FR  
[72] DALLATURCA, GIANNI, IT  
[72] SIRONI, MASSIMO, IT  
[71] NESTEC S.A., CH  
[85] 2017-01-10  
[86] 2015-07-23 (PCT/IB2015/055603)  
[87] (WO2016/016784)  
[30] US (62/030,666) 2014-07-30

[21] **2,955,061**  
[13] A1

[51] **Int.Cl. B60L 11/18 (2006.01) B60L  
5/36 (2006.01) B60S 5/00 (2006.01)**  
[25] EN  
[54] **CHARGING DEVICE FOR AN  
ELECTRICALLY CHARGEABLE  
VEHICLE**  
[54] **DISPOSITIF DE CHARGE POUR  
UN VEHICULE ELECTRIQUE  
RECHARGEABLE**  
[72] BUHS, FLORIAN, DE  
[72] LASKE, ANDREAS, DE  
[72] ROMPE, ANDRE, DE  
[71] SIEMENS AKTIENGESELLSCHAFT,  
DE  
[85] 2017-01-13  
[86] 2015-07-03 (PCT/EP2015/065172)  
[87] (WO2016/008739)  
[30] DE (10 2014 213 831.0) 2014-07-16

[21] **2,955,093**  
[13] A1

[51] **Int.Cl. B23B 51/04 (2006.01)**  
[25] EN  
[54] **METHOD FOR RELOADING A  
SINGLE-FLUTE DRILL, AND  
SINGLE-FLUTE DRILL**  
[54] **PROCEDE POUR REEQUIPER UN  
FORET A UNE LEVRE ET FORET  
A UNE LEVRE**  
[72] HILLER, JORG, DE  
[72] WENZELBURGER, JURGEN, DE  
[71] BOTEK  
PRAZISIONSBOHRTECHNIK  
GMBH, DE  
[85] 2017-01-13  
[86] 2015-06-30 (PCT/DE2015/100268)  
[87] (WO2016/008471)  
[30] DE (10 2014 110 021.2) 2014-07-16

[21] **2,955,096**  
[13] A1

[51] **Int.Cl. F03D 1/06 (2006.01) F03D  
13/40 (2016.01) F16B 1/00 (2006.01)**  
[25] EN  
[54] **WIND TURBINE ROTOR BLADE  
TRAILING EDGE SEGMENT**  
[54] **SEGMENT DE BORD DE FUITE  
D'UNE PALE DE ROTOR D'UNE  
EOLIENNE**  
[72] SPIETH, FALK, DE  
[72] RUBNER, FLORIAN, DE  
[72] WENK, CHRISTOPH, DE  
[71] WOBLEN PROPERTIES GMBH, DE  
[85] 2017-01-13  
[86] 2015-07-08 (PCT/EP2015/065566)  
[87] (WO2016/012239)  
[30] DE (10 2014 214 220.2) 2014-07-22

[21] **2,955,121**  
[13] A1

[51] **Int.Cl. F01D 9/04 (2006.01) F01D  
11/12 (2006.01) F01D 25/24 (2006.01)**  
[25] EN  
[54] **SHROUD HANGER ASSEMBLY**  
[54] **ENSEMBLE DISPOSITIF DE  
SUSPENSION DE CARENAGE**  
[72] SCHILLING, JAN CHRISTOPHER,  
US  
[72] BRESLIN, ANDREW JOHN, US  
[72] HEITMAN, BRYCE LORING, US  
[71] GENERAL ELECTRIC COMPANY,  
US  
[85] 2016-12-08  
[86] 2015-05-06 (PCT/US2015/029342)  
[87] (WO2015/191186)  
[30] US (62/011,237) 2014-06-12

[21] **2,955,128**  
[13] A1

[51] **Int.Cl. C10M 105/18 (2006.01)**  
[25] FR  
[54] **LUBRICATING COMPOSITIONS  
FOR MOTOR VEHICLES**  
[54] **COMPOSITIONS LUBRIFIANTES  
POUR VEHICULE A MOTEUR**  
[72] SANSON, JULIEN, FR  
[72] DA COSTA D'AMBROS, ALDER, FR  
[72] KHELIDJ, NADJET, CH  
[71] TOTAL MARKETING SERVICES, FR  
[71] DOW GLOBAL TECHNOLOGIES  
LLC, US  
[85] 2017-01-13  
[86] 2015-07-30 (PCT/EP2015/067492)  
[87] (WO2016/016362)  
[30] FR (1457438) 2014-07-31

[21] **2,955,131**  
[13] A1

[51] **Int.Cl. A61B 17/86 (2006.01) A61B  
17/064 (2006.01) A61B 17/70 (2006.01)**  
[25] FR  
[54] **BONE IMPLANTS**  
[54] **IMPLANTS OSSEUX**  
[72] LAVIGNE, CHRISTOPHE, US  
[72] RICHARD, PATRICK, FR  
[72] MERCIER, ALEXIS, FR  
[72] LEQUETTE, SAMUEL, FR  
[71] LDR MEDICAL, FR  
[85] 2017-01-13  
[86] 2015-08-03 (PCT/EP2015/067861)  
[87] (WO2016/016474)  
[30] FR (1457539) 2014-08-01

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[13] A1

[51] **Int.Cl. C04B 35/80 (2006.01) C04B 35/01 (2006.01) C04B 35/58 (2006.01) C04B 35/65 (2006.01)**

[25] FR

[54] **METHOD FOR PRODUCING A PART CONSISTING OF COMPOSITE MATERIAL BY SYNTHESIS BY MEANS OF A SELF-SUSTAINED REACTION AT A HIGH TEMPERATURE**

[54] **PROCEDE DE FABRICATION D'UNE PIECE EN MATERIAU COMPOSITE PAR SYNTHSE PAR REACTION AUTO-ENTRETEENUE A HAUTE TEMPERATURE**

[72] TAILLET, BRICE, FR  
[72] PAILLER, RENE, FR  
[72] TEYSSANDIER, FRANCIS, FR  
[72] PHILIPPE, ERIC, FR  
[72] BOUILLON, ERIC, FR  
[71] SAFRAN CERAMICS, FR  
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR  
[85] 2017-01-13  
[86] 2015-07-16 (PCT/FR2015/051943)  
[87] (WO2016/009148)  
[30] FR (1456895) 2014-07-17

[21] **2,955,133**  
[13] A1

[51] **Int.Cl. B60J 1/00 (2006.01) F16B 5/06 (2006.01) F16B 21/02 (2006.01)**

[25] FR

[54] **GLASS PANEL COMPRISING A PIN AND METHOD FOR MANUFACTURING THE GLASS PANEL**

[54] **VITRAGE COMPRENANT UN PION ET PROCEDE DE FABRICATION DU VITRAGE**

[72] GONNET, ROMAIN, FR  
[71] SAINT-GOBAIN GLASS FRANCE, FR  
[85] 2017-01-13  
[86] 2015-07-27 (PCT/FR2015/052068)  
[87] (WO2016/016564)  
[30] FR (1457379) 2014-07-30

[21] **2,955,135**  
[13] A1

[51] **Int.Cl. C25B 15/02 (2006.01) C02F 1/467 (2006.01) C25B 1/26 (2006.01) C25B 15/08 (2006.01)**

[25] EN

[54] **AN ELECTROCHLORINATION APPARATUS**

[54] **APPAREIL D'ELECTROCHLORATION**

[72] COLE, MAXWELL, GB  
[71] GAFFEY TECHNICAL SERVICES LIMITED, GB  
[85] 2017-01-13  
[86] 2015-07-03 (PCT/GB2015/000207)  
[87] (WO2016/009166)  
[30] GB (1412661.9) 2014-07-16

[21] **2,955,142**  
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A24D 1/00 (2006.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01)**

[25] EN

[54] **ELECTRONIC VAPOUR PROVISION SYSTEM**

[54] **SYSTEME ELECTRONIQUE DE DISTRIBUTION DE VAPEUR**

[72] NEWNS, DAVID, GB  
[71] NICOVENTURES HOLDINGS LIMITED, GB  
[85] 2017-01-13  
[86] 2015-08-05 (PCT/GB2015/052261)  
[87] (WO2016/020675)  
[30] GB (1413835.8) 2014-08-05

[21] **2,955,151**  
[13] A1

[51] **Int.Cl. B60G 7/02 (2006.01)**

[25] EN

[54] **FRAME HANGER FOR PROVIDING THRUST ANGLE ALIGNMENT IN VEHICLE SUSPENSION**

[54] **SUPPORT DE CHASSIS POUR LA FOURNITURE DE L'ALIGNEMENT D'UN ANGLE DE PUSSEE DANS UNE SUSPENSION DE VEHICULE**

[72] NOBLE, SHAWN D., US  
[72] VAN METER, MATTHEW J., US  
[72] MARTIN, JOSEPH, US  
[71] HENDRICKSON USA, L.L.C., US  
[85] 2017-01-13  
[86] 2015-06-04 (PCT/US2015/034124)  
[87] (WO2016/010645)  
[30] US (14/331,661) 2014-07-15

[21] **2,955,180**  
[13] A1

[51] **Int.Cl. A61K 31/4985 (2006.01) A61K 31/475 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **COMBINATION METHODS FOR TREATING CANCERS**

[54] **COMBINAISONS POUR TRAITER DES CANCERS**

[72] DI PAOLO, JULIE, US  
[72] CLARKE, ASTRID, US  
[71] GILEAD SCIENCES, INC., US  
[85] 2017-01-13  
[86] 2015-07-10 (PCT/US2015/040029)  
[87] (WO2016/010862)  
[30] US (62/024,424) 2014-07-14

[21] **2,955,193**  
[13] A1

[51] **Int.Cl. C09K 8/524 (2006.01) C09K 8/78 (2006.01) E21B 37/06 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR TREATING OIL AND GAS WELLS**

[54] **COMPOSITIONS ET PROCEDES DE TRAITEMENT DE PUIITS DE PETROLE ET DE GAZ**

[72] AKAIGHE, NELSON, US  
[72] FERNANDEZ, JORGE, US  
[72] JONES, CHRISTIAN, US  
[71] SASOL PERFORMANCE CHEMICALS GMBH, DE  
[85] 2017-01-13  
[86] 2015-07-14 (PCT/US2015/040362)  
[87] (WO2016/011015)  
[30] US (62/024,888) 2014-07-15

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[21] **2,955,195**  
[13] A1

[51] **Int.Cl. C09K 8/524 (2006.01) E21B 37/06 (2006.01)**  
[25] EN  
[54] **COMPOSITIONS AND METHODS FOR CONTROLLING PARAFFIN AND ASPHALTENE PROBLEMS IN WELLS**  
[54] **COMPOSITIONS ET PROCÉDES POUR CONTRÔLER LES PROBLÈMES DE PARAFFINE ET D'ASPHALTÈNE DANS DES PUITS**  
[72] AKAIGHE, NELSON, US  
[72] FERNANDEZ, JORGE, US  
[72] JONES, CHRISTIAN, US  
[72] FILLER, PAUL, US  
[71] SASOL PERFORMANCE CHEMICALS GMBH, DE  
[85] 2017-01-13  
[86] 2015-07-14 (PCT/US2015/040365)  
[87] (WO2016/011018)  
[30] US (62/024,900) 2014-07-15

[21] **2,955,206**  
[13] A1

[51] **Int.Cl. B61F 5/32 (2006.01) B61F 5/38 (2006.01)**  
[25] EN  
[54] **CHASSIS FOR A RAIL VEHICLE**  
[54] **TRAIN DE ROULEMENT D'UN VÉHICULE FERROVIAIRE**  
[72] MEYER, HEIKO, DE  
[72] MARKL, HANS JURGEN, DE  
[71] SIEMENS AKTIENGESELLSCHAFT, DE  
[85] 2017-01-16  
[86] 2015-07-02 (PCT/EP2015/065069)  
[87] (WO2016/008731)  
[30] DE (10 2014 214 055.2) 2014-07-18

[21] **2,955,209**  
[13] A1

[51] **Int.Cl. F03D 9/25 (2016.01) F03D 15/20 (2016.01) H02K 15/00 (2006.01)**  
[25] EN  
[54] **WIND TURBINE WITH DIRECTLY DRIVEN GENERATOR**  
[54] **EOLIENNE ÉQUIPÉE D'UN GÉNÉRATEUR A ENTRAÎNEMENT DIRECT**  
[72] HARTMANN, ULRICH, DE  
[71] SIEMENS AKTIENGESELLSCHAFT, DE  
[85] 2017-01-16  
[86] 2015-07-02 (PCT/EP2015/065073)  
[87] (WO2016/008733)  
[30] EP (14177660.9) 2014-07-18

[21] **2,955,241**  
[13] A1

[51] **Int.Cl. A61K 31/485 (2006.01) A61K 9/70 (2006.01) A61P 25/04 (2006.01) A61P 25/30 (2006.01)**  
[25] EN  
[54] **OXYMORPHONE TRANSDERMAL PATCH**  
[54] **TIMBRE TRANSDERMIQUE D'OXYMORPHONE**  
[72] STINCHCOMB, AUDRA LYNN, US  
[72] HAMMELL, DANA CARMEL, US  
[72] BANKS, STAN LEE, US  
[72] ELDRIDGE, JOSH, US  
[72] GOLINSKI, MIROSLAW JERZY, US  
[71] BUZZZ PHARMACEUTICALS LIMITED, IE  
[85] 2017-01-16  
[86] 2015-07-17 (PCT/EP2015/066456)  
[87] (WO2016/009063)  
[30] US (62/026,195) 2014-07-18  
[30] US (62/187,473) 2015-07-01

[21] **2,955,244**  
[13] A1

[51] **Int.Cl. F16C 33/64 (2006.01) B23K 26/352 (2014.01) B23K 26/08 (2014.01) C21D 1/09 (2006.01) C21D 9/40 (2006.01) C23C 8/66 (2006.01) F16C 33/58 (2006.01) F16C 33/62 (2006.01) F16C 33/66 (2006.01) F16N 15/02 (2006.01)**  
[25] EN  
[54] **APPARATUS FOR AND METHODS OF IMPARTING A LASER SURFACE TREATMENT TO AN EXPOSED SURFACE OF A BEARING COMPONENT FOR IMPROVING LUBRICITY; CORRESPONDING BEARING COMPONENT**  
[54] **APPAREIL ET PROCÉDE POUR ASSURER UN TRAITEMENT DE SURFACE LASER SUR UNE SURFACE EXPOSÉE D'UN COMPOSANT PALIER POUR AMÉLIORER LA LUBRIFIANCE ET COMPOSANT PALIER CORRESPONDANT**  
[72] FERREIRA DA SILVA, ANDERSON, BR  
[72] CAMPANHA, MARCOS VILODRES, BR  
[71] NSK AMERICAS, INC., US  
[85] 2017-01-13  
[86] 2015-07-16 (PCT/US2015/040693)  
[87] (WO2016/011223)  
[30] US (62/025,200) 2014-07-16  
[30] US (62/025,182) 2014-07-16

[21] **2,955,264**  
[13] A1

[51] **Int.Cl. F16L 5/04 (2006.01) F16L 3/22 (2006.01) F16L 3/26 (2006.01) F16L 5/10 (2006.01) H02G 3/04 (2006.01)**  
[25] EN  
[54] **SYSTEM FOR HOLDING IN A CONDUIT CABLES OR DUCTS WITH DIFFERENT DIAMETERS**  
[54] **SYSTÈME DE SUPPORT DE CABLES OU CANALISATIONS DE DIAMÈTRES DIFFÉRENTS DANS UN CONDUIT**  
[72] BEELE, JOHANNES ALFRED, NL  
[71] BEELE ENGINEERING B.V., NL  
[85] 2017-01-16  
[86] 2015-09-10 (PCT/EP2015/070721)  
[87] (WO2016/009092)

[21] **2,955,271**  
[13] A1

[51] **Int.Cl. F16B 33/06 (2006.01) B64D 45/02 (2006.01)**  
[25] EN  
[54] **FASTENERS WITH COATED AND TEXTURED PIN MEMBERS**  
[54] **FIXATIONS A ÉLÉMENTS DE BROCHE REVÊTUS ET TEXTURES**  
[72] KAMAL, MANISH, US  
[72] HAYLOCK, LUKE, US  
[72] MULAZIMOGLU, HASIM, US  
[72] LIEBSCHER, ANDREAS, US  
[72] RIZZA, GREGORY, US  
[72] PINHEIRO, RODRIGO, US  
[71] ARCONIC INC., US  
[85] 2017-01-13  
[86] 2015-09-15 (PCT/US2015/050091)  
[87] (WO2016/044210)  
[30] US (62/051,602) 2014-09-17

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[21] **2,955,275**  
[13] A1

[51] **Int.Cl. F16B 43/00 (2006.01) B64C 1/12 (2006.01) B64C 3/26 (2006.01) B64D 45/02 (2006.01) F16B 5/02 (2006.01) F16B 33/06 (2006.01)**

[25] EN

[54] **FASTENERS WITH DUAL SKIN DEPTH WASHERS**

[54] **DISPOSITIFS DE FIXATION A RONDELLES A DOUBLE PROFONDEUR DE PEAU**

[72] LIEBSCHER, ANDREAS, US  
[72] HAYLOCK, LUKE, US  
[72] RIZZA, GREGORY, US  
[72] MULAZIMOGLU, HASIM, US  
[72] PRACHUMSRI, WUDHIDHAM, US  
[72] PINHEIRO, RODRIGO, US  
[72] KAMAL, MANISH, US  
[71] ARCONIC INC., US  
[85] 2017-01-13  
[86] 2015-09-15 (PCT/US2015/050105)  
[87] (WO2016/044217)  
[30] US (62/051,693) 2014-09-17

[21] **2,955,279**  
[13] A1

[51] **Int.Cl. C21D 1/34 (2006.01) F27B 9/36 (2006.01) F27B 9/40 (2006.01) F27B 13/12 (2006.01) F27B 13/14 (2006.01)**

[25] EN

[54] **METHOD FOR HEATING UP STEEL SHEETS AND DEVICE FOR CARRYING OUT THE METHOD**

[54] **PROCEDE DE CHAUFFAGE DE TOILES D'ACIER ET DISPOSITIF PERMETTANT DE METTRE EN ŒUVRE LEDIT PROCEDE**

[72] HASLMAYR, MICHAEL, AT  
[72] KOLNBERGER, SIEGFRIED, AT  
[72] KURZ, THOMAS, AT  
[72] STEGFELLNER, LEOPOLD, AT  
[72] SOMMER, ANDREAS, DE  
[71] VOESTALPINE STAHL GMBH, AT  
[85] 2017-01-16  
[86] 2015-07-21 (PCT/EP2015/066634)  
[87] (WO2016/012442)  
[30] DE (10 2014 110 415.3) 2014-07-23

[21] **2,955,295**  
[13] A1

[51] **Int.Cl. C04B 35/624 (2006.01) B24D 3/00 (2006.01) B24D 18/00 (2006.01) C04B 35/119 (2006.01) C04B 35/488 (2006.01) C04B 41/88 (2006.01) C09K 3/14 (2006.01) E02F 3/00 (2006.01) F41H 5/00 (2006.01)**

[25] EN

[54] **CERAMIC GRAINS AND METHOD FOR THEIR PRODUCTION**

[54] **GRAINS DE CERAMIQUE ET LEUR PROCEDE DE PRODUCTION**

[72] DESILES, STEPHANE, BE  
[72] FRANCOIS, HUBERT, BE  
[71] MAGOTTEAUX INTERNATIONAL S.A., BE  
[85] 2017-01-13  
[86] 2015-07-16 (PCT/EP2015/066247)  
[87] (WO2016/008970)  
[30] BE (BE 2014/0561) 2014-07-16

[21] **2,955,278**  
[13] A1

[51] **Int.Cl. E04F 19/04 (2006.01) E04F 13/24 (2006.01) F16B 5/12 (2006.01)**

[25] EN

[54] **DEVICE FOR FASTENING A BASEBOARD TO A WALL**

[54] **DISPOSITIF DE FIXATION D'UNE BAGUETTE DE BORD SUR UN MUR**

[72] NEUHOFER JUN., FRANZ, AT  
[71] NEUHOFER JUN., FRANZ, AT  
[85] 2017-01-12  
[86] 2015-07-14 (PCT/AT2015/050166)  
[87] (WO2016/007978)  
[30] AT (A50498/2014) 2014-07-18

[21] **2,955,291**  
[13] A1

[51] **Int.Cl. A01N 63/04 (2006.01) A01N 61/00 (2006.01) A01P 3/00 (2006.01)**

[25] EN

[54] **CLONOSTACHYS ROSEA INOCULATED PLANT MATERIALS WITH FUNGICIDES AND ADJUVANTS**

[54] **MATERIAUX VEGETAUX INOCULES DE CLONOSTACHYS ROSEA AVEC DES FONGICIDES ET DES ADJUVANTS**

[72] BROWN, WILLIAM, G., CA  
[71] ADJUVANTS PLUS USA, INC., US  
[85] 2017-01-13  
[86] 2015-07-14 (PCT/US2015/040418)  
[87] (WO2016/011057)  
[30] US (62/024,137) 2014-07-14

[21] **2,955,298**  
[13] A1

[51] **Int.Cl. C04B 35/119 (2006.01) B24D 3/00 (2006.01) B24D 18/00 (2006.01) C04B 35/488 (2006.01) C04B 35/624 (2006.01) C04B 41/88 (2006.01) C09K 3/14 (2006.01) E02F 3/00 (2006.01) F41H 5/00 (2006.01)**

[25] EN

[54] **CERAMIC GRAINS AND METHOD FOR THEIR PRODUCTION**

[54] **GRAINS DE CERAMIQUE ET LEUR PROCEDE DE FABRICATION**

[72] DESILES, STEPHANE, BE  
[72] FRANCOIS, HUBERT, BE  
[71] MAGOTTEAUX INTERNATIONAL S.A., BE  
[85] 2017-01-13  
[86] 2015-07-16 (PCT/EP2015/066244)  
[87] (WO2016/008967)  
[30] BE (2014/0559) 2014-07-16

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| [21] <b>2,955,299</b><br>[13] A1                                                                                                         | [21] <b>2,955,310</b><br>[13] A1                                                                                                                                    | [21] <b>2,956,141</b><br>[13] A1                                                                      |
| [51] <b>Int.Cl. F28G 15/00 (2006.01) F22B 37/38 (2006.01) F23J 3/00 (2006.01) F28F 19/00 (2006.01) F28G 3/16 (2006.01)</b>               | [51] <b>Int.Cl. C04B 7/19 (2006.01) C04B 28/04 (2006.01) C04B 28/08 (2006.01)</b>                                                                                   | [51] <b>Int.Cl. G06F 17/30 (2006.01) G06F 21/62 (2013.01)</b>                                         |
| [25] EN                                                                                                                                  | [25] EN                                                                                                                                                             | [25] EN                                                                                               |
| [54] <b>SYSTEM AND METHOD FOR DETERMINING A LOCATION OF FOULING ON BOILER HEAT TRANSFER SURFACE</b>                                      | [54] <b>DRY CEMENT MIXTURE</b>                                                                                                                                      | [54] <b>MULTI-USER SEARCH SYSTEM WITH METHODOLOGY FOR PERSONAL SEARCHING</b>                          |
| [54] <b>SYSTEME ET PROCEDE POUR LA DETERMINATION DE LOCALISATION D'ENCRASSEMENT SUR UNE SURFACE DE TRANSFERT DE CHALEUR DE CHAUDIERE</b> | [54] <b>MELANGE DE CIMENT SEC</b>                                                                                                                                   | [54] <b>SYSTEME DE RECHERCHE MULTI-UTILISATEUR POURVU D'UNE METHODOLOGIE DE RECHERCHE PERSONNELLE</b> |
| [72] CARLIER, TIMOTHY M., US                                                                                                             | [72] HOORNAERT, THOMAS, FR                                                                                                                                          | [72] GOEL, SAMIR, US                                                                                  |
| [72] JONES, ANDREW K., US                                                                                                                | [72] GONICHON, STEPHANE, FR                                                                                                                                         | [72] CHASTAGNOL, FRANCK, US                                                                           |
| [71] INTERNATIONAL PAPER COMPANY, US                                                                                                     | [72] VRAU, DELPHINE, FR                                                                                                                                             | [72] AGRAWAL, ABHISHEK, US                                                                            |
| [71] INTEGRATED TEST & MEASUREMENT, US                                                                                                   | [72] MAHOUCHE, HUBERT, FR                                                                                                                                           | [71] DROPBOX, INC., US                                                                                |
| [85] 2017-01-13                                                                                                                          | [72] BAALBAKI, MOUSSA, CH                                                                                                                                           | [85] 2017-01-24                                                                                       |
| [86] 2015-07-24 (PCT/US2015/041946)                                                                                                      | [72] BABAYAN, DAVID, CH                                                                                                                                             | [86] 2015-05-13 (PCT/US2015/030474)                                                                   |
| [87] (WO2016/014923)                                                                                                                     | [71] HOLCIM TECHNOLOGY LTD, CH                                                                                                                                      | [87] (WO2016/028345)                                                                                  |
| [30] US (62/028,830) 2014-07-25                                                                                                          | [85] 2017-01-16                                                                                                                                                     | [30] US (62/040,382) 2014-08-21                                                                       |
|                                                                                                                                          | [86] 2015-06-23 (PCT/IB2015/001017)                                                                                                                                 | [30] US (14/555,147) 2014-11-26                                                                       |
|                                                                                                                                          | [87] (WO2016/009257)                                                                                                                                                |                                                                                                       |
|                                                                                                                                          | [30] AT (A 567/2014) 2014-07-17                                                                                                                                     |                                                                                                       |
|                                                                                                                                          | [30] AT (A 10/2015) 2015-01-08                                                                                                                                      |                                                                                                       |
|                                                                                                                                          | [21] <b>2,955,720</b><br>[13] A1                                                                                                                                    |                                                                                                       |
|                                                                                                                                          | [51] <b>Int.Cl. C12N 1/21 (2006.01) C12N 1/20 (2006.01) C12N 15/31 (2006.01) C12N 15/53 (2006.01) C12N 15/54 (2006.01) C12N 15/60 (2006.01) C12P 7/56 (2006.01)</b> | [21] <b>2,956,145</b><br>[13] A1                                                                      |
|                                                                                                                                          | [25] EN                                                                                                                                                             | [51] <b>Int.Cl. G06F 17/30 (2006.01)</b>                                                              |
|                                                                                                                                          | [54] <b>GENETIC MODIFICATION OF (S)-LACTIC ACID PRODUCING THERMOPHILIC BACTERIA</b>                                                                                 | [25] EN                                                                                               |
|                                                                                                                                          | [54] <b>MODIFICATION GENETIQUE DE BACTERIES THERMOPHILES PRODUISANT DE L'ACIDE (S)-LACTIQUE</b>                                                                     | [54] <b>MULTI-USER SEARCH SYSTEM WITH METHODOLOGY FOR INSTANT INDEXING</b>                            |
|                                                                                                                                          | [72] VAN KRANENBURG, RICHARD, NL                                                                                                                                    | [54] <b>SYSTEME DE RECHERCHE MULTI-UTILISATEUR POURVU D'UNE METHODOLOGIE D'INDEXATION INSTANTANEE</b> |
|                                                                                                                                          | [72] VERHOEF, ANNA, NL                                                                                                                                              | [72] GOEL, SAMIR, US                                                                                  |
|                                                                                                                                          | [72] MACHIELSEN, MARINUS PETRUS, NL                                                                                                                                 | [72] CHASTAGNOL, FRANCK, US                                                                           |
|                                                                                                                                          | [71] PURAC BIOCHEM BV, NL                                                                                                                                           | [72] AGRAWAL, ABHISHEK, US                                                                            |
|                                                                                                                                          | [85] 2017-01-17                                                                                                                                                     | [71] DROPBOX, INC., US                                                                                |
|                                                                                                                                          | [86] 2015-07-13 (PCT/EP2015/065995)                                                                                                                                 | [85] 2017-01-24                                                                                       |
|                                                                                                                                          | [87] (WO2016/012298)                                                                                                                                                | [86] 2015-05-13 (PCT/US2015/030476)                                                                   |
|                                                                                                                                          | [30] EP (14178150.0) 2014-07-23                                                                                                                                     | [87] (WO2016/028346)                                                                                  |
|                                                                                                                                          |                                                                                                                                                                     | [30] US (62/040,382) 2014-08-21                                                                       |
|                                                                                                                                          |                                                                                                                                                                     | [30] US (14/555,140) 2014-11-26                                                                       |
| [21] <b>2,955,301</b><br>[13] A1                                                                                                         |                                                                                                                                                                     |                                                                                                       |
| [51] <b>Int.Cl. C08G 73/02 (2006.01) A61K 47/34 (2017.01)</b>                                                                            |                                                                                                                                                                     |                                                                                                       |
| [25] EN                                                                                                                                  |                                                                                                                                                                     |                                                                                                       |
| [54] <b>METHOD FOR THE PREPARATION OF UNIFORM, HIGH MOLAR MASS CYCLIC IMINO ETHER POLYMERS</b>                                           |                                                                                                                                                                     |                                                                                                       |
| [54] <b>PROCEDE DE PREPARATION DE POLYMERES D'IMINOETHER CYCLIQUE A MASSE MOLLAIRE ELEVEE, UNIFORMES</b>                                 |                                                                                                                                                                     |                                                                                                       |
| [72] HOOGENBOOM, RICHARD, NL                                                                                                             |                                                                                                                                                                     |                                                                                                       |
| [72] MONNERY, BRYN, BE                                                                                                                   |                                                                                                                                                                     |                                                                                                       |
| [71] UNIVERSITEIT GENT, BE                                                                                                               |                                                                                                                                                                     |                                                                                                       |
| [85] 2017-01-16                                                                                                                          |                                                                                                                                                                     |                                                                                                       |
| [86] 2015-07-10 (PCT/EP2015/065829)                                                                                                      |                                                                                                                                                                     |                                                                                                       |
| [87] (WO2016/008817)                                                                                                                     |                                                                                                                                                                     |                                                                                                       |
| [30] EP (14177587.4) 2014-07-18                                                                                                          |                                                                                                                                                                     |                                                                                                       |

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[21] **2,956,157**  
[13] A1

[51] **Int.Cl. G07C 11/00 (2006.01) G06Q 10/08 (2012.01)**  
[25] EN  
[54] **CONSUMER AUTHENTICATION SYSTEMS AND METHODS**  
[54] **SYSTEMES ET PROCEDES D'AUTHENTIFICATION DE CONSOMMATEURS**  
[72] BENOIT, DENNIS R., US  
[72] GREEN, ALAN, US  
[72] GREENWOOD, MARY A., US  
[72] SCHAEFERS, EVA, US  
[71] AVERY DENNISON CORPORATION, US  
[85] 2017-01-24  
[86] 2015-07-23 (PCT/US2015/041669)  
[87] (WO2016/014751)  
[30] US (62/028,876) 2014-07-25  
[30] US (62/063,123) 2014-10-13

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[21] **2,956,187**  
[13] A1

[51] **Int.Cl. G06F 17/28 (2006.01) H04L 12/16 (2006.01)**  
[25] EN  
[54] **LANGUAGE CONTENT TRANSLATION**  
[54] **TRADUCTION DE CONTENU DE LANGUE**  
[72] KIDWAI, YURSIL A., US  
[72] GENSBURG, WILLIAM, US  
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US  
[85] 2017-01-12  
[86] 2015-05-27 (PCT/US2015/032512)  
[87] (WO2016/010633)  
[30] US (14/332,717) 2014-07-16

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[21] **2,956,252**  
[13] A1

[51] **Int.Cl. G07C 15/00 (2006.01) G06Q 30/06 (2012.01)**  
[25] EN  
[54] **METHOD AND SYSTEM FOR PROVIDING ALTERNATIVE USAGES OF CLOSED LOTTERY NETWORKS AND SYSTEMS**  
[54] **PROCEDE ET SYSTEME DE MISE EN PLACE D'UTILISATIONS DE SUBSTITUTION DE RESEAUX ET SYSTEMES FERMES DE LOTERIE**  
[72] IRWIN, KENNETH EARL, JR., US  
[71] SCIENTIFIC GAMES HOLDINGS LIMITED, IE  
[85] 2017-01-25  
[86] 2015-07-16 (PCT/IB2015/055402)  
[87] (WO2016/016759)  
[30] US (62/030,283) 2014-07-29

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[21] **2,956,341**  
[13] A1

[51] **Int.Cl. G06F 3/0488 (2013.01) G06F 3/0481 (2013.01) G06F 3/0484 (2013.01)**  
[25] EN  
[54] **APPARATUS EQUIPPED WITH A TOUCHSCREEN AND METHOD FOR CONTROLLING SUCH AN APPARATUS**  
[54] **APPAREIL EQUIPE D'UN ECRAN TACTILE ET PROCEDE DE COMMANDE D'UN TEL APPAREIL**  
[72] WELLHOEFER, ARMIN, DE  
[72] JEGLORZ, TOBIAS, DE  
[71] WAVELIGHT GMBH, DE  
[85] 2017-01-26  
[86] 2015-07-27 (PCT/EP2015/067152)  
[87] (WO2016/045823)  
[30] DE (10 2014 014 498.4) 2014-09-25

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[21] **2,956,492**  
[13] A1

[51] **Int.Cl. G06Q 30/00 (2012.01) G06T 19/00 (2011.01) G06T 7/10 (2017.01)**  
[25] EN  
[54] **A METHOD, MOBILE DEVICE AND COMPUTER PROGRAM FOR SUBSTITUTING A FURNISHING COVERING SURFACE OF IN AN IMAGE**  
[54] **PROCEDE, DISPOSITIF MOBILE ET PROGRAMME INFORMATIQUE PERMETTANT DE SUBSTITUER UNE SURFACE DE REVETEMENT D'AMEUBLEMENT DANS UNE IMAGE**  
[72] AMPOLLINI, FRANCO, IT  
[72] ROSSINI, MASSIMO, IT  
[72] BEVILACQUA, ALESSANDRO, IT  
[72] GHERARDI, ALESSANDRO, IT  
[71] MATICAD S.R.L., IT  
[85] 2017-01-27  
[86] 2015-07-15 (PCT/IB2015/055350)  
[87] (WO2016/020778)  
[30] IT (BO2014A000431) 2014-07-30

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[21] **2,956,541**  
[13] A1

[51] **Int.Cl. G06Q 10/10 (2012.01)**  
[25] EN  
[54] **PROVIDING NOTIFICATIONS BASED ON USER ACTIVITY DATA**  
[54] **FOURNITURE DE NOTIFICATIONS EN FONCTION DE DONNEES D'ACTIVITE UTILISATEUR**  
[72] HIGGINS, KRYSTAL ROSE, US  
[72] TAPLEY, JOHN, US  
[71] EBAY INC., US  
[85] 2017-01-26  
[86] 2015-07-27 (PCT/US2015/042192)  
[87] (WO2016/018788)  
[30] US (14/446,247) 2014-07-29

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[21] **2,956,566**  
[13] A1

[51] **Int.Cl. G10L 13/033 (2013.01) G10L 21/003 (2013.01) G10L 21/055 (2013.01) H04N 21/85 (2011.01)**

[25] EN  
[54] **CUSTOM VIDEO CONTENT**  
[54] **CONTENU VIDEO PERSONNALISE**

[72] KUMMER, DAVID, US  
[71] ECHOSTAR TECHNOLOGIES L.L.C., US  
[85] 2017-01-27  
[86] 2015-07-17 (PCT/US2015/040829)  
[87] (WO2016/022268)  
[30] US (14/453,343) 2014-08-06

[21] **2,956,567**  
[13] A1

[51] **Int.Cl. G06F 11/07 (2006.01) G06F 11/14 (2006.01)**

[25] EN  
[54] **PROACTIVE FAILURE RECOVERY MODEL FOR DISTRIBUTED COMPUTING**  
[54] **PROCEDE DE REPRISE SUR DEFAILLANCE PROACTIF POUR UN CALCUL DISTRIBUE**

[72] AL-WAHABI, KHALID S., SA  
[71] SAUDI ARABIAN OIL COMPANY, SA  
[85] 2017-01-27  
[86] 2015-07-20 (PCT/US2015/041121)  
[87] (WO2016/018663)  
[30] US (14/445,369) 2014-07-29

[21] **2,956,674**  
[13] A1

[51] **Int.Cl. B62D 37/02 (2006.01) B60R 19/38 (2006.01) B62D 35/00 (2006.01)**

[25] EN  
[54] **ACTIVE FRONT DEFLECTOR**  
[54] **DEFLECTEUR AVANT ACTIF**

[72] ZIELINSKI, JEFFRY J., US  
[72] POVINELLI, ANTHONY J., US  
[72] MATTHEWS, MARTIN R., US  
[72] MANHIRE, JEFFREY B., US  
[71] MAGNA INTERNATIONAL INC., CA  
[85] 2016-12-09  
[86] 2015-06-10 (PCT/US2015/035127)  
[87] (WO2015/191727)  
[30] US (62/010,854) 2014-06-11

[21] **2,956,725**  
[13] A1

[51] **Int.Cl. A61N 1/05 (2006.01)**

[25] EN  
[54] **SEGMENTED FLAT ELECTRODE**  
[54] **ELECTRODE PLATE SEGMENTEE**

[72] MULLER, JOHANNES, DE  
[71] BERLIN HEALS HOLDING AG, CH  
[85] 2017-01-30  
[86] 2015-07-31 (PCT/EP2015/067698)  
[87] (WO2016/016438)  
[30] EP (14179231.7) 2014-07-31

[21] **2,956,729**  
[13] A1

[51] **Int.Cl. G06Q 20/22 (2012.01) G06Q 20/32 (2012.01)**

[25] EN  
[54] **PAYMENT SYSTEM WITH MOBILE DEVICE WHICH DETERMINES THE PAYMENT VEHICLES THAT ARE SUPPORTED BY THE POINT OF SALE**  
[54] **SYSTEME DE PAIEMENT PAR DISPOSITIF MOBILE QUI DETERMINE LES INSTRUMENTS DE PAIEMENT PRIS EN CHARGE PAR LE POINT DE VENTE**

[72] MACRAE, JENNIFER MAY, GB  
[71] MASTERCARD INTERNATIONAL INCORPORATED, US  
[85] 2017-01-30  
[86] 2015-07-31 (PCT/GB2015/052210)  
[87] (WO2016/016655)  
[30] GB (1413621.2) 2014-07-31

[21] **2,956,731**  
[13] A1

[51] **Int.Cl. G06Q 20/00 (2012.01) G06Q 20/40 (2012.01) G06Q 30/02 (2012.01)**

[25] EN  
[54] **UNATTENDED RETAIL SYSTEMS, METHODS AND DEVICES FOR LINKING PAYMENTS, LOYALTY, AND REWARDS**  
[54] **SYSTEMES, PROCEDES ET DISPOSITIFS DE VENTE AU DETAIL AUTOMATIQUES POUR UNE ASSOCIATION DE PAIEMENTS, DE FIDELITE ET DE RECOMPENSES**

[72] SAGADY, CARY M., US  
[72] KOUZNETSOV, DENIS, US  
[71] USA TECHNOLOGIES, INC., US  
[85] 2017-01-30  
[86] 2015-09-11 (PCT/US2015/049578)  
[87] (WO2016/040737)  
[30] US (14/485,274) 2014-09-12

[21] **2,956,782**  
[13] A1

[51] **Int.Cl. G01B 11/00 (2006.01)**

[25] EN  
[54] **TRACKING METHOD AND TRACKING SYSTEM**  
[54] **PROCEDE DE POURSUITE ET SYSTEME DE POURSUITE**

[72] BRALLA, DARIO, CH  
[72] KHANDOZHKO, SERHEY, CH  
[72] SCHMIDT, PEER, DE  
[71] HILTI AKTIENGESELLSCHAFT, LI  
[85] 2017-01-30  
[86] 2015-07-29 (PCT/EP2015/067335)  
[87] (WO2016/016284)  
[30] EP (14179441.2) 2014-08-01

[21] **2,956,784**  
[13] A1

[51] **Int.Cl. G01B 11/00 (2006.01)**

[25] EN  
[54] **TRACKING METHOD AND TRACKING SYSTEM**  
[54] **PROCEDE DE POURSUITE ET SYSTEME DE POURSUITE**

[72] BRALLA, DARIO, CH  
[72] KHANDOZHKO, SERHEY, CH  
[72] SCHMIDT, PEER, DE  
[71] HILTI AKTIENGESELLSCHAFT, LI  
[85] 2017-01-30  
[86] 2015-07-29 (PCT/EP2015/067344)  
[87] (WO2016/016290)  
[30] EP (14179437.0) 2014-08-01

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[21] **2,956,801**  
[13] A1

[51] **Int.Cl. H04W 12/08 (2009.01)**  
[25] EN  
[54] **MANAGING PRIVATE AND PUBLIC SERVICE SET UTILIZATION**  
[54] **GESTION DE L'UTILISATION D'ENSEMBLES DE SERVICES PRIVES ET PUBLICS**  
[72] BESTERMANN, JOHN RANDOLPH, US  
[72] CARTER, WADE E., US  
[72] LUMBATIS, KURT ALAN, US  
[71] ARRIS ENTERPRISES LLC, US  
[85] 2017-01-30  
[86] 2015-07-30 (PCT/US2015/042856)  
[87] (WO2016/022381)  
[30] US (62/034,479) 2014-08-07  
[30] US (14/813,534) 2015-07-30

[21] **2,956,802**  
[13] A1

[51] **Int.Cl. H04N 21/2343 (2011.01)**  
[25] EN  
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[54] **SYSTEMES ET PROCEDES POUR LA DISTRIBUTION MULTIDIFFUSION D'UN PAQUET GERE DANS DES RESEAUX DE FOURNISSEURS DE SERVICES**  
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[71] ARRIS ENTERPRISES LLC, US  
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[54] **DETECTION D'EFFICACITE DE COUPLAGE OPTIQUE**  
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[72] ULINSKAS, VIT, US  
[72] TSE, BEN, US  
[71] NOVARTIS AG, CH  
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[54] **SURAMPLIFICATEUR DE SIGNAL ELECTROMAGNETIQUE**  
[72] TORBETT, PATRICK WILLIAM, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
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[54] **AMELIORATIONS APORTEES ET ASSOCIEES A DES COMMUNICATIONS SECRETES**  
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[72] CULLEN, ALAN MANUEL, GB  
[72] PATERSON, KENNETH GRAHAM, GB  
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[54] **APPAREIL ET PROCEDES DE ROUTAGE**  
[72] CARNEVALI, GIUSEPPE, IT  
[71] NAVIONICS SPA, IT  
[85] 2017-01-31  
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[54] **AMORTISSEMENT SELECTIF AUTOMATIQUE D'UNE ANTENNE RESONANTE**  
[72] PADULA, GUILLERMO H., US  
[71] TYCO FIRE & SECURITY GMBH, CH  
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[54] **BIOMETRIC PAYMENT IN TRANSIT SYSTEMS**  
[54] **PAIEMENT BIOMETRIQUE DANS DES SYSTEMES DE TRANSPORT**  
[72] HO, PATRICK, US  
[71] CUBIC CORPORATION, US  
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[54] **DETECTING AND IDENTIFYING FARE EVASION AT AN ACCESS CONTROL POINT**  
[54] **DETECTION ET IDENTIFICATION DE FRAUDE DE TITRES D'ACCES AU NIVEAU D'UN POINT DE CONTROLE D'ACCES**  
[72] HO, PATRICK, US  
[71] CUBIC CORPORATION, US  
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[54] **BILLETTERIE INTELLIGENTE DANS DES SYSTEMES DE COLLECTE DE TITRE DE TRANSPORT**

[72] HO, PATRICK, US

[72] FULLER, MARK, US

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[71] MOLOTOV, FR

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[25] EN

[54] **DISTRIBUTED VOLTAGE NETWORK CIRCUITS EMPLOYING VOLTAGE AVERAGING, AND RELATED SYSTEMS AND METHODS**

[54] **CIRCUITS DE RESEAU DE TENSION DISTRIBUEE UTILISANT UNE MOYENNE DE TENSION, ET SYSTEMES ET PROCEDES ASSOCIES**

[72] PRICE, BURT LEE, US

[72] KOLLA, YESHWANT NAGARAJ, US

[72] SHAH, DHAVAL RAJESHBHAI, US

[71] QUALCOMM INCORPORATED, US

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[54] **SYSTEMES ET PROCEDES DE CLASSEMENT ET D'ANALYSE D'EVENEMENTS DE DUREE D'EXECUTION**

[72] ROSIER, MICHAEL, US

[71] BENEFITFOCUS.COM, INC., US

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[25] EN

[54] **TIME-TEMPERATURE TRACKING LABEL**

[54] **ETIQUETTE DE SUIVI DE TEMPS-TEMPERATURE**

[72] LAW, YUK YU, US

[71] AVERY DENNISON CORPORATION, US

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[54] **PRESSURE OUTPUT DEVICE FOR EXTRACORPOREAL HEMODIALYSIS MACHINE**

[54] **DISPOSITIF DE SORTIE DE PRESSION POUR MACHINE D'HEMODIALYSE EXTRACORPORELLE**

[72] LINDLEY, DELOY, US

[72] BADILLO, JOSE ANTONIO, US

[72] SMITH, MICHAEL PARRY, US

[72] LASHER, RICHARD ALLEN, US

[72] DAYTON, TROY CALVIN, US

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[54] **PROCEDE, DISPOSITIF ET SYSTEME POUR DECIDER D'UN TRAJET DE DISTRIBUTION D'UNE TACHE**  
[72] DURKOP, HENDRIK, DE  
[72] ZIELINSKI, TOBIAS, DE  
[72] ASLAN, HALIS, DE  
[72] SAREMI, FARBOD, DE  
[71] HYBRIDSERVER TEC IP GMBH, CH  
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[54] **METHOD AND DEVICE FOR ENABLING STATION TO RECEIVE SIGNAL IN WIRELESS COMMUNICATION SYSTEM**  
[54] **PROCEDE ET DISPOSITIF POUR PERMETTRE A UNE STATION DE RECEVOIR UN SIGNAL DANS UN SYSTEME DE COMMUNICATION SANS FIL**  
[72] KIM, JEONGKI, KR  
[72] RYU, KISEON, KR  
[72] PARK, GIWON, KR  
[72] KIM, SUHWOOK, KR  
[72] CHO, HANGYU, KR  
[71] LG ELECTRONICS INC., KR  
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[72] BAHRAM POUR, BAHRAM, US  
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US  
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[54] **SYSTEM AND METHOD FOR VIDEO AUTOMATION**  
[54] **SYSTEME ET PROCEDE D'AUTOMATISATION VIDEO**  
[72] COFFARO, JOSEPH, US  
[72] BEARD, JASON, US  
[72] MCKAY, MATTHEW, US  
[71] FOX BROADCASTING COMPANY, US  
[85] 2017-02-02  
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[54] **DETERMINATION D'ETAT VIVANT PAR ETAPES MULTIPLES**  
[72] DU, ELIZA YINGZI, US  
[72] CHEN, MING YU, US  
[72] VURAL, ESRA, US  
[72] CHAN, KWOKLEUNG, US  
[72] BURNS, DAVID WILLIAM, US  
[72] GANTI, SURYAPRAKASH, US  
[72] SCHNEIDER, JOHN KEITH, US  
[72] BANDYOPADHYAY, SAURAV, US  
[72] GU, JIN, US  
[71] QUALCOMM INCORPORATED, US  
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[25] EN  
[54] **SYSTEM AND METHOD FOR IMPROVING DESIGN OF USER DOCUMENTS**  
[54] **SYSTEME ET PROCEDE D'AMELIORATION DE CONCEPTION DE DOCUMENTS D'UTILISATEUR**  
[72] FINSTERWALD, JOSEPH CHARLES, US  
[72] PETERS, OSI M., US  
[72] TODD, DAVID F., US  
[72] LYNN, ZACHARY ROSS, US  
[71] CIMPRESS SCHWEIZ GMBH, CH  
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[54] **STYLET A COMMANDE DE COULEUR**  
[72] BOULANGER, CATHERINE N., US  
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US  
[85] 2017-02-03  
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[54] **EXTRUDEUSE POUR FABRIQUER DES TOLES PLANES**  
[72] BRUHNKE, ULRICH, DE  
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[30] DE (10 2013 017 178.4) 2013-10-16

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[54] **SYSTEME ET PROCEDE DE PAIEMENT DE FACTURE**  
[72] MOSHAL, MARTIN PAUL, GI  
[71] GELLINER LIMITED, GB  
[85] 2017-02-07  
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[30] GB (1414511.4) 2014-08-15

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[13] A1

[51] **Int.Cl. H04J 11/00 (2006.01) H04J 1/00 (2006.01)**  
[25] EN  
[54] **DYNAMIC CONFIGURATION OF A FLEXIBLE ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING PHY TRANSPORT DATA FRAME PREAMBLE**  
[54] **CONFIGURATION DYNAMIQUE D'UN PREAMBULE DE TRAME DE DONNEES DE TRANSPORT PHY DE MULTIPLEXAGE PAR REPARTITION ORTHOGONALE DE LA FREQUENCE SOUPLE**

[72] SHELBY, KEVIN A., US  
[72] SIMON, MICHAEL J., US  
[72] EARNSHAW, MARK, CA  
[72] RAZA, ZAHIR JAFFER, CA  
[71] ONE MEDIA, LLC, US  
[85] 2017-02-07  
[86] 2015-08-25 (PCT/US2015/046719)  
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[54] **BAIN DE PLACAGE D'ALLIAGE DE CUIVRE-ETAIN**  
[72] TSUJIMOTO, TAKAMITSU, JP  
[72] NAGAO, TOSHIMITSU, JP  
[72] HARA, KENJI, JP  
[72] KATAYAMA, JUNICHI, JP  
[72] OTSUKA, KUNIAKI, JP  
[71] OKUNO CHEMICAL INDUSTRIES CO., LTD., JP  
[85] 2017-02-07  
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[87] (WO2016/021439)  
[30] JP (2014-162294) 2014-08-08

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[13] A1

[51] **Int.Cl. A61F 2/04 (2013.01)**  
[25] EN  
[54] **EXPANDABLE BODY DEVICE AND METHOD OF USE**  
[54] **DISPOSITIF A CORPS DILATABLE ET PROCEDE D'UTILISATION**  
[72] FRANANO, F. NICHOLAS, US  
[72] BRUNELL, STEPHEN, US  
[72] STEPHENSON, KATHERINE, US  
[72] LOREE II, HOWARD M., US  
[71] METACTIVE MEDICAL, INC., US  
[85] 2017-02-07  
[86] 2015-09-17 (PCT/US2015/050783)  
[87] (WO2016/044647)  
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[51] **Int.Cl. B65D 25/14 (2006.01)**  
[25] EN  
[54] **CONTAINER, PACKAGING, AND METHOD FOR PRODUCING SAME**  
[54] **CONTENANT, CONDITIONNEMENT, ET LEUR PROCEDE DE PRODUCTION**  
[72] MCMUNN, KEVIN RALPH, CA  
[71] MCMUNN, KEVIN RALPH, CA  
[85] 2017-02-08  
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[54] **METHOD AND SYSTEM FOR REAL ESTATE VALUATION**  
[54] **PROCEDE ET SYSTEME POUR UNE EVALUATION DE BIENS IMMOBILIERS**  
[72] JAGDEV, SUJIT PAL SINGH, CA  
[72] SAYANY, SALMAN ASHIQALI, CA  
[72] PALLANIK, KYLE ROBERT JOSEPH, CA  
[72] ELLENS, JAMES KENNETH, CA  
[72] DEVADASON, CHRISTOPHER PAUL, CA  
[71] MUNICIPAL PROPERTY ASSESSMENT CORPORATION, CA  
[85] 2017-02-08  
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[25] EN  
[54] **POLYDIMETHYLSILOXANE GRAFTED POLYETHYLENE FOAM**  
[54] **MOUSSE DE POLYETHYLENE GREFFES DE POLYDIMETHYLSILOXANE**  
[72] DU, ZHE, CN  
[72] CHEN, CHENG, CN  
[72] GUO, DAVID HONG FEI, CN  
[72] LI, DACHAO, US  
[72] SUN, GANGWEI, CN  
[72] ZHANG, JIANXIN, CN  
[71] DOW GLOBAL TECHNOLOGIES LLC, US  
[85] 2017-02-08  
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[25] EN  
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[54] **ARRANGEMENT DE DISPOSITIF DE REVETEMENT DESTINE A UNE IMPRIMANTE 3D**  
[72] HOECHSMANN, RAINER, DE  
[72] MUELLER, ALEXANDER, DE  
[72] KLAUA, SVEN, DE  
[71] EXONE GMBH, DE  
[85] 2017-02-08  
[86] 2015-08-26 (PCT/EP2015/069544)  
[87] (WO2016/030417)  
[30] DE (10 2014 112 450.2) 2014-08-29

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[13] A1

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[25] EN  
[54] **HVAC CONTROL SYSTEM AND METHODS FOR OPERATING SAME**  
[54] **SYSTEME DE COMMANDE DE CVCA ET PROCEDES DE FONCTIONNEMENT ASSOCIE**  
[72] JOHNSON, DAVID, JR., US  
[71] JOHNSON SOLID STATE, LLC, US  
[85] 2017-02-08  
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[13] A1

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[25] EN  
[54] **AN LED LIGHTING APPARATUS WITH AN OPEN FRAME NETWORK OF LIGHT MODULES**  
[54] **APPAREIL D'ECLAIRAGE A DEL A RESEAU CADRE OUVERT DE MODULES LUMINEUX**  
[72] PECK, JOHN PATRICK, US  
[72] JENKINS, KENNETH, US  
[72] BOEGE, SAMUAL DAVID, US  
[71] DIALIGHT CORPORATION, US  
[85] 2017-02-09  
[86] 2015-08-12 (PCT/US2015/044873)  
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[30] US (14/458,494) 2014-08-13

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[51] **Int.Cl. A61B 3/113 (2006.01) A61B 5/0488 (2006.01) A61B 5/11 (2006.01) A61B 5/145 (2006.01) A61B 5/16 (2006.01)**  
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[54] **ANS ASSESSMENT SYSTEMS, KITS, AND METHODS**  
[54] **SYSTEMES, NECESSAIRES ET METHODES D'EVALUATION ANS**  
[72] TOTH, LANDY, US  
[72] SCHWARTZ, ROBERT, US  
[71] AUTONOMIX MEDICAL, INC., US  
[85] 2017-02-09  
[86] 2015-08-07 (PCT/US2015/044235)  
[87] (WO2016/025323)  
[30] US (62/035,444) 2014-08-10  
[30] US (62/060,302) 2014-10-06

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[13] A1

[51] **Int.Cl. C07D 417/06 (2006.01) A61K 31/428 (2006.01) A61P 1/16 (2006.01) A61P 3/10 (2006.01) A61P 9/10 (2006.01) A61P 9/12 (2006.01) A61P 11/00 (2006.01) A61P 13/12 (2006.01) A61P 17/00 (2006.01) A61P 19/02 (2006.01) A61P 25/28 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01)**

[25] EN

[54] **CYTOCHROME P450 INHIBITORS AND USES THEREOF**

[54] **INHIBITEURS DE CYTOCHROME P450 ET LEURS UTILISATIONS**

[72] PANICKER, BIJOY, US

[71] ANGION BIOMEDICAL CORPORATION, US

[85] 2017-02-09

[86] 2015-08-11 (PCT/US2015/044557)

[87] (WO2016/025424)

[30] US (62/035,596) 2014-08-11

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[21] **2,957,819**  
[13] A1

[51] **Int.Cl. A61M 1/28 (2006.01) A61B 5/03 (2006.01)**

[25] EN

[54] **DEVICE FOR DETERMINING THE PERITONEAL PRESSURE**

[54] **DISPOSITIF POUR DETERMINER LA PRESSION INTRAPERITONEALE**

[72] HOCHREIN, TORSTEN, DE

[72] HEDMANN, FRANK, DE

[71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE

[85] 2017-02-10

[86] 2015-08-10 (PCT/EP2015/001647)

[87] (WO2016/023632)

[30] DE (10 2014 012 024.4) 2014-08-13

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[21] **2,957,865**  
[13] A1

[51] **Int.Cl. E21B 47/12 (2012.01) E21B 47/13 (2012.01) E21B 47/26 (2012.01) E21B 47/18 (2012.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR CONTROLLING A DOWNHOLE TOOL**

[54] **PROCEDE ET APPAREIL DE COMMANDE D'UN OUTIL DE FOND DE TROU**

[72] KNIGHT, MATTHEW DAVID, GB

[71] PETROWELL LIMITED, GB

[85] 2017-02-10

[86] 2015-09-02 (PCT/GB2015/052536)

[87] (WO2016/034876)

[30] GB (1415599.8) 2014-09-03

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[21] **2,957,953**  
[13] A1

[51] **Int.Cl. C12N 15/53 (2006.01) C12N 15/113 (2010.01) A01H 5/00 (2006.01) C07K 16/40 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 9/02 (2006.01) C12N 15/63 (2006.01) C12P 17/06 (2006.01)**

[25] EN

[54] **CANNABICHROMENIC ACID SYNTHASE FROM CANNABIS SATIVA**

[54] **ACIDE CANNABICHROMENIQUE SYNTHASE TIREE DE CANNABIS SATIVA**

[72] PAGE, JONATHAN E., CA

[72] STOUT, JASON M., CA

[71] NATIONAL RESEARCH COUNCIL OF CANADA (NRC), CA

[85] 2016-12-22

[86] 2015-06-29 (PCT/CA2015/000423)

[87] (WO2015/196275)

[30] US (62/018,128) 2014-06-27

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[21] **2,957,961**  
[13] A1

[51] **Int.Cl. H04L 29/08 (2006.01) H04W 88/08 (2009.01) G06F 17/30 (2006.01) G06Q 10/00 (2012.01) H04M 1/00 (2006.01)**

[25] FR

[54] **METHOD FOR CONTROLLING PERIPHERALS, ASSOCIATED PERIPHERAL DRIVER(S) AND COMPUTER PROGRAM**

[54] **PROCEDE DE PILOTAGE DE PERIPHERIQUE(S), PILOTE DE PERIPHERIQUE(S) ET PROGRAMME D'ORDINATEUR ASSOCIES**

[72] BOUTELEUX, PHILIPPE, FR

[71] THALES, FR

[85] 2017-02-10

[86] 2015-01-21 (PCT/EP2015/051109)

[87] (WO2015/110457)

[30] FR (14 00186) 2014-01-27

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[21] **2,957,963**  
[13] A1

[51] **Int.Cl. C02F 1/469 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR PROVIDING INLETS AND OUTLETS TO CELL PAIRS IN AN ELECTROCHEMICAL SEPARATION DEVICE**

[54] **PROCEDES ET SYSTEMES PERMETTANT DE FOURNIR DES ENTREES ET DES SORTIES A DES PAIRES DE CELLULES DANS UN DISPOSITIF DE SEPARATION ELECTROCHIMIQUE**

[72] LIANG, LI-SHIANG, US

[72] MUSE, MICHAEL J., US

[71] EVOQUA WATER TECHNOLOGIES LLC, US

[85] 2017-02-10

[86] 2015-11-23 (PCT/US2015/062143)

[87] (WO2016/085854)

[30] US (62/084,660) 2014-11-26

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| [51] <b>Int.Cl. C08F 290/06 (2006.01) A61K 9/00 (2006.01) A61K 47/32 (2006.01) C08L 51/08 (2006.01)</b>                                                         | [51] <b>Int.Cl. B65D 65/38 (2006.01) B65B 43/00 (2006.01)</b>                      | [51] <b>Int.Cl. A61K 39/02 (2006.01) A61K 39/00 (2006.01) C07K 14/20 (2006.01)</b>  |
| [25] EN                                                                                                                                                         | [25] EN                                                                            | [25] EN                                                                             |
| [54] <b>BIOMATERIAL WITH REDUCED INFLAMMATORY RESPONSE</b>                                                                                                      | [54] <b>PACKAGING APPARATUS AND METHODS FOR FABRICATING SAME</b>                   | [54] <b>ANTI-OSPA ANTIBODIES AND METHODS OF USE</b>                                 |
| [54] <b>BIOMATERIAU A REACTION INFLAMMATOIRE REDUITE</b>                                                                                                        | [54] <b>APPAREIL D'EMBALLAGE ET PROCEDES POUR LA FABRICATION D'UN TEL APPAREIL</b> | [54] <b>ANTICORPS ANTI-OSPA ET PROCEDES D'UTILISATION</b>                           |
| [72] SANTERRE, PAUL, CA                                                                                                                                         | [72] WELLS, KEVIN, CA                                                              | [72] WANG, YANG, US                                                                 |
| [72] BATTISON, KYLE, CA                                                                                                                                         | [71] WELLS, KEVIN, CA                                                              | [72] THOMAS, WILLIAM D., JR., US                                                    |
| [71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA                                                                                                     | [85] 2017-02-13                                                                    | [72] BOATRIGHT, NAOMI K., US                                                        |
| [85] 2017-02-13                                                                                                                                                 | [86] 2015-08-11 (PCT/CA2015/050754)                                                | [71] UNIVERSITY OF MASSACHUSETTS, US                                                |
| [86] 2015-08-14 (PCT/CA2015/000461)                                                                                                                             | [87] (WO2016/023115)                                                               | [85] 2017-02-10                                                                     |
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| [21] <b>2,957,972</b><br>[13] A1                                                                                                                                | [21] <b>2,957,988</b><br>[13] A1                                                   | [21] <b>2,958,026</b><br>[13] A1                                                    |
| [51] <b>Int.Cl. C05F 17/00 (2006.01) C05F 9/00 (2006.01) C05F 11/00 (2006.01) C05F 17/02 (2006.01) C09K 17/40 (2006.01)</b>                                     | [51] <b>Int.Cl. F16D 65/092 (2006.01) F16D 69/04 (2006.01)</b>                     | [51] <b>Int.Cl. A61B 5/0452 (2006.01) A61B 5/0402 (2006.01) A61N 1/37 (2006.01)</b> |
| [25] EN                                                                                                                                                         | [25] EN                                                                            | [25] EN                                                                             |
| [54] <b>PROCESS TO PRODUCE A COMMERCIAL SOIL ADDITIVE PREPARED FROM COMPOST AND IN SITU OXIDIZED SULPHUR AND SOIL ADDITIVE SO FORMED</b>                        | [54] <b>BRAKE PAD OF A DISC BRAKE GARNITURE DE FREIN D'UN FREIN A DISQUE</b>       | [54] <b>IMPROVEMENT TO ANALYSING PHYSIOLOGICAL ELECTROGRAMS</b>                     |
| [54] <b>PROCEDE POUR PRODUIRE UN ADDITIF COMMERCIAL POUR LE SOL PREPARE A PARTIR DE COMPOST ET DE SOUFRE OXYDE IN SITU ET ADDITIF POUR LE SOL AINSI PREPARE</b> | [72] DRESEN, DIRK, DE                                                              | [54] <b>AMELIORATION APPOREE A L'ANALYSE D'ELECTROGRAMMES PHYSIOLOGIQUES</b>        |
| [72] WIENS, NEIL, CA                                                                                                                                            | [71] KNORR-BREMSE SYSTEME FUER NUTZFABRIK GMBH, DE                                 | [72] SAUMAREZ, RICHARD C., GB                                                       |
| [72] THOMPSON, JEFFREY JOHN, CA                                                                                                                                 | [85] 2017-02-13                                                                    | [71] FEN EP LIMITED, GB                                                             |
| [72] O'DONNELL, CHARLES LEO, CA                                                                                                                                 | [86] 2015-07-15 (PCT/EP2015/066097)                                                | [85] 2017-02-13                                                                     |
| [71] BIO-CAN LTD., CA                                                                                                                                           | [87] (WO2016/023698)                                                               | [86] 2015-07-29 (PCT/GB2015/052190)                                                 |
| [85] 2017-02-13                                                                                                                                                 | [30] DE (10 2014 111 548.1) 2014-08-13                                             | [87] (WO2016/024081)                                                                |
| [86] 2015-08-19 (PCT/CA2015/000473)                                                                                                                             |                                                                                    | [30] GB (1414330.9) 2014-08-13                                                      |
| [87] (WO2016/026026)                                                                                                                                            | [21] <b>2,958,004</b><br>[13] A1                                                   |                                                                                     |
| [30] US (62/039,060) 2014-08-19                                                                                                                                 | [51] <b>Int.Cl. C10B 47/44 (2006.01) C10B 47/48 (2006.01) C10B 53/07 (2006.01)</b> |                                                                                     |
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|                                                                                                                                                                 | [54] <b>CONVERTING POLYMER-CONTAINING MATERIALS TO PETROLEUM PRODUCTS</b>          |                                                                                     |
|                                                                                                                                                                 | [54] <b>CONVERSION DE MATERIAUX CONTENANT DES POLYMERES EN PRODUITS PETROLIERS</b> |                                                                                     |
|                                                                                                                                                                 | [72] BAKAYA, PRIYANKA, US                                                          |                                                                                     |
|                                                                                                                                                                 | [72] COATES, BENJAMIN RALPH, US                                                    |                                                                                     |
|                                                                                                                                                                 | [71] PK CLEAN TECHNOLOGIES, INC., US                                               |                                                                                     |
|                                                                                                                                                                 | [85] 2017-02-10                                                                    |                                                                                     |
|                                                                                                                                                                 | [86] 2014-10-01 (PCT/US2014/058660)                                                |                                                                                     |
|                                                                                                                                                                 | [87] (WO2016/025008)                                                               |                                                                                     |
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[21] **2,958,028**  
[13] A1

[51] **Int.Cl. A61B 5/0452 (2006.01) A61B 5/0402 (2006.01) A61B 5/0464 (2006.01) A61B 5/053 (2006.01) A61N 1/37 (2006.01)**

[25] EN

[54] **APPARATUS FOR RECORDING AND ANALYSING A SURFACE ELECTROCARDIOGRAM (ECG) FOR DISTINGUISHING A PHYSIOLOGICAL SIGNAL FROM NOISE**

[54] **APPAREIL D'ENREGISTREMENT ET D'ANALYSE D'UN ELECTROCARDIOGRAMME (ECG) DE SURFACE POUR DISTINGUER UN SIGNAL PHYSIOLOGIQUE D'UN BRUIT**

[72] SAUMAREZ, RICHARD C., GB  
[71] FEN EP LIMITED, GB  
[85] 2017-02-13  
[86] 2015-07-29 (PCT/GB2015/052192)  
[87] (WO2016/024082)  
[30] GB (1414335.8) 2014-08-13

[21] **2,958,031**  
[13] A1

[51] **Int.Cl. A61M 37/00 (2006.01) A61B 17/00 (2006.01) A61M 13/00 (2006.01)**

[25] EN

[54] **HIGH RESOLUTION SYSTEM AND METHOD FOR CONTROLLING HIGH AND LOW INSUFFLATION FLOW RATES**

[54] **SYSTEME HAUTE RESOLUTION ET PROCEDE DE COMMANDE DE DEBITS ELEVES ET FAIBLES D'INSUFFLATION**

[72] MANTELL, ROBERT, US  
[72] ANDERSEN, ERIC, US  
[72] WEAVER, STEVEN, US  
[72] WILKE, PAUL, US  
[71] NORTHGATE TECHNOLOGIES INC., US  
[85] 2017-02-13  
[86] 2015-08-14 (PCT/IB2015/056209)  
[87] (WO2016/024253)  
[30] US (62/037,893) 2014-08-15

[21] **2,958,035**  
[13] A1

[51] **Int.Cl. B64C 1/00 (2006.01) A62C 31/00 (2006.01) A62C 35/02 (2006.01) B64C 1/06 (2006.01)**

[25] EN

[54] **UNMANNED GLIDER SYSTEM FOR PAYLOAD DISPERSION**

[54] **SYSTEME DE PLANEUR SANS PILOTE DESTINE A UNE DISPERSION DE CHARGE UTILE**

[72] ZILBERTSTEIN, ARIEL, IL  
[71] ALMOG RESCUE SYSTEMS LTD., IL  
[85] 2017-02-13  
[86] 2015-08-11 (PCT/IL2015/050820)  
[87] (WO2016/024276)  
[30] IL (234058) 2014-08-11

[21] **2,958,037**  
[13] A1

[51] **Int.Cl. H05B 6/10 (2006.01) C21D 1/00 (2006.01) C21D 1/42 (2006.01) F27B 9/36 (2006.01) F27D 11/06 (2006.01) H05B 6/36 (2006.01)**

[25] EN

[54] **INDUCTION HEATING DEVICE FOR METAL STRIP**

[54] **DISPOSITIF DE CHAUFFAGE INDUCTIF POUR BANDE METALLIQUE**

[72] TAIRA, MASATO, JP  
[72] HIROTA, YOSHIKI, JP  
[72] ITOH, TAKEO, JP  
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP  
[85] 2017-02-13  
[86] 2015-09-03 (PCT/JP2015/075133)  
[87] (WO2016/035867)  
[30] JP (2014-179664) 2014-09-03  
[30] JP (2014-181692) 2014-09-05

[21] **2,958,039**  
[13] A1

[51] **Int.Cl. A01H 5/10 (2006.01) C07K 14/415 (2006.01) C12N 15/29 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **ISOLATED POLYNUCLEOTIDES AND POLYPEPTIDES, AND METHODS OF USING SAME FOR INCREASING PLANT YIELD AND/OR AGRICULTURAL CHARACTERISTICS**

[54] **POLYNUCLEOTIDES ET POLYPEPTIDES ISOLES, ET PROCEDES LES UTILISANT POUR AUGMENTER UN RENDEMENT VEGETAL ET/OU DES CARACTERISTIQUES AGRICOLES**

[72] GIL, LIDOR, IL  
[72] HILMAN, DROR, IL  
[72] VAN-OSS PINHASI, RUTH, IL  
[72] RIMON KNOPF, RONIT, IL  
[72] BROG, YAACOV MICHA, IL  
[72] MATARASSO, NOA, IL  
[72] PORATY-GAVRA, LIMOR, IL  
[72] OFIR-BIRIN, YIFAT LOUBA, IL  
[72] GALON WOLFENSON, YAEL, IL  
[72] KARCHI, HAGAI, IL  
[71] EVOGENE LTD., IL  
[85] 2017-02-13  
[86] 2015-08-24 (PCT/IL2015/050849)  
[87] (WO2016/030885)  
[30] US (62/042,538) 2014-08-27  
[30] US (62/114,147) 2015-02-10

[21] **2,958,042**  
[13] A1

[51] **Int.Cl. G01N 33/543 (2006.01) C12Q 1/68 (2006.01)**

[25] EN

[54] **METHOD FOR DETECTING TARGET MOLECULE, AND KIT FOR USE IN SAID METHOD**

[54] **PROCEDE DE DETECTION DE MOLECULE CIBLE, ET TROUSSE DESTINEE A ETRE UTILISEE DANS LEDIT PROCEDE**

[72] NOJI, HIROYUKI, JP  
[71] JAPAN SCIENCE AND TECHNOLOGY AGENCY, JP  
[85] 2017-02-13  
[86] 2015-09-09 (PCT/JP2015/004577)  
[87] (WO2016/047068)  
[30] JP (2014-192311) 2014-09-22

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[13] A1

[51] **Int.Cl. B22F 9/04 (2006.01) B22F 9/08 (2006.01) C22C 27/02 (2006.01)**

[25] EN

[54] **A METHOD OF MAKING A CAPACITOR GRADE POWDER AND CAPACITOR GRADE POWDER FROM SAID PROCESS**

[54] **PROCEDE DE FABRICATION DE POUVRE DE QUALITE CONDENSATEUR ET POUVRE DE QUALITE CONDENSATEUR PROVENANT DUDIT PROCEDE**

[72] KATAOKA, EIJI, JP

[72] YOSHIKAWA, SHUHEI, JP

[72] KOENITZER, JOHN, US

[71] GLOBAL ADVANCED METALS USA, INC., US

[85] 2017-02-13

[86] 2014-08-12 (PCT/US2014/050609)

[87] (WO2016/024947)

[21] **2,958,044**  
[13] A1

[51] **Int.Cl. A01G 31/00 (2006.01) A01G 7/06 (2006.01)**

[25] EN

[54] **HYDROPONIC APPARATUS**

[54] **DISPOSITIF HYDROPONIQUE**

[72] YANO, HIROSHI, JP

[72] JEONG, WOOHYEUN, JP

[71] PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD., JP

[85] 2017-02-13

[86] 2015-12-01 (PCT/JP2015/005959)

[87] (WO2016/103583)

[30] JP (2014-260606) 2014-12-24

[21] **2,958,046**  
[13] A1

[51] **Int.Cl. G06Q 50/30 (2012.01) G06Q 50/10 (2012.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR RECIPIENT-SIDE IMAGE PROCESSING**

[54] **SYSTEMES ET PROCEDES POUR UN TRAITEMENT D'IMAGE COTE DESTINATAIRE**

[72] KARPENKO, ALEXANDRE, US

[71] FACEBOOK, INC., US

[85] 2017-02-07

[86] 2015-08-17 (PCT/US2015/045581)

[87] (WO2016/028718)

[30] US (14/465,441) 2014-08-21

[21] **2,958,047**  
[13] A1

[51] **Int.Cl. E21B 43/25 (2006.01) E21B 43/26 (2006.01)**

[25] EN

[54] **JETTING TOOL FOR BOOSTING PRESSURES AT TARGET WELLBORE LOCATIONS**

[54] **OUTIL D'EXCAVATION AU JET POUR AMPLIFIER DES PRESSIONS AU NIVEAU DES EMPLACEMENTS DE Puits DE FORAGE CIBLES**

[72] SURJAATMADJA, JIM BASUKI, US

[72] STEPHENSON, STANLEY V., US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-02-13

[86] 2014-09-15 (PCT/US2014/055617)

[87] (WO2016/043699)

[21] **2,958,048**  
[13] A1

[51] **Int.Cl. E21B 47/00 (2012.01) E21B 49/00 (2006.01)**

[25] EN

[54] **RARE EARTH ALLOYS AS BOREHOLE MARKERS**

[54] **ALLIAGES DE TERRES RARES EN TANT QUE MARQUEURS DE TROU DE FORAGE**

[72] HESS, JOE ELI, US

[72] CUTHBERT, ANDREW, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-02-10

[86] 2014-09-11 (PCT/US2014/055158)

[87] (WO2016/039755)

[21] **2,958,050**  
[13] A1

[51] **Int.Cl. G05D 1/02 (2006.01) A47L 9/28 (2006.01)**

[25] EN

[54] **AUTONOMOUS MOBILE APPARATUS**

[54] **CORPS MOBILE AUTONOME**

[72] IZAWA, HIROKAZU, JP

[72] MARUTANI, YUUKI, JP

[72] WATANABE, KOTA, JP

[71] TOSHIBA LIFESTYLE PRODUCTS & SERVICES CORPORATION, JP

[85] 2017-02-13

[86] 2015-08-10 (PCT/JP2015/072638)

[87] (WO2016/027719)

[30] JP (2014-165905) 2014-08-18

[21] **2,958,051**  
[13] A1

[51] **Int.Cl. B60P 1/28 (2006.01) B60R 13/01 (2006.01) B62D 33/02 (2006.01)**

[25] EN

[54] **WEAR SURFACE**

[54] **SURFACE D'USURE**

[72] CHEWNING, SCOTT R., US

[72] JONES, ADAM M., US

[71] ESCO CORPORATION, US

[85] 2017-02-13

[86] 2015-08-11 (PCT/US2015/044723)

[87] (WO2016/025526)

[30] US (62/036,205) 2014-08-12

[21] **2,958,053**  
[13] A1

[51] **Int.Cl. A61K 47/34 (2017.01) A61K 38/00 (2006.01)**

[25] EN

[54] **TREHALOSE HYDROGELS FOR STABILIZATION AND DELIVERY OF PROTEINS**

[54] **HYDROGELS DE TREHALOSE POUR LA STABILISATION ET L'ADMINISTRATION DE PROTEINES**

[72] MAYNARD, HEATHER D., US

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

[85] 2017-02-13

[86] 2015-08-12 (PCT/US2015/044771)

[87] (WO2016/025551)

[30] US (62/036,431) 2014-08-12

[30] US (62/138,110) 2015-03-25



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[13] A1

[51] **Int.Cl. B01D 63/02 (2006.01) B01D 69/08 (2006.01) B01D 69/10 (2006.01) B01D 69/12 (2006.01) B01D 71/54 (2006.01) B01D 71/56 (2006.01)**

[25] EN

[54] **COMPOSITE HOLLOW FIBER MEMBRANE MODULE AND MANUFACTURING METHOD THEREFOR**

[54] **MODULE DE MEMBRANE A FIBRE CREUSE COMPOSITE ET SON PROCEDE DE FABRICATION**

[72] KIGUCHI, AKIRA, JP  
[72] ANAN, TOMOYA, JP  
[72] NAKAMURA, MIKHIKO, JP  
[72] OHASHI, TOSHIHIKO, JP  
[71] ASAHI KASEI KABUSHIKI KAISHA, JP  
[85] 2017-02-13  
[86] 2015-08-20 (PCT/JP2015/073434)  
[87] (WO2016/027869)  
[30] JP (2014-168776) 2014-08-21

[21] **2,958,055**  
[13] A1

[51] **Int.Cl. C09K 8/44 (2006.01)**

[25] EN

[54] **COMPOSITION INCLUDING A CURABLE RESIN AND ORGANOPHILICALLY-MODIFIED CLAY FOR SUBTERRANEAN OIL WELL APPLICATIONS**

[54] **COMPOSITION COMPRENANT UNE RESINE DURCISSABLE ET UNE ARGILE MODIFIEE DE MANIERE ORGANOPHILIQUE DESTINEE A DES APPLICATIONS DE PUIITS DE PETROLE SOUTERRAIN**

[72] KENNEDY, HERRON J., US  
[72] JONES, PAUL JOSEPH, US  
[72] ALBRIGHTON, LUCAS DAVID, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2017-02-13  
[86] 2014-09-25 (PCT/US2014/057510)  
[87] (WO2016/048332)

[21] **2,958,058**  
[13] A1

[51] **Int.Cl. C07D 231/14 (2006.01) A01N 43/46 (2006.01) A61K 31/415 (2006.01)**

[25] EN

[54] **PROCESS FOR THE PREPARATION OF 3-(3-CHLORO-1H-PYRAZOL-1-YL)PYRIDINE**

[54] **PROCEDE DE PREPARATION DE 3-(3-CHLORO-1H-PYRAZOL-1-YL)PYRIDINE**

[72] YANG, QIANG, US  
[72] LORSBACH, BETH, US  
[72] PODHOREZ, DAVID E., US  
[71] DOW AGROSCIENCES LLC, US  
[85] 2017-02-13  
[86] 2014-10-17 (PCT/US2014/061005)  
[87] (WO2016/028328)  
[30] US (62/039,128) 2014-08-19

[21] **2,958,061**  
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01)**

[25] EN

[54] **MITRAL VALVE IMPLANTS FOR THE TREATMENT OF VALVULAR REGURGITATION**

[54] **IMPLANTS DE VALVULE MITRALE POUR LE TRAITEMENT DE LA REGURGITATION VALVULAIRE**

[72] KHAIRKHAHAN, ALEXANDER K., US  
[72] LESH, MICHAEL D., US  
[71] MIDDLE PEAK MEDICAL, INC., US  
[85] 2017-02-13  
[86] 2015-06-17 (PCT/US2015/036260)  
[87] (WO2015/195823)  
[30] US (62/014,060) 2014-06-18

[21] **2,958,063**  
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01) C07K 1/12 (2006.01) C07K 1/14 (2006.01) G01N 30/72 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR SELECTIVE QUANTITATION AND DETECTION OF ALLERGENS**

[54] **PROCEDES ET SYSTEMES POUR LA QUANTIFICATION ET LA DETECTION SELECTIVES D'ALLERGENES**

[72] OMAN, TRENT JAMES, US  
[72] SCHAFER, BARRY WILLIAM, US  
[72] HILL, RYAN CHRISTOPHER, US  
[72] SHAN, GUOMIN, US  
[71] DOW AGROSCIENCES LLC, US  
[85] 2017-02-13  
[86] 2015-08-11 (PCT/US2015/044710)  
[87] (WO2016/025516)  
[30] US (62/035,744) 2014-08-11  
[30] US (62/035,731) 2014-08-11  
[30] US (62/035,768) 2014-08-11  
[30] US (62/035,800) 2014-08-11  
[30] US (62/035,858) 2014-08-11  
[30] US (62/035,876) 2014-08-11  
[30] US (62/035,920) 2014-08-11  
[30] US (62/035,944) 2014-08-11  
[30] US (62/036,926) 2014-08-13

[21] **2,958,065**  
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR ANCHORING AN IMPLANT**

[54] **SYSTEMES ET PROCEDES D'ANCRAGE D'UN IMPLANT**

[72] KHAIRKHAHAN, ALEXANDER K., US  
[72] LESH, MICHAEL D., US  
[72] KLENK, ALAN R., US  
[72] MAR, CRAIG, US  
[72] DANIELLE, TENE, US  
[72] TUN, ZAYA, US  
[71] MIDDLE PEAK MEDICAL, INC., US  
[85] 2017-02-13  
[86] 2015-06-24 (PCT/US2015/037451)  
[87] (WO2015/200497)  
[30] US (62/016,582) 2014-06-24

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[21] **2,958,067**  
[13] A1

[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/1495 (2006.01)**

[25] EN

[54] **IMPROVED ACCURACY CONTINUOUS GLUCOSE MONITORING METHOD, SYSTEM, AND DEVICE**

[54] **PROCEDE, SYSTEME ET DISPOSITIF DE SURVEILLANCE CONTINUE DU GLUCOSE AVEC UNE PRECISION AMELIOREE**

[72] FACCHINETTI, ANDREA, IT  
[72] SPARACINO, GIOVANNI, IT  
[72] COBELLI, CLAUDIO, IT  
[72] KOVATCHEV, BORIS P., US  
[71] UNIVERSITY OF VIRGINIA PATENT FOUNDATION, US  
[85] 2017-02-13  
[86] 2015-08-14 (PCT/US2015/045340)  
[87] (WO2016/025874)  
[30] US (62/037,133) 2014-08-14

[21] **2,958,069**  
[13] A1

[51] **Int.Cl. F16L 37/30 (2006.01) F16K 1/02 (2006.01) F16L 37/32 (2006.01) F16L 37/34 (2006.01)**

[25] EN

[54] **NOZZLE AND KEYED FLUSH FACE RECEIVER**

[54] **BUSE ET RECEPTEUR CLAVETE A FACE PLATE**

[72] BALLARD, MARK PAUL, US  
[72] BALLARD, CARL PAUL, US  
[72] KENDRICK, JOHN TRENT, US  
[71] FLOMAX INTERNATIONAL, INC., US  
[85] 2017-02-13  
[86] 2015-08-14 (PCT/US2015/045343)  
[87] (WO2016/025877)  
[30] US (62/037,598) 2014-08-14

[21] **2,958,070**  
[13] A1

[51] **Int.Cl. A61F 5/01 (2006.01)**

[25] EN

[54] **LOW PROFILE KNEE BRACE AND METHOD OF USING SAME**

[54] **ATTELLE DE GENOU PEU ENCOMBRANTE ET SON PROCEDE D'UTILISATION**

[72] SELIGMAN, SCOTT, US  
[71] DJO, LLC, US  
[85] 2017-02-13  
[86] 2015-08-20 (PCT/US2015/046159)  
[87] (WO2016/029048)  
[30] US (62/039,716) 2014-08-20

[21] **2,958,073**  
[13] A1

[51] **Int.Cl. F02K 1/00 (2006.01) F02K 1/42 (2006.01) F02K 1/52 (2006.01)**

[25] EN

[54] **EXHAUST ARRANGEMENT FOR AIRCRAFT HAVING SENSOR**

[54] **ENSEMBLE D'ECHAPPEMENT POUR AERONEF COMPRENANT CAPTEUR**

[72] MCGEE, CRAIG S., US  
[72] FRITCHER, SAM R., US  
[71] MCGEE, CRAIG S., US  
[71] FRITCHER, SAM R., US  
[85] 2017-02-13  
[86] 2015-08-14 (PCT/US2015/045359)  
[87] (WO2016/025885)  
[30] US (62/037,381) 2014-08-14

[21] **2,958,074**  
[13] A1

[51] **Int.Cl. G01N 30/72 (2006.01) G01N 27/62 (2006.01) G01N 30/02 (2006.01) G01N 33/68 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR SELECTIVE QUANTITATION AND DETECTION OF ALLERGENS**

[54] **SYSTEMES ET PROCEDES DE QUANTIFICATION ET DE DETECTION SELECTIVE D'ALLERGENES**

[72] OMAN, TRENT JAMES, US  
[72] SCHAFFER, BARRY WILLIAM, US  
[72] HILL, RYAN CHRISTOPHER, US  
[72] SHAN, GUOMIN, US  
[71] DOW AGROSCIENCES LLC, US  
[85] 2017-02-13  
[86] 2015-08-11 (PCT/US2015/044697)  
[87] (WO2016/025506)  
[30] US (62/035,968) 2014-08-11  
[30] US (62/035,981) 2014-08-11  
[30] US (62/035,997) 2014-08-11  
[30] US (62/036,007) 2014-08-11  
[30] US (62/036,016) 2014-08-11  
[30] US (62/036,024) 2014-08-11  
[30] US (62/036,032) 2014-08-11

[21] **2,958,075**  
[13] A1

[51] **Int.Cl. G01S 13/93 (2006.01) G01C 11/02 (2006.01) G03B 37/04 (2006.01) G05D 1/00 (2006.01) G08G 5/04 (2006.01)**

[25] EN

[54] **AN AERIAL SURVEY IMAGE CAPTURE SYSTEM**

[54] **SYSTEME DE CAPTURE D'IMAGE DE LEVE AERIEN**

[72] COPE, SIMON, AU  
[72] VON BERTOUCHE, MICHAEL, AU  
[71] SPOOKFISH INNOVATIONS PTY LTD, AU  
[85] 2017-02-14  
[86] 2015-08-28 (PCT/AU2015/000528)  
[87] (WO2016/029253)  
[30] AU (2014903450) 2014-08-29

[21] **2,958,076**  
[13] A1

[51] **Int.Cl. A23L 2/52 (2006.01)**

[25] EN

[54] **CARBONATED DRINK COMPRISING OMEGA, VITAMINS AND MINERALS**

[54] **BOISSON GAZEUSE COMPRENANT DES ACIDES GRAS OMEGA, DES VITAMINES ET DES MINERAUX**

[72] PHILLIPS, JAMES, US  
[72] HAIRSTON, WANDA, US  
[71] CHANGE COLA, INC., US  
[85] 2017-02-13  
[86] 2015-08-14 (PCT/US2015/045380)  
[87] (WO2016/025898)  
[30] US (62/037,264) 2014-08-14  
[30] US (62/045,063) 2014-09-03

[21] **2,958,080**  
[13] A1

[51] **Int.Cl. C07D 241/08 (2006.01) A61K 38/38 (2006.01) A61P 19/02 (2006.01)**

[25] EN

[54] **TREATMENT OF JOINT CONDITIONS**

[54] **TRAITEMENT DE PATHOLOGIES ARTICULAIRES**

[72] BAR-OR, DAVID, US  
[71] AMPPIO PHARMACEUTICALS, INC., US  
[85] 2017-02-13  
[86] 2015-08-18 (PCT/US2015/045706)  
[87] (WO2016/028790)  
[30] US (62/038,682) 2014-08-18

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[21] **2,958,081**  
[13] A1

[51] **Int.Cl. A61F 9/06 (2006.01) A41D 13/11 (2006.01) A61F 9/02 (2006.01) A61F 9/04 (2006.01)**

[25] EN

[54] **SURGICAL EYE SHIELD**

[54] **ECRAN CHIRURGICAL DE PROTECTION DES YEUX**

[72] WALLIS, ANDREW, AU

[71] WALLIS COOMBE PTY LTD AS TRUSTEE FOR SLEUKY FAMILY TRUST, AU

[85] 2017-02-14

[86] 2015-08-21 (PCT/AU2015/050481)

[87] (WO2016/029257)

[30] AU (2014903456) 2014-08-29

[21] **2,958,083**  
[13] A1

[51] **Int.Cl. B65G 1/137 (2006.01) G06Q 10/06 (2012.01) G05B 19/418 (2006.01)**

[25] EN

[54] **DYNAMIC RATE MATCHING FOR MATERIAL HANDLING**

[54] **ADAPTATION DE DEBIT DYNAMIQUE DE MANIPULATION DE MATERIAU**

[72] OGDEN, RICHARD W., US

[71] DEMATIC CORP., US

[85] 2017-02-13

[86] 2015-08-19 (PCT/US2015/045835)

[87] (WO2016/028857)

[30] US (62/039,632) 2014-08-20

[21] **2,958,084**  
[13] A1

[51] **Int.Cl. H04B 17/00 (2015.01) H04B 17/309 (2015.01) G09B 29/00 (2006.01)**

[25] EN

[54] **PRESENTING WIRELESS-SPECTRUM USAGE INFORMATION**

[54] **PRESENTATION D'INFORMATIONS D'UTILISATION DE SPECTRE SANS FIL**

[72] MANKU, TAJINDER, CA

[72] KRAVETS, OLEKSIY, CA

[72] HIND, HUGH ROBERT FAULKER, CA

[71] COGNITIVE SYSTEMS CORP., CA

[85] 2017-02-14

[86] 2014-11-13 (PCT/CA2014/000826)

[87] (WO2016/061656)

[30] US (14/521,173) 2014-10-22

[21] **2,958,085**  
[13] A1

[51] **Int.Cl. A61K 38/17 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR PREVENTING OR TREATING DISEASES, CONDITIONS, OR PROCESSES CHARACTERIZED BY ABERRANT FIBROBLAST PROLIFERATION AND EXTRACELLULAR MATRIX DEPOSITION**

[54] **COMPOSITIONS ET METHODES DE PREVENTION OU DE TRAITEMENT DE MALADIES, D'AFFECTIONS OU DE PROCESSUS CARACTERISES PAR UNE PROLIFERATION ABERRANTE DES FIBROBLASTES ET UN DEPOT DE MATRICE EXTRACELLULAIRE**

[72] LANDER, CYNTHIA, US

[72] BROPHY, COLLEEN, US

[71] MOERAE MATRIX, INC., US

[85] 2017-02-13

[86] 2015-08-28 (PCT/US2015/047390)

[87] (WO2016/033432)

[30] US (14/473,339) 2014-08-29

[21] **2,958,086**  
[13] A1

[51] **Int.Cl. B31F 7/00 (2006.01) D21H 17/63 (2006.01)**

[25] EN

[54] **METHOD OF INCREASING PAPER SURFACE STRENGTH BY USING POLYALUMINUM CHLORIDE IN A SIZE PRESS FORMULATION CONTAINING STARCH**

[54] **PROCEDE D'AUGMENTATION DE LA RESISTANCE SUPERFICIELLE DE PAPIER A L'AIDE DE POLYCHLORURE D'ALUMINIUM DANS UNE FORMULATION POUR PRESSE ENCOLLEUSE CONTENANT DE L'AMIDON**

[72] CASTRO, DAVID J., US

[72] ANDREWS, WILLIAM, US

[72] SCHWARZ, DANIEL E., US

[71] ECOLAB USA INC., US

[85] 2017-02-13

[86] 2015-08-20 (PCT/US2015/045989)

[87] (WO2016/032831)

[30] US (14/470,686) 2014-08-27

[21] **2,958,087**  
[13] A1

[51] **Int.Cl. H04M 11/04 (2006.01)**

[25] EN

[54] **MEDICAMENT INFORMATION SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE D'INFORMATIONS DE MEDICAMENT**

[72] OSTRANDER, KEVIN, US

[72] DENNY, JOHN W., US

[71] MYLAN INC., US

[85] 2017-02-13

[86] 2015-08-12 (PCT/US2015/044911)

[87] (WO2016/025634)

[30] US (14/460,169) 2014-08-14

[21] **2,958,088**  
[13] A1

[51] **Int.Cl. B23B 47/24 (2006.01) E21D 20/00 (2006.01)**

[25] EN

[54] **BALL BEARING CONNECTOR**

[54] **RACCORD DE PALIER A BILLES**

[72] COUSINEAU, ROBERT, CA

[71] COUSINEAU, ROBERT, CA

[85] 2017-02-14

[86] 2015-08-14 (PCT/CA2015/050774)

[87] (WO2016/023129)

[30] US (62/037,590) 2014-08-14

[21] **2,958,089**  
[13] A1

[51] **Int.Cl. H01M 8/06 (2016.01)**

[25] EN

[54] **ELECTROCHEMICAL SYSTEMS AND METHODS USING METAL HALIDE TO FORM PRODUCTS**

[54] **SYSTEMES ET PROCEDES ELECTROCHIMIQUES FAISANT INTERVENIR DES HALOGENURES METALLIQUES POUR FORMER DES PRODUITS**

[72] ALBRECHT, THOMAS A., US

[72] SOLAS, DENNIS, US

[72] LECLERC, MARGARETE K., US

[72] WEISS, MICHAEL JOSEPH, US

[72] GILLIAM, RYAN J., US

[72] SELF, KYLE, US

[71] CALERA CORPORATION, US

[85] 2017-02-13

[86] 2015-09-15 (PCT/US2015/050196)

[87] (WO2016/044279)

[30] US (62/050,562) 2014-09-15

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[21] **2,958,090**  
[13] A1

[51] **Int.Cl. A61K 38/47 (2006.01) A61K 47/34 (2017.01)**

[25] EN

[54] **BIODEGRADABLE TREHALOSE GLYCOPOLYMERS**

[54] **GLYCOPOLYMERES BIODEGRADABLES DE TREHALOSE**

[72] MAYNARD, HEATHER D., US

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

[85] 2017-02-13

[86] 2015-08-13 (PCT/US2015/044973)

[87] (WO2016/025668)

[30] US (62/036,973) 2014-08-13

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[21] **2,958,091**  
[13] A1

[51] **Int.Cl. F25J 3/08 (2006.01) F17D 1/04 (2006.01)**

[25] EN

[54] **A METHOD OF REMOVING CARBON DIOXIDE DURING LIQUID NATURAL GAS PRODUCTION FROM NATURAL GAS AT GAS PRESSURE LETDOWN STATIONS**

[54] **PROCEDE D'ELIMINATION DE DIOXYDE DE CARBONE PENDANT LA PRODUCTION DE GAZ NATUREL LIQUIDE A PARTIR DE GAZ NATUREL DANS DES STATIONS D'ABAISSMENT DE PRESSION DE GAZ**

[72] LOURENCO, JOSE, CA

[72] MILLAR, MACKENZIE, CA

[71] 1304338 ALBERTA LTD., CA

[71] 1304342 ALBERTA LTD., CA

[85] 2017-02-14

[86] 2014-08-15 (PCT/CA2014/050784)

[87] (WO2016/023098)

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[21] **2,958,092**  
[13] A1

[51] **Int.Cl. C07D 345/00 (2006.01) A61K 9/14 (2006.01) A61K 31/33 (2006.01) A61K 51/04 (2006.01) C07D 421/06 (2006.01) G01N 33/483 (2006.01)**

[25] EN

[54] **ORGANOTELLURIUM COMPOUNDS, COMPOSITIONS AND METHODS OF USE THEREOF**

[54] **COMPOSES D'ORGANOTELLURE, LEURS COMPOSITIONS ET METHODES D'UTILISATION**

[72] NITZ, MARK, CA

[72] EDGAR, LANDON J., CA

[72] WOUTERS, BRADLY G., CA

[72] HEDLEY, DAVID, CA

[72] WILLIS, LISA M., CA

[72] LUMBA, MATTHEW A., CA

[72] PARK, HANUEL, CA

[72] VELLANKI, RAVI N., CA

[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA

[71] UNIVERSITY HEALTH NETWORK, CA

[85] 2017-02-14

[86] 2015-08-20 (PCT/CA2015/050793)

[87] (WO2016/026046)

[30] US (62/039,762) 2014-08-20

[30] US (62/165,002) 2015-05-21

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[21] **2,958,095**  
[13] A1

[51] **Int.Cl. C07D 403/04 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**

[25] EN

[54] **2-(2,4,5-SUBSTITUTED ANILINE) PYRIMIDINE DERIVATIVE, PHARMACEUTICAL COMPOSITION AND USE THEREOF**

[54] **DERIVE 2-(ANILINE 2,4,5-SUBSTITUEE)PYRIMIDINE, COMPOSITION PHARMACEUTIQUE ET LEUR UTILISATION**

[72] ZHU, XIAOYUN, CN

[72] JI, AINING, CN

[72] JIANG, MINGYU, CN

[71] CHANGZHOU RUNNOR BIOLOGICAL TECHNOLOGY CO., LTD, CN

[85] 2017-02-14

[86] 2015-07-31 (PCT/CN2015/085714)

[87] (WO2016/023422)

[30] CN (201410401604.7) 2014-08-15

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[21] **2,958,097**  
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 31/12 (2006.01)**

[25] EN

[54] **PYRROLOPYRIMIDINE COMPOUNDS USED AS TLR7 AGONIST**

[54] **COMPOSES PYRROLOPYRIMIDINE UTILISES EN TANT QU'AGONISTES DU TLR7**

[72] DING, ZHAOZHONG, CN

[72] WU, HAO, CN

[72] SUN, FEI, CN

[72] WU, LIFANG, CN

[72] YANG, LING, CN

[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN

[85] 2017-02-14

[86] 2015-08-14 (PCT/CN2015/086909)

[87] (WO2016/023511)

[30] CN (201410405136.0) 2014-08-15

[30] CN (201510392499.X) 2015-07-06

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[21] **2,958,098**  
[13] A1

[51] **Int.Cl. B32B 3/12 (2006.01) B32B 27/04 (2006.01)**

[25] EN

[54] **FLAME-RETARDANT LIGHTWEIGHT STRUCTURAL CORE AND MANUFACTURING METHOD THEREFOR**

[54] **NOYAU STRUCTUREL DE FAIBLE POIDS IGNIFUGE ET SON PROCEDE DE FABRICATION**

[72] YANG, JIN, CN

[72] LI, GUOFENG, CN

[72] WU, HONGWEI, CN

[72] JIANG, QIBIN, CN

[71] ZHUZHOU TIMES NEW MATERIAL TECHNOLOGY CO., LTD (CHINA CORPORATION), CN

[85] 2017-02-14

[86] 2014-11-05 (PCT/CN2014/090334)

[87] (WO2016/026217)

[30] CN (201410407607.1) 2014-08-19

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[21] **2,958,104**  
[13] A1

[51] **Int.Cl. C07C 2/86 (2006.01) C07C 15/02 (2006.01) C10G 35/04 (2006.01)**

[25] EN

[54] **METHOD OF PRODUCING CONCENTRATE OF AROMATIC HYDROCARBONS FROM LIQUID HYDROCARBON FRACTIONS, AND INSTALLATION FOR IMPLEMENTING SAME**

[54] **PROCEDE POUR OBTENIR UN CONCENTRE D'HYDROCARBURES AROMATIQUES A PARTIR DE FRACTIONS D'HYDROCARBURES LIQUIDES ET INSTALLATION DE SA MISE EN OEUVRE**

[72] IMSHENETSKIY, VLADIMIR VLADISLAVOVICH, RU

[72] PCHELINTSEV, DENIS VASILYEVICH, RU

[72] LISCHINER, JOSEPH IZRAILEVICH, RU

[72] MALOVA, OLGA VASILYEVNA, RU

[72] TARASOV, ANDREY LEONIDOVICH, RU

[71] NGT GLOBAL AG, CH

[85] 2017-02-13

[86] 2015-08-10 (PCT/RU2015/000496)

[87] (WO2016/024883)

[30] RU (2014133053) 2014-08-12

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[21] **2,958,105**  
[13] A1

[51] **Int.Cl. C07H 15/24 (2006.01)**

[25] EN

[54] **NON-CALORIC SWEETENERS AND METHODS FOR SYNTHESIZING**

[54] **EDULCORANTS NON CALORIQUES ET PROCEDES DE SYNTHESE**

[72] MAO, GUOHONG, US

[72] YU, XIAODAN, US

[71] CONAGEN INC., US

[85] 2017-02-13

[86] 2015-10-02 (PCT/US2015/053777)

[87] (WO2016/054540)

[30] US (62/059,498) 2014-10-03

[30] US (62/098,929) 2014-12-31

[21] **2,958,110**  
[13] A1

[51] **Int.Cl. A61K 31/35 (2006.01) A61K 31/585 (2006.01) A61P 11/00 (2006.01)**

[25] EN

[54] **TREATMENT OF SLEEP APNEA WITH A COMBINATION OF A CARBONIC ANHYDRASE INHIBITOR AND AN ALDOSTERONE ANTAGONIST**

[54] **TRAITEMENT D'APNEE DU SOMMEIL A L'AIDE D'UNE COMBINAISON D'UN INHIBITEUR D'ANHYDRASE CARBONIQUE ET D'UN ANTAGONISTE D'ALDOSTERONE**

[72] BOWDEN, CHARLES H., US

[72] PETERSON, CRAIG, US

[71] VIVUS, INC., US

[85] 2017-02-13

[86] 2015-08-13 (PCT/US2015/044978)

[87] (WO2016/025671)

[30] US (62/037,244) 2014-08-14

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[21] **2,958,114**  
[13] A1

[51] **Int.Cl. A61B 5/02 (2006.01) H04W 4/00 (2009.01)**

[25] EN

[54] **SYSTEM FOR DETECTING VITAL SIGNS ASSOCIATED WITH THE USE OF DISPOSABLE ABSORBENT ARTICLES**

[54] **SYSTEME POUR CAPTER DES SIGNES VITAUX ASSOCIE A L'UTILISATION D'ARTICLES ABSORBANTS JETABLES**

[72] GONZALEZ MARTINEZ, RAUL, MX

[72] SANCHEZ FERNANDEZ, LUCIA DEL CARMEN, MX

[72] CANALES ESPINOSA DE LOS MONTEROS, CARLOS, MX

[72] CORONA CARLOS, ALBERTO, MX

[71] GRUPO P.I. MABE, S.A. DE C.V., MX

[85] 2017-02-14

[86] 2015-07-21 (PCT/IB2015/055526)

[87] (WO2016/027179)

[30] MX (MX/a/2014/009943) 2014-08-18

[21] **2,958,116**  
[13] A1

[51] **Int.Cl. E21B 47/16 (2006.01) E21B 41/00 (2006.01)**

[25] EN

[54] **DOWNHOLE WIRELESS TRANSFER SYSTEM**

[54] **SYSTEME DE TRANSFERT SANS FIL DE FOND DE TROU**

[72] VASQUES, RICARDO REVES, DK

[72] MASSEY, DEAN RICHARD, DK

[71] WELLTEC A/S, DK

[85] 2017-02-14

[86] 2015-08-26 (PCT/EP2015/069525)

[87] (WO2016/030412)

[30] EP (14182419.3) 2014-08-27

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[21] **2,958,119**  
[13] A1

[51] **Int.Cl. A61M 16/06 (2006.01) A61M 16/08 (2006.01) A62B 18/08 (2006.01)**

[25] EN

[54] **RESPIRATORY MASK AND RELATED PORTIONS, COMPONENTS OR SUB-ASSEMBLIES**

[54] **MASQUE RESPIRATOIRE ET PARTIES, COMPOSANTS OU SOUS-ENSEMBLES ASSOCIES**

[72] OLSEN, GREGORY JAMES, NZ

[72] BORNHOLDT, MELISSA CATHERINE, NZ

[72] MARTIN, CAMPBELL NEIL ADDISON, NZ

[72] SPEAR, TONY WILLIAM, NZ

[72] MITTERMEIER, SIMON, NZ

[72] ROSE, HAMISH JOSHUA, NZ

[72] BETTERIDGE, MAX LEON, NZ

[72] NIGHTINGALE, CHRISTOPHER EARL, NZ

[72] PEDERSEN, MATTHEW JAMES, NZ

[72] JOHNSON, SOPHIA ADELE, NZ

[72] ARROWSMITH, MARK JOHN, NZ

[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ

[85] 2017-02-14

[86] 2015-08-25 (PCT/NZ2015/050119)

[87] (WO2016/032343)

[30] US (62/041,234) 2014-08-25

[30] US (62/041,236) 2014-08-25

[30] US (62/041,262) 2014-08-25

[30] US (62/096,481) 2014-12-23

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[13] A1

[51] **Int.Cl. A61M 16/06 (2006.01)**  
[25] EN  
[54] **HEADGEAR ASSEMBLIES AND INTERFACE ASSEMBLIES WITH HEADGEAR**  
[54] **ENSEMBLES CASQUE ET ENSEMBLES D'INTERFACE AVEC CASQUE**  
[72] HUDDART, BRETT JOHN, NZ  
[72] HAMMER, JEROEN, NZ  
[72] SLIGHT, MATTHEW ROBERT GEOFF, NZ  
[72] KAPELEVICH, VITALY, NZ  
[72] MONROY FELIX, DAVID, NZ  
[72] GORDON, CALLUM ROSS, NZ  
[72] WALLS, BRUCE MICHAEL, NZ  
[72] BORNHOLDT, MELISSA CATHERINE, NZ  
[72] STEPHENSON, MATTHEW ROGER, NZ  
[72] FREESTONE, PAUL MATHEW, NZ  
[72] GRAHAM, RYAN ANTHONY, NZ  
[72] MCLAREN, MARK ARVIND, NZ  
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ  
[85] 2017-02-14  
[86] 2015-09-16 (PCT/NZ2015/050149)  
[87] (WO2016/043603)  
[30] US (62/050,925) 2014-09-16  
[30] US (62/053,026) 2014-09-19  
[30] US (62/062,720) 2014-10-10  
[30] US (62/138,304) 2015-03-25  
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[30] US (62/196,672) 2015-07-24  
[30] US (62/198,104) 2015-07-28

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[21] **2,958,122**  
[13] A1

[51] **Int.Cl. G06F 3/00 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR PROVIDING FUNCTIONALITY BASED ON DEVICE ORIENTATION**  
[54] **SYSTEMES ET PROCEDES POUR PRESENTER UNE FONCTIONNALITE EN FONCTION D'UNE ORIENTATION DU DISPOSITIF**  
[72] BALDWIN, ROBERT MICHAEL, US  
[71] FACEBOOK, INC., US  
[85] 2017-02-14  
[86] 2014-08-29 (PCT/US2014/053590)  
[87] (WO2016/032534)  
[30] US (14/472,137) 2014-08-28

[21] **2,958,125**  
[13] A1

[51] **Int.Cl. H04L 29/08 (2006.01) H04L 29/12 (2006.01)**  
[25] EN  
[54] **METHODS AND APPARATUS TO PREDICT END OF STREAMING MEDIA USING A PREDICTION MODEL**  
[54] **PROCEDES ET APPAREIL POUR PREDIRE LA FIN D'UNE DIFFUSION MULTIMEDIA EN FLUX CONTINU A L'AIDE D'UN MODELE DE PREDICTION**  
[72] BESEHANIC, JAN, US  
[71] THE NIELSEN COMPANY (US), LLC, US  
[85] 2017-02-14  
[86] 2014-12-02 (PCT/US2014/068075)  
[87] (WO2016/032553)  
[30] US (14/473,602) 2014-08-29

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[21] **2,958,129**  
[13] A1

[51] **Int.Cl. A61H 33/04 (2006.01) A61B 17/34 (2006.01)**  
[25] EN  
[54] **CANNULA INSERTION SUSTAINING SYSTEMS AND DEVICES**  
[54] **SYSTEMES ET DISPOSITIFS DE MAINTIEN D'INSERTION DE CANULE**  
[72] LUE, JAW-CHYNG LORMEN, US  
[72] HUMAYUN, MARK, US  
[71] DOHENY EYE INSTITUTE, US  
[85] 2017-02-14  
[86] 2015-07-13 (PCT/US2015/040175)  
[87] (WO2016/039846)  
[30] US (62/047,210) 2014-09-08  
[30] US (14/796,453) 2015-07-10

[21] **2,958,132**  
[13] A1

[51] **Int.Cl. C22C 21/00 (2006.01) B22D 11/00 (2006.01) B22D 11/049 (2006.01) B22D 11/124 (2006.01) C22F 1/047 (2006.01) C22F 1/00 (2006.01)**  
[25] EN  
[54] **SUPERPLASTIC-FORMING ALUMINIUM ALLOY PLATE AND PRODUCTION METHOD THEREFOR**  
[54] **PLAQUE D'ALLIAGE D'ALUMINIUM A FORMAGE SUPERPLASTIQUE ET SON PROCEDE DE PRODUCTION**  
[72] KUDO, TOMOYUKI, JP  
[72] SHINZATO, YOSHIFUMI, JP  
[72] KURAMOTO, RYO, JP  
[71] UACJ CORPORATION, JP  
[85] 2017-02-14  
[86] 2015-10-08 (PCT/JP2015/005121)  
[87] (WO2016/056240)  
[30] JP (2014-208188) 2014-10-09

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[21] **2,958,138**  
[13] A1

[51] **Int.Cl. A61B 17/34 (2006.01) A61B 90/00 (2016.01)**  
[25] EN  
[54] **SURGICAL ACCESS PORT AND ASSEMBLY**  
[54] **ENSEMBLE ET ORIFICE D'ACCES CHIRURGICAL**  
[72] GRIFFITHS, DOMINIC, GB  
[72] EVANS, NICHOLAS, GB  
[72] BANNISTER, PETER, GB  
[72] WARREN, NEIL, GB  
[72] AMOAH, FRANCIS KWEKU EGYIN, GB  
[71] ALESI SURGICAL LIMITED, GB  
[85] 2017-02-14  
[86] 2015-08-14 (PCT/GB2015/052369)  
[87] (WO2016/024133)  
[30] GB (1414533.8) 2014-08-15

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[21] **2,958,141**  
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) C07K 14/755 (2006.01) C12N 15/00 (2006.01) C12N 15/861 (2006.01)**

[25] EN

[54] **AN IMPROVED EXPRESSION CASSETTE FOR PACKAGING AND EXPRESSION OF VARIANT FACTOR VIII FOR THE TREATMENT OF HEMOSTASIS DISORDERS**

[54] **CASSETTE D'EXPRESSION AMELIOREE POUR LE CONDITIONNEMENT ET L'EXPRESSION DE VARIANTES DU FACTEUR VIII POUR LE TRAITEMENT DES TROUBLES DE L'HEMOSTASE**

[72] SABATINO, DENISE, US  
[72] ELKOUBY, LIRON, US  
[72] HIGH, KATHERINE A., US  
[71] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US  
[71] SABATINO, DENISE, US  
[71] ELKOUBY, LIRON, US  
[71] HIGH, KATHERINE A., US  
[85] 2017-02-13  
[86] 2015-08-13 (PCT/US2015/045142)  
[87] (WO2016/025764)  
[30] US (62/036,936) 2014-08-13

[21] **2,958,144**  
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **RSPO1 BINDING AGENTS AND USES THEREOF**

[54] **AGENTS DE LIAISON DE RSPO1 ET LEURS UTILISATIONS**

[72] GURNEY, AUSTIN, US  
[71] ONCOMED PHARMACEUTICALS, INC., US  
[85] 2017-02-13  
[86] 2015-08-14 (PCT/US2015/045210)  
[87] (WO2016/025797)  
[30] US (62/037,880) 2014-08-15

[21] **2,958,145**  
[13] A1

[51] **Int.Cl. A61K 38/47 (2006.01)**

[25] EN

[54] **USE OF HYALURONIDASE FOR TREATMENT OF MUSCLE STIFFNESS**

[54] **UTILISATION D'HYALURONIDASE POUR LE TRAITEMENT DE LA RIGIDITE MUSCULAIRE**

[72] RAGHAVAN, PREETI, US  
[72] STECCO, ANTONIO, IT  
[71] NEW YORK UNIVERSITY, US  
[85] 2017-02-14  
[86] 2015-07-16 (PCT/US2015/040767)  
[87] (WO2016/011262)  
[30] US (62/025,257) 2014-07-16  
[30] US (62/118,707) 2015-02-20

[21] **2,958,151**  
[13] A1

[51] **Int.Cl. H02J 7/00 (2006.01)**

[25] EN

[54] **BATTERY CHARGER STATUS CONTROL SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE DE COMMANDE DE CHARGEUR DE BATTERIE**

[72] BUTLER, BRIAN F., US  
[72] NGUYEN, LINH, US  
[72] CLARKE, PATRICK, US  
[72] WHITING, JOHN, US  
[71] SCHUMACHER ELECTRIC CORPORATION, US  
[85] 2017-02-13  
[86] 2015-08-14 (PCT/US2015/045323)  
[87] (WO2016/025861)  
[30] US (62/037,380) 2014-08-14

[21] **2,958,154**  
[13] A1

[51] **Int.Cl. H02M 3/18 (2006.01) H02J 7/02 (2016.01)**

[25] EN

[54] **COMPACT MULTIFUNCTIONAL BATTERY BOOSTER**

[54] **BLOC D'ALIMENTATION MULTIFONCTIONNEL COMPACT POUR DEMARRAGE DE SECOURS**

[72] BUTLER, BRIAN F., US  
[72] NGUYEN, LINH, US  
[72] CLARKE, PATRICK, US  
[72] ZHU, SHENZHONG, US  
[72] CHEN, XIAO, US  
[71] SCHUMACHER ELECTRIC CORPORATION, US  
[85] 2017-02-13  
[86] 2015-08-14 (PCT/US2015/045335)  
[87] (WO2016/025869)  
[30] US (62/037,379) 2014-08-14

[21] **2,958,162**  
[13] A1

[51] **Int.Cl. A47C 27/10 (2006.01) A47C 27/14 (2006.01) A47C 27/18 (2006.01)**

[25] EN

[54] **A BRACING MEMBER**

[54] **ELEMENT D'ENTRETOISEMENT**

[72] KATAN, JOE, GB  
[71] BALLUGA LIMITED, GB  
[85] 2017-02-14  
[86] 2014-08-14 (PCT/GB2014/052502)  
[87] (WO2015/025135)  
[30] GB (1314877.0) 2013-08-20  
[30] GB (1320511.7) 2013-11-20  
[30] GB (1320712.1) 2013-11-22

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[21] **2,958,168**  
[13] A1

[51] **Int.Cl. A61B 5/01 (2006.01) A61B 5/02 (2006.01) A61B 5/053 (2006.01)**  
[25] EN  
[54] **EPIDERMAL DEVICES FOR ANALYSIS OF TEMPERATURE AND THERMAL TRANSPORT CHARACTERISTICS**  
[54] **DISPOSITIFS EPIDERMiques POUR L'ANALYSE DE LA TEMPERATURE ET DE CARACTERISTIQUES DE TRANSPORT THERMIQUE**  
[72] ROGERS, JOHN A., US  
[72] GAO, LI, US  
[72] MALYARCHUK, VIKTOR, US  
[72] WEBB, RICHARD CHAD, US  
[71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, US  
[85] 2017-02-10  
[86] 2015-08-11 (PCT/US2015/044588)  
[87] (WO2016/025438)  
[30] US (62/035,866) 2014-08-11

[21] **2,958,170**  
[13] A1

[51] **Int.Cl. C07D 413/10 (2006.01) A01N 43/80 (2006.01) A01P 13/00 (2006.01)**  
[25] EN  
[54] **PYRIMIDINE UREA COMPOUND CONTAINING ISOXAZOLINES AND USE THEREOF**  
[54] **COMPOSE D'UREE DE PYRIMIDINE CONTENANT DES ISOXAZOLINES ET SON UTILISATION**  
[72] LIU, CHANGLING, CN  
[72] YANG, JICHUN, CN  
[72] MA, HONGJUAN, CN  
[72] WU, QIAO, CN  
[72] CUI, DONGLIANG, CN  
[72] YAN, KECHENG, CN  
[72] LI, MIAO, CN  
[71] SHENYANG SINOCEM AGROCHEMICALS R&D CO., LTD., CN  
[85] 2017-02-14  
[86] 2015-12-14 (PCT/CN2015/097223)  
[87] (WO2016/095768)  
[30] CN (201410781642.X) 2014-12-16

[21] **2,958,176**  
[13] A1

[51] **Int.Cl. B65H 1/06 (2006.01)**  
[25] EN  
[54] **ARTICLE DISPENSER AND METHODS RELATING TO SAME**  
[54] **DISTRIBUTEUR D'ARTICLES ET PROCEDES ASSOCIES**  
[72] DEMATTEIS, ROBERT B., US  
[72] DEMATTEIS, LINDSEY E., US  
[71] DEMATTEIS, ROBERT B., US  
[71] DEMATTEIS, LINDSEY E., US  
[85] 2017-02-14  
[86] 2014-08-22 (PCT/US2014/052279)  
[87] (WO2015/031191)  
[30] US (61/959,566) 2013-08-24  
[30] US (61/945,668) 2014-02-27

[21] **2,958,178**  
[13] A1

[51] **Int.Cl. E21B 47/02 (2006.01) E21B 47/022 (2012.01) E21B 47/09 (2012.01)**  
[25] EN  
[54] **DIRECTIONAL DRILLING METHODS AND SYSTEMS EMPLOYING MULTIPLE FEEDBACK LOOPS**  
[54] **PROCEDES ET SYSTEMES DE FORAGE DIRECTIONNEL UTILISANT DE MULTIPLES BOUCLES D'ASSERVISSEMENT**  
[72] DYKSTRA, JASON D., US  
[72] XUE, YUZHEN, US  
[72] BU, FANPING, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2017-02-14  
[86] 2014-09-16 (PCT/US2014/055945)  
[87] (WO2016/043724)

[21] **2,958,182**  
[13] A1

[51] **Int.Cl. E21B 37/00 (2006.01) E21B 43/02 (2006.01)**  
[25] EN  
[54] **DRILLING DEBRIS SEPARATOR**  
[54] **SEPARATEUR DE DEBRIS DE FORAGE**  
[72] MERICAS, CHRISTOPHER JAMES, US  
[72] HENRY, KEVIN WAYNE, US  
[72] STAIR, TODD ANTHONY, US  
[72] DOWNY, LUKE CHRISTOPHER, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2017-02-14  
[86] 2014-10-14 (PCT/US2014/060435)  
[87] (WO2016/060648)

[21] **2,958,179**  
[13] A1

[51] **Int.Cl. G06K 19/07 (2006.01) G06Q 20/34 (2012.01)**  
[25] EN  
[54] **PAYMENT CARD HAVING LIGHT-EMITTING DIODE INDICATORS COORDINATED WITH STORED PAYMENT APPLICATIONS**  
[54] **CARTE DE PAIEMENT AYANT DES INDICATEURS A DIODES ELECTROLUMINESCENTES COORDONNES AVEC DES APPLICATIONS DE PAIEMENT STOCKEES**  
[72] HANMER, MATTHEW, GB  
[71] MASTERCARD INTERNATIONAL INCORPORATED, US  
[85] 2017-02-14  
[86] 2015-07-31 (PCT/US2015/043125)  
[87] (WO2016/025193)  
[30] US (14/461,055) 2014-08-15

[21] **2,958,182**  
[13] A1

[51] **Int.Cl. E21B 37/00 (2006.01) E21B 43/02 (2006.01)**  
[25] EN  
[54] **DRILLING DEBRIS SEPARATOR**  
[54] **SEPARATEUR DE DEBRIS DE FORAGE**  
[72] MERICAS, CHRISTOPHER JAMES, US  
[72] HENRY, KEVIN WAYNE, US  
[72] STAIR, TODD ANTHONY, US  
[72] DOWNY, LUKE CHRISTOPHER, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2017-02-14  
[86] 2014-10-14 (PCT/US2014/060435)  
[87] (WO2016/060648)



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[13] A1

[51] **Int.Cl. G01V 3/18 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR REMOVAL OF ELECTROMAGNETIC DISPERSION AND ATTENUATION FOR IMAGING OF PROPPANT IN AN INDUCED FRACTURE**  
[54] **SYSTEMES ET PROCEDES PERMETTANT L'ELIMINATION DE DISPERSION ET D'ATTENUATION ELECTROMAGNETIQUE POUR L'IMAGERIE D'AGENT DE SOUTÈNEMENT DANS UNE FRACTURE INDUITE**  
[72] BARTEL, LEWIS, US  
[71] CARBO CERAMICS INC., US  
[85] 2017-02-14  
[86] 2015-08-03 (PCT/US2015/043460)  
[87] (WO2016/025212)  
[30] US (14/460,715) 2014-08-15

[21] **2,958,187**  
[13] A1

[51] **Int.Cl. E21B 34/06 (2006.01) E21B 33/12 (2006.01)**  
[25] EN  
[54] **SEALED DOWNHOLE EQUIPMENT AND METHOD FOR FABRICATING THE EQUIPMENT**  
[54] **EQUIPEMENT DE FOND DE TROU SCELLE ET PROCEDE DE FABRICATION DE L'EQUIPEMENT**  
[72] DOWNEY, LUKE CHRISTOPHER, US  
[72] JONES, PAUL JOSEPH, US  
[72] BUDLER, NICHOLAS FREDERICK, US  
[72] HELMS, LONNIE C., US  
[72] STAIR, TODD ANTHONY, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2017-02-14  
[86] 2014-10-23 (PCT/US2014/061957)  
[87] (WO2016/064400)

[21] **2,958,189**  
[13] A1

[51] **Int.Cl. E21B 10/42 (2006.01) E21B 10/43 (2006.01) E21B 10/62 (2006.01)**  
[25] EN  
[54] **SECURING MECHANISM FOR A DRILLING ELEMENT ON A DOWNHOLE DRILLING TOOL**  
[54] **MECANISME DE FIXATION POUR UN ELEMENT DE FORAGE SUR UN OUTIL DE FORAGE DE FOND DE TROU**  
[72] GROSZ, GREGORY CHRISTOPHER, US  
[72] HINZ, BRANDON JAMES, US  
[72] ANDERLE, SETH GARRETT, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2017-02-14  
[86] 2015-05-15 (PCT/US2015/031038)  
[87] (WO2016/057076)  
[30] US (62/060,401) 2014-10-06

[21] **2,958,192**  
[13] A1

[51] **Int.Cl. H02M 3/155 (2006.01) B64D 27/24 (2006.01)**  
[25] EN  
[54] **POWER-BALANCING CIRCUITS FOR STACKED TOPOLOGIES**  
[54] **CIRCUITS D'EQUILIBRAGE DE PUISSANCE DESTINES A DES TOPOLOGIES EMPILEES**  
[72] CASEY, LEO FRANCIS, US  
[72] GOESSLING, ANDREW DAVID, US  
[71] X DEVELOPMENT LLC, US  
[85] 2017-02-14  
[86] 2015-08-14 (PCT/US2015/045190)  
[87] (WO2016/025784)  
[30] US (62/037,591) 2014-08-14  
[30] US (14/586,242) 2014-12-30

[21] **2,958,193**  
[13] A1

[51] **Int.Cl. C07D 487/10 (2006.01) A61K 31/407 (2006.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01)**  
[25] EN  
[54] **SPIROPYRROLIDINES AS MDM2 INHIBITORS**  
[54] **SPIROPYRROLIDINES UTILES EN TANT QU'INHIBITEURS DE MDM2**  
[72] CHEN, YI, US  
[72] DING, QINGJIE (JACK), US  
[72] SUN, YANG-SHENG, US  
[71] HUDSON BIOPHARMA INC., US  
[85] 2017-02-14  
[86] 2015-06-26 (PCT/US2015/037974)  
[87] (WO2016/028391)  
[30] US (62/038,548) 2014-08-18

[21] **2,958,195**  
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 45/00 (2006.01) A61K 45/06 (2006.01) A61P 25/28 (2006.01)**  
[25] EN  
[54] **COMPOSITIONS FOR INHIBITING INFLAMMATION IN A SUBJECT WITH A SPINAL CORD INJURY AND METHODS OF USING THE SAME**  
[54] **COMPOSITIONS POUR INHIBER UNE INFLAMMATION CHEZ UN SUJET PRESENTANT UNE LESION DE LA MOELLE EPINIÈRE, ET PROCEDES D'UTILISATION DE CES COMPOSITIONS**  
[72] CRISCIONE, JASON M., US  
[72] REYNOLDS, FRANCIS M., US  
[72] DAI, HAINING, US  
[72] BADER, REBECCA A., US  
[71] PIXAR BIO CORPORATION, US  
[85] 2017-02-14  
[86] 2015-08-14 (PCT/US2015/045199)  
[87] (WO2016/025789)  
[30] US (62/037,628) 2014-08-15

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[13] A1

[51] **Int.Cl. A61N 1/05 (2006.01) A61N 1/36 (2006.01)**  
[25] EN  
[54] **EXTERNAL PULSE GENERATOR DEVICE AND ASSOCIATED METHODS FOR TRIAL NERVE STIMULATION**  
[54] **DISPOSITIF DE GENERATEUR D'IMPULSION EXTERNE ET PROCEDES ASSOCIES POUR UNE STIMULATION NERVEUSE D'ESSAI**  
[72] SCHROEDER, DENNIS, US  
[72] MATHUR, PRABODH, US  
[72] SAMA, RINDA, US  
[72] SCHMID, ERIC, US  
[72] KARTEN, STUART, US  
[71] AXONICS MODULATION TECHNOLOGIES, INC., US  
[85] 2017-02-14  
[86] 2015-08-14 (PCT/US2015/045400)  
[87] (WO2016/025909)  
[30] US (62/038,131) 2014-08-15  
[30] US (62/041,611) 2014-08-25

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[13] A1

[51] **Int.Cl. H01F 1/00 (2006.01) H01F 1/01 (2006.01) H01F 1/047 (2006.01)**  
[25] EN  
[54] **MULTICALORIC MNNISI ALLOYS**  
[54] **ALLIAGES MNNISI MULTICALORIQUES**  
[72] STADLER, SHANE, US  
[72] ALI, NAUSHAD, US  
[72] SAMANTA, TAPAS, US  
[71] BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE, US  
[71] BOARD OF TRUSTEES OF SOUTHERN ILLINOIS UNIVERSITY, US  
[85] 2017-02-14  
[86] 2015-07-17 (PCT/US2015/040821)  
[87] (WO2016/011303)  
[30] US (62/026,091) 2014-07-18  
[30] US (14/801,836) 2015-07-17

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[21] **2,958,201**  
[13] A1

[51] **Int.Cl. B32B 37/12 (2006.01) B32B 27/30 (2006.01) B32B 37/16 (2006.01)**  
[25] EN  
[54] **COMPOSITE THERMOPLASTIC LAMINATE**  
[54] **STRATIFIE COMPOSITE THERMOPLASTIQUE**  
[72] MARKOWSKI, ROBERT, US  
[72] WEINBERG, MARTIN, US  
[72] YUAN, JAMES, US  
[71] XAMAX INDUSTRIES, INC., US  
[85] 2017-02-14  
[86] 2015-08-14 (PCT/US2015/045398)  
[87] (WO2016/025907)  
[30] US (62/037,766) 2014-08-15

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[21] **2,958,202**  
[13] A1

[51] **Int.Cl. G02B 6/48 (2006.01) F16L 3/06 (2006.01)**  
[25] EN  
[54] **APPARATUS FOR SUPPORTING CABLE**  
[54] **APPAREIL POUR CONTENIR UN CABLE**  
[72] GILBREATH, KYLE BRADFORD, US  
[72] FORRESTER, JOSEPH, US  
[72] WILSON, JOSHUA CHARLES, US  
[71] HUBBELL INCORPORATED, US  
[85] 2017-02-14  
[86] 2015-08-17 (PCT/US2015/045455)  
[87] (WO2016/025937)  
[30] US (62/037,820) 2014-08-15

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[21] **2,958,204**  
[13] A1

[51] **Int.Cl. G01S 7/484 (2006.01) G01P 3/68 (2006.01) G01S 17/10 (2006.01) G02B 26/12 (2006.01)**  
[25] EN  
[54] **METHODS AND SYSTEMS FOR LADAR TRANSMISSION**  
[54] **PROCEDES ET SYSTEMES DE TRANSMISSION LADAR**  
[72] DUSSAN, LUIS CARLOS, US  
[71] AEYE, INC., US  
[85] 2017-02-14  
[86] 2015-08-14 (PCT/US2015/045399)  
[87] (WO2016/025908)  
[30] US (62/038,065) 2014-08-15

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[21] **2,958,205**  
[13] A1

[51] **Int.Cl. G06Q 40/00 (2012.01) G06Q 20/00 (2012.01)**  
[25] EN  
[54] **PAYROLL SYSTEM WITH FLEXIBLE DISBURSEMENT OPTIONS**  
[54] **SYSTEME DE PAIE AYANT DES OPTIONS DE DEBOURSEMENT SOUPLES**  
[72] PARENTO, STEPHEN A., US  
[72] HYNES, RONALD CARL, US  
[72] SAHGAL, SHEKHAR, US  
[71] MASTERCARD INTERNATIONAL INCORPORATED, US  
[85] 2017-02-14  
[86] 2015-07-24 (PCT/US2015/041994)  
[87] (WO2016/025143)  
[30] US (14/461,113) 2014-08-15

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[13] A1

[51] **Int.Cl. B23Q 17/00 (2006.01) B23D 61/02 (2006.01) B23D 81/00 (2006.01) G01D 5/12 (2006.01)**  
[25] EN  
[54] **DATA COLLECTION, TRANSFER AND FEEDBACK IN WORKING TOOLS**  
[54] **COLLECTE, TRANSFERT ET RETROACTION DE DONNEES DANS DES OUTILS DE FACONNAGE**  
[72] BARATTA, ANTHONY, US  
[71] BARON INVESTMENTS LLC, US  
[85] 2017-02-14  
[86] 2015-08-17 (PCT/US2015/045584)  
[87] (WO2016/025963)  
[30] US (62/037,617) 2014-08-15  
[30] US (62/112,178) 2015-02-05

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[13] A1

[51] **Int.Cl. A01N 43/653 (2006.01)**  
[25] EN  
[54] **MOLECULES HAVING CERTAIN PESTICIDAL UTILITIES, AND INTERMEDIATES, COMPOSITIONS, AND PROCESSES RELATED THERETO**  
[54] **MOLECULES PRESENTANT CERTAINES UTILITES PESTICIDES; ET INTERMEDIAIRES, COMPOSITIONS ET PROCEDES ASSOCIES**  
[72] BAUM, ERICH W., US  
[72] FISCHER, LINDSEY G., US  
[72] CROUSE, GARY D., US  
[72] SPARKS, THOMAS C., US  
[71] DOW AGROSCIENCES LLC, US  
[85] 2017-02-14  
[86] 2015-08-25 (PCT/US2015/046667)  
[87] (WO2016/033025)  
[30] US (62/041,685) 2014-08-26

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[13] A1

[51] **Int.Cl. A41F 17/00 (2006.01) A41F 3/00 (2006.01) A41F 5/00 (2006.01) A41F 9/02 (2006.01) A41F 17/02 (2006.01)**  
[25] EN  
[54] **ADJUSTABLE GARMENT SUPPORT SYSTEM AND KIT FOR THE SAME**  
[54] **SYSTEME DE SUPPORT DE VETEMENT REGLABLE ET KIT POUR CE DERNIER**  
[72] CIPTAK, VALERIE M., US  
[72] YU, KWOK WAH, CN  
[72] WEILER, ANDREW, GB  
[72] MOYA, JOSEPH, US  
[72] NGUYEN, TAN, US  
[72] JANOVSKI, ADAM, US  
[72] HERMAN, ASHLEY, US  
[72] ASCH, LESLIE, US  
[71] THOMPSON-WEILER ENTERPRISES LLC, US  
[85] 2017-02-14  
[86] 2015-07-31 (PCT/US2015/043098)  
[87] (WO2016/019234)  
[30] US (62/032,456) 2014-08-01  
[30] US (62/032,443) 2014-08-01

[21] **2,958,210**  
[13] A1

[51] **Int.Cl. A61N 1/372 (2006.01) A61N 1/05 (2006.01) A61N 1/36 (2006.01)**  
[25] EN  
[54] **INTEGRATED ELECTROMYOGRAPHIC CLINICIAN PROGRAMMER FOR USE WITH AN IMPLANTABLE NEUROSTIMULATOR**  
[54] **PROGRAMMATEUR CLINICIEN ELECTROMYOGRAPHIQUE INTEGRE DESTINE A ETRE UTILISE AVEC UN NEUROSTIMULATEUR IMPLANTABLE**  
[72] SCHROEDER, DENNIS, US  
[72] JIANG, GUANGQIANG, US  
[72] WOOCK, JOHN, US  
[72] SCHMID, ERIC, US  
[71] AXONICS MODULATION TECHNOLOGIES, INC., US  
[85] 2017-02-14  
[86] 2015-08-14 (PCT/US2015/045410)  
[87] (WO2016/025915)  
[30] US (62/038,131) 2014-08-15  
[30] US (62/041,611) 2014-08-25  
[30] US (62/101,899) 2015-01-09

[21] **2,958,211**  
[13] A1

[51] **Int.Cl. A61K 38/39 (2006.01)**  
[25] EN  
[54] **EXTRACELLULAR MATRIX COMPOSITIONS**  
[54] **COMPOSITIONS DE MATRICE EXTRACELLULAIRE**  
[72] BHATIA, MOHIT B., US  
[72] HERZBERG, URI, US  
[72] KAPLUNOVSKY, ALEKSANDR, US  
[72] ZAKA, RAIHANA, US  
[72] YE, QIAN, US  
[71] HLI CELLULAR THERAPEUTICS, LLC, US  
[85] 2017-02-14  
[86] 2015-08-25 (PCT/US2015/046690)  
[87] (WO2016/033041)  
[30] US (62/041,468) 2014-08-25

[21] **2,958,213**  
[13] A1

[51] **Int.Cl. A61F 2/18 (2006.01) A61M 25/04 (2006.01) A61M 37/00 (2006.01)**  
[25] EN  
[54] **NASAL IMPLANTS AND SYSTEMS AND METHOD OF USE**  
[54] **IMPLANTS NAsAUX, ET SYSTEMES ET PROCEDES D'UTILISATION**  
[72] ROSENTHAL, MICHAEL H., US  
[72] BARON, SCOTT J., US  
[72] GONZALES, DONALD A., US  
[72] SAIDI, IYAD S., US  
[71] SPIROX, INC., US  
[85] 2017-02-14  
[86] 2015-08-26 (PCT/US2015/046970)  
[87] (WO2016/033196)  
[30] US (62/042,209) 2014-08-26

[21] **2,958,215**  
[13] A1

[51] **Int.Cl. H04W 4/06 (2009.01)**  
[25] EN  
[54] **RELAY-MODE AND DIRECT-MODE OPERATIONS FOR PUSH-TO-TALK-OVER-CELLULAR (POC) USING WIFI TECHNOLOGIES**  
[54] **OPERATIONS EN MODE RELAIS ET EN MODE DIRECT POUR DES COMMUNICATIONS POC AU MOYEN DE TECHNOLOGIES WIFI**  
[72] PATEL, KRISHNAKANT M., US  
[72] VEMPATI, BRAHMANANDA R., US  
[72] NEGALAGULI, HARISHA M., US  
[71] KODIAK NETWORKS, INC., US  
[85] 2017-02-14  
[86] 2015-08-19 (PCT/US2015/045951)  
[87] (WO2016/028926)  
[30] US (62/039,272) 2014-08-19

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[13] A1

[51] **Int.Cl. G06F 21/44 (2013.01) G06F 21/30 (2013.01) G06F 21/32 (2013.01) G06F 21/53 (2013.01) G06F 21/71 (2013.01) G06F 21/74 (2013.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR SECURE AND RELIABLE IDENTITY-BASED COMPUTING**

[54] **PROCEDES ET SYSTEMES DE TRAITEMENT INFORMATIQUE SECURISE ET FIABLE BASE SUR L'IDENTITE**

[72] SHEAR, VICTOR HENRY, US

[72] WILLIAMS, PETER ROBERT, US

[72] RHO, JAISOOK, US

[72] REDMOND, TIMOTHY ST. JOHN, US

[71] **ADVANCED ELEMENTAL TECHNOLOGIES, INC., US**

[85] 2017-02-14

[86] 2015-09-09 (PCT/US2015/049222)

[87] (WO2016/040506)

[30] US (14/485,707) 2014-09-13

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[13] A1

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

[25] EN

[54] **SYSTEMS AND METHODS FOR SPINAL CORD STIMULATION**

[54] **SYSTEMES ET PROCEDES DE STIMULATION DE LA MOELLE EPINIERE**

[72] GRILL, WARREN M., US

[72] ZHANG, TIANHE, US

[71] **DUKE UNIVERSITY, US**

[85] 2017-02-14

[86] 2015-09-25 (PCT/US2015/052487)

[87] (WO2016/069157)

[30] US (62/055,798) 2014-09-26

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[21] **2,958,219**  
[13] A1

[51] **Int.Cl. A61K 39/39 (2006.01) A61K 39/00 (2006.01) A61K 39/008 (2006.01) A61K 39/145 (2006.01) A61P 33/02 (2006.01)**

[25] EN

[54] **SYNERGISTIC COMPOSITIONS OF IMMUNOSTIMULATING RECONSTITUTED INFLUENZA VIROSOMES WITH IMMUNOPOTENTIATORS AND VACCINES CONTAINING THEM**

[54] **COMPOSITIONS SYNERGIQUES DE VIROSOMES DE LA GRIPPE RECONSTITUES IMMUNOSTIMULANTS AVEC DES IMMUNOPOTENTIALISATEURS, ET VACCINS LES CONTENANT**

[72] GUPTA, GAURAV, IN

[72] FICHERA, EPIFANIO, IN

[72] GLUECK, REINHARD, IN

[71] **CADILA HEALTHCARE LIMITED, IN**

[85] 2017-02-15

[86] 2015-09-01 (PCT/IN2015/000340)

[87] (WO2016/035096)

[30] IN (2794/MUM/2014) 2014-09-02

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[21] **2,958,222**  
[13] A1

[51] **Int.Cl. C07K 14/025 (2006.01) A61K 39/00 (2006.01) A61K 39/12 (2006.01) C07K 14/005 (2006.01)**

[25] EN

[54] **SUPERIOR HUMAN PAPILLOMA VIRUS ANTIGENS WITH SUPERIOR IMMUNOLOGICAL PROPERTIES AND VACCINE CONTAINING IT**

[54] **ANTIGENES SUPERIEURS DU PAPILOMAVIRUS PRESENTANT DES PROPRIETES IMMUNOLOGIQUES SUPERIEURES ET VACCIN LES CONTENANT**

[72] GUPTA, GAURAV, IN

[72] GIANNINO, VIVIANA, IN

[72] GLUECK, REINHARD, IN

[71] **CADILA HEALTHCARE LIMITED, IN**

[85] 2017-02-15

[86] 2015-09-11 (PCT/IN2015/000355)

[87] (WO2016/038625)

[30] IN (2905/MUM/2014) 2014-09-11

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[13] A1

[51] **Int.Cl. B01J 32/00 (2006.01) B01J 21/12 (2006.01) B01J 27/135 (2006.01) B01J 35/00 (2006.01) B01J 37/02 (2006.01) B01J 37/04 (2006.01) B01J 37/08 (2006.01) B01J 37/26 (2006.01) C08F 4/00 (2006.01) C08F 10/00 (2006.01)**

[25] EN

[54] **FLUORINATED CATALYST SUPPORTS AND CATALYST SYSTEMS**

[54] **SUPPORTS DE CATALYSEURS FLUORES ET SYSTEMES DE CATALYSEURS**

[72] MOORHOUSE, JOHN H., US

[72] CANN, KEVIN J., US

[72] CAO, PHUONG A., US

[72] GOODE, MARK G., US

[72] HARLAN, C. JEFF, US

[72] MARIOTT, WESLEY R., US

[71] **UNIVATION TECHNOLOGIES, LLC, US**

[85] 2017-02-15

[86] 2014-08-19 (PCT/US2014/051698)

[87] (WO2016/028278)

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[21] **2,958,226**  
[13] A1

[51] **Int.Cl. B60T 17/22 (2006.01) B61H 13/34 (2006.01)**

[25] EN

[54] **BRAKE MAINTENANCE INDICATOR**

[54] **INDICATEUR D'ENTRETIEN DE FREINS**

[72] WRIGHT, ERIC C., US

[72] CONNELL, JASON, US

[71] **NEW YORK AIR BRAKE LLC, US**

[85] 2017-02-15

[86] 2014-08-20 (PCT/US2014/051802)

[87] (WO2016/028285)

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[13] A1

[51] **Int.Cl. E21B 47/01 (2012.01) E21B 47/06 (2012.01) G01V 1/40 (2006.01)**  
[25] EN  
[54] **ELECTRONIC SENSOR APPARATUS, METHODS, AND SYSTEMS**  
[54] **APPAREIL DE CAPTEUR ELECTRONIQUE, PROCEDES ET SYSTEMES**  
[72] JAASKELAINEN, MIKKO, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2017-02-15  
[86] 2014-09-19 (PCT/US2014/056543)  
[87] (WO2016/043772)

[21] **2,958,235**  
[13] A1

[51] **Int.Cl. G06F 15/16 (2006.01)**  
[25] EN  
[54] **METHODS FOR SYNCHRONIZING WEB SESSIONS AND DEVICES THEREOF**  
[54] **PROCEDES DE SYNCHRONISATION DE SESSIONS WEB ET DISPOSITIFS ASSOCIES**  
[72] SCODA, ENRICO, IT  
[71] USABLENET INC., US  
[85] 2017-02-15  
[86] 2015-06-19 (PCT/US2015/036717)  
[87] (WO2016/032602)  
[30] US (14/467,210) 2014-08-25

[21] **2,958,240**  
[13] A1

[51] **Int.Cl. B32B 3/00 (2006.01)**  
[25] EN  
[54] **VOIDED LATEX PARTICLES PARTICULES DE LATEX VIDEES**  
[72] LIU, LILY, US  
[72] DEVONPORT, WAYNE, US  
[72] STARK, DANIEL E., US  
[72] BOUDREAUX, MATTHEW F., US  
[71] ARKEMA INC., US  
[85] 2017-02-15  
[86] 2015-08-07 (PCT/US2015/044119)  
[87] (WO2016/028511)  
[30] US (62/040,557) 2014-08-22

[21] **2,958,232**  
[13] A1

[51] **Int.Cl. E21B 33/13 (2006.01) E21B 33/127 (2006.01)**  
[25] EN  
[54] **SWELLGUARD ER ISOLATION TOOL**  
[54] **OUTIL D'ISOLATION "SWELLGUARD ER"**  
[72] RASHID, EVAN TANVEER, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2017-02-15  
[86] 2014-09-19 (PCT/US2014/056548)  
[87] (WO2016/043773)

[21] **2,958,237**  
[13] A1

[51] **Int.Cl. B21D 17/04 (2006.01)**  
[25] EN  
[54] **ROLLER WITH COMPOUND ANGLE FLANGE**  
[54] **ROULEAU DOTE D'UN REBORD A ANGLE COMPOSE**  
[72] DIPIERDOMENICO, LOUIS A., US  
[72] OLESINSKA, PAULINA A., US  
[72] DOLE, DOUGLAS R., US  
[71] VICTAULIC COMPANY, US  
[85] 2017-02-15  
[86] 2015-08-05 (PCT/US2015/043740)  
[87] (WO2016/032707)  
[30] US (62/043,956) 2014-08-29

[21] **2,958,241**  
[13] A1

[51] **Int.Cl. B32B 5/16 (2006.01)**  
[25] EN  
[54] **VOIDED LATEX PARTICLES PARTICULES DE LATEX AYANT DES VIDES**  
[72] LIU, LILY, US  
[72] DEVONPORT, WAYNE, US  
[72] STARK, DANIEL E., US  
[72] BOUDREAUX, MATTHEW F., US  
[71] ARKEMA INC., US  
[85] 2017-02-15  
[86] 2015-08-07 (PCT/US2015/044120)  
[87] (WO2016/028512)  
[30] US (62/040,569) 2014-08-22

[21] **2,958,233**  
[13] A1

[51] **Int.Cl. A61J 1/03 (2006.01)**  
[25] EN  
[54] **MEDICATION PACKAGING AND DOSE REGIMEN SYSTEM**  
[54] **EMBALLAGE DE MEDICAMENT ET SYSTEME DE REGIME POSOLOGIQUE**  
[72] TERHUNE, JOANNA, US  
[72] WARDEN, JEFFREY, US  
[72] HOLLAND, CHAD, US  
[71] MYLAN INC., US  
[85] 2017-02-15  
[86] 2015-08-18 (PCT/US2015/045644)  
[87] (WO2016/028747)  
[30] US (62/039,144) 2014-08-19  
[30] US (62/039,152) 2014-08-19  
[30] US (62/039,201) 2014-08-19

[21] **2,958,239**  
[13] A1

[51] **Int.Cl. A61K 31/499 (2006.01) A61K 9/10 (2006.01) A61P 27/02 (2006.01) A61P 27/06 (2006.01)**  
[25] EN  
[54] **OPHTHALMIC SUSPENSION FORMULATION**  
[54] **FORMULE DE SUSPENSION OPHTHALMIQUE**  
[72] OCHIAI, YASUSHI, JP  
[72] KATO, YUKA, JP  
[72] SASAKI, MAKI, JP  
[72] MATSUMOTO, TAKAFUMI, JP  
[71] SUMITOMO DAINIPPON PHARMA CO., LTD., JP  
[85] 2017-02-15  
[86] 2015-09-10 (PCT/JP2015/075745)  
[87] (WO2016/039422)  
[30] JP (2014-185731) 2014-09-11

[21] **2,958,244**  
[13] A1

[51] **Int.Cl. B21D 17/04 (2006.01) B21D 22/16 (2006.01)**  
[25] EN  
[54] **ROLLER FOR ROLL FORMING ROULEAU DE PROFILAGE**  
[72] OLESINSKA, PAULINA A., US  
[72] REILLY, WILLIAM C., US  
[71] VICTAULIC COMPANY, US  
[85] 2017-02-15  
[86] 2015-08-07 (PCT/US2015/044129)  
[87] (WO2016/032722)  
[30] US (62/043,591) 2014-08-29  
[30] US (14/813,215) 2015-07-30

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[13] A1

[51] **Int.Cl. C07D 233/64 (2006.01) A61P 9/00 (2006.01) A61K 31/417 (2006.01) C07B 53/00 (2006.01) C07B 61/00 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING OPTICALLY ACTIVE VALERIC ACID DERIVATIVE**

[54] **PROCEDE DE PRODUCTION D'UN DERIVE D'ACIDE VALERIQUE OPTIQUEMENT ACTIF**

[72] HAYASHI, MASAKI, JP  
[72] UKAI, KAZUTOSHI, JP  
[71] DAIICHI SANKYO COMPANY, LIMITED, JP  
[85] 2017-02-15  
[86] 2015-09-17 (PCT/JP2015/076389)  
[87] (WO2016/043253)  
[30] JP (2014-189571) 2014-09-18

[21] **2,958,247**  
[13] A1

[51] **Int.Cl. H04W 4/02 (2009.01) H04W 84/00 (2009.01) G01S 19/01 (2010.01) G08B 21/02 (2006.01)**

[25] EN

[54] **A COMPUTERISED TRACKING AND PROXIMITY WARNING METHOD AND SYSTEM FOR PERSONNEL, PLANT AND EQUIPMENT OPERATING BOTH ABOVE AND BELOW THE GROUND OR THEIR MOVEMENT THEREBETWEEN**

[54] **PROCEDE ET SYSTEME INFORMATISES DE SUIVI ET D'AVERTISSEMENT DE PROXIMITE DESTINES AUX PERSONNELS, INSTALLATIONS ET EQUIPEMENTS INTERVENANT AU SOL ET EN SOUS-SOL OU SE DEPLACANT ENTRE CES DEUX NIVEAUX**

[72] JONES, JEANETTE, AU  
[71] EMB SAFETY HELMET PTY LTD, AU  
[85] 2017-02-15  
[86] 2014-09-10 (PCT/AU2014/000881)  
[87] (WO2016/029238)  
[30] AU (2014903373) 2014-08-26

[21] **2,958,249**  
[13] A1

[51] **Int.Cl. A01J 5/00 (2006.01) A01J 7/00 (2006.01) A01J 7/02 (2006.01) A01K 1/12 (2006.01)**

[25] EN

[54] **AUTOMATIC ANIMAL PROCESSING DEVICE**

[54] **DISPOSITIF DE TRAITEMENT AUTOMATIQUE D'ANIMAUX**

[72] ROUSSEAU, VICTOR, CA  
[72] JETTE, MARC-ANDRE, CA  
[72] LECLAIR, FRANCIS, CA  
[71] MILKOMAX, SOLUTIONS LAITIERES INC., CA  
[85] 2017-02-16  
[86] 2015-07-10 (PCT/CA2015/050645)  
[87] (WO2016/026034)  
[30] US (62/038,749) 2014-08-18  
[30] CA (PCT/CA2014/050951) 2014-10-03

[21] **2,958,250**  
[13] A1

[51] **Int.Cl. G05B 99/00 (2006.01) B82Y 15/00 (2011.01)**

[25] EN

[54] **GENERATING A CONTROL SEQUENCE FOR QUANTUM CONTROL**

[54] **GENERATION D'UNE SEQUENCE DE COMMANDE POUR COMMANDE QUANTIQUE**

[72] HINCKS, IAN N., CA  
[72] GRANADE, CHRIS E., AU  
[72] BORNEMAN, TROY W., CA  
[72] CORY, DAVID G., CA  
[71] QUANTUM VALLEY INVESTMENT FUND LP, CA  
[85] 2017-02-15  
[86] 2015-09-23 (PCT/CA2015/000500)  
[87] (WO2016/044917)  
[30] US (62/054,630) 2014-09-24

[21] **2,958,251**  
[13] A1

[51] **Int.Cl. G01L 13/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR AUTOMATICALLY CONVERTING TEXTUAL MESSAGES TO MUSICAL COMPOSITIONS**

[54] **SYSTEME ET PROCEDE POUR CONVERTIR AUTOMATIQUEMENT DES MESSAGES TEXTUELS EN COMPOSITIONS MUSICALES**

[72] SERLETIC, MATTHEW MICHAEL, US  
[72] BAZYLEVSKY, BO, US  
[72] MITCHELL, JAMES, US  
[72] KOVAC, RICKY, US  
[72] WOODWARD, PATRICK, US  
[72] WEBB, THOMAS, US  
[72] GROVES, RYAN, US  
[71] ZYA, INC., US  
[85] 2017-02-15  
[86] 2015-08-24 (PCT/US2015/046584)  
[87] (WO2016/029217)  
[30] US (62/040,842) 2014-08-22  
[30] US (62/121,803) 2015-02-27

[21] **2,958,254**  
[13] A1

[51] **Int.Cl. H04N 19/139 (2014.01) H04N 19/513 (2014.01) H04N 19/61 (2014.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR DETERMINING MOTION VECTORS IN A MOTION ESTIMATION PROCESS OF A VIDEO ENCODER**

[54] **PROCEDES ET SYSTEMES PERMETTANT DE DETERMINER DES VECTEURS MOUVEMENTS AU COURS D'UN PROCESSUS D'ESTIMATION DE MOUVEMENT MIS EN ŒUVRE PAR UN CODEUR VIDEO**

[72] TRUDEAU, LUC, CA  
[72] COULOMBE, STEPHANE, CA  
[72] DESROSIERS, CHRISTIAN, CA  
[71] ECOLE DE TECHNOLOGIE SUPERIEURE, CA  
[85] 2017-02-15  
[86] 2016-01-28 (PCT/CA2016/000024)  
[87] (WO2016/119046)  
[30] US (62/109,123) 2015-01-29

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[21] **2,958,255**  
[13] A1

[51] **Int.Cl. H04N 19/40 (2014.01) H04N 19/122 (2014.01) H04N 19/139 (2014.01) H04N 19/17 (2014.01) H04N 19/65 (2014.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR VIDEO INTERMODAL TRANSCODING**

[54] **PROCEDE ET APPAREIL DE TRANSCODAGE INTERMODAL DE VIDEO**

[72] COULOMBE, STEPHANE, CA  
[72] FRANCHE, JEAN-FRANCOIS, CA  
[71] ECOLE DE TECHNOLOGIE SUPERIEURE, CA  
[85] 2017-02-15  
[86] 2016-01-29 (PCT/CA2016/000027)  
[87] (WO2016/119048)  
[30] US (62/109,120) 2015-01-29

[21] **2,958,258**  
[13] A1

[51] **Int.Cl. A61K 31/4164 (2006.01) A61K 31/505 (2006.01) A61P 17/00 (2006.01)**

[25] EN

[54] **SOLUTE AND SOLUTE MIXTURE, AND A COMPOSITION CONTAINING AT LEAST ONE SOLUTE, FOR USE IN THE PREVENTION OR TREATMENT OF COSMETIC OR PATHOLOGICAL EFFLORESCENCES CAUSED BY PARTICULATE MATTER**

[54] **SOLUTE ET MELANGE DE SOLUTES ET UNE COMPOSITION CONTENANT AU MOINS UN SOLUTE POUR UNE UTILISATION DANS LA PREVENTION OU LE TRAITEMENT D'EFFLORESCENCES COSMETIQUES OU PATHOLOGIQUES CAUSES PAR DES POUSSIERES EN SUSPENSION**

[72] BILSTEIN, ANDREAS, DE  
[72] KRUTMANN, JEAN, DE  
[71] BITOP AG, DE  
[85] 2017-02-16  
[86] 2014-09-24 (PCT/EP2014/070298)  
[87] (WO2016/045714)  
[30] DE (10 2014 113 781.7) 2014-09-23

[21] **2,958,260**  
[13] A1

[51] **Int.Cl. F24J 2/54 (2006.01) H01L 31/042 (2014.01)**

[25] EN

[54] **SUN TRACKING DEVICE FOR SOLAR MODULES WITH ELASTIC OR RESILIENT PSEUDO-HINGES**

[54] **DISPOSITIF DE SUIVI SOLAIRE POUR MODULES SOLAIRE MUNIS DE PSEUDO-ARTICULATIONS ELASTIQUES OU A RESSORT**

[72] ALAVI, FIROUZ, DE  
[71] OPHTHALMOSYSTEM GMBH, DE  
[85] 2017-02-15  
[86] 2014-08-15 (PCT/EP2014/067509)  
[87] (WO2016/023595)

[21] **2,958,261**  
[13] A1

[51] **Int.Cl. A21C 9/06 (2006.01) G01F 11/04 (2006.01)**

[25] EN

[54] **A DEPOSITING APPARATUS**

[54] **APPAREIL DE DEPOT**

[72] LINDSAY, THOMAS WILLIAM, AU  
[71] LINDSAY, THOMAS WILLIAM, AU  
[85] 2017-02-16  
[86] 2015-08-20 (PCT/AU2015/050478)  
[87] (WO2016/026004)  
[30] AU (2014903279) 2014-08-21  
[30] AU (2015902402) 2015-06-22

[21] **2,958,269**  
[13] A1

[51] **Int.Cl. H04W 4/22 (2009.01) H04W 4/12 (2009.01) H04W 12/02 (2009.01) B64C 39/02 (2006.01) H04B 7/00 (2006.01)**

[25] EN

[54] **SECURE SYSTEM FOR EMERGENCY-MODE OPERATION, SYSTEM MONITORING AND TRUSTED ACCESS VEHICLE LOCATION AND RECOVERY**

[54] **SYSTEME SECURISE POUR FONCTIONNEMENT EN MODE D'URGENCE, SURVEILLANCE DE SYSTEME ET LOCALISATION ET RECUPERATION DE VEHICULE A ACCES DE CONFIANCE**

[72] HUBER, SCOTT, CA  
[72] MCCALLUM, NEVIN, CA  
[72] MCCABE, SEAN, CA  
[72] MCDONALD, IAN, CA  
[72] NAGY, THOMAS CHARLES, CA  
[71] AERYON LABS INC., CA  
[85] 2017-02-16  
[86] 2015-08-19 (PCT/CA2015/000469)  
[87] (WO2016/026023)  
[30] US (62/039,168) 2014-08-19

[21] **2,958,273**  
[13] A1

[51] **Int.Cl. A61L 15/42 (2006.01) A61K 8/81 (2006.01) A61K 41/00 (2006.01) A61L 15/24 (2006.01) A61N 5/06 (2006.01) A61P 17/00 (2006.01) A61P 17/02 (2006.01) A61Q 19/08 (2006.01)**

[25] EN

[54] **EMISSIVE POLYMERIC MATRICES**

[54] **MATRICES POLYMERES EMISSIVES**

[72] PIERGALLINI, REMIGIO, IT  
[72] LOUPIS, NIKOLAOS, GR  
[72] LIVIU, DRAGOMIR, CA  
[71] KLOX TECHNOLOGIES INC., CA  
[85] 2017-02-16  
[86] 2015-09-15 (PCT/CA2015/050890)  
[87] (WO2016/041067)  
[30] US (62/050,685) 2014-09-15

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[21] **2,958,274**  
[13] A1

[51] **Int.Cl. C08G 61/12 (2006.01) H01M 4/60 (2006.01)**  
[25] EN  
[54] **POLYTHIOPHENE DERIVATIVE, SECONDARY CELL CATHODE ACTIVE MATERIAL, AND SECONDARY CELL**  
[54] **DERIVE DE POLYTHIOPHENE, MATERIAU ACTIF DE CATHODE D'ACCUMULATEUR ET ACCUMULATEUR**  
[72] NOMURA, MASAYOSHI, JP  
[71] RICOH COMPANY, LTD., JP  
[85] 2017-02-16  
[86] 2015-08-07 (PCT/JP2015/072522)  
[87] (WO2016/027704)  
[30] JP (2014-167007) 2014-08-19

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[21] **2,958,277**  
[13] A1

[51] **Int.Cl. B02C 19/08 (2006.01) A61J 3/02 (2006.01) A61J 7/00 (2006.01)**  
[25] EN  
[54] **MEDICATION COMMINATION AND DELIVERY CUP**  
[54] **COUPELLE DE BROYAGE ET D'ADMINISTRATION DE MEDICAMENTS**  
[72] DOMINY, FREDRICK MAROON, US  
[72] ENNS, VALERIE JILL, CA  
[72] ENNS, JOHN, CA  
[72] FADER, TIMA, CA  
[72] FADER, AARON EDWARD, CA  
[72] REYNOLDS, TRENT GEORGE, CA  
[71] SERRANO MEDICAL SOLUTIONS INC., CA  
[85] 2017-02-16  
[86] 2015-09-17 (PCT/CA2015/050911)  
[87] (WO2016/041083)  
[30] US (14/490,604) 2014-09-18

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[21] **2,958,278**  
[13] A1

[51] **Int.Cl. F04D 33/00 (2006.01) H05K 7/20 (2006.01)**  
[25] EN  
[54] **AIRFLOW GENERATOR AND ARRAY OF AIRFLOW GENERATORS**  
[54] **GENERATEUR D'ECOULEMENT D'AIR ET RESEAU DE GENERATEURS D'ECOULEMENT D'AIR**  
[72] DUSSEAU, MICHAEL JAMES, US  
[72] HOLEN, STEPHEN NILS, US  
[71] GE AVIATION SYSTEMS LLC, US  
[85] 2017-02-16  
[86] 2014-08-25 (PCT/US2014/052547)  
[87] (WO2016/032429)

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[21] **2,958,283**  
[13] A1

[51] **Int.Cl. C07C 231/14 (2006.01)**  
[25] EN  
[54] **IMPROVED PROCESS FOR THE PREPARATION OF LACOSAMIDE AND ITS NOVEL INTERMEDIATE**  
[54] **PROCEDE AMELIORE DE PREPARATION DE LACOSAMIDE ET DE SON NOUVEL INTERMEDIAIRE**  
[72] RAVI, PONNAIAH, IN  
[72] RAJPUT, VISHAL, IN  
[72] DHANUNJAYA, MAILAPALLI, IN  
[72] ANILKUMAR, BONDADA, IN  
[71] RAO, DAVULURI RAMAMOHAN, IN  
[85] 2017-02-16  
[86] 2015-02-25 (PCT/IN2015/050011)  
[87] (WO2016/030911)  
[30] IN (4228/CHE/2014) 2014-08-28

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[21] **2,958,290**  
[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01)**  
[25] EN  
[54] **METHODS AND COMPOSITIONS RELATING TO CANCER THERAPY WITH DNA DAMAGING AGENTS**  
[54] **PROCEDES ET COMPOSITIONS CONCERNANT UNE THERAPIE ANTICANCEREUSE AU MOYEN D'AGENTS ENDOMMAGEANT L'ADN**  
[72] PITRODA, SEAN P., US  
[72] WEICHSELBAUM, RALPH R., US  
[72] CONNELL, PHILIP P., US  
[71] THE UNIVERSITY OF CHICAGO, US  
[85] 2017-02-16  
[86] 2014-09-23 (PCT/US2014/056942)  
[87] (WO2015/042570)  
[30] US (61/881,331) 2013-09-23

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[21] **2,958,291**  
[13] A1

[51] **Int.Cl. C08L 31/04 (2006.01) C08L 33/08 (2006.01) C08L 33/10 (2006.01)**  
[25] EN  
[54] **SAG RESISTANT VAPOR PERMEABLE BARRIER COATING APPLICABLE AT LOW TEMPERATURE**  
[54] **REVETEMENT BARRIERE PERMEABLE A LA VAPEUR RESISTANT A L'AFFAISSEMENT, APPLICABLE A BASSE TEMPERATURE**  
[72] WIERCINSKI, ROBERT A., US  
[71] GCP APPLIED TECHNOLOGIES INC., US  
[85] 2017-02-16  
[86] 2015-08-12 (PCT/US2015/044759)  
[87] (WO2016/028556)  
[30] US (62/038,442) 2014-08-18



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[21] **2,958,296**  
[13] A1

[51] **Int.Cl. E21B 29/12 (2006.01) E21B 29/08 (2006.01) E21B 33/064 (2006.01) E21B 33/076 (2006.01)**

[25] EN

[54] **DRIVE OFF METHOD FROM SUBSEA WELL WITH PIPE RETENTION CAPABILITY**

[54] **PROCEDE DE SORTIE HORS D'UN PUITTS SOUS-MARIN AVEC MOYEN DE RETENUE DE TIGE**

[72] DHUET, HERBERT P., US

[72] BAYNE, CHRISTIAN F., US

[72] LAUDERDALE, DONALD P., US

[71] BAKER HUGHES INCORPORATED, US

[85] 2017-02-16

[86] 2015-08-17 (PCT/US2015/045537)

[87] (WO2016/028694)

[30] US (14/466,519) 2014-08-22

[21] **2,958,297**  
[13] A1

[51] **Int.Cl. H02G 3/04 (2006.01)**

[25] EN

[54] **WATERFALL-TYPE CABLE ROUTER**

[54] **ROUTEUR DE CABLES EN CASCADE**

[72] KELLERMAN, DALLAS, US

[71] CABLOFIL, INC., US

[85] 2017-02-16

[86] 2015-06-29 (PCT/US2015/038327)

[87] (WO2015/200910)

[30] US (62/017,904) 2014-06-27

[30] US (62/031,473) 2014-07-31

[21] **2,958,299**  
[13] A1

[51] **Int.Cl. G09B 9/00 (2006.01) G09B 1/00 (2006.01) G09B 5/00 (2006.01) G09B 19/00 (2006.01)**

[25] EN

[54] **BRAIN STIMULATION SYSTEM AND USES THEREOF**

[54] **SYSTEME DE STIMULATION CEREBRALE ET SES UTILISATIONS**

[72] WEISS, SHMUEL, IL

[72] KREUTZER, HARALD, DE

[72] HERBET-GRINFELD, ANAT, IL

[71] WIZE-I LTD, IL

[85] 2017-02-16

[86] 2015-09-10 (PCT/IL2015/050928)

[87] (WO2016/042550)

[30] US (62/050,230) 2014-09-15

[21] **2,958,305**  
[13] A1

[51] **Int.Cl. C11D 1/37 (2006.01) C11D 1/14 (2006.01)**

[25] EN

[54] **DETERGENT COMPOSITIONS CONTAINING A BRANCHED SURFACTANT**

[54] **COMPOSITIONS DETERGENTES CONTENANT UN TENSIOACTIF RAMIFIE**

[72] VINSON, PHILLIP KYLE, US

[72] STENGER, PATRICK CHRISTOPHER, US

[72] REILMAN, RANDALL THOMAS, US

[72] SCHEIBEL, JEFFREY JOHN, US

[72] DEPA, PRAVEEN KUMAR, US

[72] URBIN, STEPHANIE ANN, US

[72] STEFFEY, MELINDA PHYLLIS, US

[72] SCHRODER, CLEMENS, DE

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2017-02-16

[86] 2015-09-08 (PCT/US2015/048827)

[87] (WO2016/040248)

[30] US (62/047,255) 2014-09-08

[21] **2,958,309**  
[13] A1

[51] **Int.Cl. H04M 3/26 (2006.01) G10L 13/00 (2006.01) H04M 3/53 (2006.01)**

[25] EN

[54] **CALL RECORDING TEST SUITE**

[54] **SUITE DE TESTS D'ENREGISTREMENT D'APPEL**

[72] KULKARNI, ALOK, AU

[72] TRAN, LUAN, AU

[71] CYARA SOLUTIONS CORP, US

[85] 2017-02-16

[86] 2015-09-09 (PCT/US2015/049246)

[87] (WO2016/040522)

[30] US (62/048,108) 2014-09-09

[30] US (14/848,849) 2015-09-09

[21] **2,958,312**  
[13] A1

[51] **Int.Cl. B21F 35/04 (2006.01)**

[25] EN

[54] **SINUOUS SPRING FOR A FURNITURE ITEM**

[54] **RESSORT SINUEUX POUR UN ARTICLE DE MOBILIER**

[72] KNEWTSON, KELLY M., US

[72] YORK, WILLIAM B., III, US

[72] MCCUNE, DAVID WILLIAM, US

[71] L & P PROPERTY MANAGEMENT COMPANY, US

[85] 2017-02-16

[86] 2015-08-18 (PCT/US2015/045700)

[87] (WO2016/032801)

[30] US (14/470,542) 2014-08-27

[21] **2,958,314**  
[13] A1

[51] **Int.Cl. F16L 59/02 (2006.01)**

[25] EN

[54] **DUCT LINER**

[54] **REVETEMENT DE CONDUIT**

[72] PARKS, JERRY MICHAEL, US

[72] CHACKO, JACOB T., US

[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US

[85] 2017-02-16

[86] 2015-08-28 (PCT/US2015/047347)

[87] (WO2016/033410)

[30] US (62/043,587) 2014-08-29

[21] **2,958,316**  
[13] A1

[51] **Int.Cl. A61K 31/19 (2006.01) A61K 31/58 (2006.01) A61P 13/08 (2006.01) C07J 43/00 (2006.01)**

[25] EN

[54] **ABIRATERONE ACETATE FORMULATION AND METHODS OF USE**

[54] **FORMULATION D'ACETATE D'ABIRATERONE ET SES PROCEDES D'UTILISATION**

[72] MURPHY, MAURA, US

[72] NEMETH, PAUL, US

[72] BOSCH, H. WILLIAM, US

[72] CALLAHAN, MATTHEW, US

[72] BHAMIDIPATI, SATYA, US

[72] COLEMAN, JASON, US

[72] HILL, CHRISTOPHER, US

[72] NORRET, MARCK, AU

[71] ICEUTICA INC., US

[85] 2017-02-16

[86] 2015-09-18 (PCT/US2015/050889)

[87] (WO2016/044701)

[30] US (62/052,294) 2014-09-18

[30] US (14/707,922) 2015-05-08

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[21] **2,958,317**  
[13] A1

[51] **Int.Cl. B65B 9/10 (2006.01)**  
[25] EN  
[54] **SYSTEM AND APPARATUS FOR WASTE DISPOSAL AND CHANGING INFANT-TODDLER BEHAVIOR**  
[54] **SYSTEME ET APPAREIL POUR JETER DES DECHETS ET CHANGER LE COMPORTEMENT D'UN BEBE-BAMBIN**  
[72] MCCONNELL, THOMAS E., US  
[72] LU, YAFEI, US  
[71] MCCONNELL, THOMAS E., US  
[85] 2017-02-16  
[86] 2015-08-28 (PCT/US2015/047450)  
[87] (WO2016/033473)  
[30] US (14/473,776) 2014-08-29  
[30] US (14/473,685) 2014-08-29  
[30] US (14/838,247) 2015-08-27  
[30] US (14/838,267) 2015-08-27

[21] **2,958,320**  
[13] A1

[51] **Int.Cl. E21B 23/04 (2006.01)**  
[25] EN  
[54] **PRESSURE ACTUATED DOWNHOLE TOOL**  
[54] **OUTIL DE FOND DE Puits A ACTIONNEMENT HYDRAULIQUE**  
[72] KENNEDY, BRIAN, US  
[71] SHALE OIL TOOLS, LLC, US  
[85] 2017-02-16  
[86] 2015-09-21 (PCT/US2015/051223)  
[87] (WO2016/048896)  
[30] US (14/496,408) 2014-09-25

[21] **2,958,322**  
[13] A1

[51] **Int.Cl. G06F 19/00 (2011.01) G06Q 50/22 (2012.01)**  
[25] EN  
[54] **CAPTURING AND MANAGING HEALTHCARE INFORMATION**  
[54] **CAPTURE ET DE GESTION D'INFORMATIONS DE SOINS DE SANTE**  
[72] BAUDET, REMY, US  
[72] WESCOTT, ANDREW, US  
[71] QUALCOMM LIFE, INC., US  
[85] 2017-02-16  
[86] 2015-09-14 (PCT/US2015/049899)  
[87] (WO2016/044125)  
[30] US (62/050,398) 2014-09-15

[21] **2,958,326**  
[13] A1

[51] **Int.Cl. H04M 3/26 (2006.01) H04M 7/06 (2006.01)**  
[25] EN  
[54] **INTERACTIVE VOICE RESPONSE SYSTEM CRAWLER**  
[54] **ROBOT D'INDEXATION DE SYSTEME DE REPONSE VOCALE INTERACTIVE**  
[72] KULKARNI, ALOK, AU  
[72] WILLSHIRE, GEOFF, AU  
[71] CYARA SOLUTIONS CORP., US  
[85] 2017-02-16  
[86] 2016-01-05 (PCT/US2016/012245)  
[87] (WO2016/112053)  
[30] US (14/590,972) 2015-01-06

[21] **2,958,327**  
[13] A1

[51] **Int.Cl. G06Q 50/14 (2012.01) G06Q 10/02 (2012.01) G06Q 20/06 (2012.01) G06Q 30/02 (2012.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR UTILIZING VIRTUAL AND REAL CURRENCIES FOR PROCESSING TRANSACTIONS**  
[54] **SYSTEME ET PROCEDE DESTINES A UTILISER DES MONNAIES VIRTUELLES ET REELLES POUR LE TRAITEMENT DE TRANSACTIONS**  
[72] ROWLEY, JOHN ROGER, US  
[72] ROWLEY, MARCIA GENE, US  
[71] INTERNATIONAL CRUISE & EXCURSION GALLERY, INC., US  
[85] 2017-02-17  
[86] 2015-06-10 (PCT/US2015/035042)  
[87] (WO2016/093885)  
[30] US (62/089,002) 2014-12-08

[21] **2,958,332**  
[13] A1

[51] **Int.Cl. A61K 31/00 (2006.01) A61K 9/20 (2006.01) A61K 9/24 (2006.01) A61K 31/16 (2006.01) A61K 31/17 (2006.01) A61K 31/7072 (2006.01) C07F 9/44 (2006.01) C07F 9/6571 (2006.01)**  
[25] EN  
[54] **PHARMACEUTICAL COMPOSITION HAVING IMPROVED CONTENT UNIFORMITY**  
[54] **COMPOSITION PHARMACEUTIQUE PRESENTANT UNE UNIFORMITE DE TENEUR AMELIOREE**  
[72] PATEL, PRIYANK, IN  
[72] PATEL, MAYUR, IN  
[72] PATEL, MAHENDRA, IN  
[72] SINGH, BALVIR, IN  
[72] SEHGAL, ASHISH, IN  
[71] INTAS PHARMACEUTICALS LTD., IN  
[85] 2017-02-16  
[86] 2015-09-25 (PCT/IB2015/057384)  
[87] (WO2016/046797)  
[30] IN (3087/MUM/2014) 2014-09-26

[21] **2,958,334**  
[13] A1

[51] **Int.Cl. H05B 6/02 (2006.01) H05B 6/10 (2006.01) H05B 6/12 (2006.01)**  
[25] EN  
[54] **GRAPHITE COMPOSITE COOKING PLATE**  
[54] **PLAQUE DE CUISSON COMPOSITE EN GRAPHITE**  
[72] CORDA, ARNEL, CH  
[71] GARLAND COMMERCIAL INDUSTRIES LLC, US  
[85] 2017-02-16  
[86] 2015-08-17 (PCT/US2015/045496)  
[87] (WO2016/028678)  
[30] US (62/038,536) 2014-08-18

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| <p style="text-align: center;">[21] <b>2,958,335</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. F21V 7/04 (2006.01) F21K 9/232 (2016.01) F21K 9/68 (2016.01) F21V 7/06 (2006.01) F21V 7/07 (2006.01) F21V 7/08 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>LIGHT BULB ASSEMBLY HAVING INTERNAL REDIRECTION ELEMENT FOR IMPROVED DIRECTIONAL LIGHT DISTRIBUTION</b></p> <p>[54] <b>ENSEMBLE D'AMPOULE D'ECLAIRAGE COMPRENANT UN ELEMENT DE REDIRECTION INTERNE POUR UNE REPARTITION DIRECTIONNELLE AMELIOREE DE LA LUMIERE</b></p> <p>[72] DASSANAYAKE, MAHENDRA, US<br/>[72] PETKU, BRIAN, US<br/>[71] ELUMIGEN, LLC, US<br/>[85] 2017-02-16<br/>[86] 2015-08-19 (PCT/US2015/045879)<br/>[87] (WO2016/028885)<br/>[30] US (62/039,695) 2014-08-20<br/>[30] US (14/821,864) 2015-08-10</p> | <p style="text-align: center;">[21] <b>2,958,340</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. C08L 23/04 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>SYNTHETIC FIBERS WITH ENHANCED STAIN RESISTANCE AND METHODS OF MAKING THE SAME</b></p> <p>[54] <b>FIBRES SYNTHETIQUES A RESISTANCE AUX TACHES AMELIOREE ET PROCEDES DE FABRICATION DE CELLES-CI</b></p> <p>[72] TUNG, WAE-HAI, US<br/>[72] FIELITZ, GLENN, US<br/>[71] INVISTA TECHNOLOGIES S.A R.L., CH<br/>[85] 2017-02-15<br/>[86] 2015-08-19 (PCT/US2015/045797)<br/>[87] (WO2016/028840)<br/>[30] US (62/039,637) 2014-08-20</p>                                                                                                                                                                                                           | <p style="text-align: center;">[21] <b>2,958,343</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. B65D 1/02 (2006.01) B65D 23/00 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>CONTAINER BASE INCLUDING HEMISPHERICAL ACTUATING DIAPHRAGM</b></p> <p>[54] <b>BASE DE RECIPIENT COMPRENANT UN DIAPHRAGME D'ACTIONNEMENT HEMISPHERIQUE</b></p> <p>[72] WOLOSZYK, MARK, US<br/>[72] DOLE, OMKAR, US<br/>[72] DOWNING, DAVID, US<br/>[72] MAKI, KIRK EDWARD, US<br/>[72] PHILIP, BRADLEY S., US<br/>[72] STELZER, JAMES, US<br/>[71] AMCOR LIMITED, AU<br/>[85] 2017-02-16<br/>[86] 2015-08-20 (PCT/US2015/046123)<br/>[87] (WO2016/029023)<br/>[30] US (62/040,277) 2014-08-21<br/>[30] US (62/138,190) 2015-03-25</p> |
| <p style="text-align: center;">[21] <b>2,958,339</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. E21B 33/13 (2006.01) C09K 8/42 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>CEMENT COMPOSITIONS HAVING FAST SETTING TIMES AND HIGH COMPRESSIVE STRENGTHS</b></p> <p>[54] <b>COMPOSITIONS DE CIMENT AYANT DES TEMPS DE PRISE COURTS ET DE HAUTES RESISTANCES A LA COMPRESSION</b></p> <p>[72] AGAPIOU, KYRIACOS, US<br/>[72] PISKLAK, THOMAS J., US<br/>[71] HALLIBURTON ENERGY SERVICES, INC, US<br/>[85] 2017-02-15<br/>[86] 2014-12-15 (PCT/US2014/070388)<br/>[87] (WO2016/099444)</p>                                                                                                                                                                                                  | <p style="text-align: center;">[21] <b>2,958,342</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. A61K 38/22 (2006.01) A61K 9/08 (2006.01) A61K 9/19 (2006.01) A61K 47/02 (2006.01) A61K 47/12 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01) A61K 47/34 (2017.01) A61P 9/10 (2006.01) A61P 25/00 (2006.01) A61P 25/14 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>HGF PREPARATION SUITABLE FOR TREATMENT OF NEUROLOGICAL DISORDERS</b></p> <p>[54] <b>PREPARATION DE HGF CONVENANT AU TRAITEMENT DE TROUBLES NEUROLOGIQUES</b></p> <p>[72] FUKUTA, KAZUHIRO, JP<br/>[72] INOUE, HAYAO, JP<br/>[71] KRINGLE PHARMA INC., JP<br/>[85] 2017-02-16<br/>[86] 2015-08-27 (PCT/JP2015/074310)<br/>[87] (WO2016/039163)<br/>[30] JP (2014-184475) 2014-09-10</p> | <p style="text-align: center;">[21] <b>2,958,344</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. B65D 1/02 (2006.01) B29C 49/00 (2006.01) B65D 23/00 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>TWO-STAGE CONTAINER BASE BASE DE RECIPIENT A DEUX ETAGES</b></p> <p>[72] MAST, LUKE A., US<br/>[72] STEIH, RICHARD, US<br/>[72] MAKI, KIRK EDWARD, US<br/>[72] DOLE, OMKAR, US<br/>[72] WOLOSZYK, MARK, US<br/>[72] DOWNING, DAVID, US<br/>[71] AMCOR LIMITED, AU<br/>[85] 2017-02-16<br/>[86] 2015-08-20 (PCT/US2015/046110)<br/>[87] (WO2016/029016)<br/>[30] US (62/040,277) 2014-08-21<br/>[30] US (62/138,190) 2015-03-25</p>                                                                              |

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[13] A1

[51] **Int.Cl. A61K 31/26 (2006.01) A61K 31/10 (2006.01) A61P 11/00 (2006.01) A61P 29/02 (2006.01)**

[25] EN

[54] **COMPOSITIONS FOR ANTI-INFLAMMATORY, ANTIOXIDANT EFFECTS AND IMPROVED RESPIRATORY FUNCTION BY SPECIFIC HISTONE DEACETYLASE INHIBITION**

[54] **COMPOSITIONS A EFFETS ANTI-INFLAMMATOIRES ET ANTI-OXYDANTS, ET AMELIORATION DE LA FONCTION RESPIRATOIRE PAR UNE INHIBITION SPECIFIQUE DE L'HISTONE DESACETYLASE**

[72] MCCORD, DARLENE E., US  
[72] KARAGIANNIS, THOMAS, AU  
[71] MCCORD, DARLENE E., US  
[85] 2016-12-22  
[86] 2015-07-08 (PCT/US2015/039483)  
[87] (WO2016/007581)  
[30] US (62/022,433) 2014-07-09

[21] **2,958,398**  
[13] A1

[51] **Int.Cl. A61K 38/20 (2006.01) A61K 35/30 (2015.01)**

[25] EN

[54] **METHODS TO ENHANCE NERVE REGENERATION UTILIZING NEURAL STEM CELLS AND IL12P40**

[54] **PROCEDES POUR AMELIORER UNE REGENERATION NERVEUSE UTILISANT DES CELLULES SOUCHES NEURALES ET IL12P40**

[72] CHIU, ING-MING, TW  
[72] CHI, YA-HUI, TW  
[72] LEE, DON-CHING, TW  
[71] NATIONAL HEALTH RESEARCH INSTITUTES, TW  
[71] CHONG, PELE CHOI-SING, TW  
[85] 2017-02-15  
[86] 2015-08-14 (PCT/CA2015/050775)  
[87] (WO2016/023130)  
[30] US (62/037,612) 2014-08-15

[21] **2,958,399**  
[13] A1

[51] **Int.Cl. H05H 1/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR CONTROLLING PLASMA MAGNETIC FIELD**

[54] **SYSTEME ET PROCEDE DE COMMANDE D'UN CHAMP MAGNETIQUE DE PLASMA**

[72] ZINDLER, RYAN WALTER, CA  
[72] FRASER, JONATHAN DAMIAN, CA  
[71] GENERAL FUSION INC., CA  
[85] 2017-02-15  
[86] 2015-08-18 (PCT/CA2015/050784)  
[87] (WO2016/026040)  
[30] US (62/039,191) 2014-08-19

[21] **2,958,401**  
[13] A1

[51] **Int.Cl. H04L 12/24 (2006.01) H04W 4/16 (2009.01) H04L 12/16 (2006.01) H04L 12/58 (2006.01) H04L 12/66 (2006.01) H04M 3/42 (2006.01) H04N 7/14 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR MANAGING INCOMING CALLS**

[54] **SYSTEMES ET PROCEDES DE GESTION D'APPELS ENTRANTS**

[72] OFFEN, DAVID WILLIAM, CA  
[72] SHEA, DANIEL PATRICK, CA  
[72] LEON-GARCIA, ALBERTO, CA  
[71] OFFEN, DAVID WILLIAM, CA  
[71] SHEA, DANIEL PATRICK, CA  
[71] LEON-GARCIA, ALBERTO, CA  
[85] 2017-02-15  
[86] 2014-08-21 (PCT/CA2014/000634)  
[87] (WO2015/024104)  
[30] US (61/868,260) 2013-08-21

[21] **2,958,402**  
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61K 31/7105 (2006.01) A61K 31/713 (2006.01) A61P 31/18 (2006.01) C07H 21/02 (2006.01) C12N 15/49 (2006.01)**

[25] EN

[54] **ANTISENSE-BASED SMALL RNA AGENTS TARGETING THE GAG OPEN READING FRAME OF HIV-1 RNA**

[54] **AGENTS A BASE DE PETIT ARN ANTISENS CIBLANT LE CADRE DE LECTURE OUVERT GAG DE L'ARN DU VIH-1**

[72] GATIGNOL, ANNE, CA  
[72] SCARBOROUGH, ROBERT, CA  
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING / MCGILL UNIVERSITY, CA  
[85] 2017-02-15  
[86] 2014-08-25 (PCT/CA2014/050814)  
[87] (WO2015/027334)  
[30] US (61/869,852) 2013-08-26

[21] **2,958,403**  
[13] A1

[51] **Int.Cl. G01B 21/32 (2006.01) G01L 5/00 (2006.01) G01P 5/00 (2006.01)**

[25] EN

[54] **ADHESIVELY COUPLED POWER-METER FOR MEASUREMENT OF FORCE, TORQUE, AND POWER AND ASSOCIATED METHODS**

[54] **APPAREIL DE MESURE DE PUISSANCE COUPLE DE MANIERE ADHESIVE POUR LA MESURE DE FORCE, DE COUPLE ET DE PUISSANCE, ET PROCEDES ASSOCIES**

[72] FYFE, KIPLING, CA  
[72] WAKEHAM, KEITH, CA  
[71] 4III INNOVATIONS INC., CA  
[85] 2017-02-15  
[86] 2015-08-26 (PCT/IB2015/002099)  
[87] (WO2016/030768)  
[30] US (62/042,208) 2014-08-26

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[13] A1

[51] **Int.Cl. B22F 1/00 (2006.01) B22F 7/06 (2006.01)**  
[25] EN  
[54] **TITANIUM-BASED COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF**  
[54] **COMPOSITIONS A BASE DE TITANE, LEURS PROCÉDES DE FABRICATION ET LEURS UTILISATIONS**  
[72] BARIL, ERIC, CA  
[72] LEFEBVRE, LOUIS-PHILIPPE, CA  
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA  
[85] 2017-02-15  
[86] 2015-09-22 (PCT/CA2015/050932)  
[87] (WO2016/044930)  
[30] US (62/054,012) 2014-09-23

[21] **2,958,413**  
[13] A1

[51] **Int.Cl. B65D 35/44 (2006.01) B65D 51/22 (2006.01)**  
[25] EN  
[54] **FLUID CONTAINER**  
[54] **RECIPIENT DE FLUIDE**  
[72] IKEGAMI, TAKESHI, JP  
[71] UNICHARM CORPORATION, JP  
[85] 2017-02-15  
[86] 2015-08-11 (PCT/JP2015/072744)  
[87] (WO2016/039062)  
[30] JP (2014-186916) 2014-09-12

[21] **2,958,414**  
[13] A1

[51] **Int.Cl. C03B 5/16 (2006.01)**  
[25] EN  
[54] **EDGE SEAL ASSEMBLIES FOR HERMETIC INSULATING GLASS UNITS AND VACUUM INSULATING GLASS UNITS**  
[54] **ENSEMBLES DE JOINT DE BORD POUR UNITES DE VERRE ISOLANTES (IGU) HERMETIQUES ET UNITES DE VERRE ISOLANTES SOUS VIDE (VIGU)**  
[72] STARK, DAVID H., US  
[72] HONOR, PATRICK MICHAEL, US  
[71] EVERSEALED WINDOWS, INC., US  
[85] 2017-02-15  
[86] 2014-10-18 (PCT/US2014/061280)  
[87] (WO2015/058174)  
[30] US (61/893,112) 2013-10-18  
[30] US (61/985,979) 2014-04-29

[21] **2,958,423**  
[13] A1

[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/506 (2006.01) A61K 45/00 (2006.01) A61P 1/04 (2006.01) A61P 11/02 (2006.01) A61P 13/02 (2006.01) A61P 17/04 (2006.01) A61P 17/06 (2006.01) A61P 25/02 (2006.01) A61P 25/06 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/08 (2006.01) A61P 43/00 (2006.01) C07D 401/14 (2006.01)**  
[25] EN  
[54] **ACID-ADDITION SALT OF TRK-INHIBITING COMPOUND**  
[54] **SEL D'ADDITION ACIDE DE COMPOSE INHIBITEUR DE TRK**  
[72] TAKEUCHI, JUN, JP  
[72] ITADANI, SATOSHI, JP  
[72] IKURA, MASAHIRO, JP  
[72] HIGASHINO, MASATO, JP  
[72] KIJIMA, HIDEOMI, JP  
[72] ONO, SHIZUKA, JP  
[72] YASUHIRO, TETSUYA, JP  
[72] NAGAURA, TAKESHI, JP  
[71] ONO PHARMACEUTICAL CO., LTD., JP  
[85] 2017-02-15  
[86] 2015-08-17 (PCT/JP2015/072990)  
[87] (WO2016/027754)  
[30] JP (2014-165622) 2014-08-18

[21] **2,958,426**  
[13] A1

[51] **Int.Cl. B41J 2/175 (2006.01)**  
[25] EN  
[54] **TRANSFORM MAP AT PRINTER CARTRIDGE**  
[54] **TABLE DE CONVERSION POUR CARTOUCHE D'IMPRIMANTE**  
[72] NICHOLS, STEPHEN J., US  
[72] GONDEK, JAY S., US  
[72] WARD, JEFFERSON P, US  
[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US  
[85] 2017-02-15  
[86] 2014-08-19 (PCT/US2014/051684)  
[87] (WO2016/028272)

[21] **2,958,429**  
[13] A1

[51] **Int.Cl. G10L 19/035 (2013.01) G10L 19/02 (2013.01)**  
[25] EN  
[54] **AUDIO SIGNAL CODING APPARATUS, AUDIO SIGNAL DECODING APPARATUS, AUDIO SIGNAL CODING METHOD, AND AUDIO SIGNAL DECODING METHOD**  
[54] **APPAREIL DE CODAGE DE SIGNAL AUDIO, APPAREIL DE DECODAGE DE SIGNAL AUDIO, METHODE DE CODAGE DE SIGNAL AUDIO ET METHODE DE DECODAGE DE SIGNAL AUDIO**  
[72] KAWASHIMA, TAKUYA, JP  
[72] EHARA, HIROYUKI, JP  
[71] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US  
[85] 2017-02-16  
[86] 2015-07-03 (PCT/JP2015/003358)  
[87] (WO2016/013164)  
[30] US (62/028,805) 2014-07-25  
[30] JP (2014-219214) 2014-10-28

[21] **2,958,430**  
[13] A1

[51] **Int.Cl. G08B 15/00 (2006.01) F41B 15/00 (2006.01) F41H 11/00 (2006.01) F41H 13/00 (2006.01)**  
[25] EN  
[54] **ELECTRODE-FREE PLASMA LAMP OPTICAL DISRUPTION**  
[54] **RUPTURE OPTIQUE DE LAMPE A PLASMA SANS ELECTRODE**  
[72] HOBOY, LOREN P., US  
[71] HOBOY, LOREN P., US  
[85] 2017-02-15  
[86] 2015-09-15 (PCT/US2015/050083)  
[87] (WO2016/048708)  
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[21] **2,958,434**  
[13] A1

[51] **Int.Cl. C07H 15/256 (2006.01)**  
[25] EN  
[54] **NON-CALORIC SWEETENERS AND METHODS FOR SYNTHESIZING**  
[54] **EDULCORANTS NON CALORIQUES ET PROCEDES DE SYNTHESE**  
[72] MAO, GUOHONG, US  
[72] YU, XIAODAN, US  
[71] CONAGEN INC., US  
[85] 2017-02-15  
[86] 2015-10-02 (PCT/US2015/053782)  
[87] (WO2016/054544)  
[30] US (62/059,498) 2014-10-03  
[30] US (62/098,929) 2014-12-31

[21] **2,958,435**  
[13] A1

[51] **Int.Cl. B01J 32/00 (2006.01) B01J 21/12 (2006.01) B01J 27/135 (2006.01) B01J 35/00 (2006.01) B01J 37/00 (2006.01) B01J 37/02 (2006.01) B01J 37/04 (2006.01) B01J 37/08 (2006.01) B01J 37/26 (2006.01) C08F 4/00 (2006.01) C08F 10/00 (2006.01)**  
[25] EN  
[54] **FLUORINATED CATALYST SUPPORTS AND CATALYST SYSTEMS**  
[54] **SUPPORTS CATALYTIQUES FLUORES ET SYSTEMES CATALYTIQUES**  
[72] MOORHOUSE, JOHN H., US  
[72] CANN, KEVIN J., US  
[72] CAO, PHUONG A., US  
[72] GOODE, MARK G., US  
[72] HARLAN, C. JEFF, US  
[72] MARIOTT, WESLEY R., US  
[71] UNIVATION TECHNOLOGIES, LLC, US  
[85] 2017-02-15  
[86] 2014-08-19 (PCT/US2014/051695)  
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[21] **2,958,437**  
[13] A1

[51] **Int.Cl. C12P 19/56 (2006.01)**  
[25] EN  
[54] **NON-CALORIC SWEETENERS AND METHODS FOR SYNTHESIZING**  
[54] **EDULCORANTS NON CALORIQUES ET PROCEDES POUR LES OBTENIR PAR SYNTHESE**  
[72] MAO, GUOHONG, US  
[72] YU, XIAODAN, US  
[71] CONAGEN INC., US  
[85] 2017-02-15  
[86] 2015-10-02 (PCT/US2015/053789)  
[87] (WO2016/054548)  
[30] US (62/059,498) 2014-10-03  
[30] US (62/098,929) 2014-12-31

[21] **2,958,438**  
[13] A1

[51] **Int.Cl. A01K 69/00 (2006.01)**  
[25] EN  
[54] **FISH TRAP**  
[54] **PIEGE A POISSONS**  
[72] PARK, CHUN SUN, KR  
[71] PARK, CHUN SUN, KR  
[85] 2017-02-16  
[86] 2015-08-20 (PCT/KR2015/008724)  
[87] (WO2016/028108)  
[30] KR (10-2014-0108913) 2014-08-21

[21] **2,958,465**  
[13] A1

[51] **Int.Cl. E21B 43/10 (2006.01) E21B 33/13 (2006.01)**  
[25] EN  
[54] **LINER DRILLING USING RETRIEVABLE DIRECTIONAL BOTTOM-HOLE ASSEMBLY**  
[54] **FORAGE A COLONNE PERDUE UTILISANT UN ENSEMBLE DE FOND DE TROU DIRECTIONNEL RECUPERABLE**  
[72] DE CLUTE-MELANCON, DANIEL AARON, GB  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2017-02-16  
[86] 2014-10-08 (PCT/US2014/059712)  
[87] (WO2016/057032)

[21] **2,958,476**  
[13] A1

[51] **Int.Cl. B21D 26/14 (2006.01) B23K 20/06 (2006.01) H05B 6/14 (2006.01)**  
[25] EN  
[54] **WELDING HEAD FOR MAGNETIC PULSE WELDING OF TUBULAR PROFILES TO A CYLINDRICAL INNER MEMBER**  
[54] **TETE DE SOUDAGE POUR LE SOUDAGE PAR IMPULSION MAGNETIQUE DE PROFILS TUBULAIRES SUR UN ELEMENT INTERNE CYLINDRIQUE**  
[72] APEL, MARTIN, SE  
[72] PETERSSON, KRISTER, SE  
[71] VALMET AB, SE  
[71] APEL, MARTIN, SE  
[71] PETERSSON, KRISTER, SE  
[85] 2017-02-16  
[86] 2014-08-18 (PCT/SE2014/050947)  
[87] (WO2016/028197)

[21] **2,958,480**  
[13] A1

[51] **Int.Cl. B01D 53/28 (2006.01) F24F 3/147 (2006.01) F24F 12/00 (2006.01) F28D 21/00 (2006.01)**  
[25] EN  
[54] **LIQUID TO AIR MEMBRANE ENERGY EXCHANGERS**  
[54] **ECHANGEURS D'ENERGIE A MEMBRANE LIQUIDE-AIR**  
[72] LEPOUDRE, PHILIP PAUL, CA  
[72] SEYED AHMADI, MEHRAN, CA  
[72] BOLSTER, JOHN CHARLES, CA  
[71] NORTEK AIR SOLUTIONS CANADA, INC., CA  
[85] 2017-02-17  
[86] 2015-08-19 (PCT/CA2015/050787)  
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[30] US (62/039,254) 2014-08-19

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[13] A1

[51] **Int.Cl. A61B 5/0476 (2006.01) A61B 5/00 (2006.01) G06F 19/00 (2011.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR PREDICTION OF EPILEPTIC SEIZURES**  
[54] **PROCEDE ET APPAREIL DE PREDICTION DE CRISES EPILEPTIQUES**  
[72] GRAS, ROBIN, CA  
[72] GHADRIGOLESTANI, ABBAS, CA  
[71] UNIVERSITY OF WINDSOR, CA  
[85] 2017-02-17  
[86] 2015-08-26 (PCT/CA2015/000476)  
[87] (WO2016/029293)  
[30] US (62/042,535) 2014-08-27

[21] **2,958,493**  
[13] A1

[51] **Int.Cl. A47C 20/04 (2006.01) A47C 20/08 (2006.01) A61G 7/07 (2006.01) A61H 1/00 (2006.01)**  
[25] EN  
[54] **CRADLE FRAME AND STRUCTURE**  
[54] **CADRE ET STRUCTURE DE BERCEAU**  
[72] DU, CHUANKUI, CN  
[71] SHANGHAI XINTANG INDUSTRIAL CO., LTD., CN  
[85] 2017-02-17  
[86] 2015-02-02 (PCT/CN2015/072092)  
[87] (WO2016/026278)  
[30] CN (PCT/CN2014/085021) 2014-08-22

[21] **2,958,494**  
[13] A1

[51] **Int.Cl. A61B 34/10 (2016.01) A61B 5/107 (2006.01) A61B 17/68 (2006.01) A61B 17/84 (2006.01) A61F 2/02 (2006.01) A61F 2/28 (2006.01) G06F 19/00 (2011.01)**  
[25] EN  
[54] **FEEDBACK FOR PROVIDING ARTIFICIAL BONE FLAP**  
[54] **RETROACTION POUR UTILISER UN VOLET OSSEUX ARTIFICIEL**  
[72] PIRON, CAMERON, CA  
[72] YUWARAJ, THAS, CA  
[72] RICHMOND, JOSHUA, CA  
[72] SELA, GAI, CA  
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB  
[85] 2017-02-17  
[86] 2015-03-17 (PCT/CA2015/050196)  
[87] (WO2016/026029)  
[30] CA (PCT/CA2014/050798) 2014-08-20

[21] **2,958,495**  
[13] A1

[51] **Int.Cl. C07K 5/083 (2006.01) A61K 31/337 (2006.01) A61K 31/4745 (2006.01) A61K 31/7068 (2006.01) A61P 27/02 (2006.01) A61P 27/06 (2006.01) A61P 35/00 (2006.01)**  
[25] EN  
[54] **SMALL MOLECULE CONJUGATES SPECIFICALLY ACTIVATED IN TUMOR MICROENVIRONMENT FOR TARGETING AND USE THEREOF**  
[54] **CORPS DE COUPLAGE A CIBLE MICROMOLECULAIRE ACTIVEE DE MANIERE SPECIFIQUE DANS UN MICRO-ENVIRONNEMENT TUMORAL ET SON UTILISATION**  
[72] LIU, CHEN, CN  
[72] LIU, YUAN, CN  
[71] YAFEI SHANGHAI BIOLOG MEDICINE SCIENCE & TECHNOLOGY CO., LTD., CN

[85] 2017-02-17  
[86] 2015-08-21 (PCT/CN2015/087746)  
[87] (WO2016/026458)  
[30] CN (201410417919.0) 2014-08-22  
[30] CN (201410415969.5) 2014-08-22  
[30] CN (201410417885.5) 2014-08-22  
[30] CN (201410417882.1) 2014-08-22  
[30] CN (201410415968.0) 2014-08-22  
[30] CN (201410415970.8) 2014-08-22

[21] **2,958,497**  
[13] A1

[51] **Int.Cl. C08L 77/02 (2006.01) C08J 3/18 (2006.01) C08J 3/20 (2006.01) C08L 23/06 (2006.01) C08L 23/12 (2006.01) C08L 23/22 (2006.01) C08L 25/06 (2006.01)**  
[25] EN  
[54] **BUTYL IONOMER BLENDS**  
[54] **MELANGES COMPRENANT UN IONOMERE BUTYLIQUE**  
[72] ADKINSON, DANA K., CA  
[72] BIELBY, JON, CA  
[71] ARLANXEO SINGAPORE PTE. LTD., SG  
[85] 2017-02-17  
[86] 2015-08-11 (PCT/CA2015/050758)  
[87] (WO2016/026037)  
[30] EP (14181965.6) 2014-08-22

[21] **2,958,501**  
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 33/00 (2006.01) A61K 47/10 (2017.01) A61K 47/26 (2006.01) A61P 25/22 (2006.01)**  
[25] EN  
[54] **NEW DELIVERY VEHICLE FOR THERAPEUTIC GASES**  
[54] **NOUVEAU SUPPORT D'ADMINISTRATION DE GAZ THERAPEUTIQUES**  
[72] PURCELL, MARC, CA  
[71] TECHNOLOGIES KHLOROS INC., CA  
[85] 2017-02-17  
[86] 2015-08-19 (PCT/CA2015/050786)  
[87] (WO2016/026041)  
[30] US (62/040,195) 2014-08-21

[21] **2,958,502**  
[13] A1

[51] **Int.Cl. C01B 3/32 (2006.01) C01B 3/50 (2006.01)**  
[25] EN  
[54] **HYDROGEN PURIFICATION DEVICE PROTECTION SYSTEM AND METHOD BASED ON METHANOL-WATER REFORMING HYDROGEN PRODUCTION SYSTEM**  
[54] **SYSTEME DE PROTECTION DE DISPOSITIF DE PURIFICATION D'HYDROGENE ET PROCEDE FONDE SUR UN SYSTEME DE PRODUCTION D'HYDROGENE PAR REFORMAGE DE METHANOL-EAU**  
[72] XIANG, HUA, CN  
[71] GUANGDONG HYDROGEN ENERGY SCIENCE AND TECHNOLOGY CO., LTD, CN  
[85] 2017-02-17  
[86] 2016-05-26 (PCT/CN2016/083485)  
[87] (WO2016/192575)  
[30] CN (201510300749.2) 2015-06-05

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[13] A1

[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/416 (2006.01) A61K 31/496 (2006.01) A61P 35/00 (2006.01) C07D 231/56 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 405/14 (2006.01) C07D 417/12 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**

[25] EN

[54] **INDAZOLE COMPOUNDS AS FGFR KINASE INHIBITOR, PREPARATION AND USE THEREOF**

[54] **COMPOSES INDAZOLE UTILISES COMME INHIBITEURS DE LA FGFR KINASE, PREPARATION ET UTILISATION ASSOCIEES**

[72] GENG, MEIYU, CN  
[72] LIU, LEI, CN  
[72] JIANG, LEI, CN  
[72] HUANG, MIN, CN  
[72] ZHA, CHUANTAO, CN  
[72] AI, JING, CN  
[72] WANG, LEI, CN  
[72] CAO, JIANHUA, CN  
[72] DING, JIAN, CN  
[71] SHANGHAI HAIHE PHARMACEUTICAL CO., LTD., CN

[71] SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES, CN

[85] 2017-02-17  
[86] 2015-08-19 (PCT/CN2015/087556)  
[87] (WO2016/026445)  
[30] CN (201410409467.1) 2014-08-19  
[30] CN (201510073179.8) 2015-02-11

[21] **2,958,505**  
[13] A1

[51] **Int.Cl. H01M 8/04 (2016.01)**

[25] EN

[54] **METHANOL WATER REFORMING-BASED HYDROGEN PRODUCTION ELECTRIC GENERATOR**

[54] **GENERATEUR ELECTRIQUE DE PRODUCTION D'HYDROGENE FONDE SUR LE REFORMAGE D'EAU DE METHANOL**

[72] XIANG, HUA, CN  
[72] LI, WENXIA, CN  
[72] MA, JIN, CN  
[72] CAI, RONG, CN  
[72] LEI, JIANLIN, CN  
[72] YANG, WEITAO, CN  
[72] LIANG, WANGUANG, CN  
[72] MA, YONGFENG, CN  
[71] GUANGDONG HYDROGEN ENERGY SCIENCE AND TECHNOLOGY CO., LTD, CN

[85] 2017-02-17  
[86] 2016-06-15 (PCT/CN2016/085782)  
[87] (WO2017/020656)  
[30] CN (201510476342.5) 2015-08-06

[21] **2,958,506**  
[13] A1

[51] **Int.Cl. C01B 3/32 (2006.01)**

[25] EN

[54] **STARTING SYSTEM FOR STARTING REFORMING-BASED HYDROGEN PRODUCTION APPARATUS**

[54] **SYSTEME DE DEMARRAGE POUR DEMARRER UN APPAREIL DE PRODUCTION D'HYDROGENE BASE SUR LE REFORMAGE**

[72] XIANG, HUA, CN  
[72] LI, WENXIA, CN  
[72] MA, JIN, CN  
[72] CAI, RONG, CN  
[72] LEI, JIANLIN, CN  
[72] YANG, WEITAO, CN  
[72] LIANG, WANGUANG, CN  
[72] MA, YONGFENG, CN  
[71] GUANGDONG HYDROGEN ENERGY SCIENCE AND TECHNOLOGY CO., LTD, CN

[85] 2017-02-17  
[86] 2016-06-15 (PCT/CN2016/085781)  
[87] (WO2017/020655)  
[30] CN (201510476323.2) 2015-08-06

[21] **2,958,509**  
[13] A1

[51] **Int.Cl. H01R 4/20 (2006.01) H01R 4/50 (2006.01) H01R 4/62 (2006.01) H01R 43/16 (2006.01)**

[25] EN

[54] **CRIMP CONTACT CONTACT A SERTIR**

[72] WANG, XIAFU, DE  
[72] SCHMIDT, MARTIN, DE  
[71] HARTING ELECTRIC GMBH & CO. KG, DE

[85] 2017-02-17  
[86] 2015-08-05 (PCT/DE2015/100330)  
[87] (WO2016/034166)  
[30] DE (10 2014 112 701.3) 2014-09-03

[21] **2,958,524**  
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7105 (2006.01) A61K 48/00 (2006.01) A61P 25/08 (2006.01) C12N 15/85 (2006.01)**

[25] EN

[54] **SPLICE MODULATING OLIGONUCLEOTIDES AND METHODS OF USE THEREOF**

[54] **OLIGONUCLEOTIDES MODULATEURS D'EPISSAGE ET LEURS PROCEDES D'UTILISATION**

[72] TALLENT, MELANIE, US  
[72] LYKENS, NICOLE, US  
[72] LUTZ, GORDON, US  
[71] LIFESPLICE PHARMA LLC, US

[85] 2017-02-17  
[86] 2015-10-17 (PCT/IB2015/001917)  
[87] (WO2016/027168)  
[30] US (62/039,819) 2014-08-20

[21] **2,958,525**  
[13] A1

[51] **Int.Cl. G01S 7/292 (2006.01) G01S 13/53 (2006.01) G01S 13/90 (2006.01)**

[25] EN

[54] **SIGNAL PROCESSING DEVICE DISPOSITIF DE TRAITEMENT DE SIGNAUX**

[72] YAMAOKA, TOMOYA, JP  
[71] MITSUBISHI ELECTRIC CORPORATION, JP

[85] 2017-02-17  
[86] 2014-08-20 (PCT/JP2014/071759)  
[87] (WO2016/027326)



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[21] **2,958,530**  
[13] A1

[51] **Int.Cl. H01M 8/04 (2016.01)**  
[25] EN  
[54] **FUEL CELL SYSTEM AND CONTROL METHOD FOR FUEL CELL SYSTEM**  
[54] **SYSTEME DE PILE A COMBUSTIBLE ET PROCEDE DE COMMANDE DE SYSTEME DE PILE A COMBUSTIBLE**  
[72] ASAI, YOSHITOMO, JP  
[72] TAKEDA, HIROSHI, JP  
[71] NISSAN MOTOR CO., LTD., JP  
[85] 2017-02-17  
[86] 2014-08-20 (PCT/JP2014/071813)  
[87] (WO2016/027335)

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[13] A1

[51] **Int.Cl. H04N 21/435 (2011.01)**  
[25] EN  
[54] **METHODS FOR PHONETIC INFORMATION SIGNALING**  
[54] **PROCEDES DE SIGNALISATION D'INFORMATIONS PHONETIQUES**  
[72] DESHPANDE, SACHIN G., US  
[71] SHARP KABUSHIKI KAISHA, JP  
[85] 2017-02-17  
[86] 2015-09-24 (PCT/JP2015/004848)  
[87] (WO2016/051736)  
[30] US (62/059,704) 2014-10-03  
[30] US (62/068,131) 2014-10-24

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[21] **2,958,533**  
[13] A1

[51] **Int.Cl. C12N 5/00 (2006.01) C12N 5/0775 (2010.01) A61K 35/55 (2015.01) A61K 35/56 (2015.01) A61P 19/00 (2006.01) A61P 19/02 (2006.01) A61P 19/04 (2006.01) A61P 43/00 (2006.01)**  
[25] EN  
[54] **CULTURE MEDIUM FOR MESENCHYMAL STEM CELLS**  
[54] **MILIEU DE CULTURE POUR CELLULES SOUCHES MESENCHYMATEUSES**  
[72] JIN, YONGHUI, JP  
[72] HARATA, IKUE, JP  
[72] SENDA, SHO, JP  
[72] OZAWA, HIROKI, JP  
[72] KOBAYASHI, TSUYOSHI, JP  
[72] TOGUCHIDA, JUNYA, JP  
[72] IKEYA, MAKOTO, JP  
[71] AJINOMOTO CO., INC., JP  
[71] KYOTO UNIVERSITY, JP  
[85] 2017-02-17  
[86] 2015-08-20 (PCT/JP2015/073349)  
[87] (WO2016/027850)  
[30] JP (2014-168580) 2014-08-21

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[21] **2,958,534**  
[13] A1

[51] **Int.Cl. F02C 7/232 (2006.01) F23R 3/16 (2006.01) F23R 3/28 (2006.01)**  
[25] EN  
[54] **FUEL INJECTION DEVICE**  
[54] **DISPOSITIF D'INJECTION DE CARBURANT**  
[72] KOBAYASHI, MASAYOSHI, JP  
[72] MATSUYAMA, RYUSUKE, JP  
[72] YAMAGUCHI, KENTA, JP  
[72] FUJIWARA, HITOSHI, JP  
[71] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP  
[85] 2017-02-17  
[86] 2015-08-17 (PCT/JP2015/073024)  
[87] (WO2016/027770)  
[30] JP (2014-166126) 2014-08-18

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[13] A1

[51] **Int.Cl. F23R 3/28 (2006.01) F02C 7/232 (2006.01)**  
[25] EN  
[54] **FUEL INJECTION DEVICE**  
[54] **DISPOSITIF D'INJECTION DE CARBURANT**  
[72] KOBAYASHI, MASAYOSHI, JP  
[72] MATSUYAMA, RYUSUKE, JP  
[72] YAMAGUCHI, KENTA, JP  
[72] OGATA, HIDEKI, JP  
[72] NISHIURA, TAKEO, JP  
[72] FUJIWARA, HITOSHI, JP  
[71] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP  
[85] 2017-02-17  
[86] 2015-08-17 (PCT/JP2015/073023)  
[87] (WO2016/027769)  
[30] JP (2014-166125) 2014-08-18

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[13] A1

[51] **Int.Cl. B62M 6/90 (2010.01) B62M 6/45 (2010.01) B62H 5/00 (2006.01)**  
[25] EN  
[54] **BATTERY BRACKET TO BE USE IN ELECTRICALLY ASSISTED MOVING BODY, BATTERY UNIT, ELECTRICALLY ASSISTED UNIT, AND ELECTRICALLY ASSISTED MOVING BODY**  
[54] **SUPPORT DE BATTERIE DESTINE A ETRE UTILISE DANS UN CORPS MOBILE A ASSISTANCE ELECTRIQUE, UNITE DE BATTERIE, UNITE D'ASSISTANCE ELECTRIQUE, ET CORPS MOBILE A ASSISTANCE ELECTRIQUE**  
[72] YOSHII, AKIHITO, JP  
[72] YAMAGUCHI, KATSUHIRO, JP  
[72] NISHIKAWA, MASAFUMI, JP  
[72] TAKAMA, AKIRA, JP  
[71] SUNSTAR GIKEN KABUSHIKI KAISHA, JP  
[85] 2017-02-17  
[86] 2015-06-22 (PCT/JP2015/067835)  
[87] (WO2016/027562)  
[30] JP (2014-169130) 2014-08-22

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| [51] <b>Int.Cl. E21B 33/129 (2006.01) E21B 17/10 (2006.01)</b>                                                      | [51] <b>Int.Cl. C07C 229/12 (2006.01) A61K 31/7088 (2006.01) A61K 47/18 (2017.01) A61K 48/00 (2006.01) A61P 43/00 (2006.01)</b> | [51] <b>Int.Cl. A61K 31/50 (2006.01) A61K 31/19 (2006.01) A61K 31/4545 (2006.01) A61K 31/501 (2006.01) A61K 31/5025 (2006.01) A61K 31/503 (2006.01) A61K 31/506 (2006.01) A61K 31/537 (2006.01) A61K 31/5377 (2006.01) A61K 31/734 (2006.01) A61K 33/08 (2006.01) A61K 33/10 (2006.01) A61K 33/24 (2006.01) A61K 33/26 (2006.01) A61K 45/00 (2006.01) A61P 3/12 (2006.01) A61P 5/18 (2006.01) A61P 9/10 (2006.01) A61P 13/12 (2006.01) A61P 43/00 (2006.01) C07D 237/04 (2006.01) C07D 401/06 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01) C07D 405/14 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 487/08 (2006.01) C07D 498/08 (2006.01)</b> |
| [25] EN                                                                                                             | [25] EN                                                                                                                         | [25] EN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| [54] <b>AN APPARATUS FOR SEALING A BORE, A SYSTEM COMPRISING THE APPARATUS AND A METHOD FOR USING THE APPARATUS</b> | [54] <b>CATIONIC LIPID FOR NUCLEIC ACID DELIVERY</b>                                                                            | [54] <b>PHARMACEUTICAL CONTAINING SODIUM-DEPENDENT PHOSPHATE TRANSPORTER INHIBITOR</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| [54] <b>APPAREIL DE SCHELEMENT DE FORAGE, SYSTEME</b>                                                               | [54] <b>LIPIDE CATIONIQUE DESTINE A L'ADMINISTRATION D'ACIDES NUCLEIQUES</b>                                                    | [54] <b>PRODUIT PHARMACEUTIQUE CONTENANT UN INHIBITEUR DE TRANSPORTEUR DE PHOSPHATE DEPENDANT DU SODIUM</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| [72] SVARTVATN, TOMMY, NO                                                                                           | [72] SASAKI, SHOTA, JP                                                                                                          | [72] OHTAKE, YOSHIHITO, JP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| [72] BODE, TOM HENNING, NO                                                                                          | [72] OTA, MASAKI, JP                                                                                                            | [72] OKAMOTO, NAOKI, JP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| [72] HEGGESTAD, FRODE FLUGHEIM, NO                                                                                  | [72] KUBO, KAZUHIRO, JP                                                                                                         | [72] ONO, YOSHIYUKI, JP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| [72] BYE, ARNULF, NO                                                                                                | [72] HARASHIMA, HIDEYOSHI, JP                                                                                                   | [72] KASHIWAGI, HIROTAKA, JP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| [72] BERGE, THOMAS, NO                                                                                              | [72] AKITA, HIDETAKA, JP                                                                                                        | [72] KIMBARA, ATSUSHI, JP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| [72] HOLSTAD, EVALD, NO                                                                                             | [72] HATAKEYAMA, HIROTO, JP                                                                                                     | [72] HARADA, TAKEO, JP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| [72] JOHANSEN, THOMAS BERGAN, NO                                                                                    | [72] NOGUCHI, YUKI, JP                                                                                                          | [72] HORI, NOBUYUKI, JP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| [72] JOHANNESSEN, OYVIND NAESS, NO                                                                                  | [72] TANGE, KOTA, JP                                                                                                            | [72] MURATA, YOSHIHISA, JP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| [71] E HOLSTAD HOLDING AS, NO                                                                                       | [72] NAKAI, YUTA, JP                                                                                                            | [72] TACHIBANA, KAZUTAKA, JP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| [85] 2017-02-17                                                                                                     | [72] SHIMIZU, NAYUTA, JP                                                                                                        | [72] TANAKA, SHOTA, JP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| [86] 2015-08-20 (PCT/NO2015/000019)                                                                                 | [71] NOF CORPORATION, JP                                                                                                        | [72] NOMURA, KENICHI, JP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| [87] (WO2016/028155)                                                                                                | [71] NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY, JP                                                                    | [72] IDE, MITSUAKI, JP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| [30] NO (20141002) 2014-08-20                                                                                       | [85] 2017-02-17                                                                                                                 | [72] MIZUGUCHI, EISAKU, JP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                     | [86] 2015-08-07 (PCT/JP2015/072476)                                                                                             | [72] ICHIDA, YASUHIRO, JP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                     | [87] (WO2016/027699)                                                                                                            | [72] OHTOMO, SHUICHI, JP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                     | [30] JP (2014-166041) 2014-08-18                                                                                                | [72] HORIBA, NAOSHI, JP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                     |                                                                                                                                 | [71] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                     |                                                                                                                                 | [85] 2017-02-17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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|                                                                                                                     |                                                                                                                                 | [30] JP (2014-187048) 2014-09-12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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[21] **2,958,544**  
[13] A1

[51] **Int.Cl. A61L 27/18 (2006.01) A61L 15/26 (2006.01) A61L 29/06 (2006.01) A61L 31/06 (2006.01)**

[25] EN

[54] **THERMOFORMED POLY-4-HYDROXYBUTYRATE MEDICAL IMPLANTS**

[54] **IMPLANTS MEDICAUX THERMOFORMES EN POLY-4-HYDROXYBUTYRATE**

[72] BERNASCONI, MATTHEW, US  
[72] CONNELLY, DENNIS W., US  
[72] RIZK, SAID, US  
[72] MARTIN, DAVID P., US  
[72] WILLIAMS, SIMON F., US  
[71] TEPHA, INC., US  
[85] 2017-02-17  
[86] 2014-08-20 (PCT/US2014/051922)  
[87] (WO2016/028292)

[21] **2,958,545**  
[13] A1

[51] **Int.Cl. B01D 53/04 (2006.01) A61M 16/00 (2006.01) A61M 16/10 (2006.01) B01J 20/34 (2006.01)**

[25] EN

[54] **IMPROVEMENTS TO HALOCARBON RECYCLING METHODS AND SYSTEMS**

[54] **PERFECTIONNEMENTS APPORTES AUX PROCEDES ET AUX SYSTEMES DE RECYCLAGE DES HALOCARBURES**

[72] BROWN, SEBASTIAN MATTHEW, GB  
[71] SAGETECH MEDICAL EQUIPMENT LIMITED, GB  
[85] 2017-02-17  
[86] 2015-08-20 (PCT/GB2015/052426)  
[87] (WO2016/027097)  
[30] GB (1414820.9) 2014-08-20

[21] **2,958,547**  
[13] A1

[51] **Int.Cl. C02F 1/54 (2006.01) C07B 41/02 (2006.01) C25B 3/04 (2006.01)**

[25] EN

[54] **USES OF MELANIN IN WATER**

[54] **UTILISATIONS DE LA MELANINE DANS DE L'EAU**

[72] SOLIS HERRERA, ARTURO, MX  
[71] SOLIS HERRERA, ARTURO, MX  
[85] 2017-02-17  
[86] 2015-08-12 (PCT/IB2015/001360)  
[87] (WO2016/027143)  
[30] US (62/039,683) 2014-08-20

[21] **2,958,548**  
[13] A1

[51] **Int.Cl. E21B 34/14 (2006.01) E21B 34/12 (2006.01) E21B 43/25 (2006.01) E21B 43/26 (2006.01)**

[25] EN

[54] **A VALVE SYSTEM OF A WELL PIPE THROUGH AN HYDROCARBON CONTAINING FORMATION AND A METHOD TO OPERATE SAME**

[54] **SYSTEME DE VANNE D'UNE CONDUITE DE PUIT A TRAVERS UNE FORMATION CONTENANT DES HYDROCARBURES ET PROCEDE DE FONCTIONNEMENT**

[72] BRANDSDAL, VIGGO, NO  
[71] BRANDSDAL, VIGGO, NO  
[85] 2017-02-17  
[86] 2015-08-19 (PCT/NO2015/000018)  
[87] (WO2016/028154)  
[30] NO (20141001) 2014-08-19

[21] **2,958,549**  
[13] A1

[51] **Int.Cl. B01F 13/00 (2006.01) A61B 17/00 (2006.01) B01F 5/06 (2006.01) B01F 15/00 (2006.01) B05B 7/04 (2006.01)**

[25] EN

[54] **MINIMALLY CLOGGING DEVICE FOR DELIVERY OF FLUIDS**

[54] **DISPOSITIF D'OBSTRUCTION MINIMALE PERMETTANT L'ADMINISTRATION DE FLUIDES ET PROCEDE D'UTILISATION**

[72] GOODMAN, JOHN, US  
[72] LEIBOWITZ, REBECCA, US  
[71] ETHICON, INC., US  
[85] 2017-02-17  
[86] 2014-11-18 (PCT/US2014/066150)  
[87] (WO2016/036397)  
[30] US (62/045,883) 2014-09-04

[21] **2,958,550**  
[13] A1

[51] **Int.Cl. C12Q 1/02 (2006.01) C12Q 1/68 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR ASSESSING GERMLINE RISK OF CANCER**

[54] **PROCEDES ET COMPOSITIONS PERMETTANT D'EVALUER LE RISQUE DE CANCER D'UNE LIGNEE GERMINALE**

[72] OSTRER, HARRY, US  
[72] LOKE, JOHNNY C., US  
[72] PEARLMAN, ALEXANDER, US  
[71] ALBERT EINSTEIN COLLEGE OF MEDICINE, INC., US  
[85] 2017-02-17  
[86] 2015-08-19 (PCT/US2015/045856)  
[87] (WO2016/028870)  
[30] US (62/039,691) 2014-08-20

[21] **2,958,554**  
[13] A1

[51] **Int.Cl. A61B 10/00 (2006.01) A61B 5/1468 (2006.01) A61F 13/20 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR NON-INVASIVE ANALYSIS OF BODILY FLUIDS**

[54] **SYSTEME ET PROCEDE D'ANALYSE NON-INVASIVE DE FLUIDES CORPORELS**

[72] THERKELSEN, SOREN, US  
[72] NASERI, SARA, US  
[71] QURASENSE INC., US  
[85] 2017-02-17  
[86] 2015-08-05 (PCT/US2015/043883)  
[87] (WO2016/028497)  
[30] US (62/040,341) 2014-08-21

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[21] **2,958,555**  
[13] A1

[51] **Int.Cl. A61K 47/36 (2006.01) A61K 31/728 (2006.01) A61K 31/738 (2006.01)**

[25] EN

[54] **BIORESORBABLE TISSUE REPAIR COMPOSITION**

[54] **COMPOSITION DE REPARATION TISSULAIRE BIORESORBABLE**

[72] POMRINK, GREGORY J., US

[72] TOSUN, ZEHRA, US

[72] CAO, CECILIA, US

[72] WOODRUFF, ANNABELLE, US

[71] NOVABONE PRODUCTS, LLC, US

[85] 2017-02-17

[86] 2015-08-20 (PCT/US2015/046050)

[87] (WO2016/028981)

[30] US (62/040,108) 2014-08-21

[21] **2,958,557**  
[13] A1

[51] **Int.Cl. A61M 16/06 (2006.01) A61B 5/08 (2006.01) A61B 5/097 (2006.01) A61M 16/08 (2006.01) A61M 16/10 (2006.01)**

[25] EN

[54] **VENTILATION MASK**

[54] **MASQUE DE RESPIRATION**

[72] PEDRO, MICHAEL J., US

[72] CATALDO, STEVEN H., US

[72] REILLY, THOMAS M., US

[72] REDFORD, RYAN G., US

[72] KANE, DAVID M., US

[71] REVOLUTIONARY MEDICAL DEVICES, INC., US

[85] 2017-02-17

[86] 2015-08-07 (PCT/US2015/044341)

[87] (WO2016/028522)

[30] US (62/039,759) 2014-08-20

[30] US (62/078,677) 2014-11-12

[30] US (62/161,041) 2015-05-13

[21] **2,958,563**  
[13] A1

[51] **Int.Cl. G01D 18/00 (2006.01) G01D 5/00 (2006.01) G01D 5/12 (2006.01) G01D 5/26 (2006.01)**

[25] EN

[54] **SELF-CENTERING FOR ENCODER DEVICE**

[54] **AUTO-CENTRAGE POUR DISPOSITIF DE CODEUR**

[72] HALE, ERIC B., US

[71] NIDEC MOTOR CORPORATION, US

[85] 2017-02-17

[86] 2015-08-18 (PCT/US2015/045625)

[87] (WO2016/028735)

[30] US (14/466,348) 2014-08-22

[21] **2,958,567**  
[13] A1

[51] **Int.Cl. B28B 1/14 (2006.01) B29C 41/18 (2006.01) C03B 19/02 (2006.01) C04B 14/06 (2006.01)**

[25] EN

[54] **SYNTHETIC MOLDED SLABS, AND SYSTEMS AND METHODS RELATED THERETO**

[54] **DALLES MOULEES SYNTHETIQUES, ET SYSTEMES ET PROCEDES ASSOCIES**

[72] GRZESKOWIAK, JON LOUIS, II, US

[72] DAVIS, MARTIN E., US

[71] CAMBRIA COMPANY LLC, US

[85] 2017-02-17

[86] 2015-08-18 (PCT/US2015/045693)

[87] (WO2016/028780)

[30] US (14/463,494) 2014-08-19

[21] **2,958,569**  
[13] A1

[51] **Int.Cl. C02F 3/20 (2006.01) B01F 3/04 (2006.01) C02F 7/00 (2006.01)**

[25] EN

[54] **DIFFUSED AERATION SYSTEMS AND METHODS FOR CLEANING FOULED DIFFUSERS IN AERATION SYSTEMS**

[54] **SYSTEMES D'AERATION DIFFUSEE ET PROCEDES DE NETTOYAGE DE DIFFUSEURS CONTAMINES DANS DES SYSTEMES D'AERATION**

[72] KRALL, JOSEPH G., US

[72] HATCH, SCOTT, US

[72] JONES, JESSE, US

[71] XYLEM WATER SOLUTIONS U.S.A., INC., US

[85] 2017-02-17

[86] 2015-08-18 (PCT/US2015/045616)

[87] (WO2016/028729)

[30] US (62/038,643) 2014-08-18

[21] **2,958,571**  
[13] A1

[51] **Int.Cl. F24D 3/14 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR POSITIONING HEATING ELEMENTS**

[54] **PROCEDE ET APPAREIL POUR LE POSITIONNEMENT D'ELEMENTS CHAUFFANTS**

[72] LARSON, DAVID D., US

[71] PROGRESS PROFILES SPA, IT

[85] 2017-02-17

[86] 2015-08-18 (PCT/US2015/045688)

[87] (WO2016/028775)

[30] US (62/038,733) 2014-08-18

[21] **2,958,572**  
[13] A1

[51] **Int.Cl. G07F 19/00 (2006.01) G06Q 20/10 (2012.01) G06Q 40/02 (2012.01)**

[25] EN

[54] **SYSTEMS AND COMPUTER-IMPLEMENTED PROCESSES FOR DEPOSITING, WITHDRAWING, AND REUSING CURRENCY FOR PURCHASE TRANSACTIONS USING AN INTELLIGENT TELLER MACHINE**

[54] **SYSTEMES ET PROCESSUS MIS EN ŒUVRE PAR ORDINATEUR POUR DEPOSER, RETIRER ET REUTILISER DE L'ARGENT POUR DES TRANSACTIONS D'ACHAT A L'AIDE D'UNE MACHINE DE GUICHET INTELLIGENT**

[72] NIDERBERG, ALEXANDER L., US

[72] KOEPEL, ADAM R., US

[71] CAPITAL ONE FINANCIAL CORPORATION, US

[85] 2017-02-17

[86] 2015-08-18 (PCT/US2015/045702)

[87] (WO2016/028786)

[30] US (62/038,479) 2014-08-18

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[13] A1

[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/34 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR TISSUE CONTAINMENT AND RETRIEVAL**  
[54] **SYSTEMES ET PROCEDES DE CONFINEMENT ET D'EXTRACTION DE TISSUS**  
[72] DO, ALEXANDRA, US  
[72] BRESLIN, TRACY, US  
[72] YIN, EMILY, US  
[72] WACHLI, SERENE, US  
[72] HART, CHARLES C., US  
[72] FILEK, JACOB J., US  
[71] APPLIED MEDICAL RESOURCES CORPORATION, US  
[85] 2017-02-17  
[86] 2015-08-18 (PCT/US2015/045705)  
[87] (WO2016/028789)  
[30] US (62/038,740) 2014-08-18

[21] **2,958,580**  
[13] A1

[51] **Int.Cl. A61K 31/44 (2006.01) A61K 31/404 (2006.01)**  
[25] EN  
[54] **GAMMA-DIKETONES FOR TREATMENT AND PREVENTION OF AGING SKIN AND WRINKLES**  
[54] **GAMMA-DICETONES POUR LE TRAITEMENT ET LA PREVENTION DES RIDES ET DU VIEILLISSEMENT DE LA PEAU**  
[72] HOOD, JOHN, US  
[72] KC, SUNIL KUMAR, US  
[72] KIBAR, OSMAN, US  
[72] BARROGA, CHARLENE F., US  
[71] SAMUMED, LLC, US  
[85] 2017-02-17  
[86] 2015-08-20 (PCT/US2015/046120)  
[87] (WO2016/029021)  
[30] US (62/039,786) 2014-08-20

[21] **2,958,581**  
[13] A1

[51] **Int.Cl. C12P 19/34 (2006.01) C12N 9/12 (2006.01) C12Q 1/68 (2006.01)**  
[25] EN  
[54] **METHODS AND APPARATUS FOR SYNTHESIZING NUCLEIC ACIDS**  
[54] **PROCEDES ET APPAREIL DE SYNTHESE D'ACIDES NUCLEIQUES**  
[72] EFCAVITCH, J. WILLIAM, US  
[71] MOLECULAR ASSEMBLIES, INC., US  
[85] 2017-02-17  
[86] 2015-08-18 (PCT/US2015/045730)  
[87] (WO2016/028803)  
[30] US (62/038,604) 2014-08-18  
[30] US (62/069,067) 2014-10-27

[21] **2,958,583**  
[13] A1

[51] **Int.Cl. E04B 1/94 (2006.01) E04F 13/06 (2006.01) E04F 13/07 (2006.01)**  
[25] EN  
[54] **SELF-ALIGNING, DOUBLE WIRE CORNER BEAD FOR FIREPROOFING STRUCTURAL STEEL MEMBER AND METHOD OF USING SAME**  
[54] **PROFILE D'ANGLE DOUBLE EN FIL METALLIQUE, A AUTO-ALIGNEMENT, POUR L'IGNIFUGATION D'UN ELEMENT STRUCTURAL EN ACIER, ET SON PROCEDE D'UTILISATION**  
[72] MILLER, PHILIP GLEN, US  
[71] MILLER, PHILIP GLEN, US  
[85] 2017-02-17  
[86] 2015-08-21 (PCT/US2015/046371)  
[87] (WO2016/029154)  
[30] US (62/040,182) 2014-08-21

[21] **2,958,585**  
[13] A1

[51] **Int.Cl. A61K 38/07 (2006.01)**  
[25] EN  
[54] **METHODS AND COMPOSITIONS FOR THE PREVENTION AND TREATMENT OF DISEASE**  
[54] **METHODES ET COMPOSITIONS DESTINEES A PREVENIR ET A TRAITER UNE MALADIE**  
[72] WILSON, D. TRAVIS, US  
[71] STEALTH BIOTHERAPEUTICS CORP, KY  
[85] 2017-02-17  
[86] 2015-08-20 (PCT/US2015/046130)  
[87] (WO2016/029027)  
[30] US (62/040,236) 2014-08-21

[21] **2,958,588**  
[13] A1

[51] **Int.Cl. A45D 1/04 (2006.01)**  
[25] EN  
[54] **ROTATION RESPONSIVE MOTORIZED HAIR CURLER**  
[54] **BIGOUDI MOTORISE SENSIBLE A LA ROTATION**  
[72] YU, KENT, US  
[72] POFCHER, PAUL, US  
[72] ROCHA, MICHAEL, US  
[72] YAN, SAM, US  
[72] WATSON, GEORGE, US  
[72] TROPPER, MICHAEL, US  
[71] T3 MICRO, INC., US  
[85] 2017-02-17  
[86] 2015-08-28 (PCT/US2015/047411)  
[87] (WO2016/033449)  
[30] US (62/043,763) 2014-08-29

[21] **2,958,590**  
[13] A1

[51] **Int.Cl. G01R 31/08 (2006.01) H04L 12/891 (2013.01) H04L 1/24 (2006.01) H04L 12/26 (2006.01)**  
[25] EN  
[54] **DIAGNOSTIC ROUTING SYSTEM AND METHOD FOR A LINK ACCESS GROUP**  
[54] **SYSTEME ET PROCEDE D'ACHEMINEMENT DE DIAGNOSTIC POUR UN GROUPE D'ACCES DE LIAISON**  
[72] OSBORNE, ERIC, US  
[71] LEVEL 3 COMMUNICATIONS, LLC, US  
[85] 2017-02-17  
[86] 2015-08-20 (PCT/US2015/046136)  
[87] (WO2016/029029)  
[30] US (62/039,752) 2014-08-20

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[21] **2,958,592**  
[13] A1  
[51] **Int.Cl. B65D 17/34 (2006.01)**  
[25] EN  
[54] **CONTAINER END CLOSURE  
WITH AN INTEGRAL FLUID  
CHANNEL**  
[54] **FERMETURE D'EXTREMITE DE  
RECIPIENT A CANAL DE FLUIDE  
INTEGRE**  
[72] GATEWOOD, ERIK E., US  
[72] JACOBBER, MARK A., US  
[71] BALL CORPORATION, US  
[85] 2017-02-17  
[86] 2015-08-20 (PCT/US2015/046142)  
[87] (WO2016/029035)  
[30] US (62/039,830) 2014-08-20  
[30] US (62/050,260) 2014-09-15

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[21] **2,958,618**  
[13] A1  
[51] **Int.Cl. B66C 23/64 (2006.01) A01G  
23/00 (2006.01)**  
[25] EN  
[54] **ARRANGEMENT IN BOOM  
SYSTEM**  
[54] **AGENCEMENT DANS UN  
SYSTEME DE FLECHE**  
[72] AUVINEN, TONI, FI  
[72] HALONEN, MARKO, FI  
[71] PONSSE OYJ, FI  
[85] 2017-02-17  
[86] 2015-08-25 (PCT/FI2015/050546)  
[87] (WO2016/030575)  
[30] FI (20145740) 2014-08-26

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[21] **2,958,619**  
[13] A1  
[51] **Int.Cl. G07C 5/08 (2006.01) A01G  
23/00 (2006.01) G07C 5/12 (2006.01)**  
[25] EN  
[54] **METHOD, ARRANGEMENT AND  
USER INTERFACE FOR  
PRESENTING DATA DESCRIBING  
FOREST WORK UNIT  
OPERATION**  
[54] **PROCEDE, CONFIGURATION ET  
INTERFACE D'UTILISATEUR  
POUR PRESENTER DES  
DONNEES DECRIVANT UNE  
OPERATION D'UNITE DE  
TRAVAUX FORESTIERS**  
[72] SAVUOJA, JANI, FI  
[72] RANTA, NIKO, FI  
[72] HILJANEN, JARMO, FI  
[71] PONSSE OYJ, FI  
[85] 2017-02-17  
[86] 2015-08-26 (PCT/FI2015/050548)  
[87] (WO2016/030576)  
[30] FI (20145742) 2014-08-27

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## Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

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| [21] <b>2,934,165</b><br>[13] A1                                                                                                                                                                                                                                                                                                                                                                                                    | [21] <b>2,938,131</b><br>[13] A1                                                                                                                                                                                                               | [21] <b>2,938,400</b><br>[13] A1                                                                                                                                                                                                                                                                                     |
| [51] <b>Int.Cl. F22B 1/28 (2006.01)</b><br>[25] EN<br>[54] <b>STEAM GENERATION DEVICE AND SYSTEM</b>                                                                                                                                                                                                                                                                                                                                | [51] <b>Int.Cl. F16L 51/00 (2006.01) E21B 17/07 (2006.01) F16L 25/01 (2006.01) F16L 27/107 (2006.01)</b><br>[25] EN<br>[54] <b>FLUID PIPE ASSEMBLY INCLUDING LENGTH COMPENSATOR AND RELATED METHODS</b>                                        | [51] <b>Int.Cl. C25B 9/12 (2006.01) B01J 19/24 (2006.01) C01B 25/26 (2006.01) C01F 5/00 (2006.01) C25B 1/04 (2006.01)</b><br>[25] EN<br>[54] <b>REACTOR HAVING A SACRIFICIAL ANODE</b>                                                                                                                               |
| [54] <b>APPAREIL ET SYSTEME DE PRODUCTION DE VAPEUR</b><br>[72] VANDIGRIFF, JOHN EDWARD, US<br>[72] ORBECK, EINAR ARVID, US<br>[71] VANDIGRIFF, JOHN EDWARD, US<br>[71] ORBECK, EINAR ARVID, US<br>[22] 2016-06-27<br>[41] 2017-01-27<br>[30] US (14/756,047) 2015-07-27                                                                                                                                                            | [54] <b>ASSEMBLAGE DE TUYAU DE FLUIDE COMPORTANT UN COMPENSATEUR DE LONGUEUR ET METHODES ASSOCIEES</b><br>[72] HARLESS, RICHARD I., US<br>[71] HARRIS CORPORATION, US<br>[22] 2016-08-04<br>[41] 2017-02-12<br>[30] US (14/824,233) 2015-08-12 | [54] <b>REACTEUR COMPORTANT UNE ANODE SACRIFICIELLE</b><br>[72] EGNER, SIEGFRIED, DE<br>[72] MARIAKAKIS, LOSIF, DE<br>[72] CLAUBNITZER, UWE, DE<br>[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE<br>[22] 2016-08-05<br>[41] 2017-02-06<br>[30] DE (10 2015 215 037.2) 2015-08-06     |
| [21] <b>2,936,292</b><br>[13] A1                                                                                                                                                                                                                                                                                                                                                                                                    | [21] <b>2,938,278</b><br>[13] A1                                                                                                                                                                                                               | [21] <b>2,938,556</b><br>[13] A1                                                                                                                                                                                                                                                                                     |
| [51] <b>Int.Cl. B29C 45/72 (2006.01)</b><br>[25] EN<br>[54] <b>HEATING ELEMENT FOR A FLOW CHANNEL OR A MOULD IMPRESSION AND INJECTION-MOULDING NOZZLE WITH SUCH A HEATING ELEMENT</b>                                                                                                                                                                                                                                               | [51] <b>Int.Cl. B44D 3/14 (2006.01)</b><br>[25] EN<br>[54] <b>PAINT CAN HOLDER</b>                                                                                                                                                             | [51] <b>Int.Cl. B65D 85/804 (2006.01) A47J 31/06 (2006.01) A47J 42/40 (2006.01) B65B 1/04 (2006.01) B65B 29/02 (2006.01) B65B 43/42 (2006.01)</b><br>[25] EN<br>[54] <b>CONTAINER FOR PREPARATION OF A BEVERAGE AND MACHINE FOR AUTOMATED FILLING OF THE CONTAINER</b>                                               |
| [54] <b>ELEMENT CHAUFFANT DESTINE A UN CANAL D'ECOULEMENT OU A L'IMPRESSION PAR MOULAGE ET BUSE DE MOULAGE-INJECTION DOTE D'UN TEL ELEMENT CHAUFFANT</b><br>[72] GUNTHER, HERBERT, DE<br>[72] SOMMER, SIEGRID, DE<br>[72] SCHNELL, TORSTEN, DE<br>[72] DROSSLER, RALF, DE<br>[72] KWIATKOWSKI, MARCO, DE<br>[71] GUNTHER HEISSKANALTECHNIK GMBH, DE<br>[22] 2016-07-15<br>[41] 2017-02-03<br>[30] DE (10 2015 112 748.2) 2015-08-03 | [54] <b>SUPPORT DE CONTENANT DE PEINTURE</b><br>[72] ROGOWSKI, DOMINIK, CA<br>[72] BRAGNALO, TYLER J. F., CA<br>[71] ROGOWSKI, DOMINIK, CA<br>[22] 2016-08-08<br>[41] 2017-02-07<br>[30] US (62202354) 2015-08-07                              | [54] <b>CONTENANT DE PREPARATION D'UNE BOISSON ET MACHINE DE REMPLISSAGE AUTOMATISE DU CONTENANT</b><br>[72] LAMB, FREDERICK WILLIAM, US<br>[72] LAMB, FREDERICK WILLIAM, II, US<br>[72] CLARK, JAMES F. F., US<br>[71] PNEUTOOLS, INC., US<br>[22] 2016-08-11<br>[41] 2017-02-11<br>[30] US (62/203,570) 2015-08-11 |

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[21] **2,938,685**  
[13] A1

[51] **Int.Cl. B02C 23/00 (2006.01)**  
[25] EN  
[54] **SYSTEMS, METHODS, AND APPARATUS FOR MANUFACTURING MICRONIZED POWDER**  
[54] **SYSTEMES, METHODES ET APPAREILLAGES DE FABRICATION DE POUDRE MICRONISEE**  
[72] STRAVINSKI, JASON, US  
[72] COUNTS, KARL, US  
[72] PETRONI, DAVID, US  
[71] LEHIGH TECHNOLOGIES, INC., US  
[22] 2016-08-12  
[41] 2017-02-13  
[30] US (14/825,912) 2015-08-13

[21] **2,938,981**  
[13] A1

[51] **Int.Cl. C14B 1/58 (2006.01) C14B 17/00 (2006.01)**  
[25] EN  
[54] **PELT BOARD**  
[54] **PLANCHE DE PELTRIE**  
[72] PEDERSEN, KURT, DK  
[71] EIKON TECHNOLOGIES HOLDING S.A.R.L., LU  
[22] 2016-08-16  
[41] 2017-02-17  
[30] DK (PA201570534) 2015-08-17

[21] **2,938,982**  
[13] A1

[51] **Int.Cl. C14B 1/58 (2006.01) C14B 17/00 (2006.01)**  
[25] EN  
[54] **PELT BOARD FOR DRYING TUBULAR PELTS**  
[54] **PLANCHE DE PELTRIE SERVANT A SECHER DES PELTRIES TUBULAIRES**  
[72] PEDERSEN, KURT, DK  
[71] EIKON TECHNOLOGIES HOLDING S.A.R.L., LU  
[22] 2016-08-16  
[41] 2017-02-17  
[30] DK (PA201570532) 2015-08-17

[21] **2,938,985**  
[13] A1

[51] **Int.Cl. C14B 1/58 (2006.01) C14B 17/00 (2006.01)**  
[25] EN  
[54] **PELT BOARD**  
[54] **PLANCHE DE PELTRIE**  
[72] PEDERSEN, KURT, DK  
[71] EIKON TECHNOLOGIES HOLDING S.A.R.L., LU  
[22] 2016-08-16  
[41] 2017-02-17  
[30] DK (PA201570533) 2015-08-17

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[51] **Int.Cl. C01B 32/15 (2017.01) C01B 32/05 (2017.01) C04B 35/524 (2006.01) C09K 11/65 (2006.01)**  
[25] EN  
[54] **METHOD FOR MANUFACTURING CARBON QUANTUM DOTS**  
[54] **METHODE DE FABRICATION DE POINTS QUANTIQUES EN CARBONE**  
[72] CLAVERIE, JEROME, CA  
[72] ZHANG, JIANMING, CA  
[71] TRANSFERT PLUS, SOCIETE EN COMMANDITE, CA  
[22] 2016-08-18  
[41] 2017-02-18  
[30] US (62/206,453) 2015-08-18

[21] **2,950,775**  
[13] A1

[51] **Int.Cl. H01M 8/1051 (2016.01) D04H 1/728 (2012.01)**  
[25] EN  
[54] **ELECTROSPUN NANOFIBER WEBS FOR MEMBRANE REINFORCEMENT IN FUEL CELLS**  
[54] **BANDES DE NANOFIBRES ELECTROFILEES DESTINEES AU RENFORCEMENT DE MEMBRANE DANS LES PILES A COMBUSTIBLE**  
[72] LI, JING, CA  
[72] WANG, KEPING, CA  
[72] YANG, YUNSONG, CA  
[71] DAIMLER AG, DE  
[71] FORD MOTOR COMPANY, US  
[22] 2016-12-07  
[41] 2017-02-03

[21] **2,952,035**  
[13] A1

[51] **Int.Cl. B03D 1/02 (2006.01) E21B 43/34 (2006.01)**  
[25] EN  
[54] **METHOD OF CONTROLLING A WATER-BASED OIL SAND EXTRACTION PROCESS**  
[54] **METHODE DE CONTROLE D'UN PROCEDE D'EXTRACTION DE SABLE BITUMINEUX A BASE D'EAU**  
[72] GERVAIS, OLIVIER, CA  
[72] BOHRA, LALIT K., US  
[72] KOROLUK, DEVON C., CA  
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US  
[71] IMPERIAL OIL RESOURCES LIMITED, CA  
[22] 2016-12-16  
[41] 2017-02-15

[21] **2,952,228**  
[13] A1

[51] **Int.Cl. A61K 36/14 (2006.01) A61K 36/69 (2006.01) A61K 36/725 (2006.01) A61P 25/20 (2006.01)**  
[25] EN  
[54] **PLANT EXTRACT COMPOSITIONS FOR AFFECTING SLEEP**  
[54] **COMPOSITIONS D'EXTRAITS DE PLANTES DESTINEES A AFFECTER LE SOMMEIL**  
[72] XIE, XUEJU, CA  
[72] KO, YU-LUNG, CA  
[72] KO, CHIEN-KUANG, CA  
[72] KO, JASON JIANG-CHUNG, CA  
[72] GAFNEY, RICHARD WILLIAM, CA  
[71] VIVA PHARMACEUTICAL INC., CA  
[22] 2009-11-03  
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[21] **2,952,392**  
[13] A1

[51] **Int.Cl. C10L 9/10 (2006.01) C04B 7/42 (2006.01)**  
[25] EN  
[54] **PRODUCTION OF CEMENTITIOUS ASH PRODUCTS WITH REDUCED CARBON EMISSIONS**  
[54] **PRODUCTION DE PRODUITS A BASE DE CENDRE CIMENTAIRE AYANT DES EMISSIONS REDUITES DE CARBONE**  
[72] COMRIE, DOUGLAS C., US  
[71] NOX II, LTD., US  
[22] 2007-02-07  
[41] 2007-08-16  
[62] 2,641,311  
[30] US (60/765,944) 2006-02-07  
[30] US (11/702,477) 2007-02-05

[21] **2,952,443**  
[13] A1

[51] **Int.Cl. C07D 231/14 (2006.01) A01N 43/56 (2006.01) A01P 13/00 (2006.01) A61K 31/4155 (2006.01) A61P 33/00 (2006.01) A61P 33/14 (2006.01)**  
[25] EN  
[54] **DIMERIC 1-ARYLPYRAZOLE DERIVATIVES**  
[54] **DERIVES DIMERIQUES DE 1-ARYLPYRAZOLE**  
[72] MENG, CHARLES Q., US  
[71] MERIAL, INC., US  
[22] 2009-11-18  
[41] 2010-05-27  
[62] 2,743,553  
[30] US (61/116,021) 2008-11-19

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[13] A1

[51] **Int.Cl. A61B 5/0408 (2006.01) A61B 5/0428 (2006.01) B32B 3/08 (2006.01) B32B 7/12 (2006.01) C09J 9/02 (2006.01)**  
[25] EN  
[54] **MULTIPLE ELECTRODE COMPOSITE SYSTEMS AND METHODS FOR USE IN ELECTROCARDIOGRAM DETECTION SYSTEMS**  
[54] **SYSTEMES COMPOSITES D'ELECTRODES MULTIPLES ET PROCEDES D'UTILISATION DANS LES SYSTEMES DE DETECTION D'ELECTROCARDIOGRAMMES**  
[72] BURNHAM, KENNETH, US  
[72] GORKHALI, SURAJ, US  
[72] GREENE, ANDREW, US  
[71] FLEXCON COMPANY, INC., US  
[22] 2009-08-05  
[41] 2010-02-11  
[62] 2,731,697  
[30] US (61/086,601) 2008-08-06

[21] **2,952,475**  
[13] A1

[51] **Int.Cl. A61K 38/22 (2006.01) A61P 9/00 (2006.01) A61P 9/12 (2006.01)**  
[25] EN  
[54] **VIP FRAGMENTS AND METHODS OF USE**  
[54] **FRAGMENTS DE VIP ET METHODES D'UTILISATION**  
[72] DUGGAN, KAREN ANNETTE, AU  
[71] VECTUS BIOSYSTEMS LIMITED, AU  
[22] 2006-12-08  
[41] 2007-06-14  
[62] 2,632,581  
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[13] A1

[51] **Int.Cl. A61K 47/60 (2017.01) A61P 21/00 (2006.01) A61P 25/28 (2006.01)**  
[25] EN  
[54] **POLYALKYLENE GLYCOL WITH MOIETY FOR CONJUGATING BIOLOGICALLY ACTIVE COMPOUNDS**  
[54] **POLY(ALCYLENEGLYCOL) COMPORTANT DES ENTITES POUR CONJUGUER DES COMPOSES BIOLOGIQUEMENT ACTIFS**  
[72] LIN, KOCHUNG, US  
[72] PEPINSKY, R. BLAKE, US  
[72] CHEN, LING LING, US  
[72] HESS, DONNA M., US  
[72] LIN, EDWARD Y., US  
[72] PETER, RUSSELL C., US  
[72] BAKER, DARREN P., US  
[71] BIOGEN MA INC., US  
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[21] **2,952,692**  
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01)**  
[25] EN  
[54] **SUBSTITUTED IMIDAZO[1,2B]PYRIDAZINE COMPOUNDS AS TRK KINASE INHIBITORS**  
[54] **COMPOSES IMIDAZO[1,2B]PYRIDAZINE SUBSTITUES COMME INHIBITEURS DE KINASES TRK**  
[72] ANDREWS, STEVEN W., US  
[72] HAAS, JULIA, US  
[72] JIANG, YUTONG, US  
[72] ZHANG, GAN, US  
[71] ARRAY BIOPHARMA INC., US  
[22] 2009-09-21  
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[13] A1

[51] **Int.Cl. C10C 3/08 (2006.01)**  
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[54] **METHODS FOR PROCESSING A BITUMINOUS FEED**  
[54] **PROCEDE DE TRAITEMENT DE MATIERE PREMIERE BITUMINEUSE**  
[72] CHEN, CHIEN-CHIANG, US  
[72] BOHRA, LALIT KUMAR, US  
[72] ADEYINKA, OLUSOLA B., US  
[72] TANAKA, PAUL L., US  
[72] ABEL, KEITH A., US  
[71] IMPERIAL OIL RESOURCES LIMITED, CA  
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US  
[22] 2014-09-11  
[41] 2016-03-11  
[62] 2,863,488

[21] **2,955,325**  
[13] A1

[51] **Int.Cl. B29C 70/34 (2006.01) B64C 1/06 (2006.01) B64C 3/18 (2006.01)**  
[25] EN  
[54] **STACKED NOODLE FOR HIGH CAPACITY PULL-OFF FOR A COMPOSITE STRINGER**  
[54] **SPAGHETTIERE SUPERPOSEE POUR UN RAPPEL A GRANDE CAPACITE DESTINEE A UN LONGERON COMPOSITE**  
[72] KAMARAJ, MALMURUGAN, US  
[72] MATHESON, DONALD PAUL, US  
[71] THE BOEING COMPANY, US  
[22] 2012-01-26  
[41] 2012-11-22  
[62] 2,834,721  
[30] US (13/111,375) 2011-05-19

[21] **2,957,045**  
[13] A1

[51] **Int.Cl. G01D 11/00 (2006.01) G01D 7/00 (2006.01) G01N 27/416 (2006.01) G06K 7/10 (2006.01) G08B 21/00 (2006.01) G08B 21/18 (2006.01)**  
[25] EN  
[54] **ENVIRONMENTAL SENSING DETECTION ENVIRONNEMENTALE**  
[72] JENSEN, THOMAS P., US  
[72] LAWLER, CASIMIR E., JR., US  
[72] SPENCER, JAMES J., US  
[72] LARSON, ERIC R., US  
[72] BATES, ALLEN M., US  
[71] PAKSENSE, INC., US  
[22] 2007-02-28  
[41] 2007-09-07  
[62] 2,643,024  
[30] US (60/777,953) 2006-02-28

[21] **2,957,144**  
[13] A1

[51] **Int.Cl. C07K 16/46 (2006.01) C07K 14/755 (2006.01) C07K 16/40 (2006.01)**  
[25] EN  
[54] **ANTIBODY SUBSTITUTING FOR FUNCTION OF BLOOD COAGULATION FACTOR VIII**  
[54] **SUBSTITUTION DES ANTICORPS DE LA FONCTION DU FACTEUR VIII DE COAGULATION SANGUINE**  
[72] HATTORI, KUNIHIRO, JP  
[72] KOJIMA, TETSUO, JP  
[72] SAITO, HIROYUKI, JP  
[72] MIYAZAKI, TARO, JP  
[72] SOEDA, TETSUHIRO, JP  
[71] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP  
[22] 2006-03-31  
[41] 2006-10-19  
[62] 2,603,264  
[30] JP (2005-112514) 2005-04-08

[21] **2,957,168**  
[13] A1

[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 50/32 (2012.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR PROVIDING PERSONALIZED DELIVERY SERVICES**  
[54] **SYSTEMES ET PROCEDES DE PRESTATION DE SERVICES DE LIVRAISON PERSONNALISES**  
[72] RIZZO, JOE S., US  
[72] SHROFF, SUMEET, US  
[72] KLINGENBERG, ROBERT, US  
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US  
[22] 2006-06-20  
[41] 2007-01-04  
[62] 2,885,818  
[30] US (60/692,849) 2005-06-21  
[30] US (60/701,712) 2005-07-22  
[30] US (60/750,684) 2005-12-14

[21] **2,957,327**  
[13] A1

[51] **Int.Cl. G06Q 10/10 (2012.01) G06F 17/30 (2006.01) G06N 5/00 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR INTELLIGENT PAPERLESS DOCUMENT MANAGEMENT**  
[54] **SYSTEMES ET PROCEDES POUR GESTION DOCUMENTAIRE ELECTRONIQUE ET INTELLIGENTE**  
[72] MALANEY, SANJEEV, IN  
[72] KULKARNI, PARAG, IN  
[72] VISWANATHAN, KRISHNWAMI, IN  
[72] MALANEY, VIKRAM, IN  
[72] EVANS, JEFFREY, US  
[71] CAPSILON CORPORATION, US  
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[62] 2,745,712

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[13] A1

[51] **Int.Cl. A61G 3/00 (2006.01) B60N 2/07 (2006.01) B60N 2/24 (2006.01)**  
[25] EN  
[54] **EMERGENCY VEHICLE PATIENT TRANSPORT SYSTEMS**  
[54] **SYSTEMES DE TRANSPORT DE PATIENT POUR VEHICULE D'URGENCE**  
[72] BOURGRAF, JOSEPH G., US  
[72] WELLS, TIMOTHY ROBERT, US  
[72] SCHROEDER, TIMOTHY PAUL, US  
[71] FERNO-WASHINGTON, INC., US  
[22] 2011-04-25  
[41] 2011-11-03  
[62] 2,797,563  
[30] US (12/767,555) 2010-04-26

[21] **2,957,340**  
[13] A1

[51] **Int.Cl. A61G 3/02 (2006.01) A61G 3/08 (2006.01) B60N 2/005 (2006.01) B60N 2/04 (2006.01) B60N 2/24 (2006.01) B60P 7/08 (2006.01) B60R 11/02 (2006.01)**  
[25] EN  
[54] **EMERGENCY VEHICLE PATIENT TRANSPORT SYSTEMS**  
[54] **SYSTEMES DE TRANSPORT DE PATIENT POUR VEHICULE D'URGENCE**  
[72] BOURGRAF, JOSEPH G., US  
[72] WELLS, TIMOTHY ROBERT, US  
[72] SCHROEDER, TIMOTHY PAUL, US  
[71] FERNO-WASHINGTON, INC., US  
[22] 2011-04-25  
[41] 2011-11-03  
[62] 2,797,563  
[30] US (12/767,555) 2010-04-26

[21] **2,957,440**  
[13] A1

[51] **Int.Cl. A61B 17/86 (2006.01)**  
[25] EN  
[54] **BONE SCREW AND METHOD FOR MANUFACTURING THE SAME**  
[54] **VIS A OS ET SON PROCEDE DE FABRICATION**  
[72] WILLERT, WAYNE A., US  
[72] WILLERT, ANDREA, US  
[71] ORTHOPEDIC MEDICAL CHANNELS, LLC, US  
[22] 2013-02-07  
[41] 2013-08-15  
[62] 2,862,160  
[30] US (13/369760) 2012-02-09

[21] **2,957,647**  
[13] A1

[51] **Int.Cl. F04D 13/08 (2006.01) E21B 43/12 (2006.01) F04D 13/10 (2006.01) F04D 29/04 (2006.01) E21B 43/24 (2006.01)**  
[25] EN  
[54] **ROD DRIVEN CENTRIFUGAL PUMPLING SYSTEM FOR ADVERSE WELL PRODUCTION**  
[54] **MECANISME DE POMPAGE CENTRIFUGE A TIGE POUR PRODUCTION DE Puits EN TOUT TEMPS**  
[72] FOUILLARD, PHIL, CA  
[72] NOBLE, EVAN, CA  
[71] OILFIELD EQUIPMENT DEVELOPMENT CENTER LIMITED, SC  
[22] 2014-05-05  
[41] 2015-10-30  
[62] 2,850,954  
[30] US (14/265,867) 2014-04-30

[21] **2,957,652**  
[13] A1

[51] **Int.Cl. F04B 43/073 (2006.01) F04B 49/03 (2006.01) F04B 49/06 (2006.01)**  
[25] EN  
[54] **CONTROL SYSTEM FOR AN AIR OPERATED DIAPHRAGM PUMP**  
[54] **SYSTEME DE COMMANDE POUR POMPE A MEMBRANE PNEUMATIQUE**  
[72] REED, DAVID A., IS  
[72] HOGUE, TIMOTHY D., IS  
[71] PROPORTIONAIR, INC., US  
[22] 2005-11-17  
[41] 2006-05-26  
[62] 2,588,054  
[30] US (10/991296) 2004-11-17  
[30] US (11/257333) 2005-10-24

[21] **2,957,680**  
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A47B 21/00 (2006.01) A47C 31/00 (2006.01) A47C 31/12 (2006.01) A61B 5/01 (2006.01) A61B 5/11 (2006.01) G06F 19/00 (2011.01)**  
[25] EN  
[54] **CHAIR PAD SYSTEM AND ASSOCIATED, COMPUTER MEDIUM AND COMPUTER-IMPLEMENTED METHODS FOR MONITORING AND IMPROVING HEALTH AND PRODUCTIVITY OF EMPLOYEES**  
[54] **SYSTEME DE COUSSIN DE SIEGE, SUPPORT INFORMATIQUE ET PROCEDES INFORMATIQUES ASSOCIES POUR SURVEILLER ET AMELIORER LA SANTE ET LA PRODUCTIVITE D'EMPLOYES**  
[72] HORSEMAN, SAMANTHA J., SA  
[71] SAUDI ARABIAN OIL COMPANY, SA  
[22] 2012-07-03  
[41] 2013-01-10  
[62] 2,840,799  
[30] US (61/504,638) 2011-07-05  
[30] US (61/659,790) 2012-06-14  
[30] US (61/659,796) 2012-06-14  
[30] US (61/659,800) 2012-06-14  
[30] US (61/659,807) 2012-06-14  
[30] US (61/659,810) 2012-06-14  
[30] US (61/659,818) 2012-06-14  
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[13] A1

[51] **Int.Cl. C12N 15/53 (2006.01) C12N 9/02 (2006.01) C12P 1/00 (2006.01) C12P 19/00 (2006.01)**

[25] EN

[54] **LACCASES FOR PULP BIO-BLEACHING**

[54] **LACCASES POUR BLANCHIMENT BIOLOGIQUE DE LA PATE DE CELLULOSE**

[72] KEROVUO, JANNE SAMULI, US

[72] HAREMZA, SYLKE, DE

[72] KOCH, OLIVER, DE

[72] HABICHER, TILO, DE

[72] ROBERTSON, DAN, US

[72] DESANTIS, GRACE, US

[72] MCCANN, RYAN, US

[72] LUGINBUHL, PETER, US

[71] BASF ENZYMES LLC, US

[71] BASF SE, DE

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[41] 2008-03-06

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[30] US (60/824,402) 2006-09-01

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[13] A1

[51] **Int.Cl. A61C 19/04 (2006.01) A46B 15/00 (2006.01) A61C 19/00 (2006.01)**

[25] EN

[54] **TOOTHBRUSH WITH OPTICAL INDICATION ELEMENT**

[54] **BROSSE A DENTS POURVUE D'UN INDICATEUR OPTIQUE**

[72] JUNGnickel, UWE, DE

[72] ALTMANN, NICLAS, DE

[71] THE GILLETTE COMPANY LLC, US

[22] 2012-02-09

[41] 2012-08-16

[62] 2,825,586

[30] US (61/440,929) 2011-02-09

[30] US (61/482,888) 2011-05-05

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[13] A1

[51] **Int.Cl. E03D 5/10 (2006.01) E03D 1/34 (2006.01) E03D 3/06 (2006.01) F16K 21/06 (2006.01) F16K 31/04 (2006.01)**

[25] EN

[54] **DUAL MODE FLUSH ACTUATOR**

[54] **DISPOSITIF DE COMMANDE DE CHASSE DOUBLE**

[72] WILSON, JOHN R., US

[72] HERBERT, KAY, US

[72] MO, XIAOXIONG, US

[72] COSTA, ALFRED J., US

[72] ANTHONY, JOSHUA D., US

[72] RENNER, KLAUS H., US

[72] KOWALCZYK, MATTHEW THOMAS, US

[72] KINSLEY, JOSHUA P., US

[72] QUINTUS-BOSZ, HARALD, US

[71] SLOAN VALVE COMPANY, US

[22] 2014-03-14

[41] 2014-09-15

[62] 2,846,529

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[21] **2,957,871**  
[13] A1

[51] **Int.Cl. A47C 21/04 (2006.01) A47C 27/15 (2006.01)**

[25] EN

[54] **BODY SUPPORT WITH FLUID SYSTEM AND METHOD OF OPERATING SAME**

[54] **SUPPORT DE CORPS COMPRENANT UN SYSTEME DE FLUIDE ET PROCEDE DE FONCTIONNEMENT DE CELUI-CI**

[72] MIKKELSEN, TOM D., US

[72] CHANDLER, KELLY W., US

[71] TEMPUR-PEDIC MANAGEMENT, INC., US

[22] 2009-12-18

[41] 2010-07-01

[62] 2,747,970

[30] US (61/139,957) 2008-12-22

[30] US (61/140,773) 2008-12-24

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[13] A1

[51] **Int.Cl. E21B 43/24 (2006.01) E21B 36/00 (2006.01) H05B 6/62 (2006.01)**

[25] EN

[54] **EFFECTIVE SOLVENT EXTRACTION SYSTEM INCORPORATING ELECTROMAGNETIC HEATING**

[54] **SYSTEME EFFICACE D'EXTRACTION PAR SOLVANT IMPLIQUANT UN CHAUFFAGE ELECTROMAGNETIQUE**

[72] CIMOLAI, MAURO, US

[72] EHRESMAN, DERIK, US

[72] TRAUTMAN, MARK, US

[72] EDMUNDS, NEIL, CA

[72] TAYLOR, GEORGE, CA

[71] HARRIS CORPORATION, US

[22] 2010-11-17

[41] 2012-05-24

[62] 2,816,297

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[21] **2,957,895**  
[13] A1

[51] **Int.Cl. E21B 43/24 (2006.01) E21B 36/00 (2006.01) E21B 43/241 (2006.01) H05B 6/62 (2006.01)**

[25] EN

[54] **EFFECTIVE SOLVENT EXTRACTION SYSTEM INCORPORATING ELECTROMAGNETIC HEATING**

[54] **SYSTEME EFFICACE D'EXTRACTION PAR SOLVANT IMPLIQUANT UN CHAUFFAGE ELECTROMAGNETIQUE**

[72] CIMOLAI, MAURO, US

[72] EHRESMAN, DERIK, US

[72] TRAUTMAN, MARK, US

[72] EDMUNDS, NEIL, CA

[72] TAYLOR, GEORGE, CA

[71] HARRIS CORPORATION, US

[22] 2010-11-17

[41] 2012-05-24

[62] 2,816,297

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[21] **2,957,907**  
[13] A1

[51] **Int.Cl. E21B 43/24 (2006.01) E21B 36/00 (2006.01) E21B 43/241 (2006.01) H05B 6/62 (2006.01)**

[25] EN

[54] **EFFECTIVE SOLVENT EXTRACTION SYSTEM INCORPORATING ELECTROMAGNETIC HEATING**

[54] **SYSTEME EFFICACE D'EXTRACTION PAR SOLVANT IMPLIQUANT UN CHAUFFAGE ELECTROMAGNETIQUE**

[72] CIMOLAI, MAURO, US

[72] EHRESMAN, DERIK, US

[72] EDMUNDS, NEIL, CA

[72] TRAUTMAN, MARK, US

[72] TAYLOR, GEORGE, CA

[71] HARRIS CORPORATION, US

[22] 2010-11-17

[41] 2012-05-24

[62] 2,816,297

[21] **2,957,909**  
[13] A1

[51] **Int.Cl. E21B 43/24 (2006.01) E21B 36/00 (2006.01) E21B 43/241 (2006.01) H05B 6/62 (2006.01)**

[25] EN

[54] **EFFECTIVE SOLVENT EXTRACTION SYSTEM INCORPORATING ELECTROMAGNETIC HEATING**

[54] **SYSTEME EFFICACE D'EXTRACTION PAR SOLVANT IMPLIQUANT UN CHAUFFAGE ELECTROMAGNETIQUE**

[72] CIMOLAI, MAURO, US

[72] EHRESMAN, DERIK, US

[72] EDMUNDS, NEIL, CA

[72] TRAUTMAN, MARK, US

[72] TAYLOR, GEORGE, CA

[71] HARRIS CORPORATION, US

[22] 2010-11-17

[41] 2012-05-24

[62] 2,816,297

[21] **2,957,916**  
[13] A1

[51] **Int.Cl. E05F 15/00 (2015.01) E05F 15/611 (2015.01) E21F 17/00 (2006.01)**

[25] EN

[54] **ARTICULATED MINE DOOR OPENING MECHANISM**

[54] **MECANISME ARTICULE D'OUVERTURE DE PORTES DE MINE**

[72] KENNEDY, WILLIAM R., US

[72] KENNEDY, JOHN M., US

[71] JACK KENNEDY METAL PRODUCTS & BUILDINGS, INC., US

[22] 2011-02-09

[41] 2011-08-19

[62] 2,731,472

[30] US (12/708,948) 2010-02-19

[21] **2,957,939**  
[13] A1

[51] **Int.Cl. G06F 21/60 (2013.01) G06F 21/30 (2013.01)**

[25] EN

[54] **REMOTE ACCESS CONTROL OF STORAGE DEVICES**

[54] **COMMANDE D'ACCES A DISTANCE DE DISPOSITIFS DE MEMORISATION**

[72] SADOVSKY, VLADIMIR, US

[72] OLARIG, SOMPONG PAUL, US

[72] LIONETTI, CHRIS, US

[72] HAMILTON, JAMES ROBERT, US

[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US

[22] 2010-06-16

[41] 2010-12-23

[62] 2,760,936

[30] US (12/486,738) 2009-06-17

[21] **2,957,973**  
[13] A1

[51] **Int.Cl. F21V 23/02 (2006.01) F21V 29/70 (2015.01) F21K 9/00 (2016.01) F21K 9/238 (2016.01) F21V 23/00 (2015.01) H05B 37/00 (2006.01) F21V 29/74 (2015.01)**

[25] EN

[54] **LIGHT EMITTING DIODE LUMINAIRE FOR CONNECTION IN SERIES**

[54] **LUMINAIRE A DIODES ELECTROLUMINESCENTES DESTINE A ETRE BRANCHE EN SERIE**

[72] HEBBORN, KEVIN A., US

[72] BOEGE, SAMUAL DAVID, US

[71] DIALIGHT CORPORATION, US

[22] 2012-08-01

[41] 2013-02-07

[62] 2,843,591

[30] US (13/196,277) 2011-08-02

[21] **2,957,986**  
[13] A1

[51] **Int.Cl. A01H 5/00 (2006.01) A01H 1/00 (2006.01) C07K 14/415 (2006.01) C12N 5/10 (2006.01) C12N 15/29 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **BIOTIC AND ABIOTIC STRESS TOLERANCE IN PLANTS**

[54] **TOLERANCE AUX CONTRAINTES BIOTIQUES ET ABIOTIQUES CHEZ LES PLANTES**

[72] GUTTERSON, NEAL I., US

[72] RATCLIFFE, OLIVER, US

[72] QUEEN, EMILY L., US

[72] REUBER, T. LYNNE, US

[72] CENTURY, KAREN S., US

[72] CANALES, ROGER, US

[71] MENDEL BIOTECHNOLOGY, INC., US

[22] 2005-07-29

[41] 2006-03-30

[62] 2,575,597

[30] US (10/903,236) 2004-07-30

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[13] A1  
[51] **Int.Cl. H05K 3/28 (2006.01) H05K 3/34 (2006.01)**  
[25] EN  
[54] **HALO-HYDROCARBON POLYMER COATING**  
[54] **RETEVEMENT DE POLYMERES D'HYDROCARBURE HALOGENE**  
[72] HUMPHRIES, MARK ROBSON, GB  
[72] FERDINANDI, FRANK, GB  
[72] SMITH, RODNEY EDWARD, GB  
[71] SEMBLANT LIMITED, GB  
[22] 2009-08-11  
[41] 2010-02-25  
[62] 2,733,765  
[30] GB (0815094.8) 2008-08-18  
[30] GB (0815095.5) 2008-08-18  
[30] GB (0815096.3) 2008-08-18

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[21] **2,958,005**  
[13] A1  
[51] **Int.Cl. G06Q 10/06 (2012.01) H04Q 3/64 (2006.01)**  
[25] EN  
[54] **TWO STEP ROUTING PROCEDURE IN A CALL CENTER**  
[54] **PROCEDURE D'ACHEMINEMENT EN DEUX ETAPES DANS UN CENTRE D'APPELS**  
[72] CHISHTI, ZIA, BM  
[71] AFINITY INTERNATIONAL HOLDINGS, LTD., BM  
[22] 2009-10-21  
[41] 2010-05-14  
[62] 2,742,958  
[30] US (12/266,461) 2008-11-06  
[30] US (12/266,446) 2008-11-06

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[21] **2,958,024**  
[13] A1  
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 30/02 (2012.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR PROVIDING A PRICE QUOTATION FOR A TRANSPORTATION SERVICE PROVIDING EQUIPMENT SELECTION CAPABILITY**  
[54] **SYSTEME ET METHODE POUR FOURNIR UNE QUOTATION DE PRIX POUR UN SERVICE DE TRANSPORT EN TENANT COMPTE DE L'EQUIPEMENT SELECTIONNE**  
[72] PODGURNY, LEONARD JOHN, CA  
[72] ERNESAKS, ANITA, CA  
[71] CANADIAN NATIONAL RAILWAY COMPANY, CA  
[22] 2002-02-01  
[41] 2003-08-01  
[62] 2,922,551

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[21] **2,958,027**  
[13] A1  
[51] **Int.Cl. H04N 19/593 (2014.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR INTRA PREDICTION WITHIN DISPLAY SCREEN**  
[54] **PROCEDE ET APPAREIL POUR LA PREDICTION INTRA DANS UN ECRAN D'AFFICHAGE**  
[72] KWON, JAE CHEOL, KR  
[72] KIM, JOO YOUNG, KR  
[71] KT CORPORATION, KR  
[22] 2012-05-14  
[41] 2012-11-29  
[62] 2,836,888  
[30] KR (10-2011-0048130) 2011-05-20  
[30] KR (10-2011-0065210) 2011-06-30

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[21] **2,958,146**  
[13] A1  
[51] **Int.Cl. C12N 5/071 (2010.01)**  
[25] EN  
[54] **CULTIVATION OF HAIR INDUCTIVE CELLS**  
[54] **CULTURE DE CELLULES FAVORISANT LA POUSSE DES CHEVEUX**  
[72] TEUMER, JEFFREY KELLER, US  
[72] QIAO, JIZENG, US  
[72] PHILIPS, ERICA, US  
[72] WOLOWACZ, RICHARD GREGORY, GB  
[71] ADERANS RESEARCH INSTITUTE, INC., US  
[22] 2003-11-14  
[41] 2004-05-27  
[62] 2,505,409  
[30] US (60/426,111) 2002-11-14

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[21] **2,958,164**  
[13] A1  
[51] **Int.Cl. G10L 19/06 (2013.01)**  
[25] EN  
[54] **APPARATUS AND METHOD FOR DETERMINING WEIGHTING FUNCTION HAVING LOW COMPLEXITY FOR LINEAR PREDICTIVE CODING (LPC) COEFFICIENTS QUANTIZATION**  
[54] **APPAREIL ET PROCEDE POUR DETERMINER UNE FONCTION DE PONDERATION PEU COMPLEXE DESTINEE A LA QUANTIFICATION DE COEFFICIENTS DE CODAGE PAR PREDICTION LINEAIRE (LPC)**  
[72] SUNG, HO SANG, KR  
[72] OH, EUN MI, KR  
[71] SAMSUNG ELECTRONICS CO., LTD., KR  
[22] 2011-10-18  
[41] 2012-04-26  
[62] 2,814,944  
[30] KR (10-2010-0101305) 2010-10-18

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[21] **2,958,175**  
[13] A1

[51] **Int.Cl. G01N 27/02 (2006.01)**  
[25] EN  
[54] **SEAFOOD PHYSICAL CHARACTERISTIC ESTIMATION SYSTEM AND METHOD**  
[54] **SYSTEME ET METHODE D'ESTIMATION DES CARACTERISTIQUES PHYSIQUES DES ALIMENTS D'ORIGINE MARINE**  
[72] BURKE, TIMOTHY A., CA  
[72] GREGSON, PETER H., CA  
[72] SEKRETTA, GLEB J., CA  
[72] HANKINSON, STEPHEN J.F., CA  
[71] BURKE, TIMOTHY A., CA  
[71] GREGSON, PETER H., CA  
[71] SEKRETTA, GLEB J., CA  
[71] HANKINSON, STEPHEN J.F., CA  
[22] 2008-11-19  
[41] 2009-05-19  
[62] 2,644,200  
[30] US (60/988,905) 2007-11-19

[21] **2,958,185**  
[13] A1

[51] **Int.Cl. C07K 16/00 (2006.01) C07K 16/22 (2006.01) C07K 16/24 (2006.01) C07K 16/28 (2006.01) C07K 16/42 (2006.01) C12N 15/13 (2006.01)**  
[25] EN  
[54] **FC VARIANTS WITH ALTERED BINDING TO FCRN**  
[54] **VARIANTS DE FC AVEC UNE LIAISON ALTEREE A FCRN**  
[72] CHAMBERLAIN, AARON, US  
[72] DAHIYAT, BASSIL, US  
[72] DESJARLAIS, JOHN RUDOLPH, US  
[72] KARKI, SHER BAHADUR, US  
[72] LAZAR, GREGORY ALAN, US  
[71] XENCOR, INC., US  
[22] 2008-12-22  
[41] 2009-07-09  
[62] 2,703,997  
[30] US (61/016,793) 2007-12-26  
[30] US (61/031,353) 2008-02-25  
[30] US (61/046,353) 2008-04-18  
[30] US (61/050,172) 2008-05-02  
[30] US (61/079,779) 2008-07-10  
[30] US (61/099,178) 2008-09-22

[21] **2,958,259**  
[13] A1

[51] **Int.Cl. C12N 15/13 (2006.01) A01K 67/027 (2006.01) C07K 16/00 (2006.01) C12N 5/10 (2006.01) C12N 15/85 (2006.01) C12P 21/00 (2006.01)**  
[25] EN  
[54] **UNGULATES WITH GENETICALLY MODIFIED IMMUNE SYSTEMS**  
[54] **ONGULES DOTES DE SYSTEMES IMMUNITAIRES A MODIFICATION GENETIQUE**  
[72] WELLS, KEVIN, US  
[72] AYARES, DAVID, US  
[71] REVIVICOR, INC., US  
[22] 2005-10-24  
[41] 2006-05-04  
[62] 2,585,098  
[30] US (60/621,433) 2004-10-22

[21] **2,958,333**  
[13] A1

[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/12 (2006.01)**  
[25] EN  
[54] **MEDICAL DEVICE FOR MODIFICATION OF LEFT ATRIAL APPENDAGE AND RELATED SYSTEMS AND METHODS**  
[54] **DISPOSITIF MEDICAL PERMETTANT DE MODIFIER L'APPENDICE AURICULAIRE GAUCHE, PROCEDES ET SYSTEMES ASSOCIES**  
[72] MILES, SCOTT D., US  
[72] DAVIS, CLARK C., US  
[72] EDMISTON, DARYL R., US  
[72] LINDER, RICHARD J., US  
[71] COHEREX MEDICAL, INC., US  
[22] 2010-06-17  
[41] 2010-12-23  
[62] 2,765,682  
[30] US (61/218,018) 2009-06-17  
[30] US (61/294,058) 2010-01-11  
[30] US (61/320,635) 2010-04-02  
[30] US (61/325,230) 2010-04-16  
[30] US (61/345,514) 2010-05-17

[21] **2,958,338**  
[13] A1

[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/12 (2006.01)**  
[25] EN  
[54] **MEDICAL DEVICE FOR MODIFICATION OF LEFT ATRIAL APPENDAGE AND RELATED SYSTEMS AND METHODS**  
[54] **DISPOSITIF MEDICAL PERMETTANT DE MODIFIER L'APPENDICE AURICULAIRE GAUCHE, PROCEDES ET SYSTEMES ASSOCIES**  
[72] MILES, SCOTT D., US  
[72] DAVIS, CLARK C., US  
[72] EDMISTON, DARYL R., US  
[72] LINDER, RICHARD J., US  
[71] COHEREX MEDICAL, INC., US  
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[30] US (61/320,635) 2010-04-02  
[30] US (61/325,230) 2010-04-16  
[30] US (61/345,514) 2010-05-17

[21] **2,958,350**  
[13] A1

[51] **Int.Cl. G10L 19/22 (2013.01)**  
[25] EN  
[54] **SELECTIVE BASS POST FILTER**  
[54] **POST-FILTRE DE BASSES SELECTIF**  
[72] RESCH, BARBARA, SE  
[72] KJORLING, KRISTOFER, SE  
[72] VILLEMOS, LARS, SE  
[71] DOLBY INTERNATIONAL AB, NL  
[22] 2011-06-23  
[41] 2012-01-05  
[62] 2,928,180  
[30] US (61/361237) 2010-07-02

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[21] **2,958,354**  
[13] A1

[51] **Int.Cl. H04M 3/42 (2006.01)**  
[25] EN  
[54] **CUSTOMER PREMISES CALL HANDLING**  
[54] **SYSTEME DE GESTION DES APPELS AUX LOCAUX COMMERCIAUX DU CLIENT**  
[72] FREEMAN, KAREN, CA  
[72] MACPHIE, DAVID ROBERT, CA  
[72] SHEPPARD, NASAHN ADAM, US  
[72] SHORT, JASON EDWARD, US  
[72] GEORGIEV, STEPHAN, CA  
[71] BCE INC., CA  
[22] 2008-06-02  
[41] 2009-07-25  
[62] 2,633,016  
[30] US (12/020,047) 2008-01-25

[21] **2,958,356**  
[13] A1

[51] **Int.Cl. B65H 16/00 (2006.01) A44B 18/00 (2006.01) B65H 19/14 (2006.01) B65H 20/34 (2006.01) B65H 21/00 (2006.01) B65H 39/16 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS OF FEEDING HOOK FASTENING ELEMENTS INTO A MOLD ASSEMBLY LINE**  
[54] **SYSTEMES ET PROCEDES PERMETTANT D'INTRODUIRE DES ELEMENTS DE FIXATION A CROCHETS DANS UNE CHAINE DE MONTAGE DE MOULES**  
[72] SHO, YOSHIYUKI, JP  
[72] NAKATA, YOSHIFUMI, US  
[72] YONESHIMA, HISASHI, JP  
[72] YOSHIDA, TOMONARI, US  
[72] YOSHIDA, TAKANORI, US  
[71] YKK CORPORATION, JP  
[22] 2011-11-03  
[41] 2012-05-10  
[62] 2,816,582  
[30] US (12/940,231) 2010-11-05

[21] **2,958,360**  
[13] A1

[51] **Int.Cl. G10L 19/26 (2013.01)**  
[25] EN  
[54] **SELECTIVE BASS POST FILTER POST-FILTRE DE BASSES SELECTIF**  
[72] RESCH, BARBARA, SE  
[72] KJORLING, KRISTOFER, SE  
[72] VILLEMOES, LARS, SE  
[71] DOLBY INTERNATIONAL AB, NL  
[22] 2011-06-23  
[41] 2012-01-05  
[62] 2,928,180  
[30] US (61/361237) 2010-07-02

[21] **2,958,369**  
[13] A1

[51] **Int.Cl. G06F 17/30 (2006.01)**  
[25] EN  
[54] **A DATABASE SYSTEM WITH DATABASE INDEXES FOR IMPROVED PERFORMANCE**  
[54] **SYSTEME DE BASE DE DONNEES AVEC INDICES DE BASE DE DONNEES POUR UNE PERFORMANCE AMELIOREE**  
[72] STEWART, HOWARD D., US  
[72] RUSSELL, KENNETH, US  
[72] WHITTINGTON, PAUL H., US  
[71] MCAFEE, INC., US  
[22] 2008-03-06  
[41] 2008-09-12  
[62] 2,680,217  
[30] US (11/715,262) 2007-03-06  
[30] US (11/715,263) 2007-03-06  
[30] US (11/715,279) 2007-03-06

[21] **2,958,377**  
[13] A1

[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01)**  
[25] EN  
[54] **SEED METERING ASSEMBLY FOR FARM IMPLEMENT AND HAVING QUICK-CHANGE CAPABILITY AND SECTIONAL CONTROL**  
[54] **DOSEUSE DE GRAINES POUR ACCESSOIRE AGRICOLE DOTE DE CHANGEMENT RAPIDE ET DE COMMANDE SECTIONNELLE**  
[72] FRIGGSTAD, TERRANCE A., CA  
[71] CNH INDUSTRIAL CANADA, LTD., CA  
[22] 2011-08-10  
[41] 2012-07-06  
[62] 2,748,706  
[30] US (12/985,584) 2011-01-06

[21] **2,958,407**  
[13] A1

[51] **Int.Cl. C01B 17/45 (2006.01)**  
[25] EN  
[54] **BROMINE-FACILITATED SYNTHESIS OF FLUORO-SULFUR COMPOUNDS**  
[54] **SYNTHESE FACILITEE PAR LE BROME DE COMPOSES DE FLUORO-SOUFRE**  
[72] WINTER, ROLF, US  
[71] AVANTBIO CORPORATION, US  
[22] 2009-06-11  
[41] 2009-12-17  
[62] 2,912,893  
[30] US (61/060,642) 2008-06-11  
[30] US (61/153,180) 2009-02-17  
[30] US (61/176,674) 2009-05-08

[21] **2,958,422**  
[13] A1

[51] **Int.Cl. A61M 27/00 (2006.01) A61M 1/00 (2006.01)**  
[25] EN  
[54] **SILENCER FOR VACUUM SYSTEM OF A WOUND DRAINAGE APPARATUS**  
[54] **SILENCIEUX POUR SYSTEME DE VIDE D'UN APPAREIL DE DRAINAGE DES PLAIES**  
[72] MIDDLETON, MAX, GB  
[72] JACOB, STEPHEN, GB  
[71] SMITH & NEPHEW PLC, GB  
[22] 2008-06-27  
[41] 2009-01-08  
[62] 2,690,986  
[30] GB (0712739.2) 2007-07-02



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| HULETSKY, ANN                              | 2,906,516 | JANSSEN SCIENCES IRELAND<br>UC                           | 2,734,814 | KANG, YUHONG                        | 2,529,598 |
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| HYDAC PROCESS<br>TECHNOLOGY GMBH           | 2,803,681 | JAPELJ, BOSTJAN                                          | 2,657,543 | KARCHER, JEFFERY DWANE              | 2,855,982 |
| HYDRIL USA<br>MANUFACTURING LLC            | 2,686,730 | JAY, JEAN-CHARLES                                        | 2,774,438 | KARCHON, JAMES A.                   | 2,822,650 |
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| DAHIYAT, BASSIL                         | 2,958,185 |                                                                                   |           | LAMB, FREDERICK WILLIAM,<br>II                      | 2,938,556 |
| DAIMLER AG                              | 2,950,775 |                                                                                   |           | LARSON, ERIC R.                                     | 2,957,045 |
| DAVIS, CLARK C.                         | 2,958,333 |                                                                                   |           |                                                     |           |

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| LAZAR, GREGORY ALAN                                 | 2,958,185 | RUSSELL, KENNETH                          | 2,958,369 | GREGORY            | 2,958,146 |
| LEHIGH TECHNOLOGIES,<br>INC.                        | 2,938,685 | SADOVSKY, VLADIMIR                        | 2,957,939 | XENCOR, INC.       | 2,958,185 |
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| LUGINBUHL, PETER                                    | 2,957,696 | SEKRETTA, GLEB J.                         | 2,958,175 | ZHANG, JIANMING    | 2,939,527 |
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| MARIAKAKIS, LOSIF                                   | 2,938,400 | SHORT, JASON EDWARD                       | 2,958,354 |                    |           |
| MATHESON, DONALD PAUL                               | 2,955,325 | SHROFF, SUMEET                            | 2,957,168 |                    |           |
| MCAFEE, INC.                                        | 2,958,369 | SLOAN VALVE COMPANY                       | 2,957,841 |                    |           |
| MCCANN, RYAN                                        | 2,957,696 | SMITH & NEPHEW PLC                        | 2,958,422 |                    |           |
| MENDEL BIOTECHNOLOGY,<br>INC.                       | 2,957,986 | SMITH, RODNEY EDWARD                      | 2,957,997 |                    |           |
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| ORTHOPEDIC MEDICAL<br>CHANNELS, LLC                 | 2,957,440 | TRAUTMAN, MARK                            | 2,957,891 |                    |           |
| PAKSENSE, INC.                                      | 2,957,045 | TRAUTMAN, MARK                            | 2,957,895 |                    |           |
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| PNEUTOOLS, INC.                                     | 2,938,556 | VISWANATHAN,<br>KRISHNWAMI                | 2,957,327 |                    |           |
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| RIZZO, JOE S.                                       | 2,957,168 |                                           |           |                    |           |
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