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THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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Commissioner of Patents

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Commissaire aux brevets

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

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

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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.

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

1. **Transmittal Fee** (Rule 14)	**$300**
2. **International Filing Fee**	**$1708***
For each additional sheet over 30	**$19**
3. **International Search Fee**	**$1600**

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

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

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

1. **Taxe de transmission** (Règle 14)	**300 $**
2. **Taxe de dépôt internationale**	**1708 $***
Pour chaque feuille au delà de 30	**19 $**
3. **Taxe de recherche internationale**	**1600 $**

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

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

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

4. Late payment fee

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

Preliminary Examination

5. **Handling fee** (Rule 57.2(*a*))	**$257**
6. Preliminary examination fee (Rule 58)	**$800**

* International fees will be reduced by:

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

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

4. Taxe pour paiement tardif

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

Examen préliminaire

5. Taxe de traitement (Règle 57.2*a*))	**257 $**
6. Taxe d'examen préliminaire (Règle 58)	**800 $**

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

Copies of the *Patent Cooperation Treaty Applicants Guide* and the *Patent Cooperation Treaty & Regulations* are available from WIPO - World Intellectual Property Organization at a cost of 200 Swiss Francs and 18 Swiss Francs, respectively.

Those wishing for further information including prices for both previous and current subscriptions should contact WIPO at:

Information Products Section
Post Office Box 18
1211 Geneva 20 Switzerland
Telephone (011 41 22) 338-9618
Facsimile (011 41 22) 740-1812

or by "E-mail" (**publications.mail@wipo.int**) or visit their Web site (**www.wipo.int**).

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

Des copies du *Guide du déposant du PCT* ainsi que du *Traité et des Règlements* sont disponibles auprès de l'OMPI - Organisation mondiale de la propriété intellectuelle au coût de 200 francs suisses et 18 francs suisses, respectivement.

Les personnes qui désirent obtenir de plus amples renseignements, notamment sur le prix des abonnements antérieurs et courants, sont priées de s'adresser directement à :

l'OMPI à la Section des produits d'information
Boîte postale 18
1211 Genève 20 Suisse
Téléphone (011 41 22) 338-9618
Télécopieur (011 41 22) 740-1812

ou par courriel (**publications.mail@wipo.int**) ou visiter leur site Web (**www.wipo.int**).

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

June 20, 2017

This notice will replace all previous notices regarding Correspondence Procedures.

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

1. Physical Delivery of Correspondence to CIPO

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

14. Procédures de correspondance

le 20 juin, 2017

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

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

1. Livraison en personne de correspondance à l'OPIC

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

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

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

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

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

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

Download the Fee Payment Form.

1.1 Designated Establishments

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

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

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

2. Innovation, Science and Economic Development Canada
   Sun Life Building
   1155 Metcalfe Street, Room 950
   Montreal QC H3B 2V6

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

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

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

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

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

Téléchargez le formulaire de paiements.

1.1 Établissements désignés

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

2.1 Facsimile

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

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

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

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

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

Patents

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

2.1 Correspondance par télécopieur

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

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

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

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

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

Brevets

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

2.2 Online

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

Patents

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

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

2.2 En ligne

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

Brevets

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

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

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

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

Marques de commerce

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

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

Copyright

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

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

Droits d'auteur

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

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

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

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

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

Patents

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

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

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

2.3 Supports électroniques

Brevets

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

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

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

application itself or amendment(s) thereof.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

Supports électroniques acceptés par le Bureau des brevets

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

the PCT Administration Instructions.

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

F des Instructions administratives du PCT.

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

3. Details concerning the electronic formats accepted

3. Précisions concernant les formats électroniques acceptés

Patents

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

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

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

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11" or A4.

PDF Format:

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

Brevets

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

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

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

Format TIFF

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

Format PDF

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

ASCII

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

ASCII

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

Industrial Design

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

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

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11";
- Resolution of 300 dpi

Photographs in JPEG Format:

- JPEG compression, Gray Scale 8 bit (256 Shades of Gray);
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11";
- Resolution of 300 dpi

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

Dessins industriels

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

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

Format TIFF :

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

Photographies en format JPEG :

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

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

4. General Information

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

4. Renseignements généraux

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

5. Statutory Holidays

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

5. Jours fériés

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

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

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

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

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

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

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

Time limits under the Patent and Trade-marks Acts

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

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

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

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

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

Time limits under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

i. on which such Office or organization is not open to the public for the purposes of the transaction of official business;

ii. on which ordinary mail is not delivered in the locality in which such Office or organization is situated;

iii. which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or

iv. which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day;

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

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

Délais prévus dans le Traité de coopération en matière de brevets

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

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

i. où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;

ii. où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;

iii. qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou

iv. qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant;

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

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

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

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

Provincial and Territorial Holidays

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

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

Jours fériés provinciaux ou territoriaux

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

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

When CIPO's Offices are closed for business

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

Jours de fermeture des bureaux de l'OPIC au public

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

deposit account number.

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

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

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

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

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

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

Trademarks

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

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

Marques de commerce

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

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

8. Intellectual property acts, rules and regulations

- Copyright Act
- Copyright Regulations
- Industrial Design Act
- Industrial Design Regulations
- Integrated Circuit Topography Act
- Integrated Circuit Topography Regulations
- Interpretation Act
- Patent Act
- Patent Rules
- Regulations under the PCT
- Trade-marks Regulations

8. Lois, règles et règlements sur la propriété intellectuelle

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of April 17, 2018 contains applications open to public inspection from April 1, 2018 to April 7, 2018.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 17 avril 2018 contient les demandes disponibles au public pour consultation pour la période du 1 avril 2018 au 7 avril 2018.

16. Erratum

The information concerning application number 2,588,420 referred to under the section *Canadian Patent Issued* of the *Canadian Patent Office Record* of May 6th, 2014 was incorrect. Please note that no Canadian Patent was issued under this number.

16. Erratum

Les renseignements concernant la demande 2,588,420 sous la rubrique *Brevets canadiens délivrés* de la *Gazette du Bureau des brevets* du 6 mai 2014 sont inexacts. Veuillez noter qu'aucun brevet canadien n'a été émis sous ce numéro.

Canadian Patents Issued

April 17, 2018

Brevets canadiens délivrés

17 avril 2018

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[11] **2,444,747**
[13] C
[51] **Int.Cl. A61K 39/285 (2006.01) C12N 7/00 (2006.01) C12N 7/04 (2006.01)**
[25] EN
[54] **SMALLPOX VACCINE**
[54] **VACCIN CONTRE LA VARIOLE**
[72] WELTZIN, RICHARD A., US
[72] MONATH, THOMAS P., US
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[54] **PROAEROLYSINE CONTENANT DES SEQUENCES D'ACTIVATION DE PROTEASE ET PROCEDES DESTINES AU TRAITEMENT DU CANCER DE LA PROSTATE**
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[54] **COMPOSITION POUR REGULER LES TROUBLES INTESTINAUX COMPORTANT DU SELENIUM, DES PREBIOTIQUES, DES PHOSPHATIDES ET DES FLAVONOLS ET PROCEDES D'UTILISATION DE CELLE-CI**
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[54] **MATERIALS AND METHODS FOR DELIVERING COMPOSITIONS TO SELECTED TISSUES**
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[54] **COMPOSES TRICYCLIQUES AYANT UNE ACTIVITE CYTOSTATIQUE ET/OU CYTOTOXIQUE ET LEURS PROCEDES D'UTILISATION**
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[54] **PROCEDES ASSOCIES A FGF9 PERMETTANT DE TRAITER L'ANXIETE**
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[54] **A POLYMERIZATION-CURABLE COMPOSITION FOR THE PREPARATION OF BIODEGRADABLE, BIOCOMPATIBLE, CROSS-LINKED POLYMERS ON A POLYVINYL ALCOHOL BASIS**
[54] **COMPOSITION DURCISSABLE PAR POLYMERISATION POUR LA FABRICATION DE POLYMERES RETICULES BIOCOMPATIBLES ET BIODEGRADABLES A BASE D'ALCOOL POLYVINYLIQUE**
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[72] VARGA, FRANZ, AT
[72] GRUBER, HEINRICH, AT
[72] BAUDIS, STEFAN, AT
[72] HELLER, CHRISTIAN, AT
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[54] **SUPPORTED KETIMIDE CATALYSTS FOR IMPROVED REACTOR CONTINUITY**
[54] **CATALYSEURS DE CETIMIDE SUPPORTES DESTINES A AMELIORER LA CONTINUITE DU REACTEUR**
[72] HENDERSON, LEE DOUGLAS, CA
[72] GAO, XIAOLIANG, CA
[72] HOANG, PETER PHUNG MINH, CA
[72] JOBE, IAN RONALD, CA
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[73] PINEL MEDICAL INC., CA
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[54] **WATER BASED SLURRY COMPOSITIONS FOR MAKING ENVIRONMENTAL BARRIER COATINGS AND ENVIRONMENTAL BARRIER COATINGS COMPRISING THE SAME**
[54] **COMPOSITIONS DE BOUES A BASE D'EAU PERMETTANT DE FABRIQUER DES REVETEMENTS DE BARRIERE ENVIRONNEMENTALE ET REVETEMENTS DE BARRIERE ENVIRONNEMENTALE Y FAISANT APPEL**
[72] KIRBY, GLEN HAROLD, US
[72] BOUTWELL, BRETT ALLEN, US
[72] SUBIT, JESSICA L., US
[73] GENERAL ELECTRIC COMPANY, US
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[87] (2710933)
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[51] **Int.Cl. C09D 1/00 (2006.01) C23C 24/00 (2006.01)**
[25] EN
[54] **METHOD FOR MAKING SOLVENT BASED ENVIRONMENTAL BARRIER COATINGS USING SINTERING AIDS**
[54] **METHODE PERMETTANT LA FABRICATION DE REVETEMENTS DE BARRIERE ENVIRONNEMENTALE A BASE DE SOLVANT EN UTILISANT DES ADDITIVES DE FRITTAGE**
[72] KIRBY, GLEN HAROLD, US
[72] BOUTWELL, BRETT ALLEN, US
[73] GENERAL ELECTRIC COMPANY, US
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[54] **METHODS FOR MAKING WATER BASED ENVIRONMENTAL BARRIER COATINGS USING SINTERING AIDS**
[54] **METHODES PERMETTANT LA FABRICATION DE REVETEMENTS DE BARRIERE ENVIRONNEMENTALE A BASE D'EAU EN UTILISANT DES AGENTS DE FRITTAGE**
[72] KIRBY, GLEN HAROLD, US
[72] BOUTWELL, BRETT ALLEN, US
[72] SUBIT, JESSICA L., US
[73] GENERAL ELECTRIC COMPANY, US
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[25] EN
[54] **MULTI MODAL METHOD AND SYSTEM FOR TRANSMITTING INFORMATION ABOUT A SUBJECT**
[54] **METHODE ET SYSTEME MULTIMODAUX POUR LA TRANSMISSION DE DONNEES SUR UN SUJET**
[72] DERCHAK, P. ALEXANDER, US
[73] ADIDAS AG, DE
[86] (2714103)
[87] (2714103)
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[30] US (61/275,587) 2009-09-01
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[25] EN
[54] **APPARATUS FOR STRIPPING OFF MATERIAL FROM A CONVEYOR BELT OF A BELT CONVEYOR**
[54] **DISPOSITIF DE RACLAGE DE MATERIAU SUR LA BANDE TRANSPORTEUSE D'UN TRANSPORTEUR A BANDE**
[72] DUENNWALD, WILFRIED, DE
[73] SCRAPETEC GMBH, DE
[85] 2010-09-15
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[51] **Int.Cl. G01F 23/292 (2006.01) F25D 23/12 (2006.01)**
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[54] **ICE LEVEL SENSING SYSTEM**
[54] **SYSTEME DE DETECTION DE NIVEAU DE GLACE**
[72] SNIDER, BRYAN W., US
[72] AUSTIN, MARTIN NICHOLAS, US
[73] HAIER US APPLIANCE SOLUTIONS, INC., US
[86] (2719678)
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[54] **PRINTING PRESS, FOLDER, AND METHODS OF OPERATION**
[54] **PRESSE D'IMPRESSION, PLIEUSE ET PROCEDES DE FONCTIONNEMENT**
[72] DIGENOVA, PHILLIP, US
[73] PRESSLINE SERVICES, INC., US
[85] 2010-09-27
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[25] EN
[54] **METHOD FOR FULL-BANDWIDTH SOURCE DEGHOSTING OF MARINE SEISMIC STREAMER DATA**
[54] **METHODE D'ELIMINATION A LARGEUR DE BANDE COMPLETE DES DONNEES DE FLUTE SISMIQUE MARINE**
[72] VAN BORSELEN, ROALD G., NL
[72] RIYANTI, CHRISTINA D., NL
[72] PAGE, CHRISTOPHER P., NL
[72] FOKKEMA, JACOB T., NL
[72] VAN DEN BERG, PETER M., NL
[73] PGS GEOPHYSICAL AS, NO
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[25] EN
[54] **A MIXTURE OF MAGNETICALLY ORIENTABLE COLOR SHIFTING FLAKES AND NON-MAGNETICALLY ORIENTABLE COLOR SHIFTING FLAKES EXHIBITING A COMMON COLOR**
[54] **MELANGE DE PAILLETTES AUX COULEURS CHANGEANTES ORIENTABLES PAR VOIE MAGNETIQUE ET DE PAILLETTES AUX COULEURS CHANGEANTES NON ORIENTABLES PAR VOIE MAGNETIQUE AFFICHANT UNE COULEUR UNIFORME**
[72] RAKSHA, VLADIMIR P., US
[72] NOFI, MICHAEL R., US
[72] MARKANTES, CHARLES T., US
[72] COOMBS, PAUL G., US
[73] VIAVI SOLUTIONS INC., US
[86] (2721667)
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[54] **MULTIWELL PLATE AND LID**
[54] **PLAQUE ET COUVERCLE MULTIPUITS**
[72] BELZ, RENATO, CH
[72] THALMANN, CHRISTIAN, CH
[73] F. HOFFMANN-LA ROCHE AG, CH
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[25] EN
[54] **POLYSACCHARIDE-PROTEIN CONJUGATES REVERSIBLY COUPLED VIA IMINE BONDS**
[54] **CONJUGUES POLYSACCHARIDE-PROTEINE COUPLES DE MANIERE REVERSIBLE PAR DES LIAISONS IMINE**
[72] ADAMSON, GORD, CA
[72] BELL, DAVID, CA
[72] BROOKES, STEVEN, CA
[73] THERAPURE BIOPHARMA INC., CA
[85] 2010-12-14
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[54] **POROUS SOLID PHASE FOR BINDING ASSAY, AND BINDING ASSAY METHOD USING THE SAME**
[54] **PHASE SOLIDE POREUSE POUR ESSAI DE LIAISON, ET PROCEDE D'ESSAI DE LIAISON L'UTILISANT**
[72] YOSHIMIZU, MIWAKO, JP
[72] KONDO, MAYUMI, JP
[72] TANNO, MASASHI, JP
[73] SEKISUI MEDICAL CO., LTD., JP
[85] 2010-12-21
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[54] **COGNITIVE WIRELESS SYSTEM**
[54] **SYSTEME SANS FIL COGNITIF**
[72] LEBLANC, LAWRENCE JOSEPH, CA
[72] HO, EDDIE SHEK CHEUNG, CA
[72] MOIR, KIRK ARNOLD, CA
[73] SIERRA WIRELESS, INC., CA
[85] 2011-01-07
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[87] (WO2010/004510)
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[25] EN
[54] **CONVEYING SYSTEM FOR PLASTIC MATERIAL CONTAINERS**
[54] **SYSTEME DE TRANSPORT POUR CONTENANTS EN MATIERE PLASTIQUE**
[72] ZOPPAS, MATTEO, IT
[72] GRANDO, ADRIAN, IT
[73] S.I.P.A. SOCIETA INDUSTRIALIZZAZIONE PROGETTAZIONE E AUTOMAZIONE S.P.A., IT
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[54] **DATA TRANSLATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE CONVERSION DE DONNEES**
[72] LINDEMANN, STIG, DK
[72] NIELSEN, MADS KOLDING, DK
[73] MICRO MOTION, INC., US
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[54] **IRRADIATION TARGET POSITIONING DEVICES AND METHODS OF USING THE SAME**
[54] **DISPOSITIFS DE POSITIONNEMENT DE CIBLES D'IRRADIATION ET LEURS PROCEDES D'UTILISATION**
[72] RUSSELL II, WILLIAM EARL, US
[72] HATTON, HEATHER J., US
[72] ALLEN, MELISSA, US
[72] HLADIK, MELISSA LYNN, US
[72] LAFOUNTAIN, SAMUEL JOHN, US
[72] TORRES, LUIS ALBERTO, US
[72] DITTMER, ERICK W., US
[73] GE-HITACHI NUCLEAR ENERGY AMERICAS LLC, US
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[54] **SIGNAGE SYSTEM AND METHOD FOR DISPLAYING MERCHANDISE ON SHELVES**
[54] **SYSTEME ET PROCEDE D'ETALAGE DE MARCHANDISES SUR DES RAYONS**
[72] RICCI, JOHN, CA
[72] BORGES, FRANK, CA
[73] DANA INDUSTRIES INC., CA
[86] (2733279)
[87] (2733279)
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[54] **COLLOIDAL NANOCRYSTAL ENSEMBLES WITH NARROW LINEWIDTH BAND GAP PHOTOLUMINESCENCE AND METHODS OF SYNTHESIZING COLLOIDAL SEMICONDUCTOR NANOCRYSTALS**
[54] **ENSEMBLES DE NANOCRISTAUX COLLOIDAUX A PHOTOLUMINESCENCE EN BANDE INTERDITE A RAIE ETROITE ET PROCEDES DE SYNTHESE DE NANOCRISTAUX SEMI-CONDUCTEURS COLLOIDAUX**
[72] YU, KUI, CA
[72] OUYANG, JIANYING, CA
[73] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2011-02-09
[86] 2009-08-11 (PCT/CA2009/001127)
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[54] **SURGICAL CONSOLE AND HAND-HELD SURGICAL DEVICE**
[54] **CONSOLE CHIRURGICALE ET DISPOSITIF CHIRURGICAL PORTATIF**
[72] MALINOUSKAS, DONALD, US
[72] ZEICHNER, DAVID A., US
[72] WHITMAN, MICHAEL P., US
[72] NICHOLAS, DAVID A., US
[72] CHEN, XINGRUI, US
[73] TYCO HEALTHCARE GROUP LP, US
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[54] **FILM-FORM PREPARATION AND METHOD FOR PRODUCING THE SAME**
[54] **PREPARATION EN FORME DE FILM ET SON PROCEDE DE FABRICATION**
[72] ASARI, DAISUKE, JP
[72] HORI, MITSUHIKO, JP
[72] SHISHIDO, TAKUYA, JP
[73] NITTO DENKO CORPORATION, JP
[86] (2735592)
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[54] **PROCEDE ET INSTALLATION DE TRANSFORMATION DE POISSON**
[72] HANSEN, HENNING INGEMANN, DK
[73] CABINPLANT A/S, DK
[85] 2011-04-08
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[54] **PLOW BLADE WING**
[54] **AILE POUR PALE DE CHASSE-NEIGE**
[72] KNOTT, CHARLES O., CA
[72] KIRK, BRIAN, CA
[73] KNOTT, CHARLES O., CA
[86] (2742443)
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[54] **ACTIVE INTERFERENCE SUPPRESSION IN A STEERED-BEAM SATELLITE COMMUNICATION SYSTEM**
[54] **SUPPRESSION ACTIVE DE BROUILLAGE DANS UN SYSTEME DE COMMUNICATION PAR SATELLITE A FAISCEAU DIRIGE**
[72] NORRIDGE, PAUL STEPHEN, GB
[72] HOWE, DAVID MICHAEL, GB
[72] CRAIG, ANTONY DUNCAN, GB
[73] ASTRIUM LIMITED, GB
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[54] **VARIANTS OF ACTIVIN IIB RECEPTOR POLYPEPTIDES AND USES THEREOF**
[54] **VARIANTES DES POLYPEPTIDES DU RECEPTEUR IIB DE L'ACTIVINE ET LEURS UTILISATIONS**
[72] SUN, JEONGHOON, US
[72] TAM, LEI-TING TONY, US
[72] MICHAELS, MARK LEO, US
[72] BOONE, THOMAS C., US
[72] DESHPANDE, ROHINI, US
[72] LI, YUE-SHENG, US
[72] HAN, HQ, US
[73] AMGEN INC., US
[85] 2011-05-16
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[54] **DEVICE FOR NEEDLE BIOPSY WITH INTEGRATED NEEDLE PROTECTION**
[54] **DISPOSITIF POUR UNE BIOPSIE PAR AIGUILLE AVEC PROTECTION D'AIGUILLE INTEGREE**
[72] MUGAN, JOHN, IE
[72] MURPHY, BRIAN, IE
[72] MCWEENEY, JOHN, US
[73] COVIDIEN LP, US
[85] 2011-05-25
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[54] **SYNTHESIS OF RARE EARTH METAL EXTRACTANT**
[54] **SYNTHESE D'AGENT D'EXTRACTION DE METAUX DU GROUPE DES TERRES RARES**
[72] SAKAKI, KAZUAKI, JP
[72] SUGAHARA, HIROTO, JP
[72] OHASHI, TETSUYA, JP
[72] KUME, TETSUYA, JP
[72] IKKA, MASAHIKO, JP
[72] NAGANAWA, HIROCHIKA, JP
[72] SHIMOJO, KOJIRO, JP
[73] SHIN-ETSU CHEMICAL CO., LTD., JP
[73] NISSIN CHEMICAL INDUSTRY CO., LTD., JP
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[87] (2745229)
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[54] **PROCESS FOR COATING METALLIC SURFACES WITH AN ACTIVATING AGENT PRIOR TO PHOSPHATING**
[54] **PROCEDE DE REVETEMENT DE SURFACES METALLIQUES AU MOYEN D'UN MOYEN ACTIVATEUR AVANT LA PHOSPHATATION**
[72] KOLBERG, THOMAS, DE
[72] SCHOENFELDER, ECKART, DE
[72] DAHLENBURG, OLAF, DE
[72] WALTER, MANFRED, DE
[73] CHEMETALL GMBH, DE
[85] 2011-06-07
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[54] **ANTI-VIRAL PROTECTION WITH VIRUSES CONTAINING A DEFECTIVE GENOME**
[54] **PROTECTION ANTIVIRALE PRODUITE A L'AIDE DE VIRUS CONTENANT DES SEGMENTS DE GENOME DEFECTUEUX**
[72] DIMMOCK, NIGEL, GB
[72] EASTON, ANDREW, US
[73] THE UNIVERSITY OF WARWICK, GB
[85] 2011-06-10
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[25] EN
[54] **FIELD DEVICE FOR DETERMINING AND/OR MONITORING A PHYSICAL OR CHEMICAL PROCESS VARIABLE**
[54] **APPAREIL DE TERRAIN POUR LA DETERMINATION ET/OU LA SURVEILLANCE D'UNE GRANDEUR PHYSIQUE OU CHIMIQUE D'UN PROCESSUS**
[72] FIEDLER, MARC, CH
[73] ENDRESS+HAUSER PROCESS SOLUTIONS AG, CH
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[86] 2009-11-20 (PCT/EP2009/065531)
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[25] EN
[54] **FOOTWEAR INSOLE FOR ALLEVIATING ARTHRITIS PAIN**
[54] **SEMELLE DE CHAUSSURE DESTINEE A SOULAGER UNE DOULEUR D'ARTHRITE**
[72] AVENT, RICHARD T., US
[72] CAPPAERT, JANE M., US
[72] LUNDY, CHARLES E., JR., US
[73] BAYER CONSUMER CARE AG, CH
[85] 2011-06-21
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[54] **METHOD FOR PRETREATING SPECIMEN AND METHOD FOR ASSAYING BIOLOGICAL SUBSTANCE**
[54] **PROCEDE DE PRETRAITEMENT D'ECHANTILLON ET PROCEDE D'ANALYSE DE SUBSTANCE BIOLOGIQUE**
[72] TAJIMA, HIDEJI, JP
[73] UNIVERSAL BIO RESEARCH CO., LTD., JP
[85] 2011-06-23
[86] 2009-12-25 (PCT/JP2009/071678)
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[30] JP (2008-331219) 2008-12-25
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[54] **IMPREGNATION PAR INFUSION DE RESINE**
[72] BAREFIELD, KEVIN, US
[72] CAMPBELL, RICHARD, US
[73] BRIGHT TECHNOLOGIES, LLC, US
[85] 2011-06-27
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[72] CERIER, JEFFREY, US
[72] FORTIER, RICHARD, US
[72] REZAC, DAVID, US
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[73] MICROMASS UK LIMITED, GB
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[54] **DEVICE, METHOD AND PROGRAM FOR IMAGE PREDICTION ENCODING, DEVICE, METHOD AND PROGRAM FOR IMAGE PREDICTION DECODING, AND ENCODING/DECODING SYSTEM AND METHOD**
[54] **DISPOSITIF, PROCEDE ET PROGRAMME POUR UN CODAGE DE PREVISION D'IMAGE, DISPOSITIF, PROCEDE ET PROGRAMME POUR UN DECODAGE DE PREVISION D'IMAGE, SYSTEME ET PROCEDE DE CODAGE/DECODAGE**
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[54] **PROCEDE D'ANALYSE DE L'APS, ET PROCEDE POUR DIFFERENCIER UN CANCER DE LA PROSTATE D'UNE PROSTATOMEGALIE EMPLOYANT LE PROCEDE D'ANALYSE**
[72] YAMASHITA, KATSUKO, JP
[72] FUKUSHIMA, KEIKO, JP
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[72] SATOH, TAKEFUMI, JP
[73] TOKYO INSTITUTE OF TECHNOLOGY, JP
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[73] CORNELL UNIVERSITY, US
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[72] ELMBLAD, KYLE JAMES, US
[72] QUICK, STUART WILLIAM, US
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[54] **APPARATUS AND METHOD FOR DRY CYCLE COMPLETION CONTROL IN HEAT PUMP DRYER BY DECLINING CAPACITY INDICATION BY ROLLING AVERAGE COMPRESSOR WATTS OR HEAT EXCHANGER PRESSURE OR TEMPERATURE**
[54] **APPAREIL ET METHODE DE CONTROLE DE CYCLE SEC COMPLET DANS UN SECHOIR A POMPE A CHALEUR EN DIMINUANT L'INDICATION DE CAPACITE EN FONCTIONNANT A LA VALEUR MOYENNE DE PUISSANCE DU COMPRESSEUR OU DE PRESSION OU DE TEMPERATURE DE LA POMPE A CHALEUR**
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[72] HENSLEY, AMELIA LEAR, US
[72] OKRUCH, NICHOLAS, JR., US
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[54] **COMMANDE DE RESOLUTION DE PANNE ELECTRO-HYDRAULIQUE POUR TRANSMISSION A DOUBLE EMBRAYAGE**
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[73] ALLISON TRANSMISSION, INC., US
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[54] **PROCEDE ET APPAREIL AMELIORES D'AMENEE DE COULIS DE CIMENT POUR PANNEAUX STRUCTURAUX DE CIMENT RENFORCES PAR DES FIBRES**
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[72] BLYSKIS, ALFREDAS, US
[73] UNITED STATES GYPSUM COMPANY, US
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[72] GILMORE, TIMOTHY JACK, US
[72] DANGLER, WADE ANTHONY, US
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[54] **COMPOSES DE PYRAZOLOPYRIDINE ET LEUR UTILISATION EN TANT QU'INHIBITEURS DE LRRK2**
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[54] **APPAREIL ELECTRIQUE, ENSEMBLE DE GERBAGE ET COUPLAGE CONNEXE**
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[72] BEAVER, JON CHRISTOPHER, US
[73] EATON CORPORATION, US
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[54] **DISPOSITIFS DE LIGATURE TISSULAIRE ET LEURS COMMANDES**
[72] FUNG, GREGORY W., US
[72] SEIBER, RUSSELL A., US
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[54] **GESTION DES ACCUSES DE RECEPTION LORS DU TRAITEMENT DE MESSAGES A COMPOSANTS TRANSVERSAUX**
[72] VATS, NIKHIL, CA
[72] SINGH, RAVI, CA
[72] SHERKIN, ALEXANDER, CA
[72] ADAMS, NEIL PATRICK, CA
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[54] **PROCEDE DE PRODUCTION D'UNE SOLUTION BORIQUE STABLE**
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[73] TRIBORON INTERNATIONAL AB, SE
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[54] **ACTIONNEUR LINEAIRE ET SA METHODE D'EXPLOITATION**
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[73] WOODWARD HRT, INC., US
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[54] **METHYL SULFANYL PYRMIDMES USEFUL AS ANTIINFLAMMATORIES, ANALGESICS, AND ANTIEPILEPTICS**
[54] **METHYLSULFANYLPYRIMIDINES UTILES EN TANT QU'AGENTS ANTI-INFLAMMATOIRES, ANALGESIQUES, ET ANTI-EPILEPTIQUES**
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[72] GAGNON, MARTIN, CA
[73] UNIVERSITE LAVAL, CA
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[54] **SYSTEME DE CIGARETTES CHAUFFE ELECTRIQUEMENT**
[72] FERNANDO, FELIX, GB
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[72] STAHLE, FREDRIK, SE
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[54] **PROCEDE DE REFROIDISSEMENT D'UN FOUR METALLURGIQUE**
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[54] **OPTIMISATION DE STRUCTURES SOUMISES A DES FLUX DE GAZ CHAUDS**
[72] GOMEZ, JOSE JAVIER ALMENDROS, ES
[72] HURTADO, YOLANDA DE GREGORIO, ES
[73] AIRBUS OPERATIONS S.L., ES
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[54] **VEHICULE A SIEGES COTE A COTE**
[72] DECKARD, AARON D., US
[72] SAFRANSKI, BRIAN M., US
[72] SUNSDAHL, RICHARD L., US
[72] SCHNEIDER, MICHAEL D., US
[72] HANTEN, MICHAEL J., US
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[54] **CASSETTE COMPORTANT ENSEMBLE A PERFUSION QUI CONTIENT UNE SOUPAPE A BILLE POUR POMPE A PERFUSION PERISTALTIQUE**
[72] WEST, DAVID WOODRUFF, US
[72] HIGGINS, JAMES ALLEN, US
[72] HARIHARESAN, SERALAATHAN, US
[72] HALBERT, ALAN P., US
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[54] **CONJUGUES OLIGOMERES-AGONISTES OPIOIDES**
[72] RIGGS-SAUTHIER, JENNIFER, US
[72] DENG, BO-LIANG, US
[72] RILEY, TIMOTHY A., US
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[54] **APPAREIL ET PROCEDE D'ALIGNEMENT DE DEUX IMAGES MEDICALES**
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[54] **COMPLETION DE FRACTURATION MULTIZONE**
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[73] BAKER HUGHES INCORPORATED, US
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[54] **CONNECTEUR POUR CANALISATION ELECTRIQUE QUATRE POSITIONS**
[72] BYRNE, NORMAN R., US
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[86] (2770638)
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[54] **APPAREIL DE BIO-DENITRIFICATION ET PROCEDE DE FABRICATION ET D'UTILISATION DE CELUI-CI**
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[72] STICKNEY, ALAN RAY, CA
[73] KINDER MORGAN OPERATING L.P."C", US
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[54] **ACTIONNEUR POUR DEPLACER UN ELEMENT MICROMECANIQUE**
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[72] JOHANSEN, IB-RUNE, NO
[72] VOGL, ANDREAS, NO
[72] TYHOLDT, FRODE, NO
[72] WANG, DAG THORSTEIN, NO
[73] SINTEF, NO
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[54] **SYSTEME DE CONSTRUCTION COMPORTANT UN MATERIAU ISOLANT AMELIORE**
[72] MILOSTIC, ANTHONY, AU
[73] JAMES HARDIE TECHNOLOGY LIMITED, IE
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[54] **MOBILE TERMINATED COMMUNICATION METHOD AND RELATED DEVICES**
[54] **PROCEDE DE COMMUNICATION A DESTINATION D'UN MOBILE ET DISPOSITIFS CORRESPONDANTS**
[72] STOJANOVSKI, SASO, FR
[72] VEDRINE, ARNAUD, FR
[73] LG ELECTRONICS INC., KR
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[54] **PARTICULES NANOMETRIQUES DE LATEX HYDROGENE A BASE DE DIENES**
[72] PAN, QINMIN, CA
[72] REMPEL, GARRY L., CA
[73] UNIVERSITY OF WATERLOO, CA
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[25] EN
[54] **HETEROCYCLIC DERIVATIVES AS INHIBITORS OF GLUTAMINYL CYCLASE**
[54] **DERIVES HETEROCYCLIQUES EN TANT QU'INHIBITEURS DE GLUTAMINYLE CYCLASE**
[72] HEISER, ULRICH, DE
[72] SOMMER, ROBERT, DE
[72] RAMSBECK, DANIEL, DE
[72] MEYER, ANTJE, DE
[72] HOFFMANN, TORSTEN, DE
[72] BOEHME, LIVIA, DE
[72] DEMUTH, HANS-ULRICH, DE
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[54] **COMPOSITIONS AND METHODS FOR CONTROLLING THE STABILITY OF ETHERSULFATE SURFACTANTS AT ELEVATED TEMPERATURES**
[54] **COMPOSITIONS ET PROCEDES POUR REGULER LA STABILITE DE TENSIOACTIFS D'ETHERSULFATE A DES TEMPERATURES ELEVEES**
[72] WEERASOORIYA, UPALI P., US
[72] POPE, GARY A., US
[72] NGUYEN, QUOC P., US
[73] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
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[54] **NOVEL METHOD FOR PREPARING POLYOLS AND PRODUCTS OBTAINED**
[54] **NOUVEAU PROCEDE DE PREPARATION DE POLYOLS ET PRODUITS TELS QU'OBTENUS**
[72] CRAMAIL, HENRI, FR
[72] BOYER, AURELIE, FR
[72] CLOUTET, ERIC, FR
[72] BAKHIYI, RACHIDA, FR
[72] ALFOS, CARINE, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.R.S.), FR
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[25] EN
[54] **GASIFICATION COOLING SYSTEM HAVING SEAL**
[54] **SYSTEME DE REFROIDISSEMENT POUR LA GAZEIFICATION MUNI D'UN JOINT D'ETANCHEITE**
[72] ABBASI, YASIR HAFEEZ, US
[72] GUO, CLIFF YI, US
[72] TABER, WADE ALBERT, US
[72] ZHANG, XINYUAN, US
[73] GENERAL ELECTRIC COMPANY, US
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[54] **WILDLIFE GUARD COVER FOR ELECTRICAL INSTALLATIONS**
[54] **ELEMENT DE PROTECTION DE LA FAUNE ET DE LA FLORE POUR INSTALLATIONS ELECTRIQUES**
[72] FRYE, TERRY EDWARD, US
[73] TE CONNECTIVITY CORPORATION, US
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[54] **APPAREIL ET PROCEDE D'EXCAVATION**
[72] FLUHARTY, JOHN WALTER, US
[72] FLUHARTY, JAY WENDELL, US
[72] QUACKENBUSH, KARL D., US
[72] HAHN, RICHARD A., US
[73] QUANTA ASSOCIATES, L.P., US
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[54] **VETEMENT DE SPORT PROTECTEUR**
[72] CONTANT, MATHIEU, CA
[72] BEAUREGARD, MARCO, CA
[72] GENEREUX, MARIE-CLAUDE, CA
[72] LEBLANC, ALEXANDRE, CA
[73] BAUER HOCKEY LTD., CA
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[25] EN
[54] **A WATER BASED PAINTBALL AND METHOD FOR FABRICATING WATER BASED PAINTBALLS**
[54] **UNE BALLE DE PEINTURE A BASE D'EAU ET METHODE DE FABRICATION DE BALLES DE PEINTURE A BASE D'EAU**
[72] CIESIUN, PAUL, US
[72] BAYLESS, RONNIE, US
[73] BAYLESS TECHNOLOGIES, INC., US
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[54] **SYNTHETIC RESIN BOTTLE, AND A COMBINATION OF REGULARLY USED CONTAINER AND REFILL CONTAINER**
[54] **BOUTEILLE EN RESINE SYNTHETIQUE ET UNE COMBINAISON DE CONTENANT UTILISE NORMALEMENT ET DE CONTENANT DE RECHARGEE**
[72] TSUDA, NAOKI, JP
[72] SASAKI, TSUYOSHI, JP
[73] YOSHINO KOGYOSHO CO., LTD., JP
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[54] **NOUVELLE THERAPIE ANTIPARASITAIRE**
[72] BORODY, THOMAS JULIUS, AU
[73] BORODY, THOMAS JULIUS, AU
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[25] EN
[54] **METHOD OF EMBEDDING MATERIAL IN A GLASS SUBSTRATE**
[54] **PROCEDE D'ENCASTREMENT D'UN MATERIAU DANS UN SUBSTRAT DE VERRE**
[72] HAQUE, RAZI-UL, US
[72] WISE, KENSALL, US
[73] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US
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[54] **FLUX ADDITION AS A FILTER CONDITIONER**
[54] **ADDITION D'UN FONDANT EN TANT QUE CONDITIONNEUR DE FILTRATION**
[72] TROXCLAIR EMILE J., III, US
[73] LUMMUS TECHNOLOGY, INC., US
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[54] **IMPROVED PROCESS FOR PREPARING SOLUBLE GRANULES OF SALTS OF PYRIDINE CONTAINING CARBOXYLIC ACIDS**
[54] **PROCEDE AMELIORE DE PREPARATION DE GRANULES SOLUBLES DE SELS D'ACIDES CARBOXYLIQUES CONTENANT DE LA PYRIDINE**
[72] KEENEY, FRANKLIN N., US
[72] FOSTER, NEIL A., FR
[72] LOGAN, MARTIN C., US
[72] PERRY, MARIA G., US
[73] DOW AGROSCIENCES LLC, US
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[25] EN
[54] **APPARATUS, SYSTEM, AND METHOD FOR MEASURING CHOPPED WOOD**
[54] **APPAREIL, SYSTEM ET METHODE DE MESURE DU BOIS COUPE**
[72] BEBOUT, CLIFFORD K., IV, US
[73] BEBOUT, CLIFFORD K., IV, US
[86] (2780630)
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[54] **SPACE CONDITIONING SYSTEM WITH HOT GAS REHEAT, AND METHOD OF OPERATING THE SAME**
[54] **SYSTEME DE CONDITIONNEMENT D'AIR AVEC RECHAUFFAGE DE GAZ CHAUD ET PROCEDE DE FONCTIONNEMENT DE CELUI-CI**
[72] HUA, YI, US
[73] MODINE MANUFACTURING COMPANY, US
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[54] **THERMAL DESTRUCTION METHOD AND DEVICE FOR ORGANIC COMPOUNDS BY AN INDUCTION PLASMA.**
[54] **PROCEDE ET DISPOSITIF DE DESTRUCTION THERMIQUE DE COMPOSES ORGANIQUES PAR UN PLASMA D'INDUCTION.**
[72] LEMONT, FLORENT, FR
[72] POIZOT, KARINE, FR
[73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2012-05-24
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[54] **CARBON CATALYST FOR DECOMPOSITION OF HAZARDOUS SUBSTANCE, HAZARDOUS-SUBSTANCE-DECOMPOSING MATERIAL, AND METHOD FOR DECOMPOSITION OF HAZARDOUS SUBSTANCE**
[54] **CATALYSEUR AU CARBONE POUR DECOMPOSER UNE SUBSTANCE DANGEREUSE, MATERIAU DECOMPOSANT UNE SUBSTANCE DANGEREUSE, ET PROCEDE POUR DECOMPOSER UNE SUBSTANCE DANGEREUSE**
[72] KATO, YASUHARU, JP
[72] KUBOTA, YUJI, JP
[72] HORIGUCHI, SHINICHI, JP
[72] MAEBA, EMIKO, JP
[72] IIZUKA, MAMI, JP
[73] NISSHINBO HOLDINGS INC., JP
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[54] **REKEYABLE LOCK CYLINDER, REKEYABLE PADLOCK AND METHOD OF REKEYING**
[54] **BARILLET DE SERRURE ET CADENAS REPROGRAMMABLES ET METHODE DE REPROGRAMMATION**
[72] FAN, WAI KUEN, HK
[72] GARTHE, BERNHARD, DE
[73] ABUS AUGUST BREMICKER SOEHNE KG, DE
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[25] EN
[54] **CHLOROPRENE POLYMER LATEX COMPOSITION AND USE THEREOF**
[54] **COMPOSITION DE LATEX DE POLYMERE DE CHLOROPRENE ET SON UTILISATION**
[72] MINORIKAWA, NAOKI, JP
[72] TAKENOSHITA, YOUICHIRO, JP
[72] SUZUKI, ERIKA, JP
[73] SHOWA DENKO K.K., JP
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[25] EN
[54] **METHODS FOR MAKING A HOLLOW FIBER FILTRATION APPARATUS ENCLOSED BY TWO THERMOPLASTIC PARTS**
[54] **PROCEDES DE FABRICATION D'APPAREIL DE FILTRATION A FIBRES CREUSES ENFERME PAR DEUX ELEMENTS THERMOPLASTIQUES**
[72] WHITE, JAMES MITCHELL, US
[72] WOOD, NICHOLE LEA, US
[72] GRIFFIN, WESTON BLAINE, US
[72] HUTCHINSON, RYAN AUSTIN, US
[72] QUIRION, OWEN SCOTT, US
[72] SHOEMAKER, PHILIP ALEXANDER, US
[72] WILLIAMS, ERIC DOUGLAS, US
[73] GENERAL ELECTRIC COMPANY, US
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[72] BYRNE, NORMAN R., US
[73] BYRNE, NORMAN R., US
[86] (2783131)
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[54] **METHOD FOR REPAIRING A TITANIUM BLADE BY LASER RECHARGING AND MODERATE HIP PRESSING**
[54] **PROCEDE DE REPARATION D'UNE AUBE EN TITANE PAR RECHARGEMENT LASER ET COMPRESSION HIP MODEREE**
[72] DERRIEN, GERARD, FR
[73] SNECMA, FR
[85] 2012-06-06
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[54] **SWALLOWABLE DRUG DELIVERY DEVICE AND METHODS OF DRUG DELIVERY**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT AVALABLE ET PROCEDES D'ADMINISTRATION DE MEDICAMENT**
[72] IMRAN, MIR, US
[73] RANI THERAPEUTICS, LLC, US
[85] 2012-06-20
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[30] US (61/284,766) 2009-12-24
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[54] **SYSTEME D'ANCRAGE**
[72] SENTRY, MATTHEW ROBERT, AU
[72] CARRIGAN, LEONARD FRANCIS, AU
[73] GEOTECH PTY LTD, AU
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[54] **BATTE DE BASEBALL COMPRENANT DE MULTIPLES PLANS DE RUPTURE**
[72] CHUANG, H. Y., US
[72] CHAUVIN, DEWEY, US
[73] EASTON DIAMOND SPORTS, LLC, US
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[25] EN
[54] **FIBRINOGEN PREPARATIONS ENRICHED IN FIBRINOGEN WITH AN EXTENDED ALPHA CHAIN**
[54] **PREPARATIONS DE FIBRINOGENE ENRICHIES EN FIBRINOGENE DOTE D'UNE CHAINE ALPHA ALLONGEE**
[72] GRIMBERGEN, JOSEPH, NL
[72] KOOPMAN, JACOB, NL
[72] BOUT, ABRAHAM, NL
[73] MALLINCKRODT PHARMA IP TRADING D.A.C., IE
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[25] EN
[54] **EPOXY COMPOSITIONS AND SURFACING FILMS THEREFROM**
[54] **COMPOSITIONS EPOXYDIQUES, ET FILMS DE SURFACAGE OBTENUS A PARTIR DE CES COMPOSITIONS**
[72] BOYD, SCOTT A., US
[72] SALNIKOV, DMITRIY, US
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
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[72] SUMIDA, NAOMI, JP
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[73] HUNTSMAN INTERNATIONAL LLC, US
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[54] **RECTIFIEUSE CYLINDRIQUE SANS CENTRE DESTINEE A RECTIFIER DES PIECES EN FORME DE TIGE ET PROCEDE DE RECTIFICATION CYLINDRIQUE SANS CENTRE DE PIECES EN FORME DE TIGE**
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[72] VAN DE LOCKAND, PETRUS RICHARDUS MARINUS, NL
[72] MEIJLINK, PETER, NL
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[54] **PROCEDE DE PRODUCTION DE PATES DE CELLULOSE MODIFIEES, PATE DE CELLULOSE AINSI OBTENUE ET UTILISATION D'UN BIOPOLYMERE POUR PRODUIRE DES PATES DE CELLULOSE**
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[72] MARTIN, PATRICK, FR
[72] CASTAGNET, FLORENCE, FR
[72] D'ACUNTO, ALAIN, FR
[72] MIHALUTA, MARIUS, FR
[72] PERRIN, FRANCOIS, FR
[72] BETTEGA, LOUIS, FR
[72] CAUCHOIS, JEAN-PIERRE, FR
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[54] **COMPOSITION TOPIQUE ET SON UTILISATION POUR LA PROPHYLAXIE ET LE TRAITEMENT DE DEFAUTS LIES A DES DERMATOSES INFLAMMATOIRES**
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[54] **PROCEDE DE FABRICATION D'UNE CARTOUCHE FILTRANTE AYANT UNE PAROI LATERALE DE BOITIER A ROULEAUX**
[72] BILLINGSLEY, BRITTON G., US
[72] LEGARE, PIERRE, CA
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
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[54] **SYSTEME DE GESTION DU FROTTEMENT EN BORDURE DE VOIE**
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[72] CAMPBELL, JAMES GAVIN, US
[72] EADIE, DONALD THOMAS, CA
[72] GUEORGUIEV, PETAR NEDKOV, CA
[72] HANDLER, MICHAEL IRWIN, US
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[72] SINGLETON, STEVEN DAVID, US
[72] WELCH, JACOB MATTHEW, US
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[25] FR
[54] **MIG/MAG WELDING OF STEEL TO CARBON WITH ROTARY ARC AND GASEOUS MIXTURE OF AR/HE/O2**
[54] **SOUDAGE MIG/MAG DE L'ACIER AU CARBONE AVEC ARC ROTATIF ET MELANGE GAZEUX AR/HE/O2**
[72] BISKUP, LAURENT, FR
[72] BOUDET, GILLES, FR
[72] PLANCKAERT, JEAN-PIERRE, FR
[72] SAEZ, MICHEL, FR
[73] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
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[25] FR
[54] **METHOD FOR OBTAINING BORAZANE, SUITABLE FOR OBTAINING HIGHLY PURE AND VERY HIGHLY PURE BORAZANE**
[54] **PROCEDE D'OBTENTION DE BORAZANE, CONVENANT POUR L'OBTENTION DE BORAZANE DE GRANDE PURETE, VOIRE DE TRES GRANDE PURETE**
[72] GOUDON, JEAN-PHILIPPE, FR
[72] RENOUARD, JOEL, FR
[73] HERAKLES, FR
[85] 2012-11-21
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[54] **DISPOSITIF A COUPLE ULTRA-HAUT TUBULAIRE**
[72] NINO, JOHN, US
[72] IVINSON, DAVE, US
[73] ECA MEDICAL INSTRUMENTS, US
[85] 2012-11-02
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[51] **Int.Cl. F02C 3/34 (2006.01) F02C 6/18 (2006.01)**
[25] EN
[54] **STOICHIOMETRIC COMBUSTION OF ENRICHED AIR WITH EXHAUST GAS RECIRCULATION**
[54] **COMBUSTION STOECHIOMETRIQUE D'AIR ENRICHI AVEC RECIRCULATION DE GAZ D'ECHAPPEMENT**
[72] GUPTA, HIMANSHU, US
[72] HUNTINGTON, RICHARD, US
[72] MINTA, MOSES, US
[72] MITTRICKER, FRANKLIN F., US
[72] STARCHER, LOREN K., US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
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[25] EN
[54] **METHOD AND APPARATUS FOR DATABASE AUGMENTATION AND MULTI-WORD SUBSTITUTION**
[54] **PROCEDE ET APPAREIL AUX FINS DE L'AUGMENTATION D'UNE BASE DE DONNEES ET REMPLACEMENT MULTITERME**
[72] DENT, TERRILL MARK, CA
[72] LITTLE, HERBERT ANTHONY, CA
[72] BROWN, MICHAEL STEPHEN, CA
[73] BLACKBERRY LIMITED, CA
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[54] **VOLTAGE INVERTER AND METHOD OF CONTROLLING SUCH AN INVERTER**
[54] **ONDULEUR DE TENSION ET PROCEDE DE COMMANDE D'UN TEL ONDULEUR**
[72] BALPE, CEDRIC, FR
[73] LABINAL POWER SYSTEMS, FR
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[54] **METHOD FOR ADJUSTING CONCRETE RHEOLOGY BASED UPON NOMINAL DOSE-RESPONSE PROFILE**
[54] **PROCEDE D'AJUSTEMENT DE RHEOLOGIE DU BETON SUR LA BASE D'UN PROFIL DOSAGE NOMINAL-EFFET**
[72] KOEHLER, ERIC, US
[72] ROBERTS, MARK F., US
[72] COOLEY, ROY J., US
[72] VERDINO, STEVE, US
[73] VERIFI LLC, US
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[54] **ROLLER FOR HIGH PRESSURE ROLLER GRINDER, ROLLER GRINDER, AND METHOD FOR ASSEMBLING A ROLLER FOR A ROLLER GRINDER**
[54] **CYLINDRE POUR BROYEUR A CYLINDRES HAUTE PRESSION, BROYEUR A CYLINDRES, ET PROCEDE POUR L'ASSEMBLAGE D'UN CYLINDRE POUR UN BROYEUR A CYLINDRES**
[72] NIKLEWSKI, ANDRZEJ, BR
[72] BARSCEVICIUS, PAULO, BR
[73] METSO BRASIL INDUSTRIA E COMERCIO LTDA, BR
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[25] FR
[54] **AIR COOLING AND PURIFICATION APPARATUS INTENDED FOR A CRYOGENIC AIR DISTILLATION UNIT**
[54] **APPAREIL DE REFROIDISSEMENT ET D'EPURATION D'AIR DESTINE A UNE UNITE DE DISTILLATION CRYOGENIQUE D'AIR**
[72] CAVAGNE, PATRICE, FR
[73] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
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[51] **Int.Cl. A61L 27/46 (2006.01) A61L 27/52 (2006.01)**
[25] EN
[54] **BONE GRAFT SYSTEM**
[54] **SYSTEME DE GREFFE OSSEUSE**
[72] GIBSON, IAIN RONALD, GB
[72] SKAKLE, JANET MABEL SCOTT, GB
[72] CONWAY, JORDAN CHRISTOPHER, GB
[72] ANNAZ, BASIL, GB
[73] SIRAKOSS LIMITED, GB
[85] 2012-12-19
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[51] **Int.Cl. C10G 1/04 (2006.01) C10L 1/00 (2006.01)**
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[54] **BALLISTIC HEATING PROCESS**
[54] **PROCEDE DE CHAUFFAGE BALISTIQUE**
[72] HUMPHREYS, LEONARD JAMES, AU
[72] KLATT, PETER WALDEMAR, AU
[72] BENNETT, MATHEW, AU
[73] IGNITE RESOURCES PTY LTD, AU
[73] LICELLA FIBRE FUELS PTY LTD, AU
[73] LICELLA PTY LIMITED, AU
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[54] **FREQUENCY SWEEPING TUBEWAVE SOURCES FOR LIQUID FILLED BOREHOLES**
[54] **BALAYAGE DE FREQUENCES DE SOURCES D'ONDES DE TUBE POUR TROUS DE FORAGE REMPLIS DE LIQUIDE**
[72] SHAMPINE, ROD, US
[72] LUHARUKA, RAJESH, US
[72] LEUGEMORS, EDWARD, US
[72] COQUILLEAU, LAURENT, US
[72] DANIELS, JOHN, US
[73] SCHLUMBERGER CANADA LIMITED, CA
[85] 2013-01-21
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[54] **LAMP**
[54] **SCIALYTIQUE**
[72] AMAT GIRBAU, JOSEP, ES
[72] CASALS GELPI, ALICIA, ES
[72] LAPORTE ROSELLO, ENRIC, ES
[73] CORPORACIO SANITARIA PARC TAULI, ES
[73] FUNDACIO INSTITUT DE BIOENGINYERIA DE CATALUNYA (IBEC), ES
[73] AZBIL TELSTAR TECHNOLOGIES, SL, ES
[85] 2013-01-28
[86] 2011-07-28 (PCT/EP2011/062998)
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[51] **Int.Cl. F01D 5/30 (2006.01)**
[25] FR
[54] **DEVICE FOR LOCKING A ROOT OF A ROTOR BLADE**
[54] **DISPOSITIF DE BLOCAGE D'UN PIED D'UNE AUBE DE ROTOR**
[72] BART, JACQUES RENE, FR
[72] BEAUJARD, ANTOINE JEAN-PHILIPPE, FR
[73] SNECMA, FR
[85] 2013-02-05
[86] 2011-08-08 (PCT/FR2011/051882)
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[25] EN
[54] **SEQUENTIAL FORMATION OF ZIEGLER-NATTA CATALYST USING NON-BLENDED COMPONENTS**
[54] **FORMATION SEQUENTIELLE D'UN CATALYSEUR ZIEGLER-NATTA A PARTIR DE COMPOSANTS NON MELANGES**
[72] ZHANG, LEI, US
[72] BLACKMON, KENNETH, US
[72] RAUSCHER, DAVID, US
[73] FINA TECHNOLOGY, INC., US
[85] 2013-02-07
[86] 2011-07-18 (PCT/US2011/044305)
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[30] US (12/861,349) 2010-08-23

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[51] **Int.Cl. H04L 9/08 (2006.01) G06Q 30/02 (2012.01) H04L 12/701 (2013.01) H04L 9/00 (2006.01)**
[25] EN
[54] **TIERED KEY COMMUNICATION SYSTEM AND METHOD IN SUPPORT OF CONTROLLED VENDOR MESSAGE PROCESSING**
[54] **SYSTEME ET PROCEDE DE COMMUNICATION A CLE A NIVEAUX EN SOUTIEN A UN TRAITEMENT DE MESSAGE DE VENDEUR CONTROLE**
[72] MALLER, JAY, US
[73] ECO-MAIL DEVELOPMENT, LLC, US
[85] 2013-02-07
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[13] C
[51] **Int.Cl. F16H 37/00 (2006.01) F16H 15/50 (2006.01) F16H 37/02 (2006.01)**
[25] EN
[54] **GEAR SCHEME FOR INFINITELY VARIABLE TRANSMISSION**
[54] **SYSTEME D'ENGRENAGES POUR UNE TRANSMISSION A VARIATION CONTINUE**
[72] SCHOOLCRAFT, BRIAN, US
[73] ALLISON TRANSMISSION, INC., US
[85] 2013-02-15
[86] 2011-08-15 (PCT/US2011/047764)
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[25] EN
[54] **DEVICE AND METHOD FOR PRODUCING THE MOUTHS OF BIAXIALLY ORIENTED PLASTIC TUBES WITH INTEGRATED SEALING GASKETS**
[54] **DISPOSITIF ET METHODE DE PRODUCTION DE BOUCHES DE TUBES DE PLASTIQUE ORIENTES DE MANIERE BIAXIALE DOTES DE JOINTS D'ETANCHEITE INTEGRES**
[72] MUNOZ DE JUAN, IGNACIO, ES
[73] MOLECOR TECNOLOGIA, S. L., ES
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[25] EN
[54] **DIRECT CAPTURE, AMPLIFICATION AND SEQUENCING OF TARGET DNA USING IMMOBILIZED PRIMERS**
[54] **CAPTURE DIRECTE, AMPLIFICATION ET SEQUENCAGE D'ADN CIBLE A L'AIDE D'AMORCES IMMOBILISEES**
[72] MYLLYKANGAS, SAMUEL, FI
[72] BUENROSTRO, JASON, US
[72] JI, HANLEE P., US
[73] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
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[51] **Int.Cl. A01K 29/00 (2006.01) A61D 17/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATICALLY DETERMINING ANIMAL POSITION AND ANIMAL ACTIVITY**
[54] **SYSTEME ET PROCEDE POUR DETERMINER AUTOMATIQUEMENT LA POSITION D'UN ANIMAL ET L'ACTIVITE D'UN ANIMAL**
[72] SONG, XIANGYU, NL
[72] KOOL, PIETER NEELUS, NL
[72] VAN DER KAMP, ADOLF JAN, NL
[72] VAN DER TOL, PATRICK PHILIP JACOB, NL
[73] LELY PATENT N.V., NL
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[25] EN
[54] **CUTTING ELEMENTS, EARTH-BORING TOOLS INCORPORATING SUCH CUTTING ELEMENTS, AND METHODS OF FORMING SUCH CUTTING ELEMENTS**
[54] **ELEMENTS DE COUPE, OUTILS DE FORAGE DE LA TERRE COMPRENANT DE TELS ELEMENTS DE COUPE ET PROCEDES DE FABRICATION DE TELS ELEMENTS DE COUPE**
[72] LYONS, NICHOLAS J., US
[72] SCOTT, DANNY E., US
[73] BAKER HUGHES INCORPORATED, US
[85] 2013-03-25
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[51] **Int.Cl. F15B 15/14 (2006.01) B64C 11/38 (2006.01)**
[25] FR
[54] **HYDRAULIC DEVICE OF A CONTROL DEVICE, SUCH AS A BLADE PITCH-CHANGE DEVICE**
[54] **DISPOSITIF HYDRAULIQUE D'UN DISPOSITIF DE COMMANDE TEL QU'UN DISPOSITIF DE CHANGEMENT DE PAS D'HELICE**
[72] BRETTES, FREDERIC, FR
[72] LAVIE, ALAIN FRANCOIS JEAN, FR
[73] SNECMA, FR
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[86] 2011-09-22 (PCT/FR2011/052193)
[87] (WO2012/045946)
[30] FR (1057755) 2010-09-27

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[54] **SOLVENT RESISTANT THERMOPLASTIC TOUGHENED EPOXY**
[54] **RESINE EPOXY DURCIE THERMOPLASTIQUE RESISTANTE AUX SOLVANTS**
[72] WANG, YEN-SEINE, US
[73] HEXCEL CORPORATION, US
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[54] **METHOD FOR EVALUATING THE QUANTITY OF METHANE PRODUCED BY A DAIRY RUMINANT**
[54] **PROCEDE D'EVALUATION DE LA QUANTITE DE METHANE PRODUITE PAR UN RUMINANT LAITIER**
[72] WEILL, PIERRE, FR
[72] CHESNEAU, GUILLAUME, FR
[73] VALOREX, FR
[85] 2013-04-12
[86] 2011-10-11 (PCT/EP2011/067689)
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[25] FR
[54] **METHOD FOR FUNCTIONALISING SURFACES FOR ANALYTE DETECTION**
[54] **PROCEDE DE FONCTIONNALISATION DE SURFACES POUR LA DETECTION D'ANALYTES**
[72] MELNYK, OLEG, FR
[72] EBRAN, JEAN-PHILIPPE GEORGES BERNARD, FR
[72] DHEUR, JULIEN PHILIPPE, FR
[72] DENDANE, NABIL, FR
[72] SOUPLET, VIANNEY, FR
[72] OLIVIER, CHRISTOPHE, FR
[73] UNIVERSITE DE LILLE 1 SCIENCE ET TECHNOLOGIES, FR
[73] INNOBIOCHIPS, FR
[73] UNIVERSITE DE LILLE 2 DROIT ET SANTE, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
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[13] C
[51] **Int.Cl. G01N 33/50 (2006.01) G06F 19/18 (2011.01) G01N 33/15 (2006.01)**
[25] EN
[54] **METHODS FOR SELECTING MEDICATIONS FOR TREATING PATIENTS HAVING ATTENTION-DEFICIT HYPERACTIVITY DISORDER**
[54] **METHODES DE SELECTION D'UN MEDICAMENT POUR LE TRAITEMENT DE PATIENTS PRESENTANT UN TROUBLE DEFICITAIRE DE L'ATTENTION AVEC HYPERACTIVITE**
[72] MRAZEK, DAVID A., US
[73] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
[85] 2013-04-19
[86] 2011-10-20 (PCT/US2011/057007)
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[30] US (61/405,272) 2010-10-21

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[13] C
[51] **Int.Cl. B01F 17/18 (2006.01) A01N 25/30 (2006.01) A61K 8/92 (2006.01) C07C 51/353 (2006.01) C07C 67/475 (2006.01) C07C 227/08 (2006.01) C09K 8/52 (2006.01) C09K 8/54 (2006.01) C11D 1/62 (2006.01) C11D 1/90 (2006.01) C11D 1/92 (2006.01) C07C 211/62 (2006.01) C07C 229/10 (2006.01) C07C 323/52 (2006.01)**
[25] EN
[54] **QUATERNIZED FATTY AMINES, AMIDOAMINES, AND THEIR DERIVATIVES FROM NATURAL OIL METATHESIS**
[54] **AMINES GRASSES QUATERNISEES, AMIDOAMINES GRASSES QUATERNISEES ET LEURS DERIVES PROVENANT DE LA METATHESE D'HUILES NATURELLES**
[72] ALLEN, DAVE R., US
[72] ALONSO, MARCOS, US
[72] BERNHARDT, RANDAL J., US
[72] BROWN, AARON, US
[72] GANGULY-MINK, SANGEETA, US
[72] MALEC, ANDREW D., US
[72] MANUEL, TERESA C., US
[72] MASTERS, RONALD A., US
[72] MUNIE, LAWRENCE A., US
[72] MURPHY, DENNIS S., US
[72] SKELTON, PATTI, US
[72] SOOK, BRIAN, US
[72] TERRY, MICHAEL R., US
[72] WEITGENANT, JEREMY AARON, US
[72] WHITLOCK, LAURA LEE, US
[72] WIESTER, MICHAEL, US
[72] WOLFE, PATRICK SHANE, US
[73] STEPAN COMPANY, US
[85] 2013-04-23
[86] 2011-10-25 (PCT/US2011/057605)
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[30] US (61/406,547) 2010-10-25
[30] US (61/406,556) 2010-10-25
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[13] C
[51] **Int.Cl. G01V 15/00 (2006.01) G01V 3/12 (2006.01) G06K 19/07 (2006.01)**
[25] EN
[54] **PRODUCTION TOOL HAVING RFID DEVICE MOUNTED WITHIN A DIELECTRIC INCLUSION**
[54] **OUTIL DE PRODUCTION POURVU D'UN DISPOSITIF RFID MONTE DANS UNE INCLUSION DIELECTRIQUE**
[72] SALOUR, ALI, US
[72] HARISH, AYYANGAR RANGANATH, IN
[72] WARE, SANTOSH RAMLING, IN
[73] THE BOEING COMPANY, US
[86] (2815864)
[87] (2815864)
[22] 2013-05-14
[30] US (13/539,432) 2012-06-30

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[51] **Int.Cl. G06F 17/30 (2006.01) G06K 9/46 (2006.01) G06K 9/62 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR FINDING NEAREST NEIGHBOR**
[54] **PROCEDE ET DISPOSITIF DE DECOUVERTE DE VOISIN LE PLUS PROCHE**
[72] CHEHAIBER, MOATASEM, DK
[73] IVISYS APS, DK
[85] 2013-06-04
[86] 2011-12-15 (PCT/DK2011/050487)
[87] (WO2012/079588)
[30] DK (PA 2010 70560) 2010-12-17
[30] US (61/429,268) 2011-01-03

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[13] C
[51] **Int.Cl. H04W 76/25 (2018.01) G08C 17/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MOTION BASED PING DURING CHAT MODE**
[54] **PROCEDE ET APPAREIL DE DETECTION DE MOUVEMENT BASE SUR L'IMPULSION ACOUSTIQUE EMISE EN MODE BAVARDAGE**
[72] DAWAR, ANNUPUM, CA
[72] HUNGERFORD, SEAN, CA
[73] BLACKBERRY LIMITED, CA
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[54] **DURCISSEUR LATENT DE TYPE MELANGE-MERE POUR RESINE EPOXY, ET COMPOSITION DE RESINE EPOXY L'UTILISANT**
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[73] ADEKA CORPORATION, JP
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[54] **SYSTEMES ET PROCEDES D'ENREGISTREMENT DE RENSEIGNEMENTS SUR DES TRANSACTIONS ET LA PERSONNALISATION DE PRODUIT**
[72] NORMAN, TIMOTHY DARREN, US
[72] PRUET, BRYAN WILBOURNE, US
[73] LOWE'S COMPANIES, INC., US
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[54] **PROCEDE ET DISPOSITIF DESTINES A TORSADER LES EXTREMITES DE CONDUCTEURS, EN PARTICULIER DE BOBINAGES DE MACHINES ELECTRIQUES**
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[54] **AMELIORATION DE L'APTITUDE AU TRAVAIL A CHAUD D'ALLIAGES METALLIQUES GRACE A UN REVETEMENT DE SURFACE**
[72] MINISANDRAM, RAMESH S., US
[72] KENNEDY, RICHARD L., US
[72] FORBES JONES, ROBIN M., US
[73] ATI PROPERTIES LLC, US
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[72] TROTTIER, SYLVAIN, CA
[73] D-BOX TECHNOLOGIES INC., CA
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[72] CHAPMAN, CHRIS, GB
[73] ADVANCED PLASMA POWER LIMITED, GB
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[54] **PROCEDES ET COMPOSITIONS POUR TRAITER OU PREVENIR LES SYMPTOMES DE CHANGEMENTS HORMONAUX**
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[73] FERVENT PHARMACEUTICALS, LLC, US
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[72] CATREIN, DANIEL, DE
[72] REMBARZ, RENEE, DE
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[54] **SYSTEME DE STOCKAGE D'ENERGIE POUR UN VEHICULE ELECTRIQUE HYBRIDE**
[72] YOUNGS, DANIEL J., US
[72] BIEHL, KURT, US
[72] BASS, EDWARD, US
[72] SCHNEIDER, ERIC D., US
[72] BAILEY, FELICE E., US
[72] REYBURN, STEVEN T., US
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[72] NAEGELI, MARKUS, US
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[54] **APPAREIL DE CHAUFFAGE ELECTRIQUE AVEC FILTRE DE LIGNE CA ET FAIBLE COURANT DE FUITE**
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[72] VENTURINI, GIANLUCA, IT
[73] ELECTROLUX HOME PRODUCTS, INC., US
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[72] ZHENG, XUESONG, GB
[73] THE UNIVERSITY OF MANCHESTER, GB
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[72] WILSON, GEOFFREY A., US
[73] LIFELOC TECHNOLOGIES, INC., US
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[72] HIROTANI, KENJI, JP
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[72] YAZAWA, MITSUHIRO, JP
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[54] **PROCEDES ET APPAREILS POUR UN GUIDAGE ET UNE CONFIRMATION OPTOACOUSTIQUES DE LA POSE D'UN APPAREIL MEDICAL A DEMEURE**
[72] PROUGH, DONALD S., US
[72] ESENALIEV, RINAT O., US
[72] PETROV, YURIY, US
[72] PETROV, IRENE, US
[73] BOARD OF REGENTS THE UNIVERSITY OF TEXAS SYSTEM, US
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[73] NEW YORK AIR BRAKE CORPORATION, US
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[73] PI-DESIGN AG, CH
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[72] CARROLL, MICHAEL B., US
[72] MENTZER, DAVID, US
[72] HOO, TECK MUI, US
[72] DAAGE, MICHEL A., US
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[73] TYR TACTICAL, LLC, US
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[54] **SYSTEME ET PROCEDE D'ELIMINATION DE SOLIDES PAR DISTILLATION**
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[72] OWEN, DAN, US
[73] 212 WATER SERVICES, LLC, US
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[54] **METHODS FOR ESTABLISHING FLUID COMMUNICATION BETWEEN A SAGD WELL PAIR**
[54] **PROCEDES D'ETABLISSEMENT D'UNE COMMUNICATION FLUIDE ENTRE UNE PAIRE DE PUITS SAGD**
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[72] COULTER, CAL, CA
[72] ACOSTA-RAMIREZ, HUGO, CA
[72] GUERRERO, ADRIANA, CA
[73] SUNCOR ENERGY INC., CA
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[54] **PROCEDES D'ANALYSE D'IMAGE FONDE SUR LA SEPARATION DE CHROMOGENES**
[72] MARCELPOIL, RAPHAEL, FR
[72] WILLIAMS, RYAN, US
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[54] **CLONAGE, EXPRESSION ET CARACTERISATION DU GENE SPG4 RESPONSABLE DE LA FORME LA PLUS FREQUENTE DE PARAPLEGIE SPASTIQUE AUTOSOMIQUE DOMINANTE.**
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[54] **PROCEDE DE PRODUCTION A SEC D'UNE UNITE MEMBRANE ELECTRODES, UNITE MEMBRANE ELECTRODES ET ENSEMBLE DE LAMINAGE**
[72] DATZ, ARMIN, DE
[72] DENNERLEIN, KLAUS, DE
[72] KUHN, CAROLA, DE
[72] REINER, ANDREAS, DE
[72] STRAUB, WERNER, DE
[73] SIEMENS AKTIENGESELLSCHAFT, DE
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[54] **DISPOSITIF DE PRELEVEMENT ET DE TRANSPORT DE NANO-OBJETS CONTENUS DANS DES AEROSOLS EN VUE DE LEUR ANALYSE**
[72] CLAVAGUERA, SIMON, FR
[72] DECOLIN, ERIC, FR
[72] HEBERT, GUILLAUME, FR
[72] RECHATIN, JEAN-LOUP, FR
[72] TARDIF, FRANCOIS, FR
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[54] **VITROCERAMIQUE ET VERRE EN SILICATE DE LITHIUM, AYANT UN OXYDE METALLIQUE DIVALENT**
[72] RITZBERGER, CHRISTIAN, CH
[72] APEL, ELKE, CH
[72] HOLAND, WOLFRAM, LI
[72] RHEINBERGER, VOLKER, LI
[73] IVOCLAR VIVADENT AG, LI
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[54] **PROCEDE ET SYSTEME POUR LA SUPPRESSION AUTOMATIQUE DE DONNEES DE MESSAGERIE INSTANTANEE**
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[72] HUANG, QING, CN
[72] ZHANG, BIN, CN
[73] TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED, CN
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[54] **APPAREIL DE PRETRAITEMENT ET DE TRANSPORT, PLASTIFICATION OU AGGLOMERATION SUBSEQUENT DE MATERIAU PLASTIQUE**
[72] FEICHTINGER, KLAUS, AT
[72] HACKL, MANFRED, AT
[73] EREMA ENGINEERING RECYCLING MASCHINEN UND ANLAGEN GESELLSCHAFT M.B.H., AT
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[54] **PRODUITS DE PAPIER A COUCHES MULTIPLES ET LEUR FABRICATION**
[72] THOROGOOD, PAUL, GB
[73] MOO PRINT LIMITED, GB
[85] 2014-04-10
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[54] **AN APPARATUS FOR THE PRETREATMENT AND SUBSEQUENT CONVEYING, PLASTIFICATION OR AGGLOMERATION OF THERMOPLASTICS**
[54] **UN APPAREIL DE PRETRAITEMENT ET DE TRANSPORT, PLASTICATION OU AGGLOMERATION SUBSEQUENT DE MATIERES THERMOPLASTIQUES**
[72] FEICHTINGER, KLAUS, AT
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[54] **NUCLEIC ACID ENCODING N-METHYLPUTRESCINE OXIDASE AND USES THEREOF**
[54] **ACIDE NUCLEIQUE CODANT LA N-METHYLPUTRESCINE OXYDASE ET SES UTILISATIONS**
[72] PAGE, JONATHAN E., CA
[72] LIU, ENWU, CA
[73] 22ND CENTURY LIMITED, LLC, US
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[54] **OPTIMIZING COMMUNICATION MODES IN WIRELESS-ENABLED CLIMATE CONTROL SYSTEM CONTROLLERS**
[54] **OPTIMISATION DES MODES DE COMMUNICATION DANS LES REGULATEURS DE SYSTEME DE CLIMATISATION SANS FIL**
[72] RAMACHANDRAN, ANIL, US
[73] EMERSON ELECTRIC CO., US
[86] (2855188)
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[54] **METHODS, SYSTEMS AND APPARATUSES TO MITIGATE COMMUNICATION COLLISIONS**
[54] **PROCEDES, SYSTEMES ET APPAREILS POUR REDUIRE DES COLLISIONS DE COMMUNICATIONS**
[72] PARK, MINYOUNG, US
[73] INTEL CORPORATION, US
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[54] **METHOD AND APPARATUS FOR ENCODING AND DECODING VIDEO THROUGH INTRA PREDICTION**
[54] **METHODE ET APPAREIL DE CODAGE ET DECODAGE VIDEO PAR INTRA PREDICTION**
[72] SONG, HAK-SUP, KR
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[73] SAMSUNG ELECTRONICS CO., LTD., KR
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[54] **ADAPTIVE TRAILING EDGE ACTUATOR SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ACTIONNEUR DE BORD DE FUITE ADAPTATIF**
[72] MOSER, MATTHEW A., US
[72] FINN, MICHAEL R., US
[73] THE BOEING COMPANY, US
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[72] ALLERS, TANJA, DE
[72] VAN LAAR, FREDERIK MARIE PAUL RAFAEL, NL
[72] BORNINKHOF, FREDERIK, NL
[72] TALJAARD, JANA HELOISE, ZA
[72] MEYER, RITA, ZA
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[54] **TUBULAR COMPENSATOR SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE COMPENSATEUR DE TUBULAIRE**
[72] SONNIER, ERROL ANTHONY, US
[73] TESCO CORPORATION, US
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[54] **A SYSTEM AND METHOD FOR ENHANCING CORROSION RATE DETERMINATION IN PROCESS EQUIPMENT USING A TELESCOPING/ROTATING SENSOR**
[54] **SYSTEME ET PROCEDE UTILISANT UN CAPTEUR TELESCOPIQUE/ROTATIF POUR AMELIORER LA DETERMINATION DE LA VITESSE DE CORROSION DANS UN EQUIPEMENT D'UTILISATEUR**
[72] ALVAREZ, MANUEL S., US
[72] BASILE, RICHARD J., US
[72] DEUTSCH, DAVID SAMUEL, US
[72] SCHILOWITZ, ALAN MARK, US
[72] SKOULIDAS, ANASTASIOS I., US
[72] WOLF, HENRY ALAN, US
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[54] **TUBULAR ENGAGING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE D'ACCOUPLEMENT DE TUBULAIRE**
[72] NIKIFORUK, KEVIN JAMES, US
[73] TESCO CORPORATION, US
[85] 2014-06-13
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[54] **METHOD FOR QUANTIFYING CORROSION AT A PRESSURE CONTAINING BOUNDARY**
[54] **PROCEDE DE QUANTIFICATION DE LA CORROSION AU NIVEAU D'UNE LIMITE CONTENANT UNE PRESSION**
[72] WOLF, HENRY ALAN, US
[72] SCHILOWITZ, ALAN MARK, US
[72] ALVAREZ, MANUEL S., US
[72] SKOULIDAS, ANASTASIOS IOANNIS, US
[72] DEUTSCH, DAVID SAMUEL, US
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[54] **TREATMENT OF SOLID TUMORS WITH RAPAMYCIN DERIVATIVES**
[54] **TRAITEMENT DES TUMEURS SOLIDES AVEC DES DERIVES DE RAPAMYCINE**
[72] LANE, HEIDI, CH
[72] O'REILLY, TERENCE, CH
[72] WOOD, JEANETTE MARJORIE, CH
[73] NOVARTIS AG, CH
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[54] **CONTROL LINE SECUREMENT METHOD AND SYSTEM**
[54] **SYSTEME ET PROCEDE DE FIXATION DE CONDUITE DE COMMANDE**
[72] O'BLENES, JONATHAN BRIAN, CA
[73] TESCO CORPORATION, US
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[54] **NESTED DUAL DRILL PIPE**
[54] **TIGE DE FORAGE DOUBLE EMBOITEE**
[72] ALHAUG, ESPEN, NO
[72] SYSE, HARALD, NO
[73] REELWELL AS, NO
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[54] **PIPE DRIVE SEALING SYSTEM AND METHOD**
[54] **PROCEDE ET SYSTEME D'ETANCHEITE DE CONDUITE TUBULAIRE**
[72] LEMAN, MICHAEL EVERETT, US
[72] ROESNER, THOMAS GEORGE, US
[73] TESCO CORPORATION, US
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[54] **WHEEL OF FORTUNE WITH GESTURE-BASED CONTROL**
[54] **ROUE DE LA CHANCE A COMMANDE GESTUELLE**
[72] KAIBLINGER, HARALD, AT
[72] SCHROTTER, FLORIAN, AT
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[54] **NOUVELLE CLASSE DE DERIVES DE DIAZEPINE EN TANT QU'AGENTS DE CHELATION ET COMPLEXES AVEC DES METAUX PARAMAGNETIQUES ASSOCIES EN TANT QU'AGENTS DE CONTRASTE POUR IRM**
[72] MAIOCCHI, ALESSANDRO, IT
[72] VISIGALLI, MASSIMO, IT
[72] BELTRAMI, LORENA, IT
[72] SINI, LOREDANA, IT
[72] LATTUADA, LUCIANO, IT
[73] BRACCO IMAGING SPA, IT
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[54] **POMPE VOLUMETRIQUE POURVUE D'UN DISPOSITIF MECANIQUE DE PURGE D'AIR**
[72] BUBB, ALEXANDER, DE
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[72] VOLKER, TOBIAS, DE
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[54] **METHOD FOR ENHANCING REBAUDIOSIDE D SOLUBILITY IN WATER**
[54] **PROCEDE D'AMELIORATION DE LA SOLUBILITE DU REBAUDIOSIDE D DANS L'EAU**
[72] MUTILANGI, WILLIAM, US
[72] ZHANG, NAIJIE, US
[73] PEPSICO, INC., US
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[54] **VISUALIZATION SYSTEM FOR THREE-DIMENSIONAL IMAGES**
[54] **SYSTEME DE VISUALISATION D'IMAGES TRIDIMENSIONNELLES**
[72] PACHER, PETER, DE
[72] SESSNER, RAINER, DE
[73] CARL ZEISS VISION INTERNATIONAL GMBH, DE
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[54] **SEPARATEUR DOUBLE COUCHE A GAZ ENCAPSULE POUR UN CABLE DE COMMUNICATIONS DE DONNEES**
[72] CAMP, DAVID P., II, US
[72] SKOCYPEC, BRIAN P., US
[72] FAUSZ, DAVID M., US
[73] GENERAL CABLE TECHNOLOGIES CORPORATION, US
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[54] **PERCEUSE A COLONNE PORTATIVE**
[72] NOWLAND, CLAUDE ERNEST, AU
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[25] EN
[54] **IMAGE ENCODING DEVICE, IMAGE DECODING DEVICE, IMAGE ENCODING METHOD, AND IMAGE DECODING METHOD**
[54] **DISPOSITIF DE CODAGE D'IMAGE ANIMEE, DISPOSITIF DE DECODAGE D'IMAGE ANIMEE, PROCEDE DE CODAGE D'IMAGE ANIMEE ET PROCEDE DE DECODAGE D'IMAGE ANIMEE**
[72] MINEZAWA, AKIRA, JP
[72] SUGIMOTO, KAZUO, JP
[72] HIWASA, NORIMICHI, JP
[72] SEKIGUCHI, SHUNICHI, JP
[73] MITSUBISHI ELECTRIC CORPORATION, JP
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[54] **DESHYDROGENASE ET TOXINE DE CLOSTRIDIUM DIFFICILE SERVANT DE BIOMARQUEUR**
[72] BOONE, JAMES HUNTER, US
[72] LYERLY, DAVID M., US
[72] CARMAN, ROBERT J., US
[73] TECHLAB, INC., US
[85] 2014-10-24
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[54] **APPAREIL ET PROCESSUS D'OUVERTURE ET D'ETIREMENT D'UNE BANDE**
[72] COE, RICHARD GEORGE, US
[72] ORR, JILL MARLENE, US
[72] GROSS, SARAH BETH, US
[72] ISBURGH, ROBERT KARL, US
[72] KOCHER, LEROY JOSEPH, US
[72] MUHS, KEVIN GERARD, US
[72] MULLANE, TIMOTHY IAN, US
[73] THE PROCTER & GAMBLE COMPANY, US
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[54] **METHOD OF SOIL STABILIZATION USING FIBERS**
[54] **PROCEDE DE STABILISATION DE SOLS AU MOYEN DE FIBRES**
[72] SHVARZMAN, ASIA, CA
[73] ACM TECHNOLOGIES INC., CA
[85] 2014-12-08
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[54] **CONCEPT DE REVETEMENT DE LEVRE D'ENTREE MONOBLOC**
[72] WILSON, RONNIE, US
[72] STEMPLE, ALAN D., US
[73] THE BOEING COMPANY, US
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[54] **APPARATUS AND METHOD FOR MEASURING LEAKAGE CURRENTS ON PORCELAIN AND GLASS INSULATOR DISC STRINGS**
[54] **APPAREIL ET PROCEDE DE MESURE DES COURANTS DE FUITE SUR DES CHAINES DE DISQUES D'ISOLATEURS EN VERRE ET EN PORCELAINE**
[72] PHILLIPS, ANDREW JOHN, US
[72] ENGELBRECHT, CHRISTIAAN STEPHAN, US
[72] MAJOR, J. MARK, US
[72] LYNCH, ROBERT CARLTON, US
[73] ELECTRIC POWER RESEARCH INSTITUTE, INC., US
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[54] **PROCEDE POUR L'OXYDATION DE SO2 EN SO3**
[72] MOLLERHOJ, MARTIN, DK
[73] HALDOR TOPSOE A/S, DK
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[54] **ELECTRODE CLAMPING DEVICE**
[54] **DISPOSITIF DE SERRAGE D'ELECTRODE**
[72] VENTER, JACQUES, ZA
[73] VENTER, JACQUES, ZA
[85] 2014-12-12
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[25] EN
[54] **PHOTOBIOREACTOR FOR LIQUID CULTURES INCLUDING STERILIZATION MECHANISMS**
[54] **PHOTOBIOREACTEUR DESTINE A DES CULTURES DE LIQUIDE INCLUANT DES MECANISMES DE STERILISATION**
[72] ROULSTON, ROBERT, CA
[73] INDUSTRIAL PLANKTON INC., CA
[85] 2014-12-22
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[54] **MANAGEMENT SYSTEM AND MANAGEMENT METHOD OF MINING MACHINE**
[54] **SYSTEME DE GESTION ET PROCEDE DE GESTION D'UNE MACHINE DE MINE**
[72] TOJIMA, MASANORI, JP
[72] RYUMAN, MITSUHIRO, JP
[73] KOMATSU LTD., JP
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[54] **VETEMENT INTELLIGENT RFID**
[72] BURNSIDE, WALTER D., US
[73] DJB GROUP LLC, US
[73] WISTRON NEWEB CORPORATION, TW
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[86] 2013-03-22 (PCT/US2013/033488)
[87] (WO2014/007877)
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[54] **BACILLUS MEGATERIUM BIOACTIVE COMPOSITIONS AND METABOLITES**
[54] **COMPOSITIONS BIOACTIVES ET METABOLITES DE BACILLUS MEGATERIUM**
[72] ASOLKAR, RATNAKAR, US
[72] CORDOVA-KREYLOS, ANA LUCIA, US
[72] RODRIGUEZ, MARGARITA, US
[72] TODD, CARLY, US
[72] WILK, DEBORA, US
[72] MARRONE, PAMELA, US
[73] MARRONE BIO INNOVATIONS, INC., US
[85] 2015-02-09
[86] 2013-08-13 (PCT/US2013/054774)
[87] (WO2014/028520)
[30] US (61/683,541) 2012-08-14
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[25] EN
[54] **DEVICE FOR MAPPING AND ABLATING RENAL NERVES DISTRIBUTED ON THE RENAL ARTERY**
[54] **DISPOSITIF D'APPARIEMENT ET D'ABLATION DE NERFS RENAUX REPARTIS SUR L'ARTERE RENALE**
[72] WANG, JIE, US
[72] LI, CHUWU, CN
[72] ZOU, BO, CN
[72] WANG, JIANCONG, CN
[73] SYMAP MEDICAL (SUZHOU) , LTD., CN
[85] 2015-02-12
[86] 2013-08-23 (PCT/CN2013/082135)
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[54] **PROCEDES CHIRURGICAUX EMPLOYANT DES SUTURES UNIDIRECTIONNELLES**
[72] BUNCKE, HARRY J., US
[73] ETHICON, LLC, US
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[25] EN
[54] **VIBRATING SENSOR ASSEMBLY WITH A ONE-PIECE CONDUIT MOUNT**
[54] **ENSEMBLE CAPTEUR DE VIBRATION A SUPPORT MONOBLOC DE MONTAGE SUR CONDUIT**
[72] WERBACH, CHRISTOPHER A., US
[72] LANHAM, GREGORY TREAT, US
[72] PICKETT, BETHANY, US
[73] MICRO MOTION, INC., US
[85] 2015-03-13
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[25] EN
[54] **STEERING YOKE ASSEMBLY**
[54] **ENSEMBLE FOURCHE DE DIRECTION**
[72] WITTING, NICHOLAS, US
[73] SAINT-GOBAIN PERFORMANCE PLASTICS CORPORATION, US
[85] 2015-03-13
[86] 2013-09-27 (PCT/US2013/062276)
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[25] EN
[54] **DUCT WITH PAINT SEALANT**
[54] **CONDUITE DOTEE D'ENDUIT PROTECTEUR**
[72] GRAY, MARTIN E., US
[73] GRAY METAL PRODUCTS, INC., US
[85] 2015-03-17
[86] 2013-09-17 (PCT/US2013/060113)
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[25] EN
[54] **METHOD FOR TREATING SOLUTION CONTAINING RARE EARTH**
[54] **PROCEDE DE TRAITEMENT D'UNE SOLUTION CONTENANT UNE TERRE RARE**
[72] LI, YONGXIU, CN
[72] XIE, AILING, CN
[72] WANG, YUE, CN
[72] SONG, LISHA, CN
[72] LI, YILIN, CN
[72] ZHOU, XINMU, CN
[72] ZHOU, XUEZHEN, CN
[72] LIU, YANZHU, CN
[72] LI, JING, CN
[73] NANCHANG UNIVERSITY, CN
[85] 2015-03-17
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[30] CN (201310355981.7) 2013-08-15
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[54] **ENZYMES FOR TRANSFORMING ERGOPEPTINES AND METHOD THEREFOR**
[54] **ENZYMES DE TRANSFORMATION D'ERGOPEPTINES ET PROCEDE CORRESPONDANT**
[72] SCHATZMAYR, GERD, AT
[72] BINDER, EVA-MARIA, AT
[72] THAMHESL, MICHAELA, AT
[72] MOLL, DIETER, AT
[73] ERBER AKTIENGESELLSCHAFT, AT
[85] 2015-03-23
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[25] EN
[54] **OPTICAL COMPONENT AND METHOD OF MANUFACTURING THE SAME**
[54] **COMPOSANT OPTIQUE ET PROCEDE POUR SA PRODUCTION**
[72] MIYAMOTO, SO, JP
[72] TOMODA, MASAOKI, JP
[73] NIKON-ESSILOR CO., LTD., JP
[85] 2015-03-26
[86] 2013-09-26 (PCT/JP2013/075988)
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[54] **A TUBULAR WELDING WIRE**
[54] **UN FIL DE SOUDAGE TUBULAIRE**
[72] BARHORST, STEVEN, US
[72] AMATA, MARIO, US
[72] PAGANO, KEVIN, US
[73] HOBART BROTHERS COMPANY, US
[85] 2015-04-09
[86] 2013-12-12 (PCT/US2013/074533)
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[54] **VERTICALLY RAISING SAFETY RAIL**
[54] **GLISSIERE DE SECURITE A SOULEVEMENT VERTICAL**
[72] MORAN, ERIC M., US
[73] CONTROL DYNAMICS, INC., US
[86] (2889091)
[87] (2889091)
[22] 2015-04-20
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[25] EN
[54] **AEROSOL HAIRSPRAY PRODUCT AND METHOD FOR STYLING AND/OR SHAPING HAIR**
[54] **PRODUIT POUR CHEVEUX EN AEROSOL ET METHODE DE COIFFURE OU DE MISE EN PLIS DES CHEVEUX**
[72] BROWN, JODI LEE, US
[72] CARBALLADA, JOSE ANTONIO, US
[72] BENSON, WILLY, US
[72] MARTIN, MATTHEW JOHN, US
[72] HUGHES, KENDRICK JON, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2015-05-07
[86] 2014-06-26 (PCT/US2014/044332)
[87] (WO2014/210305)
[30] US (61/840,710) 2013-06-28

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[51] **Int.Cl. B60R 17/00 (2006.01) B62J 31/00 (2006.01) F16H 57/05 (2006.01)**
[25] EN
[54] **AIRFLOW DRIVEN AUTOMATIC LUBRICATOR FOR A MOTORCYCLE DRIVE CHAIN**
[54] **GRAISSEUR AUTOMATIQUE ACTIONNE PAR L'ECOULEMENT DE L'AIR POUR UNE CHAINE DE TRANSMISSION DE MOTOCYCLETTE**
[72] STEELE, MICHAEL SHAWN, US
[73] STEELE, MICHAEL SHAWN, US
[85] 2015-06-10
[86] 2013-12-14 (PCT/US2013/075195)
[87] (WO2014/093940)
[30] US (13/716,133) 2012-12-15

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[25] EN
[54] **COAXIAL CABLE CONNECTOR HAVING ELECTRICAL CONTINUITY MEMBER**
[54] **CONNECTEUR DE CABLE COAXIAL DOTE D'UN ELEMENT DE CONTINUITE ELECTRIQUE**
[72] PURDY, ERIC, US
[72] MONTENA, NOAH, US
[72] AMIDON, JEREMY, US
[73] PPC BROADBAND, INC., US
[86] (2895030)
[87] (2895030)
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[25] EN
[54] **PRECIPITATED PARTICLES AND WELLBORE FLUIDS AND METHODS RELATING THERETO**
[54] **PARTICULES PRECIPITEES ET FLUIDES DE PUITS DE FORAGE ET PROCEDES ASSOCIES A CEUX-CI**
[72] JAMISON, DALE E., US
[72] LANDIS, CHARLES, US
[72] DEVILLE, JAY, US
[72] MCDANIEL, CATO, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-06-15
[86] 2014-01-16 (PCT/US2014/011844)
[87] (WO2014/120458)
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[25] EN
[54] **METALATED LIGAND, CATALYST COMPOSITION, AND USE THEREOF IN THE OLIGOMERIZATION OF ETHYLENE**
[54] **LIGAND PNPN-H METALLISE, COMPOSITION DE CATALYSEUR ET SON UTILISATION DANS L'OLIGOMERISATION DE L'ETHYLENE**
[72] AL-HAZMI, MOHAMMED H., SA
[72] ALQAHTANI, ABDULLAH, SA
[72] ROSENTHAL, UWE, DE
[72] MULLER, BERND, DE
[72] PEULECKE, NORMEN, DE
[72] HARFF, MARCO, DE
[72] WOHL, ANINA, DE
[72] MEISWINKEL, ANDREAS, DE
[72] BOLT, HEINZ, DE
[72] MULLER, WOLFGANG, DE
[73] SAUDI BASIC INDUSTRIES CORPORATION, SA
[73] LINDE AG, DE
[85] 2015-07-02
[86] 2014-02-11 (PCT/IB2014/058917)
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[25] EN
[54] **HETEROCYCLE-SUBSTITUTED TETRACYCLIC COMPOUNDS AND METHODS OF USE THEREOF FOR TREATMENT OF VIRAL DISEASES**
[54] **COMPOSES TETRACYCLIQUES SUBSTITUES PAR UN HETEROCYCLE ET PROCEDES POUR LES UTILISER POUR LE TRAITEMENT DE MALADIES VIRALES**
[72] YU, WENSHENG, US
[72] TONG, LING, US
[72] KOZLOWSKI, JOSEPH A., US
[72] SELYUTIN, OLEG, US
[72] CHEN, LEI, US
[72] KIM, JAE-HUN, US
[72] SHA, DEYOU, US
[72] RIZVI, RAZIA, US
[72] SHANKAR, BANDARPALLE, US
[72] HU, BIN, CN
[72] ZHONG, BIN, CN
[72] WANG, DAHAI, CN
[72] HAO, JINGLAI, CN
[72] WEI, WEI, CN
[72] JI, TAO, CN
[72] ZAN, SHUAI, CN
[73] MERCK SHARP & DOHME CORP., US
[85] 2015-07-13
[86] 2013-12-31 (PCT/CN2013/001676)
[87] (WO2014/110705)
[30] CN (PCT/CN2013/000038) 2013-01-16

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[51] **Int.Cl. E21B 47/003 (2012.01) E21B 47/107 (2012.01) E21B 43/26 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING FRACTURE NETWORK VOLUME USING PASSIVE SEISMIC SIGNALS**
[54] **PROCEDE POUR DETERMINER UN VOLUME DE RESEAU DE FRACTURES A L'AIDE DE SIGNAUX SISMIQUES PASSIFS**
[72] MCKENNA, JONATHAN P., US
[73] MICROSEISMIC, INC., US
[85] 2015-07-14
[86] 2014-01-13 (PCT/US2014/011194)
[87] (WO2014/120418)
[30] US (13/757,209) 2013-02-01

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[51] **Int.Cl. B65H 54/02 (2006.01) E21B 19/22 (2006.01)**
[25] EN
[54] **PROCESS AND APPARATUS FOR FORMING A COIL OF SCRAP TUBING**
[54] **PROCEDE ET APPAREIL DE FORMAGE D'UNE BOBINE DE TUBAGE RECUPERE**
[72] WOLF, CLIFTON E., US
[73] WOLF, CLIFTON E., US
[86] (2898701)
[87] (2898701)
[22] 2015-07-28
[30] US (14/534,787) 2014-11-06

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[51] **Int.Cl. B01D 53/86 (2006.01) B01D 53/62 (2006.01)**
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[54] **EXHAUST GAS TREATMENT SYSTEM AND EXHAUST GAS TREATMENT METHOD**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE GAZ D'ECHAPPEMENT**
[72] HONJO, SHINTARO, US
[72] YONEKAWA, TAKAHITO, US
[72] INUI, MASAYUKI, US
[72] TSUJIUCHI, TATSUYA, US
[73] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[85] 2015-07-31
[86] 2014-02-14 (PCT/JP2014/053499)
[87] (WO2014/129402)
[30] US (13/774,442) 2013-02-22

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[25] EN
[54] **ARC-EXTINGUISHING INSULATION MATERIAL MOLDED PRODUCT AND GAS CIRCUIT BREAKER INCLUDING THE SAME**
[54] **PRODUIT MOULE DE MATERIAU ISOLANT A EXTINCTION D'ARC ET DISJONCTEUR A GAZ COMPORTANT LEDIT PRODUIT**
[72] KUBO, KAZUKI, JP
[72] OKAWA, TATSUYA, JP
[72] HORINOUCHI, KATSUHIKO, JP
[72] SATO, MOTOHIRO, JP
[73] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2015-08-04
[86] 2013-09-11 (PCT/JP2013/074489)
[87] (WO2014/122814)
[30] JP (2013-022217) 2013-02-07

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[54] **CDC7 INHIBITORS**
[54] **INHIBITEURS DE CDC7**
[72] DALLY, ROBERT DEAN, US
[72] WOODS, TIMOTHY ANDREW, US
[73] ELI LILLY AND COMPANY, US
[85] 2015-08-10
[86] 2014-03-07 (PCT/US2014/021466)
[87] (WO2014/143601)
[30] US (61/782,798) 2013-03-14
[30] US (61/789,108) 2013-03-15

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[51] **Int.Cl. C08L 101/02 (2006.01) C08L 9/00 (2006.01) C08L 29/00 (2006.01) C08L 33/00 (2006.01)**
[25] EN
[54] **BINDER COMPOSITIONS AND METHODS FOR MAKING AND USING SAME**
[54] **COMPOSITIONS DE LIANTS ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] WILLIAMSON, BOBBY L., US
[72] SNIADY, ADAM K., US
[72] SWIFT, BRIAN L., US
[72] SRINIVASAN, RAMJI, US
[72] JING, FENG, US
[72] HAGIOPOL, CORNEL, US
[73] GEORGIA-PACIFIC CHEMICALS LLC, US
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[25] EN
[54] **CO2 RECOVERY SYSTEM AND CO2 RECOVERY METHOD**
[54] **SYSTEME DE RECUPERATION DE CO2 ET PROCEDE DE RECUPERATION DE CO2**
[72] TSUJIUCHI, TATSUYA, US
[72] YONEKAWA, TAKAHITO, US
[72] HONJO, SHINTARO, US
[72] INUI, MASAYUKI, US
[72] NAKAYAMA, KOJI, JP
[72] KAMIJO, TAKASHI, JP
[72] NAGAYASU, HIROMITSU, JP
[73] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
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[86] 2014-02-24 (PCT/JP2014/054314)
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[30] US (13/784,173) 2013-03-04

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[51] **Int.Cl. H01M 10/62 (2014.01) H01M 10/659 (2014.01) E21C 35/00 (2006.01)**
[25] EN
[54] **COOLING SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE REFROIDISSEMENT**
[72] LINDHOLM, KARI, FI
[73] SANDVIK MINING AND CONSTRUCTION OY, FI
[86] (2903627)
[87] (2903627)
[22] 2015-09-09
[30] EP (14195058.4) 2014-11-27

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[13] C
[51] **Int.Cl. A63C 17/14 (2006.01) A63C 17/06 (2006.01)**
[25] EN
[54] **IN-LINE SKATE BRAKING DEVICE**
[54] **DISPOSITIF DE FREINAGE DE PATIN A ROUES ALIGNEES**
[72] BATENBURG, RICHARD M., US
[73] BATMANN CONSULTING, INC., US
[85] 2015-09-02
[86] 2014-03-13 (PCT/US2014/025914)
[87] (WO2014/160146)
[30] US (61/780,181) 2013-03-13

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[13] C
[51] **Int.Cl. C21D 8/04 (2006.01) B21B 1/46 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A COLD-ROLLED FLAT STEEL PRODUCT FOR DEEP-DRAWING AND IRONING APPLICATIONS, FLAT STEEL PRODUCT, AND USE OF A FLAT STEEL PRODUCT OF SAID TYPE**
[54] **PROCEDE SERVANT A PRODUIRE UN PRODUIT PLAT EN ACIER LAMINE A FROID APTE A L'EMBOUTISSAGE ET A L'ETIRAGE, PRODUIT PLAT EN ACIER ET UTILISATION D'UN PRODUIT PLAT EN ACIER DE CE TYPE**
[72] HOLLECK, ERHARD, DE
[72] SOWKA, EBERHARD, DE
[72] KAUP, BURKHARD, DE
[72] SCHIESTER, STEPHAN, DE
[73] THYSSENKRUPP STEEL EUROPE AG, DE
[73] THYSSENKRUPP RASSELSTEIN GMBH, DE
[85] 2015-09-03
[86] 2014-03-06 (PCT/EP2014/054368)
[87] (WO2014/135645)
[30] DE (10 2013 102 273.1) 2013-03-07

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[13] C
[51] **Int.Cl. C21B 7/00 (2006.01) C21B 5/00 (2006.01)**
[25] EN
[54] **BLAST FURNACE OPERATION METHOD**
[54] **PROCEDE D'EXPLOITATION DE HAUT-FOURNEAU**
[72] FUJIWARA DAIKI, JP
[72] MURAO AKINORI, JP
[73] JFE STEEL CORPORATION, JP
[85] 2015-09-03
[86] 2014-03-27 (PCT/JP2014/058793)
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[13] C
[51] **Int.Cl. G06Q 40/04 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING ELECTRONIC PRICE FEEDS FOR TRADEABLE OBJECTS**
[54] **SYSTEME ET METHODE DESTINES A FOURNIR DES PRIX DE PRODUITS ELECTRONIQUES RELATIFS A DES OBJETS ECHANGEABLES**
[72] PRATT, JEFFREY, US
[72] WEST, ROBERT A., US
[72] KAHLEY, KEVIN D., US
[73] TRADING TECHNOLOGIES INTERNATIONAL INC., US
[86] (2904071)
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[22] 2008-05-01
[62] 2,681,078
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[13] C
[51] **Int.Cl. H04W 4/021 (2018.01) G06F 3/16 (2006.01)**
[25] EN
[54] **SOUND SIGNAL-BASED LOCAL INTERACTIVE PLATFORM SYSTEM AND LOCAL INTERACTIVE SERVICE PROVIDING METHOD USING SAME**
[54] **SYSTEME DE PLATEFORME INTERACTIVE LOCALE BASEE SUR UN SIGNAL SONORE ET PROCEDE DE FOURNITURE DE SERVICE INTERACTIF LOCAL UTILISANT CE SYSTEME**
[72] CHOI, JAE-JOON, KR
[72] KIM, KYUNG-HOON, KR
[72] YOON, JU-NO, KR
[72] LEE, HYUN-MIN, KR
[73] YAP COMPANY, KR
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[54] **TRANSMITTER AND METHOD OF TRANSMITTING PAYLOAD DATA, RECEIVER AND METHOD OF RECEIVING PAYLOAD DATA IN AN OFDM SYSTEM**
[54] **EMETTEUR ET PROCEDE D'EMISSION DE DONNEES DE CHARGE UTILE, RECEPTEUR ET PROCEDE DE RECEPTION DE DONNEES DE CHARGE UTILE DANS UN SYSTEME A MROF**
[72] ATUNGSIRI, SAMUEL ASANGBENG, GB
[72] ZOELLNER, JAN, DE
[73] SONY CORPORATION, JP
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[54] **PARTNER SNORE FEATURE FOR ADJUSTABLE BED FOUNDATION**
[54] **ELEMENT POUR LE RONFLEMENT DU CONJOINT POUR UNE BASE DE LIT AJUSTABLE**
[72] STUSYNSKI, STACY, US
[72] CHEN, YI-CHING, US
[72] MCGUIRE, JOHN, US
[73] SLEEP NUMBER CORPORATION, US
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[54] **JOINT ASSEMBLY FOR A BUSDUCT**
[54] **DISPOSITIF DE RACCORD POUR CANIBAR**
[72] SHERIDAN, ADRIAN, AE
[72] MCCAULEY, DAMIAN, IE
[73] ELECTRICAL INTELLECTUAL PROPERTY LTD, IE
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[54] **METHOD AND APPARATUS FOR CUSTOMER DIRECT ON-LINE RESERVATION OF RENTAL VEHICLES VIA USER-SELECTED PATHS**
[54] **PROCEDE ET APPAREIL POUR UNE RESERVATION EN LIGNE DIRECTE DE CLIENT DE VEHICULES DE LOCATION PAR LE BIAIS DE CHEMINS SELECTIONNES PAR L'UTILISATEUR**
[72] FITZGERALD, NEIL, US
[72] BELANGER, HUGUES, US
[72] BORUFF, KELLI, US
[72] TUCKER, PAUL, US
[72] EVERSON, JEFFREY LEE, US
[73] THE CRAWFORD GROUP, INC., US
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[54] **FABRICATED DROP AXLE AND METHOD OF MANUFACTURING SAME**
[54] **ESSIEU CONCAVE MECANOSOUDE ET SON PROCEDE DE FABRICATION**
[72] HARASYM, MICHAEL ANTHONY, CA
[73] MTH MANUFACTURING INC., CA
[85] 2015-09-23
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[54] **SPACE BASED NETWORK FOR DETECTION AND MONITORING OF GLOBAL MARITIME SHIPPING USING AUTOMATIC IDENTIFICATION SYSTEM**
[54] **RESEAU SPATIAL DESTINE A DETECTER ET A SURVEILLER LE TRAFIC MONDIAL DE LA MARINE MARCHANDE EN UTILISANT UN SYSTEME AUTOMATIQUE D'IDENTIFICATION**
[72] STOLTE, JOHN, US
[72] HOPKO, ANTHONY, US
[72] ROBINSON, ANTHONY, US
[73] ORBCOMM, INC., US
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[87] (2908089)
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[54] **DEVICE FOR MEASURING STATE OF CONTACT OF SUPPORT ROLLER OF CONVEYOR BELT**
[54] **DISPOSITIF DE MESURE D'ETAT DE CONTACT DE ROULEAU DE SUPPORT AYANT UNE COURROIE TRANSPORTEUSE**
[72] MIYAJIMA, ATSUSHI, JP
[72] OZAWA, OSAMU, JP
[73] THE YOKOHAMA RUBBER CO., LTD., JP
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[54] **DISPOSITIF AUTOMATIQUE DE MISE AU REBUT DE COUCHES PAR TORSION**
[72] CHOMIK, RICHARD S., US
[73] EDGEWELL PERSONAL CARE CANADA, ULC, CA
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[54] **INTEGRATED BASEMENT VENTILATION APPARATUS**
[54] **APPAREIL INTEGRE DE VENTILATION DE SOUS-SOL**
[72] LEE, SU-BIN, KR
[73] VENTILATION INSTITUTE OF KOREA CO., LTD., KR
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[54] **ENSEMBLE ENDOSCOPE**
[72] TERLIUC, GAD, IL
[73] SMART MEDICAL SYSTEMS LTD., IL
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[54] **THREADED SLEEVE**
[54] **MANCHON FILETE**
[72] FARBER, WOLFGANG, DE
[73] RAMPA VERBINDUNGSTECHNIK GMBH & CO. KG, DE
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[25] EN
[54] **METHOD AND SYSTEM FOR TRANSMITTING A DATA FRAME OF AN ELECTROMAGNETIC TELEMETRY SIGNAL TO OR FROM A DOWNHOLE LOCATION**
[54] **PROCEDE ET SYSTEME DE TRANSMISSION D'UNE TRAME DE DONNEES D'UN SIGNAL DE TELEMETRIE ELECTROMAGNETIQUE VERS OU DEPUIS UN EMPLACEMENT EN FOND DE PUITS**
[72] SWITZER, DAVID, CA
[72] LIU, JILI, CA
[72] XU, MINGDONG, CA
[72] LOGAN, AARON W., CA
[73] EVOLUTION ENGINEERING INC., CA
[86] (2914592)
[87] (2914592)
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[54] **METHOD FOR THE DETECTION OF THE PROZONE EFFECT OF PHOTOMETRIC ASSAYS**
[54] **PROCEDE POUR LA DETECTION DE L'EFFET PROZONE DE DOSAGES PHOTOMETRIQUES**
[72] HEGEL, EWELINA, DE
[72] KURZ, GEORG, DE
[72] LOPEZ-CALLE, ELOISA, DE
[72] ROEDL, JOSEF, DE
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2015-12-07
[86] 2014-08-14 (PCT/EP2014/067443)
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[51] **Int.Cl. A61H 1/00 (2006.01) A61H 23/02 (2006.01)**
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[54] **PASSIVE SIMULATED JOGGING DEVICE**
[54] **DISPOSITIF DE JOGGING SIMULE PASSIF**
[72] SACKNER, MARVIN, US
[72] ADAMS, JOSE ANTONIO, US
[73] SACKNER, MARVIN, US
[73] ADAMS, JOSE ANTONIO, US
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[25] EN
[54] **ADDITIVE MANUFACTURING SYSTEMS FOR AND A METHOD OF SURFACE OVERLAY BEFORE JOINING, USING A PLURALITY OF ANCHORING MATERIALS**
[54] **SYSTEME DE FABRICATION D'ADDITIF ET PROCEDE DE REVETEMENT DE SURFACE AVANT JONCTION A L'AIDE D'UNE PLURALITE DE MATERIAUX D'ANCRAGE**
[72] ALBRECHT, BRUCE PATRICK, US
[72] HSU, CHRISTOPHER, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2015-12-09
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[25] EN
[54] **LIGHTWEIGHT GEAR ASSEMBLY FOR EPICYCLIC GEARBOX**
[54] **PIGNONNERIE LEGERE POUR BOITE DE VITESSES EPICYCLOIDALE**
[72] VAN DER MERWE, GERT J., US
[72] BRADLEY, DONALD ALBERT, US
[73] GENERAL ELECTRIC COMPANY, US
[85] 2015-12-15
[86] 2014-06-27 (PCT/US2014/044579)
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[25] EN
[54] **ARRANGEMENT FOR CONTROLLING PERCUSSIVE DRILLING PROCESS**
[54] **AGENCEMENT DE COMMANDE DE PROCESSUS DE FORAGE PAR PERCUSSION**
[72] PIRINEN, TUOMO, FI
[72] HUIKKOLA, MIIKA, FI
[72] MAKELA, MIKKO, FI
[72] HAVERINEN, EEMELI, FI
[72] HOKKA, JUHA, FI
[72] HEIKKILA, TOMMI, FI
[73] SANDVIK MINING AND CONSTRUCTION OY, FI
[85] 2015-12-18
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[51] **Int.Cl. H04N 7/01 (2006.01) H04N 21/2381 (2011.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR TRANSMITTING/RECEIVING BROADCAST SIGNAL IN HYBRID BROADCASTING SYSTEM**
[54] **PROCEDE ET APPAREIL DE TRANSMISSION/RECEPTION DE SIGNAL DE RADIODIFFUSION DANS UN SYSTEME DE RADIODIFFUSION HYBRIDE**
[72] OH, SEJIN, KR
[72] MOON, KYOUNGSOO, KR
[72] KWON, WOOSUK, KR
[73] LG ELECTRONICS INC., KR
[85] 2016-01-05
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[54] **OVERHEAD CONVEYING DEVICE HAVING A SECURING ELEMENT**
[54] **CONVOYEUR AERIEN EQUIPE D'UN ELEMENT DE SECURITE**
[72] HOSKER, TORSTEN, DE
[73] HOSKER, TORSTEN, DE
[85] 2016-01-21
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[25] EN
[54] **ANTIBODIES AGAINST A PROLIFERATING INDUCING LIGAND (APRIL)**
[54] **ANTICORPS CONTRE LE LIGAND A INDUISANT LA PROLIFERATION (APRIL)**
[72] MEDEMA, JAN PAUL, NL
[72] EENENNAAM, VAN HANS, NL
[72] GUADAGNOLI, MARCO, NL
[72] KIMBERLEY, FIONA CLARE, NL
[72] PHAN, UYEN TRUONG, NL
[73] ADURO BIOTECH HOLDINGS, EUROPE B.V., NL
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[54] **CONVECTION OVEN WITH LINEAR COUNTER-FLOW HEAT EXCHANGER**
[54] **FOUR A CONVECTION DOTE D'UN ECHANGEUR DE CHALEUR A CONTRE-COURANT LINEAIRE**
[72] HEGGE, STEPHEN B., US
[72] GILBERT, DANIEL LEE, US
[72] DEPNER, THOMAS E., US
[73] LBC BAKERY EQUIPMENT, INC., US
[86] (2920091)
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[54] **TERMINAL INFORMATION REPORTING METHOD AND RELATED DEVICE**
[54] **PROCEDE DE RAPPORT D'INFORMATIONS DE TERMINAL ET DISPOSITIF ASSOCIE**
[72] ZHANG, TAO, CN
[72] LIN, BO, CN
[72] CHEN, YANYAN, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2016-02-04
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[51] **Int.Cl. H01M 8/02 (2016.01) H01M 4/86 (2006.01) H01M 8/10 (2016.01)**
[25] EN
[54] **MEMBRANE ELECTRODE ASSEMBLY WITH FRAME, FUEL CELL SINGLE CELL, AND FUEL CELL STACK**
[54] **ENSEMBLE D'ELECTRODES MEMBRANAIRE, UNITE DE PILE A COMBUSTIBLE ET EMPILEMENT DE PILE A COMBUSTIBLE**
[72] KAGEYAMA, KAZUHIRO, JP
[72] SUGINO, MANABU, JP
[72] YASUTAKE, AKIRA, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2016-02-08
[86] 2014-06-17 (PCT/JP2014/066003)
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[25] EN
[54] **FREQUENCY BAND TABLE DESIGN FOR HIGH FREQUENCY RECONSTRUCTION ALGORITHMS**
[54] **CONCEPT DE TABLE DE BANDE DE FREQUENCE POUR DES ALGORITHMES DE RECONSTRUCTION HAUTE FREQUENCE**
[72] EKSTRAND, PER, SE
[72] KJOERLING, KRISTOFER, SE
[73] DOLBY INTERNATIONAL AB, NL
[85] 2016-02-09
[86] 2014-08-11 (PCT/EP2014/067168)
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[25] EN
[54] **OPHTHALMIC INJECTION DEVICE INCLUDING DOSAGE CONTROL DEVICE**
[54] **DISPOSITIF D'INJECTION OPHTALMIQUE COMPRENANT UN DISPOSITIF DE COMMANDE DE DOSAGE**
[72] DACQUAY, BRUNO, US
[72] LIND, CASEY, US
[72] DOS SANTOS, CESARIO, US
[72] SANCHEZ, ROBERT J., JR., US
[73] ALCON RESEARCH, LTD., US
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[54] **ATHLETIC BRA**
[54] **SOUTIEN-GORGE ADAPTE A LA PRATIQUE DU SPORT**
[72] BLACK, KAREN J., US
[72] BROWN, JEWEL L., US
[73] HBI BRANDED APPAREL ENTERPRISES, LLC, US
[85] 2016-02-10
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[54] **ROBINETTERIES DE SALLES DE BAIN**
[72] TIM, LUCAS, AU
[73] ART PLASTICS PTY LTD, AW
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[54] **POWERED NAILER WITH POSITIVE PISTON RETURN**
[54] **CLOUEUSE MOTORISEE AYANT UN RETOUR DE PISTON POSITIF**
[72] ZHAO, HANXIN, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2016-02-17
[86] 2014-09-03 (PCT/US2014/053948)
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[54] **ASYMMETRIC FASTENER RECESS AND KEY**
[54] **CREUX ET CLEF DE DISPOSITIF DE FIXATION ASYMETRIQUE**
[72] PINHEIRO, RODRIGO, US
[72] HAYLOCK, LUKE, US
[73] ARCONIC INC., US
[85] 2016-02-18
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[25] EN
[54] **APPARATUS, SYSTEM, AND METHOD FOR DETECTING THE PRESENCE OF AN INTOXICATED DRIVER AND CONTROLLING THE OPERATION OF A VEHICLE**
[54] **APPARATUS, SYSTEM, AND METHOD FOR DETECTING THE PRESENCE OF AN INTOXICATED DRIVER AND CONTROLLING THE OPERATION OF A VEHICLE**
[72] HANNON, MARWAN, US
[73] DRIVING MANAGEMENT SYSTEMS, INC., US
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[25] EN
[54] **METHOD FOR PRODUCING PYRROLE DERIVATIVE, AND INTERMEDIATE THEREOF**
[54] **PROCEDE POUR LA PRODUCTION DE DERIVE PYRROLE ET INTERMEDIAIRE CORRESPONDANT**
[72] WATANABE, MASASHI, JP
[72] NAGASAWA, HIROSHI, JP
[72] SATO, NORITADA, JP
[73] DAIICHI SANKYO COMPANY, LIMITED, JP
[85] 2016-02-24
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[25] EN
[54] **SOYBEAN VARIETY XB28AB15R**
[54] **VARIETE DE SOJA XB28AB15R**
[72] KALLEM, RANDY LEROY, US
[72] SALOIS, CATLYNN GAIL, US
[72] STREIT, LEON GEORGE, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (2922416)
[87] (2922416)
[22] 2016-03-03

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[54] **LADDERS, LADDER COMPONENTS AND RELATED METHODS**
[54] **ECHELLES, COMPOSANTS D'ECHELLE ET PROCEDES CONNEXES**
[72] MOSS, N. RYAN, US
[72] CRAWFORD, RYAN, US
[72] EMMEL, KEITH, US
[73] WING ENTERPRISES, INC., US
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[25] EN
[54] **SOYBEAN VARIETY XB07AB15R**
[54] **VARIETE DE SOJA XB07AB15R**
[72] KRASHENINNIK, NADIA NIKOLAYEVNA, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (2922518)
[87] (2922518)
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[25] EN
[54] **SOYBEAN VARIETY XB006F15R**
[54] **VARIETE DE SOJA XB006F15R**
[72] KRASHENINNIK, NADIA NIKOLAYEVNA, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (2922521)
[87] (2922521)
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[54] **SOYBEAN VARIETY XB006E15R**
[54] **VARIETE DE SOJA XB006E15R**
[72] KRASHENINNIK, NADIA NIKOLAYEVNA, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (2922527)
[87] (2922527)
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[25] EN
[54] **SOYBEAN VARIETY XB11V15R**
[54] **VARIETE DE SOJA XB11V15R**
[72] KRASHENINNIK, NADIA NIKOLAYEVNA, US
[72] VAN HERK, JOHN GERARD, CA
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
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[87] (2922552)
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[25] EN
[54] **METHOD OF PRODUCING AUTOMOBILE FUEL TANK**
[54] **METHODE DE PRODUCTION D'UN RESERVOIR DE CARBURANT POUR AUTOMOBILE**
[72] TANAKA, KOTARO, JP
[72] KITAMURA, HIROSHI, JP
[73] HONDA MOTOR CO., LTD., JP
[85] 2016-03-23
[86] 2014-09-25 (PCT/JP2014/075384)
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[30] JP (2013-197891) 2013-09-25
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[54] **METHOD OF PREPARING A PHOTOCHROMIC OPTICAL ARTICLE USING AN ORGANIC SOLVENT PRETREATMENT AND PHOTOCHROMIC COATING**
[54] **PROCEDE DE PREPARATION D'UN ARTICLE OPTIQUE PHOTOCHROMIQUE A L'AIDE D'UN PRETRAITEMENT PAR SOLVANT ORGANIQUE ET D'UN REVETEMENT PHOTOCHROMIQUE**
[72] KOENIG, JERRY L., II, US
[72] TURPEN, JOSEPH DAVID, US
[72] OWENS, GLEN TODD, US
[72] GRUCHACZ, NANCYANNE, US
[73] TRANSITIONS OPTICAL, INC., US
[85] 2016-03-24
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[25] EN
[54] **RECLAIMING DEVICE, METHOD, AND RECOVERY UNIT OF CO2, H2S, OR BOTH OF CO2 AND H2S**
[54] **DISPOSITIF DE RECUPERATION, METHODE ET MODULE DE RECUPERATION DE CO2, H2S OU DE CO2 ET H2S**
[72] TANAKA, HIROSHI, JP
[72] NAGAYASU, HIROMITSU, JP
[72] HIRATA, TAKUYA, JP
[72] YUKUMOTO, ATSUHIRO, JP
[72] OISHI, TSUYOSHI, JP
[72] NAKATANI, SHINSUKE, JP
[73] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[85] 2016-04-01
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[25] EN
[54] **AUTOMATIC DEVULCANIZING AND PLASTICIZING DEVICE AND METHOD FOR USING SAME**
[54] **DISPOSITIF AUTOMATIQUE DE DEVULCANISATION ET DE PLASTIFICATION ET SON PROCEDE D'UTILISATION**
[72] YUAN, QIANG (CHARLES), CA
[73] 6732667 MANITOBA INC., CA
[85] 2016-04-22
[86] 2014-10-23 (PCT/CA2014/051021)
[87] (WO2015/061895)
[30] US (61/896,892) 2013-10-29

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[54] **ANTITHROMBOTIC MATERIAL**
[54] **MATERIAU ANTITHROMBOTIQUE**
[72] KADOWAKI, KOJI, JP
[72] FUJITA, MASAKI, JP
[72] SAKAGUCHI, YUKA, JP
[72] TANAHASHI, KAZUHIRO, JP
[73] TORAY INDUSTRIES, INC., JP
[85] 2016-04-25
[86] 2014-11-27 (PCT/JP2014/081307)
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[25] EN
[54] **DISINFECTANT POWDER COMPOSITION COMPRISING PERACETIC ACID BLEACHABLE DYE**
[54] **COMPOSITION DE POUDRE DESINFECTANTE RENFERMANT UNE TEINTURE DECOLORABLE D'ACIDE PERACETIQUE**
[72] GLASBEY, TREVOR OWEN, AU
[73] WHITELEY CORPORATION PTY LTD, AU
[85] 2016-05-09
[86] 2014-11-11 (PCT/AU2014/001039)
[87] (WO2015/066760)
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[54] **ORAL IRRIGATOR WITH SLIDE PAUSE SWITCH**
[54] **IRRIGATEUR BUCCAL DOTE D'UN INTERRUPTEUR DE PAUSE COULISSANT**
[72] TAYLOR, KURT M., US
[72] LUETTGEN, HAROLD A., US
[72] JOHNSON, JEREMY JAMES, US
[73] WATER PIK, INC., US
[85] 2016-05-27
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[54] **KIT FOR BUILDING A CAGE FOR SPONDYLODESIS AND METHOD THEREFOR**
[54] **NECESSAIRE DE CONSTRUCTION D'UNE CAGE DE SPONDYLODESE ET METHODE ASSOCIEE**
[72] VOGT, SEBASTIAN, DE
[72] KLUGE, THOMAS, DE
[73] HERAEUS MEDICAL GMBH, DE
[86] (2932795)
[87] (2932795)
[22] 2016-06-09
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[54] **WASHING DEVICE AND METHOD FOR TUBE SECTIONS**
[54] **DISPOSITIF DE LAVAGE ET PROCEDE POUR SECTIONS TUBULAIRES**
[72] RATTUNDE, ULRICH, DE
[73] RATTUNDE & CO GMBH, DE
[85] 2016-06-14
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[54] **A VIBRATION DETECTION AND CANCELLATION CIRCUIT**
[54] **UN CIRCUIT DE DETECTION ET ANNULATION DE VIBRATION**
[72] SIMON, JOSEPH S., US
[73] CARNES COMPANY, INC., US
[86] (2933797)
[87] (2933797)
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[54] **PROCESSES FOR THE PREPARATION OF SGLT2 INHIBITORS**
[54] **PROCEDES DE PREPARATION D'INHIBITEURS DE SGLT2**
[72] LIOU, JASON, US
[72] WU, YUELIN, CN
[72] LI, SHENGBIN, CN
[72] XU, GE, CN
[73] THERACOS SUB, LLC, US
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[87] (2935838)
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[54] **HYDRAULIC PUMPING SYSTEM WITH DETECTION OF FLUID IN GAS VOLUME**
[54] **SYSTEME DE POMPAGE HYDRAULIQUE A DETECTION DE FLUIDE DANS UN VOLUME DE GAZ**
[72] LEMBCKE, JEFFREY J., US
[72] ROBISON, CLARK E., US
[72] SCHMITT, KENNETH J., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[73] AMFIELDS, LP, US
[86] (2936322)
[87] (2936322)
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[54] **ONE POT SYNTHESIS OF TETRAZOLE DERIVATIVES OF SIROLIMUS**
[54] **SYNTHESE DANS UN SEUL REACTEUR DE DERIVES DE TETRAZOLE DU SIROLIMUS**
[72] DHAON, MADHUP, US
[72] HSIAO, CHI-NUNG, US
[72] PATEL, SUBHASH, US
[72] BONK, PETER, US
[72] CHEMBURKAR, SANJAY, US
[72] CHEN, YONG, US
[73] ABBOTT LABORATORIES, US
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[87] (2936497)
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[25] EN
[54] **UNDER STRUCTURE OF BLIND APPARATUS AND BLIND APPARATUS HAVING THE SAME**
[54] **SOUS-STRUCTURE D'APPAREIL DE STORE ET APPAREIL DE STORE COMPORTANT LADITE SOUS-STRUCTURE**
[72] JANG, SEONG RYONG, KR
[73] WINTEC KOREA INC., KR
[86] (2936596)
[87] (2936596)
[22] 2016-07-20
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[25] EN
[54] **MINE VEHICLE AND METHOD OF INITIATING MINE WORK TASK**
[54] **VEHICULE MINIER ET PROCEDE D'INITIATION D'UNE TACHE DE TRAVAIL MINIER**
[72] PUURA, JUSSI, FI
[72] VON ESSEN, TOMI, FI
[73] SANDVIK MINING AND CONSTRUCTION OY, FI
[85] 2016-07-13
[86] 2015-01-14 (PCT/EP2015/050565)
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[25] EN
[54] **IMAGING PROBES UTILIZING ELECTROSTATIC ACTUATORS**
[54] **SONDES D'IMAGERIE ET DISPOSITIFS, SYSTEMES ET PROCEDES ASSOCIES UTILISANT DES ACTIONNEURS ELECTROSTATIQUES**
[72] WHEATLEY, BARRY, US
[73] NOVARTIS AG, CH
[85] 2016-07-22
[86] 2015-04-22 (PCT/US2015/027115)
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[51] **Int.Cl. A61F 7/12 (2006.01) A61M 25/01 (2006.01)**
[25] EN
[54] **HEAT EXCHANGE SYSTEM FOR PATIENT TEMPERATURE CONTROL WITH MULTIPLE COOLANT CHAMBERS FOR MULTIPLE HEAT EXCHANGE MODALITIES**
[54] **SYSTEME D'ECHANGE DE CHALEUR AYANT DE MULTIPLES CHAMBRES DE LIQUIDE FRIGORIGENE POUR DE MULTIPLES MODALITES D'ECHANGE DE CHALEUR POUR REGULER LA TEMPERATURE DE PATIENT**
[72] DABROWIAK, JEREMY THOMAS, US
[73] ZOLL CIRCULATION, INC., US
[85] 2016-08-03
[86] 2014-10-03 (PCT/US2014/059020)
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[25] EN
[54] **DUMP TRUCK**
[54] **CAMION-BENNE**
[72] URANAKA, KYOUJI, JP
[72] SASAKI, TAIGA, JP
[72] OKAMOTO, KOUICHI, JP
[72] OOTSUKA, TAKEO, JP
[73] KOMATSU LTD., JP
[85] 2016-08-22
[86] 2014-02-27 (PCT/JP2014/054978)
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[11] **2,944,380**
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[51] **Int.Cl. F16B 13/14 (2006.01) E21D 20/02 (2006.01) E21D 21/00 (2006.01)**
[25] EN
[54] **SECURING ARRANGEMENT WITH AXIALLY FIXED MASS EXTRUSION PLATE**
[54] **DISPOSITIF DE FIXATION COMPORTANT UN DISQUE D'EJECTION DE MATIERE FIXE AXIALEMENT**
[72] HAKENHOLT, CHRISTOPH, AT
[72] WILDERMUTH, ANKE, CH
[73] HILTI AKTIENGESELLSCHAFT, LI
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[51] **Int.Cl. E21B 23/01 (2006.01) E21B 17/00 (2006.01)**
[25] EN
[54] **TRAVEL STOP FOR EXPANSION TOOL TO LIMIT STRESS ON A SURROUNDING TUBULAR**
[54] **BUTEE DE COURSE POUR OUTIL D'EXPANSION POUR LIMITER LA CONTRAINTE SUR UN ELEMENT TUBULAIRE ENVIRONNANT**
[72] WILLIAMS, JEFFREY C., US
[72] RONCK, BENJAMIN T., US
[72] HU, ZIPING, US
[73] BAKER HUGHES INCORPORATED, US
[85] 2016-11-01
[86] 2015-05-11 (PCT/US2015/030171)
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[25] EN
[54] **PRIMERS AND PROBES FOR DETECTING HUMAN PAPILLOMAVIRUS AND HUMAN BETA GLOBIN SEQUENCES IN TEST SAMPLES**
[54] **AMORCES ET SONDES POUR LA DETECTION DU PAPILLOMAVIRUS HUMAIN ET DES SEQUENCES DE BETA GLOBINE HUMAINE DANS DES ECHANTILLONS TEST**
[72] ABRAVAYA, KLARA, US
[72] ERICKSON, BRIAN J., US
[72] HUANG, SHIHAI X., US
[72] MAK, WAI-BING X., US
[72] SALITURO, JOHN A., US
[72] TANG, NING, US
[73] ABBOTT MOLECULAR INC., US
[86] (2947959)
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[51] **Int.Cl. H01M 8/043 (2016.01) H01M 8/04664 (2016.01) H02J 9/00 (2006.01)**
[25] EN
[54] **BACK-UP FUEL CELL ELECTRIC GENERATOR COMPRISING A COMPACT MANIFOLD BODY, METHODS OF MANAGING THE OPERATION THEREOF**
[54] **GENERATEUR ELECTRIQUE DE RESERVE POUR PILE A COMBUSTIBLE, COMPRENANT UN CORPS DE COLLECTEUR COMPACT, ET PROCEDES DE GESTION DE FONCTIONNEMENT ASSOCIE**
[72] CHERCHI, PIERPAOLO, IT
[72] MERCANTE, LUCA, IT
[72] MUSSO, ANDREA, IT
[72] CEFFA, DARIO, IT
[72] BORELLO, LUISA, IT
[72] GIANOLIO, GIUSEPPE, IT
[73] ELECTRO POWER SYSTEMS S.P.A., IT
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[25] EN
[54] **MIXING NOZZLE FOR A BLENDED BEVERAGE FOR A MULTIPLE FLAVOR BEVERAGE DISPENSING SYSTEM**
[54] **BUSE DE MELANGE POUR UNE BOISSON MELANGEE POUR UN SYSTEME DE DISTRIBUTION DE BOISSONS A PLUSIEURS AROMES**
[72] HECHT, THOMAS R., US
[72] MARTINDALE, RICHARD A., US
[72] BAKER, BRET D., US
[73] AUTOMATIC BAR CONTROLS, INC., US
[85] 2016-12-21
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[54] **DEVICES AND SIMULATION PROCESS OF A MOBILE TELECOMMUNICATIONS NETWORK**
[54] **DISPOSITIFS ET PROCEDE DE SIMULATION D'UN RESEAU MOBILE DE TELECOMMUNICATIONS**
[72] LERBOUR, REGIS, FR
[72] TRIFAN, RAZVAN, RO
[73] INFOVISTA SAS, FR
[86] (2957390)
[87] (2957390)
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[54] **SEAL RING FOR VEHICLES**
[54] **BAGUE D'ETANCHEITE DESTINEE A DES VEHICULES**
[72] IZUMI, MASAO, JP
[73] HONDA MOTOR CO., LTD., JP
[86] (2958713)
[87] (2958713)
[22] 2017-02-16
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[25] EN
[54] **AUTOMATIC TRANSMISSION AND CONTROL METHOD OF AUTOMATIC TRANSMISSION**
[54] **TRANSMISSION AUTOMATIQUE ET METHODE DE COMMANDE DE TRANSMISSION AUTOMATIQUE**
[72] TAKA, SHOHEI, JP
[72] ARAKI, MITSUHIRO, JP
[72] HORIGUCHI, TAKASHI, JP
[73] HONDA MOTOR CO., LTD., JP
[86] (2958905)
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[30] JP (2016-037933) 2016-02-29

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[25] EN
[54] **MULTICHANNEL CLIP DEVICE AND METHODS OF USE**
[54] **DISPOSITIF DE PINCE MULTICANAL ET METHODES D'UTILISATION**
[72] JIANG, GUANGQIANG, US
[72] WOOCK, JOHN, US
[72] SCHROEDER, DENNIS, US
[72] SCHMID, ERIC, US
[72] DANDLER, ANDRES, US
[73] AXONICS MODULATION TECHNOLOGIES, INC., US
[85] 2017-02-28
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[25] EN
[54] **INFORMATION TERMINAL DEVICE, MOTION CAPTURE SYSTEM AND MOTION CAPTURE METHOD**
[54] **DISPOSITIF TERMINAL D'INFORMATION, SYSTEME DE CAPTURE DU MOUVEMENT ET METHODE DE CAPTURE DU MOUVEMENT**
[72] KAJI, KUNIHIKO, JP
[72] ANDO, TOSHIYA, JP
[72] MATSUSHITA, NOBUYUKI, JP
[72] NISHIMURA, TAKUYA, JP
[72] FUKUMA, SHINICHI, JP
[73] LEOMO, INC., US
[85] 2017-03-01
[86] 2015-09-04 (PCT/JP2015/075214)
[87] (WO2016/035884)
[30] JP (2014-180645) 2014-09-04

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[25] EN
[54] **A SENSOR DEVICE FOR PROVIDING MARINE VESSEL DATA**
[54] **DISPOSITIF CAPTEUR POUR FOURNIR DES DONNEES DE NAVIRE**
[72] PYORRE, JUSSI, FI
[72] AVIST, PYRY, FI
[73] ENIRAM OY, FI
[85] 2017-03-07
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[25] EN
[54] **BALANCED BIDIRECTIONAL BUCK-BOOST CONVERTERS AND ASSOCIATED SYSTEMS AND METHODS**
[54] **CONVERTISSEURS ABAISSEURS-ELEVATEURS BIDIRECTIONNELS EQUILIBRES ET SYSTEMES ET PROCEDES ASSOCIES**
[72] VOVOS, ROBERT J., US
[72] CARRUTHERS, PETER A., US
[72] LYONS, ARTHUR P., US
[73] BAE SYSTEMS CONTROLS INC., US
[85] 2017-03-23
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[25] EN
[54] **ENDOSCOPE INCLUDING A TORQUE GENERATION COMPONENT OR TORQUE DELIVERY COMPONENT DISPOSED WITHIN AN INSERTABLE PORTION OF THE ENDOSCOPE AND A SURGICAL CUTTING ASSEMBLY INSERTABLE WITHIN THE ENDOSCOPE**
[54] **ENDOSCOPE POURVU D'UN COMPOSANT GENEREUR DE COUPLE OU D'UN COMPOSANT DISTRIBUTEUR DE COUPLE LOGE DANS UNE PARTIE INSERABLE DE L'ENDOSCOPE, ET POURVU D'UN ENSEMBLE DE COUPE CHIRURGICAL INSERABLE DANS L'ENDOSCOPE**
[72] FURLONG, COSME, US
[72] MARCOUX, MICHAEL W., US
[72] WISDOM, RICHARD STEPHEN, US
[72] REBH, WILLIAM R., JR., US
[72] COSTA, EVAN, US
[72] EVANS, STEPHEN C., US
[73] INTERSCOPE, INC., US
[85] 2017-03-28
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[51] **Int.Cl. A44C 5/20 (2006.01)**
[25] EN
[54] **CLASPS HAVING A RELEASE BUTTON AND JEWELRY ARTICLES EMPLOYING SAME**
[54] **FERMOIRS COMPRENANT UN BOUTON DE LIBERATION, ET ARTICLES DE BIJOUTERIE LES UTILISANT**
[72] HINES, TROY, US
[72] HALPIN, DECLAN, US
[72] CHEN, HAOWEN, CN
[72] ZHANG, YONGQIANG, CN
[73] CHAMILIA, LLC, US
[85] 2017-04-26
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[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING A SUBSTANCE IN BODILY FLUID**
[54] **SYSTEMES ET PROCEDES POUR DETECTER UNE SUBSTANCE DANS UN FLUIDE CORPOREL**
[72] HERGET, MEIKE, US
[72] KNOPFMACHER, OREN S., US
[73] ESENSE, LLC, US
[85] 2017-05-12
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[51] **Int.Cl. H04N 9/07 (2006.01)**
[25] FR
[54] **MULTISPECTRAL IMAGE CAPTURE DEVICE COMPRISING A FILTER WHEEL**
[54] **APPAREIL DE SAISIE D'IMAGES MULTISPECTRALES COMPRENANT UNE ROUE A FILTRES**
[72] GEORGY, PIERRE-LUC, FR
[73] AIRBUS DEFENCE AND SPACE SAS, FR
[85] 2017-07-28
[86] 2014-12-24 (PCT/EP2014/079332)
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[25] EN
[54] **CASTING SAND COOLER**
[54] **DISPOSITIF DE REFROIDISSEMENT DE SABLE DE MOULAGE**
[72] SEILER, ANDREAS, DE
[72] GERL, STEFAN, DE
[72] LI, FENG, CN
[73] MASCHINENFABRIK GUSTAV EIRICH GMBH & CO. KG, DE
[85] 2017-08-15
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[25] EN
[54] **HYDRAULIC CONTROL DEVICE FOR DRIVE POWER DISTRIBUTION DEVICE**
[54] **DISPOSITIF DE COMMANDE HYDRAULIQUE POUR DISPOSITIF DE DISTRIBUTION DE PUISSANCE D'ENTRAINEMENT**
[72] YOSHIDA, YUMA, JP
[73] HONDA MOTOR CO.,LTD., JP
[85] 2017-08-16
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[25] EN
[54] **ERASE ACE 2 IN 1 CHALK DISPENSER**
[54] **EFFACE ET DISTRIBUTRICE DE CRAIE 2-EN-1**
[72] UNKNOWN, ZZ
[71] FARRAUTO, LARRY, CA
[22] 2016-10-03
[41] 2018-04-03

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[13] A1
[51] **Int.Cl. A47K 7/00 (2006.01) A45D 29/00 (2006.01) A46B 15/00 (2006.01) A47K 5/12 (2006.01) A61H 7/00 (2006.01)**
[25] FR
[54] **UNKNOWN**
[54] **INCONNUE**
[72] LE SIEUR, YVON, CA
[71] 9888977 CANADA INC., CA
[22] 2016-10-03
[41] 2018-04-03

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[13] A1
[51] **Int.Cl. B64F 5/23 (2017.01) B64D 15/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR WASHING AND DE-ICING AIRCRAFTS**
[54] **SYSTEME ET METHODE DE LAVAGE ET DEGLACAGE D'AERONEFS**
[72] MAELAND, SVEIN GUNNAR, NO
[71] MSG PRODUCTION AS, NO
[22] 2016-10-03
[41] 2018-04-03

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[13] A1
[51] **Int.Cl. G03B 21/00 (2006.01) A47C 21/00 (2006.01) A47C 31/00 (2006.01)**
[25] EN
[54] **PROJECTOR FIXED ON ELECTRIC BED**
[54] **PROJECTEUR FIXE SUR UN LIT ELECTRIQUE**
[72] HUANG, CHI-CHUNG, TW
[71] APEX HEALTH CARE MFG. INC., CN
[22] 2016-10-03
[41] 2018-04-03

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[13] A1
[51] **Int.Cl. B62M 1/00 (2010.01)**
[25] FR
[54] **BICYCLE LEVER REDUCING PEDALLING RESISTANCE FOR CYCLIST**
[54] **MANIVELLE DE VELO DIMINUANT LA RESISTANCE AU PEDALAGE D'UN CYCLISTE**
[72] TREMBLAY, VINCENT, CA
[71] TREMBLAY, VINCENT, CA
[22] 2016-10-03
[41] 2018-04-03

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[13] A1
[51] **Int.Cl. E02D 27/42 (2006.01)**
[25] EN
[54] **PREPARATION OF POLE BUILDING FOOTINGS**
[54] **PREPARATION DE FONDATIONS DE BATIMENT SUR POUTRELLE**
[72] NOLIN, SHAWN, CA
[71] CIA BUILDINGS LTD., CA
[22] 2016-10-04
[41] 2018-04-04

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[21] **2,944,083**
[13] A1
[51] **Int.Cl. A01B 1/20 (2006.01)**
[25] EN
[54] **DOUBLE-ENDED GARDEN TOOL**
[54] **OUTIL DE JARDIN A DOUBLE EXTREMITE**
[72] GIBB, JENNIFER R., CA
[71] GIBB, JENNIFER R., CA
[22] 2016-10-04
[41] 2018-04-04

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[13] A1
[51] **Int.Cl. H04W 8/20 (2009.01) H04W 4/24 (2018.01) G06Q 20/32 (2012.01)**
[25] EN
[54] **PROVISIONING OF SECURE APPLICATION**
[54] **FOURNITURE D'UNE APPLICATION SECURISEE**
[72] SALAMA, HISHAM IBRAHIM, CA
[72] CHAN, PAUL MON-WAH, CA
[72] LEE, JOHN JONG SUK, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2016-10-04
[41] 2018-04-04

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[13] A1
[51] **Int.Cl. G06Q 20/24 (2012.01) G06F 3/0481 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DYNAMIC USER INTERFACE MODIFICATION**
[54] **SYSTEMES ET METHODES DE MODIFICATION D'INTERFACE UTILISATEUR DYNAMIQUE**
[72] MOGHAIZEL, JOE, CA
[72] ALLEN, TRICIA ELIZABETH, CA
[72] CHAN, PAUL MON-WAH, CA
[72] LEE, JOHN JONG SUK, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2016-10-04
[41] 2018-04-04

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[13] A1
[51] **Int.Cl. F04B 49/12 (2006.01) F04B 13/00 (2006.01) F04B 53/10 (2006.01)**
[25] EN
[54] **VARIABLE DISPLACEMENT FLUID PUMP**
[54] **POMPE A FLUIDE A DEPLACEMENT VARIABLE**
[72] KIDD, JAMES, CA
[71] KIDD, JAMES, CA
[22] 2016-10-04
[41] 2018-04-04

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[13] A1
[51] **Int.Cl. A63B 67/06 (2006.01) A63B 63/00 (2006.01)**
[25] EN
[54] **TARGET GAME SYSTEM AND METHOD**
[54] **SYSTEME DE JEU DE CIBLE ET METHODE**
[72] BURDAN, JAMES B., CA
[71] BURDAN, JAMES B., CA
[22] 2016-10-04
[41] 2018-04-03
[30] US (15284402) 2016-10-03

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[13] A1
[51] **Int.Cl. E04H 17/26 (2006.01) E04H 17/16 (2006.01)**
[25] EN
[54] **FILL FENCE AND METHOD AND SYSTEM FOR INSTALLING SAME**
[54] **CLOTURE DE REMPLISSAGE, ET METHODE ET SYSTEME D'INSTALLATION ASSOCIEE**
[72] LAMOND, ROBERT, CA
[71] STURDA INC., CA
[22] 2016-10-04
[41] 2018-04-04

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[13] A1
[51] **Int.Cl. B60P 1/04 (2006.01) B62D 63/06 (2006.01) B62D 63/08 (2006.01)**
[25] EN
[54] **LATCHING ASSEMBLY FOR A TILT BED TRAILER**
[54] **MECANISME DE VERROUILLAGE DESTINE A UNE REMORQUE A PLATEAU INCLINE**
[72] SELZER, MARK, CA
[72] STRELIC, RAYMOND, CA
[72] SAWCYN, ROD, CA
[71] BRANDT INDUSTRIES LTD., CA
[22] 2016-10-05
[41] 2018-04-05

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[13] A1
[51] **Int.Cl. G06F 17/30 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TIMING DATA TRANSFER IN A DATABASE**
[54] **SYSTEMES ET METHODES DE SYNCHRONISATION DE TRANSFERT DE DONNEES DANS UNE BASE DE DONNEES**
[72] ESPOSITO, HELENE, CA
[72] CHAN, PAUL MON-WAH, CA
[72] LEE, JOHN JONG-SUK, CA
[72] JETHWA, RAKESH THOMAS, CA
[71] THE TORONTO-DOMINION BANK, CA
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[51] **Int.Cl. G06Q 20/00 (2012.01) G06F 3/0488 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FACILITATING ACCESS TO ELECTRONIC DATA**
[54] **SYSTEME ET METHODE SERVANT A FACILITER L'ACCES AUX DONNEES ELECTRONIQUES**
[72] AGGARWAL, GARIMA, CA
[72] CHAN, PAUL MON-WAH, CA
[72] LEE, JOHN JONG SUK, CA
[72] TSERETOPOULOS, DEAN C. N., CA
[71] THE TORONTO-DOMINION BANK, CA
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[51] **Int.Cl. G03F 7/00 (2006.01)**
[25] EN
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[54] **SYSTEME DE STEREOLITHOGRAPHIE AMELIOREE**
[72] CASTANON, DIEGO, CA
[71] FORTIER, RAYMOND, CA
[71] CASTANON, DIEGO, CA
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[13] A1
[51] **Int.Cl. B60P 7/08 (2006.01) B65H 54/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR WINDING STRAPS**
[54] **METHODE ET APPAREIL D'ENROULEMENT DE SANGLES**
[72] EVANS, RYAN W., CA
[71] MONSTER DEVICES INC., CA
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[51] **Int.Cl. G06Q 20/00 (2012.01) G06F 3/0488 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FACILITATING ACCESS TO ELECTRONIC DATA**
[54] **SYSTEME ET METHODE SERVANT A FACILITER L'ACCES AUX DONNEES ELECTRONIQUES**
[72] AGGARWAL, GARIMA, CA
[72] SALAMA, HISHAM IBRAHIM, CA
[72] JETHWA, RAKESH THOMAS, CA
[72] CHAN, PAUL MON-WAH, CA
[72] LEE, JOHN JONG SUK, CA
[72] TSERETOPOULOS, DEAN C. N., CA
[72] COSSITT, AMBER ROSE, CA
[71] THE TORONTO-DOMINION BANK, CA
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[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01) G06F 3/14 (2006.01) G06Q 40/00 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING ACCESS TO CONTENT TO BE DISPLAYED ON AN ELECTRONIC DISPLAY**
[54] **SYSTEME ET METHODE DE CONTROLE D'ACCES AU CONTENU A AFFICHER SUR UN AFFICHEUR ELECTRONIQUE**
[72] AGGARWAL, GARIMA, CA
[72] SALAMA, HISHAM IBRAHIM, CA
[72] JETHWA, RAKESH THOMAS, CA
[72] CHAN, PAUL MON-WAH, CA
[72] LEE, JOHN JONG SUK, CA
[72] TSERETOPOULOS, DEAN C. N., CA
[72] COSSITT, AMBER ROSE, CA
[71] THE TORONTO-DOMINION BANK, CA
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[41] 2018-04-05

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[51] **Int.Cl. B63B 3/00 (2006.01) B63B 35/66 (2006.01)**
[25] EN
[54] **ARTICULATING TUG BARGE HULL**
[54] **COQUE DE CHALAND REMORQUE A ARTICULATION**
[72] VAN DIEPEN, PETER, CA
[71] VAN DIEPEN, PETER, CA
[22] 2016-10-05
[41] 2018-04-05

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[13] A1
[51] **Int.Cl. A61K 47/66 (2017.01) A61K 31/18 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) C07K 5/027 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR THE TREATMENT OF PLATINUM-DRUG RESISTANT CANCER**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE CANCER RESISTANT A UN MEDICAMENT A BASE DE PLATINE**
[72] BABCOOK, JOHN, CA
[72] RICH, JAMES R., CA
[72] DAUGAARD, MADS, CA
[72] EL-SALANTI, ALI, DK
[71] ZYMEWORKS INC., CA
[71] VAR2 PHARMACEUTICALS APS, DK
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[13] A1
[51] **Int.Cl. E04H 15/02 (2006.01) F03D 80/00 (2016.01)**
[25] EN
[54] **COVERING TENT FOR SURROUNDING A WIND TURBINE AT ITS BASE DURING A GROUTING OPERATION**
[54] **TENTE DE RECOUVREMENT SERVANT A ENTOURER UNE EOLIENNE A SA BASE PENDANT UNE OPERATION DE POSE DE MORTIER**
[72] THIESSEN, CALVIN, CA
[71] WINKLER CANVAS LTD., CA
[22] 2016-10-05
[41] 2018-04-05

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[51] **Int.Cl. G06T 15/00 (2011.01) A63F 13/52 (2014.01)**
[25] EN
[54] **METHODS, SYSTEMS AND COMPUTER-READABLE MEDIA FOR DIFFUSE GLOBAL ILLUMINATION USING PROBES**
[54] **METHODES, SYSTEMES ET SUPPORT INFORMATIQUE DESTINES A DIFFUSER UN ECLAIRAGE GLOBAL AU MOYEN DE SONDES**
[72] LEBLANC, LUC, CA
[72] DUFORT, JEAN-FRANCOIS, CA
[71] SQUARE ENIX, LTD., GB
[22] 2016-10-04
[41] 2018-04-04

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[13] A1
[51] **Int.Cl. E05F 1/10 (2006.01)**
[25] EN
[54] **DOOR CLOSER**
[54] **DISPOSITIF DE FERMETURE DE PORTE**
[72] HUGHES, IAN, GB
[71] HUGHES, IAN, GB
[22] 2016-10-06
[41] 2018-04-06

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[13] A1
[51] **Int.Cl. E21B 41/00 (2006.01) E21B 47/12 (2012.01)**
[25] EN
[54] **DEVICE FOR ISOLATING A TOOL FROM AXIAL VIBRATION WHILE MAINTAINING CONDUCTOR CONNECTIVITY**
[54] **DISPOSITIF D'ISOLATION D'UN OUTIL DE LA VIBRATION AXIALE TOUT EN MAINTENANT LA CONNECTIVITE DU CONDUCTEUR**
[72] CHRISTOPHER, KEITH J., CA
[72] PICIOREANU, BOGDAN A., CA
[72] SEITZ, KYLE, CA
[71] CATHEDRAL ENERGY SERVICES LTD., CA
[22] 2016-10-07
[41] 2018-04-07

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[13] A1
[51] **Int.Cl. G07C 5/08 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MONITORING OPERATION OF A VEHICLE**
[54] **METHODE ET APPAREIL DE SURVEILLANCE DU FONCTIONNEMENT D'UN VEHICULE**
[72] CORRIE, NICHOLAS CHARLES, GB
[72] FINCH, PETER, GB
[72] MAHMOUDZADEH, KAMRAN, GB
[72] COTTRILL, ALAN WILLIAM CLEMENT, GB
[71] TRAK (GLOBAL SOLUTIONS) LIMITED, GB
[22] 2016-10-07
[41] 2018-04-07

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[13] A1
[51] **Int.Cl. G06F 17/00 (2006.01) G06Q 20/00 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ENABLING A DATA EXCHANGE**
[54] **SYSTEME ET METHODE SERVANT A PERMETTRE L'ECHANGE DE DONNEES**
[72] MOGHAIZEL, JOE, CA
[72] ALLEN, TRICIA ELIZABETH, CA
[72] CHAN, PAUL MON-WAH, CA
[72] LEE, JOHN JONG SUK, CA
[72] JETHWA, RAKESH THOMAS, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2016-10-05
[41] 2018-04-05

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[13] A1
[51] **Int.Cl. A63B 69/36 (2006.01) A63B 67/02 (2006.01)**
[25] FR
[54] **OUTIL DE PRATIQUE ET DE JEU SUR UN VERT DE GOLF**
[54] **GOLF PUTTING GAME AND PRACTICE TOOL**
[72] COUTURE, REMY, CA
[71] COUTURE, REMY, CA
[22] 2016-10-07
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[13] A1
[51] **Int.Cl. C40B 50/06 (2006.01) C12N 15/10 (2006.01) C12P 19/34 (2006.01) C40B 40/06 (2006.01)**
[25] EN
[54] **PCR-BASED METHOD FOR GENERATING MULTISITE SATURATION MUTAGENIC DNA LIBRAIRIES**
[54] **METHODE FONDEE SUR L'ACP EN VUE DE PRODUIRE DES BIBLIOTHEQUES D'ADN MUTAGENIQUE PAR SATURATION MULTISITE**
[72] WAN, LEO, CA
[72] YEH, CHRISTINA, CA
[71] RANOMICS INC., CA
[22] 2016-10-07
[41] 2018-04-07

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[13] A1
[51] **Int.Cl. H04L 9/30 (2006.01)**
[25] EN
[54] **CERTIFICATE AUTHORITY MASTER KEY TRACKING ON DISTRIBUTED LEDGER**
[54] **SUIVI DE CLE MAITRESSE D'AUTORITE DE CERTIFICAT SUR UN JOURNAL DISTRIBUE**
[72] HALDENBY, PERRY AARON JONES, CA
[72] CHOW, ARTHUR CARROLL, CA
[72] CHAN, PAUL MON-WAH, CA
[72] LEE, JOHN JONG SUK, CA
[72] TAO, LING, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2016-10-05
[41] 2018-04-05
[30] US (15/285,757) 2016-10-05

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[51] **Int.Cl. A01C 7/20 (2006.01) A01C 5/06 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **MODULAR METERING APPARATUS FOR AN AIR SEEDER**
[54] **APPAREIL DE MESURE MODULAIRE DESTINE A UN SEMOIR PNEUMATIQUE**
[72] BEAUJOT, NORBERT, CA
[72] MICHALUK, DANIEL, CA
[71] SEEDMASTER MANUFACTURING LTD., CA
[22] 2016-10-07
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[51] **Int.Cl. E02D 7/00 (2006.01) E02D 3/12 (2006.01) E02D 5/00 (2006.01) E02D 5/66 (2006.01)**
[25] EN
[54] **STRUCTURAL SUPPORT**
[54] **SUPPORT STRUCTURAL**
[72] MOROSCHAN, CASEY, CA
[71] MOROSCHAN, CASEY, CA
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[51] **Int.Cl. A47J 43/28 (2006.01) A47J 31/00 (2006.01) A47J 45/00 (2006.01)**
[25] EN
[54] **COFFEE FILTER SCOOP**
[54] **LOUPE DE FILTRE A CAFE**
[72] PAYETTE, JAMES G., CA
[71] PAYETTE, JAMES G., CA
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[51] **Int.Cl. G06F 17/00 (2006.01) G06Q 40/02 (2012.01) G06F 17/30 (2006.01)**
[25] EN
[54] **SECURE ELEMENT METHOD FOR DISTRIBUTED ELECTRONIC LEDGER**
[54] **METHODE DE FIXATION D'ELEMENT DESTINE A UN JOURNAL ELECTRONIQUE DISTRIBUE**
[72] MCDONALD, IAN JAMES, CA
[72] MCPHEE, ADAM DOUGLAS, CA
[72] HALDENBY, PERRY AARON JONES, CA
[72] CHAN, PAUL MON-WAH, CA
[72] LEE, JOHN JONG SUK, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2016-10-07
[41] 2018-04-07

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[51] **Int.Cl. G06Q 30/00 (2012.01)**
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[54] **DISTRIBUTED ELECTRONIC LEDGER WITH METADATA**
[54] **JOURNAL ELECTRONIQUE DISTRIBUE COMPORTANT DES METADONNEES**
[72] MCDONALD, IAN JAMES, CA
[72] MCPHEE, ADAM DOUGLAS, CA
[72] HALDENBY, PERRY AARON JONES, CA
[72] LEE, JOHN JONG SUK, CA
[72] CHAN, PAUL MON-WAH, CA
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[41] 2018-04-05
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[51] **Int.Cl. A47K 13/26 (2006.01) B25F 1/00 (2006.01) B25B 13/00 (2006.01) B25B 15/00 (2006.01) E03D 11/13 (2006.01)**
[25] EN
[54] **TOILET SEAT TIGHTENING KIT**
[54] **TROUSSE DE SERRAGE DE SIEGE DE TOILETTE**
[72] DEL DUKE, MATTHEW JAMES, US
[72] GRECO, CHRISTOPHER ERNEST, US
[71] GINSEY INDUSTRIES, INC., US
[22] 2016-10-31
[41] 2018-04-04
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[51] **Int.Cl. B60J 11/04 (2006.01)**
[25] EN
[54] **VEHICLE PROTECTIVE COVERING SYSTEM AND METHOD**
[54] **SYSTEME DE HOUSSE PROTECTRICE DE VEHICULE ET METHODE**
[72] TESTER, KATHLEEN, CA
[71] TESTER, KATHLEEN, CA
[22] 2016-11-24
[41] 2018-04-04
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[25] EN
[54] **MAGNETICALLY ATTACHED BATTERY PACK WITH AUDIO INTERFACE**
[54] **BLOC-PILE FIXE DE MANIERE MAGNETIQUE DOTE D'UNE INTERFACE AUDIO**
[72] MCSWEYN, CHRISTOPHER MICHAEL, US
[72] ALVES, VINCE, US
[71] SCOSCHE INDUSTRIES, INC., US
[22] 2017-01-31
[41] 2018-04-05
[30] US (15/352,432) 2016-11-15
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[51] **Int.Cl. H01H 71/00 (2006.01) H01H 83/00 (2006.01)**
[25] EN
[54] **MULTIPLE CORE TRANSFORMER ASSEMBLY**
[54] **TRANSFORMATEUR A NOYAU MULTIPLE**
[72] JANSEN, RONALD, US
[72] KAMOR, MICHAEL, US
[72] OSTROVSKY, MICHAEL, US
[72] LOMBARDI, ALFRED J., US
[71] LEVITON MANUFACTURING CO., INC., US
[22] 2017-02-16
[41] 2018-04-07
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[25] EN
[54] **BACILLUS COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS DE BACILLE ET UTILISATIONS ASSOCIEES**
[72] PENET, CHRISTOPHER S., US
[72] GEBRECHRISTOS, SEBHAT, US
[72] BEST, CAROLINE HELEN, US
[72] WINETZKY, DEBORAH S., US
[72] LITTLE, ROBERT DANIEL, US
[72] SPEARS, JESSICA, US
[72] SCHULER, CHRISTOPHER, US
[71] BIO-CAT, INC., US
[22] 2017-02-27
[41] 2018-04-03
[30] US (62/403,467) 2016-10-03

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[51] **Int.Cl. E04B 1/24 (2006.01) E04B 1/38 (2006.01) E04C 5/01 (2006.01) F16B 7/00 (2006.01) F16S 3/04 (2006.01)**
[25] EN
[54] **GUSSET PLATE AND COLUMN ASSEMBLY FOR MOMENT RESISTING BI-AXIAL BEAM-TO-COLUMN JOINT CONNECTIONS**
[54] **ENSEMBLE DE PLAQUE ET COLONNE DE GOUSSET DESTINE AUX CONNEXIONS DE RACCORD BIAXIAL POUTRE-COLONNE RESISTANT AU MOMENT**
[72] HOUGHTON, DAVID L., US
[71] MITEK HOLDINGS, INC., US
[22] 2017-04-27
[41] 2018-04-03
[30] US (15/284,107) 2016-10-03
[30] US (15/284,142) 2016-10-03

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[13] A1
[51] **Int.Cl. B64C 11/02 (2006.01) B64D 33/00 (2006.01) F01D 5/02 (2006.01)**
[25] EN
[54] **INTEGRALLY BLADED FAN ROTOR**
[54] **ROTOR DE VENTILATEUR A PALES INTEGREES**
[72] ELEFTHERIOU, ANDREAS, CA
[72] IVAKITCH, RICHARD, CA
[72] MENHEERE, DAVID, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2017-05-23
[41] 2018-04-05
[30] US (15/286,078) 2016-10-05

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[51] **Int.Cl. A47G 9/10 (2006.01)**
[25] EN
[54] **NECK PILLOW**
[54] **OREILLER DE COU**
[72] VICTOR, MARK, US
[71] VICTOR, MARK, US
[22] 2017-05-26
[41] 2018-04-05
[30] US (15/286,228) 2016-10-05

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[13] A1
[51] **Int.Cl. B60P 1/04 (2006.01) B60P 1/28 (2006.01) B62D 63/06 (2006.01)**
[25] EN
[54] **LATCHING ASSEMBLY FOR A TILT BED TRAILER**
[54] **MECANISME DE VERROUILLAGE DESTINE A UNE REMORQUE A PLATEAU INCLINE**
[72] SELZER, MARK, CA
[72] STRELIC, RAYMOND, CA
[72] SAWCYN, ROD, CA
[71] BRANDT INDUSTRIES LTD., CA
[22] 2017-06-08
[41] 2018-04-05
[30] CA (2,944,265) 2016-10-05

[21] **2,970,293**
[13] A1
[51] **Int.Cl. F16B 21/18 (2006.01) F16B 23/00 (2006.01) F16B 37/02 (2006.01)**
[25] EN
[54] **QUICK-DISCONNECT FASTENING SYSTEM**
[54] **SYSTEME DE FIXATION A DEGAGEMENT RAPIDE**
[72] FORREST, EARL DAVID, US
[72] GIRI, SAGAR KISHOR, IN
[72] MOHANDOSS, JEGATHEESAN, IN
[71] LIBERTY HARDWARE MFG. CORP., US
[22] 2017-06-12
[41] 2018-04-04
[30] IN (201611033994) 2016-10-04

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[13] A1
[51] **Int.Cl. F02K 1/78 (2006.01) F01D 25/30 (2006.01) F02K 1/48 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REDUCTION OF TURBINE EXHAUST GAS IMPINGEMENT ON ADJACENT AIRCRAFT STRUCTURE**
[54] **SYSTEME ET METHODE DE REDUCTION DE L'EFFET DU GAZ D'ECHAPPEMENT DE TURBINE SUR UNE STRUCTURE D'AERONEF ADJACENTE**
[72] SUTTERFIELD, DAVID LEVI, US
[72] PIERLUISSI, ANTHONY FRANK, US
[72] LERG, BRYAN HENRY, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES INC., US
[22] 2017-07-11
[41] 2018-04-07
[30] US (15/288,303) 2016-10-07

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[13] A1
[51] **Int.Cl. A01C 5/06 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **PORT INTERFACE FOR A PNEUMATIC DISTRIBUTION SYSTEM**
[54] **INTERFACE D'ORIFICE DESTINEE A UN SYSTEME DE DISTRIBUTION PNEUMATIQUE**
[72] THOMPSON, DENNIS GEORGE, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2017-07-14
[41] 2018-04-06
[30] US (15/286,980) 2016-10-06

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[13] A1
[51] **Int.Cl. B60B 33/00 (2006.01) A01B 63/16 (2006.01) A01B 76/00 (2006.01)**
[25] EN
[54] **CASTER WHEEL ASSEMBLY FOR AN AGRICULTURAL IMPLEMENT SYSTEM**
[54] **ENSEMBLE DE ROUE PIVOTANTE DESTINE A UN SYSTEME D'ACCESSOIRE AGRICOLE**
[72] ANDERSON, BRIAN JOHN, US
[72] PEDERSON, NICHOLAS RYAN, US
[72] SCHROEDER, WILLIAM, US
[72] PRICKEL, MARVIN A., US
[71] CNH INDUSTRIAL AMERICA LLC, US
[22] 2017-07-14
[41] 2018-04-05
[30] US (15/286,197) 2016-10-05

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[13] A1
[51] **Int.Cl. A01C 7/08 (2006.01) A01C 5/06 (2006.01) A01C 7/20 (2006.01)**
[25] EN
[54] **PORT INTERFACE FOR A PNEUMATIC DISTRIBUTION SYSTEM**
[54] **INTERFACE D'ORIFICE DESTINEE A UN SYSTEME DE DISTRIBUTION PNEUMATIQUE**
[72] THOMPSON, DENNIS GEORGE, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2017-07-14
[41] 2018-04-06
[30] US (15/286,938) 2016-10-06

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[13] A1
[51] **Int.Cl. G08G 5/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETERMINING EFFECTIVE APPROACH ANGLE AND PREDICTING AIRCRAFT LANDING DISTANCE**
[54] **METHODE ET SYSTEME DE DETERMINATION EFFICACE D'ANGLE D'APPROCHE ET DE PREDICTION DE DISTANCE D'ATTERRISSAGE D'UN AERONEF**
[72] HE, GANG, US
[72] JOHNSON, STEVE, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2017-07-21
[41] 2018-04-06
[30] US (15/287,276) 2016-10-06

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[13] A1
[51] **Int.Cl. C23C 8/40 (2006.01) C23C 8/02 (2006.01)**
[25] EN
[54] **ANTI-CORROSION AND/OR PASSIVATION COMPOSITIONS FOR METAL-CONTAINING SUBSTRATES AND METHODS FOR MAKING, ENHANCING, AND APPLYING THE SAME**
[54] **COMPOSITIONS D'ANTICORROSION OU DE PASSIVATION DESTINEES AUX SUBSTRATS COMPORTANT DU METAL ET METHODES DE FABRICATION, AMELIORATION ET APPLICATION ASSOCIEES**
[72] KRYZMAN, MICHAEL A., US
[72] ZAFIRIS, GEORGIOS S., US
[72] JAWOROWSKI, MARK R., US
[72] ZHANG, WEILONG, US
[72] PANZA-GIOSA, ROQUE, CA
[72] MANZINI, MARILEA, CA
[71] GOODRICH CORPORATION, US
[22] 2017-08-02
[41] 2018-04-07
[30] US (15/288,972) 2016-10-07

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[51] **Int.Cl. H02K 21/02 (2006.01) B64D 35/00 (2006.01) F01D 15/10 (2006.01) F02C 7/32 (2006.01) F02C 7/36 (2006.01) H02K 7/18 (2006.01)**
[25] EN
[54] **COUNTER-ROTATING ELECTRIC GENERATOR IN TURBINE ENGINE**
[54] **GENERATEUR ELECTRIQUE A CONTRE ROTATION DANS UNE TURBINE**
[72] AUKER, BRADLEY EUGENE, US
[72] RICE, EDWARD CLAUDE, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[22] 2017-08-10
[41] 2018-04-05
[30] US (15/286,185) 2016-10-05

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[13] A1
[51] **Int.Cl. H02K 16/00 (2006.01) B64D 35/00 (2006.01) F01D 15/10 (2006.01) F02C 7/32 (2006.01) F02C 7/36 (2006.01) H02K 7/18 (2006.01) H02K 21/24 (2006.01)**
[25] EN
[54] **MULTIPLE COIL ELECTRIC GENERATOR IN TURBINE ENGINE**
[54] **GENERATEUR ELECTRIQUE MULTIBOBINE DANS UNE TURBINE**
[72] AUKER, BRADLEY EUGENE, US
[72] RICE, EDWARD CLAUDE, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[22] 2017-08-10
[41] 2018-04-05
[30] US (15/286,165) 2016-10-05

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[13] A1
[51] **Int.Cl. E06B 7/16 (2006.01) E05B 15/02 (2006.01) E06B 1/52 (2006.01) E06B 3/36 (2006.01)**
[25] EN
[54] **ASTRAGAL**
[54] **ASTRAGALE**
[72] KENDALL, ADAM, US
[72] JASKIEWICZ, TOMASZ, US
[71] ENDURA PRODUCTS, INC., US
[22] 2017-08-18
[41] 2018-04-06
[30] US (15/286,897) 2016-10-06

[21] **2,977,543**
[13] A1
[51] **Int.Cl. B64D 47/00 (2006.01) F21S 4/28 (2016.01) B64D 11/06 (2006.01) F21V 13/02 (2006.01) F21K 9/00 (2016.01)**
[25] EN
[54] **METHODS AND DEVICES FOR LIGHT DISTRIBUTION IN AN AIRCRAFT, AND AIRCRAFT INCLUDING SUCH DEVICES**
[54] **METHODES ET DISPOSITIFS DE DISTRIBUTION DE LUMIERE DANS UN AERONEF, AERONEF COMPORTANT DE TELS DISPOSITIFS**
[72] HILLS, KAREN L., US
[72] MCMULLIN, DIANNE LYNN, US
[72] CAMP, RANDOLPH C., III, US
[72] VALENTINE, WILLIAM HANSON, JR., US
[72] BROWN, DOUGLAS ALAN, US
[72] GREEN, RUSH FREDERICK, US
[72] SIMMS, RICHARD K., US
[72] REZMER, JENNIFER J., US
[72] BURGESS, MICHAEL JOSEPH, US
[71] THE BOEING COMPANY, US
[22] 2017-08-25
[41] 2018-04-07
[30] US (15/288126) 2016-10-07

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[13] A1
[51] **Int.Cl. B64D 47/00 (2006.01) B60R 16/02 (2006.01) H05K 1/02 (2006.01) H05K 1/18 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING ELECTRICAL SIGNALS TO ELECTRICAL DEVICES WITHIN AN INTERIOR CABIN OF A VEHICLE**
[54] **SYSTEMES ET METHODES DE FOURNITURE DE SIGNAUX ELECTRIQUES AUX DISPOSITIFS ELECTRIQUES DANS UNE CABINE INTERIEURE D'UN VEHICULE**
[72] IBRAHIM, YAKENTIM, US
[72] JOHNSON, ROBERT THOMAS, US
[72] MEHLHAFF, MARK GUS, US
[72] BITTNER, DANIEL KEITH, US
[71] THE BOEING COMPANY, US
[22] 2017-08-25
[41] 2018-04-07
[30] US (15/287949) 2016-10-07

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[13] A1
[51] **Int.Cl. A01D 41/06 (2006.01) A01D 47/00 (2006.01)**
[25] EN
[54] **AGRICULTURAL HEADER WITH CUTTER TRACKING REEL**
[54] **BEC CUEILLEUR DE RECOLTE DOTE D'UN TAMBOUR DE SUIVI DE COUTEAU**
[72] COOK, JOEL T., US
[72] JOYCE, JOSHUA S., US
[71] CNH INDUSTRIAL AMERICA LLC, US
[22] 2017-09-12
[41] 2018-04-05
[30] US (15/285,982) 2016-10-05

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[13] A1
[51] **Int.Cl. F16J 15/3204 (2016.01) F16J 15/3232 (2016.01)**
[25] EN
[54] **SEALING DEVICE**
[54] **APPAREIL D'ETANCHEISATION**
[72] SENDA, MARI, JP
[71] NOK CORPORATION, JP
[22] 2017-09-13
[41] 2018-04-07
[30] JP (2016-198667) 2016-10-07

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[13] A1
[51] **Int.Cl. G07B 15/06 (2011.01)**
[25] EN
[54] **A METHOD OF DETECTING A VIRTUAL TOLLING POINT**
[54] **UNE METHODE DE DETECTION D'UN POINT DE PEAGE VIRTUEL**
[72] POSCHINGER, CHRISTIAN, AT
[72] SIEGL, THOMAS, AT
[71] KAPSCH TRAFFICCOM AG, AT
[22] 2017-09-18
[41] 2018-04-05
[30] EP (16 192 337.0) 2016-10-05

[21] **2,979,453**
[13] A1
[51] **Int.Cl. F02M 13/08 (2006.01) F02B 63/04 (2006.01) F02D 19/06 (2006.01) F02D 29/06 (2006.01) F02D 33/00 (2006.01)**
[25] EN
[54] **FUEL SYSTEM FOR A MULTI-FUEL INTERNAL COMBUSTION ENGINE**
[54] **DISPOSITIF DE CARBURANT DESTINE A UN MOTEUR A COMBUSTION INTERNE MULTICARBURANT**
[72] COLLIE, KENDALL J., US
[72] SOTIRIADES, ALEKO D., US
[72] DEHN, JAMES J., US
[72] JENISON, LEIGH, US
[72] SARDER, MARK J., US
[71] CHAMPION ENGINE TECHNOLOGY, LLC, US
[22] 2017-09-15
[41] 2018-04-04
[30] US (15/285,215) 2016-10-04

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[13] A1
[51] **Int.Cl. E21B 33/04 (2006.01) E21B 43/10 (2006.01)**
[25] EN
[54] **EXPANDABLE LINER HANGER SYSTEM AND METHOD**
[54] **SYSTEME DE SUSPENSION DE COLONNE PENDUE EXTENSIBLE ET METHODE**
[72] BRADDICK, BRITT O., US
[71] TIW CORPORATION, US
[22] 2017-09-19
[41] 2018-04-05
[30] US (15/285,629) 2016-10-05

[21] **2,979,468**
[13] A1
[51] **Int.Cl. B60R 21/207 (2006.01) B60N 2/64 (2006.01) B60N 2/68 (2006.01) B60R 21/264 (2006.01)**
[25] EN
[54] **VEHICLE SEAT WITH SIDE AIRBAG APPARATUS**
[54] **SIEGE DE VEHICULE DOTE D'UN APPAREILLAGE DE SAC GONFLABLE LATERAL**
[72] KOMURA, TAKAMICHI, JP
[72] FUKAWATASE, OSAMU, JP
[72] KUNISADA, MASATO, JP
[72] SUGAWARA, HIROE, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2017-09-18
[41] 2018-04-03
[30] JP (2016-196009) 2016-10-03

[21] **2,979,470**
[13] A1
[51] **Int.Cl. B60R 21/207 (2006.01) B60N 2/64 (2006.01) B60N 2/68 (2006.01) B60R 21/264 (2006.01)**
[25] EN
[54] **VEHICLE SEAT WITH SIDE AIRBAG APPARATUS**
[54] **SIEGE DE VEHICULE DOTE D'UN APPAREILLAGE DE SAC GONFLABLE LATERAL**
[72] KOMURA, TAKAMICHI, JP
[72] FUKAWATASE, OSAMU, JP
[72] KUNISADA, MASATO, JP
[72] SUGAWARA, HIROE, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2017-09-18
[41] 2018-04-03
[30] JP (2016-196008) 2016-10-03

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[13] A1
[51] **Int.Cl. G06F 17/00 (2006.01) G06Q 40/02 (2012.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR CLUSTER-BASED HISTORICAL DATA**
[54] **METHODES ET SYSTEMES DESTINES AUX DONNEES HISTORIQUES FONDEES SUR LA GRAPPE**
[72] YAMASHITA, MARK, CA
[72] DWIVEDI, ANIMESH, CA
[72] KHATWANI, DEVASHISH, CA
[72] JIANG, YUHENG HELEN, CA
[72] YANG, QIRUI, CA
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2017-09-19
[41] 2018-04-06
[30] US (62/405,204) 2016-10-06

[21] **2,979,970**
[13] A1
[51] **Int.Cl. B65D 33/00 (2006.01)**
[25] EN
[54] **HALLOWEEN BAG WITH POP-UP SURPRISE**
[54] **SAC D'HALLOWEEN DOTE D'UNE SURPRISE JAILLISSANTE**
[72] KACINES, JEFFERY J., US
[71] KACINES, JEFFERY J., US
[22] 2017-09-21
[41] 2018-04-06
[30] US (15/287,186) 2016-10-06

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[13] A1
[51] **Int.Cl. B65D 55/02 (2006.01)**
[25] EN
[54] **CLOSURE FOR A PACKAGE**
[54] **DISPOSITIF DE FERMETURE D'UN PAQUET**
[72] MIGAS, JEREMIAH, US
[72] MORIN, JEREMY, US
[72] KAMATH, RAMESH, US
[71] CLOSURE SYSTEMS INTERNATIONAL INC., US
[22] 2017-09-26
[41] 2018-04-06
[30] US (15/287,496) 2016-10-06
[30] US (62/438,589) 2016-12-23

[21] **2,980,348**
[13] A1
[51] **Int.Cl. G08B 29/18 (2006.01) G05B 19/042 (2006.01)**
[25] EN
[54] **FALSE ALARM REDUCTION**
[54] **REDUCTION DE FAUSSE ALERTE**
[72] SIMON, SCOTT, US
[71] VIVINT, INC., US
[22] 2017-09-25
[41] 2018-04-07
[30] US (15/289062) 2016-10-07

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[13] A1
[51] **Int.Cl. C08L 57/04 (2006.01) C08J 3/03 (2006.01) C09D 157/04 (2006.01)**
[25] EN
[54] **AQUEOUS DISPERSION OF ADSORBING POLYMER PARTICLES AND CROSSLINKABLE POLYMER PARTICLES**
[54] **DISPERSION AQUEUSE DE PARTICULES POLYMERIQUES ABSORBANTES ET DE PARTICULES POLYMERIQUES RETICULABLES**
[72] BOHLING, JAMES C., US
[72] HAWKINS, CAROL, US
[72] KVECHER, ANNA, US
[72] LUO, PU, US
[72] MAJUMDAR, PARTHA S., US
[71] ROHM AND HAAS COMPANY, US
[22] 2017-09-29
[41] 2018-04-05
[30] US (62/404529) 2016-10-05

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[51] **Int.Cl. G09B 19/00 (2006.01) G09B 9/00 (2006.01)**
[25] EN
[54] **DYNAMIC DISPATCHER TRAINING SIMULATOR**
[54] **SIMULATEUR D'ENTRAINEMENT DE REPARTITEUR DYNAMIQUE**
[72] FAIRCHILD, ROBERT, US
[72] RADHAKRISHAN, SRINIVASAN, US
[72] PARASHAR, MANU, US
[72] GIRI, JAY, US
[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[22] 2017-10-02
[41] 2018-04-03
[30] US (62/403,680) 2016-10-03
[30] US (15/719,260) 2017-09-28

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[13] A1
[51] **Int.Cl. A47L 25/00 (2006.01) B08B 9/08 (2006.01)**
[25] EN
[54] **STEAM APPARATUS FOR CLEANING MICROWAVE OVENS**
[54] **APPAREIL A VAPEUR DESTINE AU NETTOYAGE DES FOURS MICRO-ONDES**
[72] DEGENNARO, SERGIO, US
[71] DEGENNARO, SERGIO, US
[22] 2017-10-02
[41] 2018-04-05
[30] US (15/285,644) 2016-10-05

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[51] **Int.Cl. B42D 15/02 (2006.01) G06Q 20/28 (2012.01) G06K 19/07 (2006.01)**
[25] EN
[54] **ACTIVATION AND ASSIGNING VALUE TO GIFT CARDS USING RFID**
[54] **ACTIVATION ET ATTRIBUTION DE VALEUR A DES CARTES-CADEAUX AU MOYEN DE RFID**
[72] MARSH, ALLISON, US
[71] AMERICAN GREETINGS CORPORATION, US
[22] 2017-10-02
[41] 2018-04-03
[30] US (62/403,600) 2016-10-03
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[51] **Int.Cl. E04C 3/02 (2006.01) E04C 3/06 (2006.01)**
[25] EN
[54] **ADJUSTABLE LINTEL**
[54] **LINTEAU AJUSTABLE**
[72] MONTMINY, MARCEL, CA
[71] TECHNOLOGIE 2000 INC., CA
[22] 2017-10-02
[41] 2018-04-06
[30] GB (1616974.0) 2016-10-06

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[51] **Int.Cl. E04B 5/10 (2006.01) E04B 1/38 (2006.01) E04B 5/08 (2006.01) E04H 12/22 (2006.01) E04H 17/22 (2006.01)**
[25] EN
[54] **DECK COMPONENT WITH POST SLEEVE AND FLANGES**
[54] **COMPOSANTE DE PLATEFORME A MANCHON DE MONTANT ET BRIDES**
[72] WINTER, ROGER, US
[71] WINTER, ROGER, US
[22] 2017-10-02
[41] 2018-04-03
[30] US (15/284061) 2016-10-03
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[51] **Int.Cl. F17D 1/20 (2006.01) E21B 37/06 (2006.01) F16L 58/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS UTILIZING GLYCOL FOR HYDRATE PREVENTION WITH GLYCOL REGENERATION BY VARIABLE CONCENTRATION CONTROL**
[54] **SYSTEMES ET METHODES D'UTILISATION DU GLYCOL DESTINES A LA PREVENTION DE FORMATION D'HYDRATE AU MOYEN DE REGENERATION PAR CONTROLE DE CONCENTRATION VARIABLE**
[72] TITLEY, ANDREW MARK, US
[71] CHEVRON U.S.A. INC., US
[22] 2017-10-02
[41] 2018-04-04
[30] US (15/284610) 2016-10-04

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[51] **Int.Cl. B61D 49/00 (2006.01) B61K 13/00 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND APPARATUS FOR LADING MEASUREMENT IN A RAIL CAR**
[54] **SYSTEME, METHODE ET APPAREIL DE MESURE DE CHARGEMENT DANS UN WAGON**
[72] KRUEGER, DARRELL ROBERT, US
[72] WILLIS, CORY, US
[71] BNSF RAILWAY COMPANY, US
[22] 2017-09-29
[41] 2018-04-03
[30] US (62/403,242) 2016-10-03

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[51] **Int.Cl. H02J 13/00 (2006.01) G08B 21/00 (2006.01)**
[25] EN
[54] **ENHANCED DISTURBANCE MANAGEMENT OF A POWER GRID SYSTEM**
[54] **GESTION DE PERTURBATION AMELIOREE D'UN SYSTEME DE RESEAU ELECTRIQUE**
[72] BISWAS, SAUGATA, US
[72] PARASHAR, MANU, US
[72] JAMPALA, ANIL, US
[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[22] 2017-10-02
[41] 2018-04-03
[30] US (62/403,679) 2016-10-03
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[51] **Int.Cl. E04C 5/12 (2006.01) E02D 29/02 (2006.01) E04C 1/00 (2006.01) E04F 13/22 (2006.01)**
[25] EN
[54] **CONSTRUCTION BLOCK ANCHORING SYSTEM**
[54] **SYSTEME D'ANCRAGE DE BLOC DE CONSTRUCTION**
[72] MONTMINY, MARCEL, CA
[71] TECHNOLOGIE 2000 INC., CA
[22] 2017-10-02
[41] 2018-04-06
[30] GB (1616976.5) 2016-10-06

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[13] A1
[51] **Int.Cl. A61B 34/20 (2016.01) A61B 34/10 (2016.01) A61B 8/13 (2006.01)**
[25] EN
[54] **PRE-OPERATIVE REGISTRATION OF ANATOMICAL IMAGES WITH A POSITION-TRACKING SYSTEM USING ULTRASOUND**
[54] **ENREGISTREMENT PREOPERATOIRE D'IMAGES ANATOMIQUES AU MOYEN D'UN SYSTEME DE SUIVI DE POSITION A ULTRASONS**
[72] GOVARI, ASSAF, IL
[72] GLINER, VADIM, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2017-10-02
[41] 2018-04-06
[30] US (15/286,891) 2016-10-06

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[13] A1
[51] **Int.Cl. H01R 13/688 (2011.01) B60R 16/03 (2006.01) H01H 85/20 (2006.01)**
[25] EN
[54] **POWER CONNECTORS WITH INTEGRATED FUSE SUPPORTS, AND ASSOCIATED SYSTEMS AND METHODS**
[54] **CONNECTEURS D'ELECTRICITE DOTES DE SUPPORTS DE FUSIBLES INTEGRES, ET SYSTEMES ET METHODES ASSOCIES**
[72] AUGUST, JACOB, US
[72] HARGRODER, TY, US
[72] NASSET, BRENT, US
[71] SUPERWINCH, LLC, US
[22] 2017-10-03
[41] 2018-04-03
[30] US (62/403,642) 2016-10-03
[30] US (15/722,396) 2017-10-02

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[13] A1
[51] **Int.Cl. B66D 5/34 (2006.01) B66D 1/02 (2006.01) B66D 1/14 (2006.01)**
[25] EN
[54] **AUTO-ENGAGING WINCH CLUTCHES, AND ASSOCIATED SYSTEMS AND METHODS**
[54] **TREUILS A EMBRAYAGE A ENGAGEMENT AUTOMATIQUE, ET SYSTEMES ET METHODES ASSOCIES**
[72] KARAMBELAS, RANDY, US
[72] DENNIS, RON, US
[72] FRAZIER, TIMOTHY, US
[71] SUPERWINCH, LLC, US
[22] 2017-10-03
[41] 2018-04-03
[30] US (62/403,633) 2016-10-03
[30] US (15/722,234) 2017-10-02

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[13] A1
[51] **Int.Cl. G01S 19/21 (2010.01)**
[25] FR
[54] **DETECTION MODULE FOR A DISTURBANCE SIGNAL DURING INITIAL ACQUISITION BY A NAVIGATIONAL INFORMATION RECEIVER, RECEIVER COMPRISING SUCH A MODULE, ASSOCIATED PROCESS AND SOFTWARE**
[54] **MODULE DE DETECTION D'UN SIGNAL PERTURBATEUR LORS DE L'ACQUISITION INITIALE PAR UN RECEPTEUR D'INFORMATIONS DE NAVIGATION, RECEPTEUR COMPORTANT UN TEL MODULE, PROCEDE ET PRODUIT PROGRAMME D'ORDINATEUR ASSOCIES**
[72] CORAZZA, STEPHANE, FR
[72] MONTAGNE, BRUNO, FR
[72] BOUVET, DENIS, FR
[71] THALES, FR
[22] 2017-10-02
[41] 2018-04-07
[30] FR (16 01 458) 2016-10-07

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[13] A1
[51] **Int.Cl. C02F 3/28 (2006.01) C02F 3/02 (2006.01) C02F 3/30 (2006.01)**
[25] EN
[54] **WASTEWATER DENITRIFICATION METHOD UTILIZING RECYCLING OF NITRIFIED TREATMENT EFFLUENT**
[54] **METHODE DE DENITRIFICATION D'EAUX USEES EMPLOYANT LE RECYCLAGE D'EFFLUENT DE TRAITEMENT NITRIFIE**
[72] HILDEBRAND, MARTIN, CA
[72] KROEKER, MERLE, CA
[71] NEXOM, CA
[22] 2017-10-03
[41] 2018-04-03
[30] US (62/403,361) 2016-10-03
[30] US (62/426,383) 2016-11-25

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[13] A1
[51] **Int.Cl. F16L 57/06 (2006.01) F16L 9/14 (2006.01) F16L 19/025 (2006.01) F16L 25/00 (2006.01) F16L 41/00 (2006.01)**
[25] EN
[54] **FATIGUE LIFE EXTENDER**
[54] **DISPOSITIF DE PROLONGATION DE LA DUREE DE VIE EN FATIGUE**
[72] SKARNES, GUNNAR, NO
[71] NEXANS, FR
[22] 2017-10-02
[41] 2018-04-05
[30] EP (16 306 314.2) 2016-10-05

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[13] A1
[51] **Int.Cl. F04B 39/06 (2006.01) F01P 3/10 (2006.01) F02F 3/22 (2006.01) F04B 39/12 (2006.01)**
[25] EN
[54] **PISTON CYLINDER ARRANGEMENT FOR AN OIL FREE COMPRESSOR HAVING COOLING PASSAGEWAYS AND METHOD OF COOLING WRIST PIN BEARING SURFACE**
[54] **DISPOSITION DE CYLINDRE DE PISTON DESTINE A UN COMPRESSEUR SANS HUILE COMPORTANT DES PASSAGES DE REFROIDISSEMENT ET METHODE DE REFROIDISSEMENT D'UNE SURFACE PORTEUSE D'AXE DE PISTON**
[72] HRITZ, JEFFREY, US
[71] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
[22] 2017-10-04
[41] 2018-04-07
[30] US (15/288,295) 2016-10-07

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[13] A1
[51] **Int.Cl. F16L 1/24 (2006.01) B63B 22/00 (2006.01) D07B 1/20 (2006.01) F16G 11/00 (2006.01) F16L 11/133 (2006.01) H02G 9/12 (2006.01)**
[25] EN
[54] **MODULAR BUOYANCY ELEMENT**
[54] **ELEMENT DE FLOTTAISON MODULAIRE**
[72] SKARNES, GUNNAR, NO
[71] NEXANS, FR
[22] 2017-10-02
[41] 2018-04-04
[30] EP (16 306 299.5) 2016-10-04

[21] **2,981,294**
[13] A1
[51] **Int.Cl. G06Q 40/02 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING AND ADMINISTERING LOANS**
[54] **SYSTEME ET METHODE DE FOURNITURE ET ADMINISTRATION DE PRETS**
[72] CHILES, RICHARD MICHAEL, US
[72] JUNG, AUDRA MICHELE, US
[72] HERBERT, JAMISON NICOLE, US
[71] BRIDGECARE FINANCE, INC., US
[22] 2017-10-03
[41] 2018-04-03
[30] US (62/496003) 2016-10-03
[30] US (15/722965) 2017-10-02

[21] **2,981,300**
[13] A1
[51] **Int.Cl. F25J 1/02 (2006.01) F25B 6/04 (2006.01) F25B 43/00 (2006.01)**
[25] EN
[54] **MULTIPLE PRESSURE MIXED REFRIGERANT COOLING PROCESS AND SYSTEM**
[54] **PROCEDE DE REFROIDISSEMENT DE REFRIGERANT MELANGE A PRESSION MULTIPLE ET SYSTEME**
[72] KRISHNAMURTHY, GOWRI, US
[72] ROBERTS, MARK JULIAN, US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2017-10-03
[41] 2018-04-07
[30] US (15/287963) 2016-10-07

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[13] A1
[51] **Int.Cl. E01F 15/06 (2006.01) E04H 17/06 (2006.01) E04H 17/12 (2006.01)**
[25] EN
[54] **BARRIER CABLE COUPLER**
[54] **RACCORD DE CABLE BARRIERE**
[72] SORKIN, FELIX, US
[71] SORKIN, FELIX, US
[22] 2017-10-03
[41] 2018-04-04
[30] US (62/404,134) 2016-10-04

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[13] A1
[51] **Int.Cl. A63G 31/00 (2006.01)**
[25] EN
[54] **INCLUSIVE PLAY PANELS AND PLAYGROUND STRUCTURES COMPRISING THE PANELS**
[54] **PANNEAUX DE JEU INCLUSIFS ET STRUCTURES DE TERRAIN DE JEU COMPORTANT LES PANNEAUX**
[72] SUMRELL, JENNIE NEWMAN, US
[72] MOORE, LISA, US
[72] SMITH, SAMUEL GRADY, US
[72] NORQUIST, THOMAS ROBERT, US
[71] PLAYCORE WISCONSIN, INC., US
[22] 2017-10-03
[41] 2018-04-05
[30] US (15/691,212) 2017-08-30
[30] US (62/404,629) 2016-10-05

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[13] A1
[51] **Int.Cl. A63G 31/00 (2006.01)**
[25] EN
[54] **PLAYGROUND CLIMBING STRUCTURES**
[54] **STRUCTURES D'ESCALADE DE TERRAIN DE JEU**
[72] NORQUIST, THOMAS ROBERT, US
[72] BLACKWOOD, KIM CORVIN, US
[72] GRIFFITH, CHARLES LEBRON, US
[72] PARKER, ANTHONY RYAN, US
[71] PLAYCORE WISCONSIN, INC., US
[22] 2017-10-03
[41] 2018-04-05
[30] US (15/691,365) 2017-08-30
[30] US (62/404,629) 2016-10-05

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[13] A1
[51] **Int.Cl. F41B 5/10 (2006.01) F41B 5/14 (2006.01)**
[25] EN
[54] **ARCHERY BOW STRUCTURES**
[54] **STRUCTURES D'ARC**
[72] LANGLEY, TIMOTHY W., US
[71] BEAR ARCHERY, INC., US
[22] 2017-10-03
[41] 2018-04-04
[30] US (62/403,859) 2016-10-04

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[13] A1
[51] **Int.Cl. H01Q 21/26 (2006.01) H01Q 1/36 (2006.01) H01Q 21/06 (2006.01)**
[25] EN
[54] **CAVITY-BACKED RADIATING ELEMENT AND RADIATING ARRAY INCLUDING AT LEAST TWO RADIATING ELEMENTS**
[54] **ELEMENT RAYONNANT A CAVITE POSTERIEURE ET RESEAU RAYONNANT COMPORTANT AU MOINS DEUX ELEMENTS RAYONNANTS**
[72] BOSSHARD, PIERRE, FR
[72] SCHROTTENLOHER, JEAN-BAPTISTE, FR
[71] THALES, FR
[22] 2017-10-03
[41] 2018-04-04
[30] FR (1601432) 2016-10-04

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[13] A1
[51] **Int.Cl. F16C 39/00 (2006.01) F16H 57/021 (2012.01) F16H 57/03 (2012.01) B60K 17/00 (2006.01) F16H 57/02 (2012.01)**
[25] EN
[54] **VEHICULAR POWER TRANSMISSION DEVICE**
[54] **DISPOSITIF DE TRANSMISSION D'ALIMENTATION ELECTRIQUE A UN VEHICULE**
[72] KATO, KOICHI, JP
[72] BABA, SHINICHI, JP
[72] SUENAGA, SHINICHIRO, JP
[72] MATSUDA, IORI, JP
[72] TSUCHIDA, MITSUTAKA, JP
[72] NISHIMINE, AKIKO, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2017-10-03
[41] 2018-04-06
[30] JP (2016-198546) 2016-10-06

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[13] A1
[51] **Int.Cl. C08L 71/02 (2006.01) A61K 8/86 (2006.01) A61Q 17/04 (2006.01) C08G 65/333 (2006.01)**
[25] EN
[54] **ULTRAVIOLET RADIATION ABSORBING POLYMER COMPOSITION**
[54] **COMPOSITION POLYMERIQUE ABSORBANT LE RAYONNEMENT ULTRAVIOLET**
[72] EHLIS, THOMAS, DE
[72] DALY, SUSAN, US
[71] JOHNSON & JOHNSON CONSUMER INC., US
[22] 2017-10-04
[41] 2018-04-05
[30] US (62/404246) 2016-10-05

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[13] A1
[51] **Int.Cl. H02J 13/00 (2006.01) A47C 31/00 (2006.01) H02J 1/00 (2006.01) H04L 29/02 (2006.01)**
[25] EN
[54] **INTELLIGENT ELECTRICAL POWER DISTRIBUTIION SYSTEM**
[54] **SYSTEME DE DISTRIBUTION D'ALIMENTATION ELECTRIQUE INTELLIGENT**
[72] BYRNE, NORMAN R., US
[72] MAHER, PETER J., US
[71] BYRNE, NORMAN R., US
[22] 2017-10-04
[41] 2018-04-05
[30] US (62/404440) 2016-10-05

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[13] A1
[51] **Int.Cl. G06Q 20/08 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **SIMPLE CHECKOUT**
[54] **COMMANDE SIMPLE**
[72] NACK, DAVID, US
[72] KORRA, RAMESH, US
[71] COMENITY LLC, US
[22] 2017-10-04
[41] 2018-04-06
[30] US (62/405072) 2016-10-06
[30] US (15/452308) 2017-03-07

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[13] A1
[51] **Int.Cl. B23D 59/00 (2006.01) F16P 3/00 (2006.01)**
[25] EN
[54] **TRIGGER LOCK FOR A MITER SAW**
[54] **VERROU DECLENCHEUR DESTINE A UNE SCIE A ONGLETS**
[72] HART, MICHAEL, US
[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, MO
[22] 2017-10-04
[41] 2018-04-04
[30] US (15/285,154) 2016-10-04

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[13] A1
[51] **Int.Cl. C02F 11/04 (2006.01) C02F 1/66 (2006.01) C02F 3/28 (2006.01) C02F 11/00 (2006.01)**
[25] EN
[54] **ANAEROBIC DIGESTER ENHANCEMENT**
[54] **AMELIORATION DE DIGESTEUR ANAEROBIE**
[72] MADOLORA, MATTHEW P., US
[71] PREMIER MAGNESIA, LLC, US
[22] 2017-10-04
[41] 2018-04-04
[30] US (62/403,926) 2016-10-04

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[13] A1
[51] **Int.Cl. C04B 7/12 (2006.01) C04B 7/13 (2006.01) C04B 28/02 (2006.01) C04B 40/00 (2006.01) C09C 1/00 (2006.01)**
[25] EN
[54] **IMPROVED MANUFACTURED NATURAL POZZOLAN, IMPROVED MANUFACTURED NATURAL POZZOLAN-BASED CEMENT AND METHOD OF MAKING AND USING SAME**
[54] **POUZZOLANE NATURELLE FABRIQUEE AMELIOREE, CIMENT A BASE DE POUZZOLANE FABRIQUEE AMELIOREE ET METHODE DE FABRICATION ET UTILISATION ASSOCIEE**
[72] CIUPERCA, ROMEO ILARIAN, US
[71] CIUPERCA, ROMEO ILARIAN, US
[22] 2017-10-04
[41] 2018-04-04
[30] US (62/404,021) 2016-10-04
[30] US (15/724,204) 2017-10-03

[21] **2,981,460**
[13] A1
[51] **Int.Cl. E21D 15/00 (2006.01) E02D 29/02 (2006.01)**
[25] EN
[54] **FILL FENCE SYSTEM AND METHOD FOR INSTALLING SAME**
[54] **SYSTEME DE CLOTURE DE REMPLISSAGE ET METHODE D'INSTALLATION ASSOCIEE**
[72] LAMOND, ROBERT, CA
[71] STURDA INC., CA
[22] 2017-10-04
[41] 2018-04-04
[30] CA (2,944,212) 2016-10-04

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[13] A1
[51] **Int.Cl. B01J 23/89 (2006.01) B01J 23/86 (2006.01) B01J 37/03 (2006.01) B01J 37/08 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING AN IRON-CHROMIUM CATALYST WITH A PLATINUM PROMOTER, AND CATALYST CONSISTING OF IRON-CHROMIUM WITH A PLATINUM PROMOTER**
[54] **PROCEDE DE PREPARATION D'UN CATALYSEUR FER-CHROME A PROMOTEUR EN PLATINE, ET CATALYSEUR FAIT DE FER-CHROME A PROMOTEUR EN PLATINE**
[72] TERRA DE ALMEIDA, LUIS EDUARDO, BR
[72] SILVA, LUDMILA DE PAULA CABRAL, BR
[72] DA SILVEIRA LOMBA SANTANA COUTINHO, ANA CARLA, BR
[72] PASSOS, FABIO BARBOZA, BR
[72] DE SOUZA, VIVIAN PASSOS, BR
[72] RODRIGUES, MAIRA ANDRADE, BR
[72] DE ALMEIDA DUMANI DOS SANTOS, AMANDA, BR
[71] PETROLEO BRASILEIRO S.A. - PETROBRAS, BR
[71] UNIVERSIDADE FEDERAL FLUMINENSE - UFF, BR
[22] 2017-10-03
[41] 2018-04-03
[30] BR (BR 10 2016 022962-6) 2016-10-03

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[13] A1
[51] **Int.Cl. G06F 17/00 (2006.01) G06F 3/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DISPLAYING DATA REPRESENTATIVE OF A LARGE DATASET**
[54] **SYSTEME ET METHODE D'AFFICHAGE DE DONNEES REPRESENTATIVES D'UN GRAND ENSEMBLE DE DONNEES**
[72] OBEROI, JASPREET, CA
[72] WALLACE, AUSTIN, CA
[71] 1QB INFORMATION TECHNOLOGIES INC., CA
[22] 2017-10-04
[41] 2018-04-07
[30] US (62/405,415) 2016-10-07

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[54] **ANCRAGE DE CABLE BARRIERE**
[72] SORKIN, FELIX, US
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[54] **CONFIGURATION DE TEST DESTINEE A DES APPAREILS D'ECLAIRAGE D'URGENCE**
[72] NELSON, KENNETH EDWIN, US
[72] HANLEY, MICHAEL G., US
[71] ABL IP HOLDING LLC, US
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[54] **FOOD CASING AND PRODUCTION PROCESS FOR ENCASED FOOD**
[54] **ENVELOPPE D'ALIMENT ET PROCEDE DE PRODUCTION D'ALIMENT DANS UNE ENVELOPPE**
[72] HUKELMANN, BERNHARD, DE
[71] DEUTSCHES INSTITUT FUER LEBENSMITTELTECHNIK E.V., DE
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[54] **FRONT TOP ASSEMBLY FOR SUV**
[54] **ASSEMBLAGE DE TOIT AVANT DESTINE A UN VUS**
[72] HABERKAMP, WILLIAM H., US
[72] STICKLES, GEORGE C., US
[72] JUNKIN, DUANE C., US
[72] LEWIS, STEPHEN J., US
[71] BESTOP, INC., US
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[54] **DRAG REDUCING DEVICE**
[54] **DISPOSITIF REDUISANT LA TRAINEE**
[72] MILLER, HUNTER, US
[72] VOGEL, JOHN, US
[72] TUERK, JAMES R., US
[71] AERO INDUSTRIES, INC., US
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[25] EN
[54] **WINCH WITH INTEGRATED LIGHTING, AND ASSOCIATED SYSTEMS AND METHODS**
[54] **TREUIL DOTE D'ECLAIRAGE INTEGRE, ET SYSTEMES ET METHODES ASSOCIES**
[72] AUGUST, JACOB, US
[72] DENNIS, RON, US
[72] FRAZIER, TIMOTHY, US
[72] MASON, JON, US
[72] SALMON, SCOTT, US
[72] HARGRODER, TY, US
[72] SCUITO, DAVID, US
[72] BURNS, DAVID, US
[72] NASSET, BRENT, US
[71] SUPERWINCH, LLC, US
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[54] **ELECTRICAL POWER CORD WITH INTELLIGENT SWITCHING**
[54] **CORDON D'ALIMENTATION ELECTRIQUE DOTE D'UN INTERRUPTEUR INTELLIGENT**
[72] BYRNE, NORMAN R., US
[72] MAHER, PETER J., US
[71] BYRNE, NORMAN R., US
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[25] EN
[54] **ACCESSORY MOUNTING SYSTEMS, AND METHODS THEREFOR**
[54] **SYSTEMES D'INSTALLATION D'ACCESSOIRE, ET METHODES ASSOCIEES**
[72] AUGUST, JACOB, US
[72] DENNIS, RON, US
[72] FRAZIER, TIMOTHY, US
[72] MASON, JON, US
[72] SALMON, SCOTT, US
[72] HARGRODER, TY, US
[72] SCUITO, DAVID, US
[72] BURNS, DAVID, US
[72] NASSET, BRENT, US
[71] SUPERWINCH, LLC, US
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[54] **POLYMER MODIFIED ASPHALT FOR INDUSTRIAL APPLICATIONS**
[54] **ASPHALTE MODIFIE PAR UN POLYMERE DESTINE A DES APPLICATIONS INDUSTRIELLES**
[72] TIBAH, DENIS MUKI, US
[71] BUILDING MATERIALS INVESTMENT CORPORATION, US
[22] 2017-10-06
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[54] **MOTOR CONTROL MODULES WITH MULTIPLE POTTED SUB-MODULES, AND ASSOCIATED SYSTEMS AND METHODS**
[54] **MODULES DE COMMANDE DE MOTEUR A SOUS-MODULES MULTIPLES EN POT, ET SYSTEMES ET METHODES ASSOCIES**
[72] AUGUST, JACOB, US
[72] DENNIS, RON, US
[72] FRAZIER, TIMOTHY, US
[72] MASON, JON, US
[72] SALMON, SCOTT, US
[72] HARGRODER, TY, US
[72] SCUITO, DAVID, US
[72] BURNS, DAVID, US
[72] NASSET, BRENT, US
[71] SUPERWINCH, LLC, US
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[54] **WINDSHIELD ADJUSTMENT MECHANISM**
[54] **MECANISME DE REGLAGE DE PARE-BRISE**
[72] LEBLANC, ETIENNE, CA
[72] AUBE, NICOLAS, CA
[72] SAVAGE, BENOIT, CA
[72] PROVENCHER, MARTIN, CA
[72] NORMAND, MAXIME, CA
[72] THERRIEN, GENEVIEVE, CA
[72] GAUDET, PASCAL, CA
[71] SOUCY INTERNATIONAL INC., CA
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[54] **MILK FOAM DISPENSING SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE MOUSSE DE LAIT**
[72] MIDDEN, WILLIAM E., US
[72] RADHAKRISHNAN, SURESH, US
[72] ROGERS, REX A., US
[71] BUNN-O-MATIC CORPORATION, US
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[54] **FLANGE STAND AND ADAPTER FOR FLANGES**
[54] **SUPPORT DE BRIDE ET ADAPTATEUR DE BRIDES**
[72] TEMBLADOR, RICHARD MIKE, US
[72] DEESE, MYRON DALE, US
[72] KENT, HARRY WILLIAM, JR., US
[72] GONZALEZ, JUAN ALBERTO GALINDO, US
[72] TUGGLE, JAMES PHILLIP, US
[72] CALHOUN, FRANKLIN CLARENCE, US
[71] SOUTHWIRE COMPANY, LLC, US
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[54] **POTATO SEED PLANTING APPARATUS AND METHOD OF PLANTING POTATO SEED USING THE APPARATUS**
[54] **APPAREIL DE PLANTATION DE SEMENCE DE POMME DE TERRE ET METHODE DE PLANTATION DE SEMENCE DE POMME DE TERRE AU MOYEN DE L'APPAREIL**
[72] NILSON, MICHAEL A., US
[72] ABRAHAMSON, KARL, US
[71] CRARY INDUSTRIES, INC., US
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[54] **ENCLOSURE COVER ASSEMBLIES**
[54] **DISPOSITIF DE COUVERCLE DE FOSSE**
[72] ISAACSON, GREGORY GLENN, US
[72] DENNING, ROBERT BRIAN, US
[71] HUBBELL INCORPORATED, US
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[25] EN
[54] **FLAT PATCH BOTTOM SELF OPENING STYLE BAG AND METHOD OF MANUFACTURE**
[54] **SAC DE STYLE AUTO-OUVRANT A FOND PLAT ET PROCEDE DE FABRICATION**
[72] ABUAITA, OMAR, US
[71] GATEWAY PACKAGING COMPANY, US
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[54] **FLAT FOLDED BOTTOM SELF OPENING STYLE BAG AND METHOD OF MANUFACTURE**
[54] **SAC DE STYLE AUTO-OUVRANT A FOND PLIE PLAT ET PROCEDE DE FABRICATION**
[72] TIEPELMAN, ROBERT, US
[72] ABUAITA, OMAR, US
[72] SCHIERMEIER, BRIAN, US
[71] GATEWAY PACKAGING COMPANY, US
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[54] **JOINT UNIT**
[54] **MODULE DE JOINT**
[72] HEDRICH, RENE, DE
[72] FRANK, TOBIAS, DE
[71] WEISS GMBH, DE
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[54] **STACKING DEVICE FOR A SPACE VEHICLE AND ASSOCIATED SPACE VEHICLE**
[54] **DISPOSITIF D'EMPILEMENT DESTINE A UN VEHICULE SPATIAL ET VEHICULE SPATIAL ASSOCIE**
[72] COMBERNOUX, THOMAS, FR
[72] BLANC, ALAIN-VINCENT, FR
[72] DURANTI, CHRISTOPHE, FR
[72] YOUSSEFI, THIERRY, FR
[71] THALES, FR
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[54] **TELEROBOTIC SHRINKAGE MINING**
[54] **EXPLOITATION MINIERE DE REDUCTION TELEROBOTIQUE**
[72] BAIDEN, GREGORY, CA
[71] PENGUIN AUTOMATED SYSTEMS INC., CA
[22] 2017-10-06
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[54] **APPARATUS AND PROCESS FOR PRODUCING SAUSAGE PRODUCTS**
[54] **APPAREIL ET PROCEDE DE PRODUCTION DE PRODUITS DE SAUCISSE**
[72] TERJUNG, DR. NINO, DE
[71] DEUTSCHES INSTITUT FUER LEBENSMITTELTECHNIK E.V., DE
[22] 2017-10-05
[41] 2018-04-06
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[54] **LAMINATE FROM BIRCH BARK, METHOD FOR PRODUCING THE LAMINATE AND OBJECTS MADE OF THE LAMINATE**
[54] **STRATIFIE D'ECORCE DE BOULEAU, METHODE DE PRODUCTION DU STRATIFIE ET OBJETS FAITS DU STRATIFIE**
[72] KOSHCHEEVA, ANASTASIYA, DE
[72] CLAUS, BURGHARD, DE
[71] KOSHCHEEVA, ANASTASIYA, DE
[71] CLAUS, BURGHARD, DE
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[54] **TRACK WHEEL WITH DECREASED POWER DISSIPATION**
[54] **ROUE DE SUIVI A DISSIPATION DE PUISSANCE REDUITE**
[72] WANDERSCHEID, MARK, US
[72] WANDERSCHEID, DAVID, US
[71] D & M ENTERPRISES OF SAUK CENTRE, LLP, US
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[54] **METHOD FOR TESTING AT LEAST ONE DISINFECTANT**
[54] **METHODE DE TEST D'AU MOINS UN DESINFECTANT**
[72] BRANDES, RONALD, DE
[72] WILLMS, JOACHIM, DE
[71] BRANDES INNOVATION, DE
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[25] EN
[54] **DERIVING FARMING OPERATIONS FROM GPS LOCATION DATA**
[54] **DERIVATION D'OPERATIONS AGRICOLES A PARTIR DE DONNEES DE LOCALISATION GPS**
[72] ROSZTOCZY, JOSEPH F., US
[72] ARMENTA, REBECCA J., US
[72] CHARMES, GUILLAUME J., US
[72] SORAHAN, BRIAN P., US
[72] POSADAS, REX T., US
[72] BAI, YAN, US
[71] AGRARIAN LABS, LLC, US
[22] 2017-10-10
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[25] EN
[54] **COMPOSITIONS OF DRY ACID POLYMERS AND USES THEREOF**
[54] **COMPOSITONS DE POLYMERES D'ACIDES SECS ET UTILISATIONS ASSOCIEES**
[72] WILSON, DUANE C., US
[72] FENDERSON, THOMAS, US
[72] MAASEN, IGAL, US
[72] AUJLA, SUKHJIT, US
[71] KEMIRA OYJ, FI
[22] 2017-10-10
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[25] EN
[54] **APPARATUS AND METHOD FOR TREATING SLURRIES**
[54] **APPAREIL ET METHODE DE TRAITEMENT DES BOUES**
[72] SIMONEAU, CORDELL, CA
[71] CALX LIMITED, CA
[22] 2017-10-06
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[30] US (62/405,570) 2016-10-06

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[25] EN
[54] **CATALYTIC PROCESS FOR CO-PROCESSING OF LIGNOCELLULOSIC BIOMASS AND HEAVY PETROLEUM FUELS**
[54] **PROCEDE CATALYTIQUE DE COTRAITEMENT DE BIOMASSE LIGNOCELLULOSIQUE ET DE CARBURANTS DE PETROLE LOURD**
[72] ZHENG, YING, CA
[72] ZHANG, QIKAI, CA
[72] LIN, HONGFEI, CN
[71] ZHENG, YING, CA
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[25] EN
[54] **FUEL COMPOSITIONS WITH ENHANCED COLD PROPERTIES AND METHODS OF MAKING THE SAME**
[54] **COMPOSITIONS DE CARBURANT AYANT UNE APTITUDE AU FROID AMELIOREE ET METHODES DE FABRICATION ASSOCIEES**
[72] KURONEN, MARKKU, FI
[72] KIISKI, ULLA, FI
[71] NESTE OYJ, FI
[22] 2018-01-26
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[54] **GUTTER GUARD AND KIT FOR GUTTER HAVING HANGER**
[54] **PROTEGE-GOUTTIERE ET TROUSSE DESTINEE A UNE GOUTTIERE MUNIE D'UN SUPPORT**
[72] BROCHU, STEPHANE, CA
[71] BROCHU, STEPHANE, CA
[22] 2018-01-29
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[54] **BODY PART FIXATION DEVICE WITH PITCH AND/OR ROLL ADJUSTMENT**
[54] **DISPOSITIF DE FIXATION DE PIECE DE CHASSIS A AJUSTEMENT DE PAS ET/OU ROULEMENT**
[72] NORDGREN, GREGORY NEPHI, US
[72] BARNAT, WILLIAM LOUIS, US
[71] MEDTEC, INC., US
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[25] EN
[54] **PAVER ADHESIVE AND METHOD OF LAYING PAVERS**
[54] **ADHESIF DE PAVE ET METHODE DE DEPOT DE COUCHE DE PAVES**
[72] ELIASON, WILLIAM, US
[72] BERRY, TIMOTHY, US
[71] PAVER TECHNOLOGIES LLC, US
[85] 2017-02-22
[86] 2016-11-08 (PCT/US2016/060910)
[87] (2958660)
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[54] **SYSTEM AND METHOD FOR SELECTING PAINT COMPOSITIONS BASED ON EXPECTED PAINT APPLICATION CONDITIONS**
[54] **SYSTEMES ET METHODE DE SELECTION DE COMPOSITIONS DE PEINTURE FONDES SUR LES CONDITIONS PREVUES D'APPLICATION DE LA PEINTURE**
[72] MARSALA, CARMELO, CA
[72] ARABI, PEIMAN, CA
[71] SPRAY-NET CANADA INC., CA
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[54] **IMPLANT PEG WITH MULTIPLE COMPONENTS**
[54] **ANCRAGE D'IMPLANT A COMPOSANTES MULTIPLES**
[72] DHILLON, BRAHAM K., US
[72] FREE, DANIEL E., US
[72] LUNA, RAMON, US
[71] WRIGHT MEDICAL TECHNOLOGY, INC., US
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[25] EN
[54] **ANGULAR GEAR ARRANGEMENT FOR MOWER KNIVES DRIVEN IN AN OSCILLATING MANNER**
[54] **ENSEMBLE ENGRENAGE ANGULAIRE POUR LAMES DE COUPE ENTRAINEES DE MANIERE OSCILLANTE**
[72] SCHUMACHER, HEINRICH GUNTER, DE
[72] JUNG, MARCO, DE
[71] EWM EICHELHARDTER WERKZEUG- UND MASCHINENBAU GMBH, DE
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[54] **TAMBOUR A TOURBILLON POUR ASSAISONNER DES PORTIONS ALIMENTAIRES**
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[72] SVEJKOVSKY, P. BLAKE, US
[72] SVEJKOVSKY, PAUL A. (DECEASED), US
[71] SVEJKOVSKY, KAREN SUE, US
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[54] **SINGLE NUCLEOTIDE POLYMORPHIC ALLELES OF HUMAN DP-2 GENE FOR DETECTION OF SUSCEPTIBILITY TO HAIR GROWTH INHIBITION BY PGD2**
[54] **ALLELES POLYMORPHES DE NUCLEOTIDE UNIQUE DE GENE DP-2 HUMAIN POUR LA DETECTION DE LA SENSIBILITE A L'INHIBITION DE LA CROISSANCE DE CHEVEUX PAR PGD2**
[72] COTSARELIS, GEORGE, US
[72] ZHENG, YING, US
[72] HSIEH, JEN-CHIH (DECEASED), US
[72] O'BRIEN, JOAN, US
[72] COLLINS, DAVID W., US
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[54] **MORPHINAN COMPOUNDS FOR TREATING AGITATION**
[54] **COMPOSES DE MORPHINANE POUR LE TRAITEMENT DE L'AGITATION**
[72] TUNG, ROGER D., US
[72] GRAHAM, PHILIP B., US
[71] CONCERT PHARMACEUTICALS, INC., US
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[54] **ORAL CARE COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS DE SOINS D'HYGIENE BUCCALE ET LEURS PROCEDES D'UTILISATION**
[72] POTH, TILO, DE
[72] POTANIN, ANDREI, US
[72] BLANVALET, CLAUDE, BE
[72] WON, BETTY, US
[72] MANUS, LISA, US
[72] STRANICK, MICHAEL A., US
[72] HUANG, XIAOYI, CN
[72] PRENCIPE, MICHAEL, US
[72] RUSSO, AMY, US
[72] STETTLER, HANSRUEDI, CH
[72] YAN, PENG, CN
[72] TAN, CHENGKANG, CN
[72] PATEL, VYOMA, US
[72] MORGAN, ANDRE MICHELLE, US
[71] COLGATE-PALMOLIVE COMPANY, US
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[54] **COMPOSITION POUR UTILISATION DANS LE TRAITEMENT D'UNE DOULEUR ASSOCIEE AUX DISQUES INTERVERTEBRAUX**
[72] OLMARKER, KJELL, SE
[71] STAYBLE THERAPEUTICS AB, SE
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[54] **METHODE DE QUANTIFICATION DE LA PURETE DES ECHANTILLONS DE PARTICULES NON VISIBLES A L'OEIL NU**
[72] SINTORN, IDA-MARIA, SE
[72] RYNER, MARTIN, SE
[72] KYLBERG, GUSTAF, SE
[72] NILSSON, JOSEFINA, SE
[71] INTELLIGENT VIRUS IMAGING INC., US
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[54] **COMPOUNDS FOR THE TREATMENT OF DISEASES LINKED TO MITOCHONDRIAL REACTIVE OXYGEN SPECIES (ROS) PRODUCTION**
[54] **COMPOSES POUR LE TRAITEMENT DE MALADIES LIEES A LA PRODUCTION DE FORMES REACTIVES DE L'OXYGENE (FRO) MITOCHONDRIALES**
[72] DIOLEZ, PHILIPPE, FR
[72] DETAILLE, DOMINIQUE, FR
[72] MARIN, FREDERIC, FR
[72] PETITJEAN, OLIVIER, FR
[71] OP2 DRUGS, FR
[71] CENTRE HOSPITALIER UNIVERSITAIRE DE BORDEAUX, FR
[71] INSERM (INSTITUT DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] UNIVERSITE DE BORDEAUX, FR
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[54] **PREDICTION OF CLINICAL RESPONSE TO IL23-ANTAGONISTS USING IL23 PATHWAY BIOMARKERS**
[54] **PREDICTION DE REPONSE CLINIQUE A DES ANTAGONISTES D'IL23 UTILISANT DES BIOMARQUEURS DE LA VOIE DE L'IL23**
[72] GEORGANTAS, ROBERT W., III, US
[72] MOREHOUSE, CHRIS, US
[72] HIGGS, BRANDON, US
[72] RANADE, KOUSTUBH, US
[72] STREICHER, KATIE, US
[72] REES, WILLIAM, US
[72] LIANG, MEINA, US
[72] FAGGIONI, RAFFAELLA, US
[72] LI, JING, US
[72] VAINSHTEIN, INNA, US
[72] LEE, YEN-WAH, US
[72] CHEN, JINGJING, US
[72] GASSER, ROBERT A., JR., US
[71] AMGEN INC., US
[71] MEDIMMUNE, LLC, US
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[54] **METHODS AND COMPOSITIONS FOR SOFT ANTICHOLINERGIC ZWITTERIONS**
[54] **METHODES ET COMPOSITIONS POUR ZWITTERIONS ANTICHOLINERGIQUES DOUX**
[72] BODOR, NICHOLAS S., US
[71] BODOR LABORATORIES, INC., US
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[54] **PROCESS FOR PREPARING CONSTRUCTION ARTICLES WITH CURED PRESSURE-SENSITIVE ADHESIVES**
[54] **PROCEDE POUR PREPARER DES ARTICLES DE CONSTRUCTION AVEC DES ADHESIFS SENSIBLES A LA PRESSION DURCIS**
[72] TANG, JIANSHENG, US
[72] WATKINS, CARL, US
[72] HARVILLE, CHARLES, US
[72] WOOD, MARK, US
[72] CARR, JOSEPH, US
[71] FIRESTONE BUILDING PRODUCTS CO., LLC, US
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[54] **SUNSCREEN COMPOSITIONS WITH IMPROVED WATER RESISTANCE OF UVA SUNSCREEN ACTIVE AGENTS**
[54] **COMPOSITIONS D'ECRAN SOLAIRE AVEC RESISTANCE A L'EAU AMELIOREE D'AGENTS ACTIFS D'ECRAN SOLAIRE UVA**
[72] SANOGUEIRA, JAMES, US
[72] WIENER, GLENN, US
[72] ZHENG, TAO, US
[71] EDGEWELL PERSONAL CARE BRANDS, LLC, US
[85] 2018-03-13
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[54] **DRYWALL JOINT TAPE WITH DUAL PURPOSE ADHESIVE BACKING**
[54] **BANDE DE JOINT POUR CLOISONS SECHES MUNIE DE SUPPORT ADHESIF A DOUBLE USAGE**
[72] ROSENTHAL, GUY, US
[72] HARGROVE, PAMELA L., US
[72] ADCOCK, JOSEPH, US
[72] NEGRI, ROBERT, US
[71] UNITED STATES GYPSUM COMPANY, US
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[54] **METHODS OF TREATING INTRAOCULAR PRESSURE WITH ACTIVATORS OF TIE-2**
[54] **METHODES DE TRAITEMENT DE LA PRESSION INTRAOCULAIRE AVEC DES ACTIVATEURS DE TIE-2**
[72] PETERS, KEVIN GENE, US
[71] AERPIO THERAPEUTICS, INC., US
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[54] **PHARMACEUTICAL ASSOCIATION FOR CONVERTING A NEOPLASTIC CELL INTO A NON-NEOPLASTIC CELL AND USES THEREOF**
[54] **ASSOCIATION PHARMACEUTIQUE POUR CONVERTIR UNE CELLULE NEOPLASIQUE EN CELLULE NON-NEOPLASIQUE ET SES UTILISATIONS**
[72] ZOUANI, OMAR F., CH
[72] GOCHEVA, VERONIKA, CH
[71] HISTIDE AG, CH
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[54] **CONTROL OF THERMOPLASTIC COMPOSITE DEGRADATION IN DOWNHOLE CONDITIONS**
[54] **CONTROLE DE LA DEGRADATION D'UN COMPOSITE THERMOPLASTIQUE DANS DES CONDITIONS DE FOND DE TROU**
[72] ZHU, SHITONG S., US
[72] AMARANTE, MIRANDA, US
[72] CELESTINE, ASHA-DEE, TT
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2018-03-14
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[51] **Int.Cl. C07D 213/61 (2006.01) C07D 401/06 (2006.01) C07D 453/02 (2006.01)**
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[54] **ANTIFUNGAL COMPOUND PROCESS**
[54] **PROCEDE DE PREPARATION D'UN COMPOSE ANTIFONGIQUE**
[72] WIRTH, DAVID DALE, US
[72] YATES, CHRISTOPHER M., US
[72] HOEKSTRA, WILLIAM J., US
[72] BINDL, MARTIN F., DE
[72] HARTMANN, EDUARD, DE
[71] MYCOVIA PHARMACEUTICALS, INC., US
[85] 2018-03-14
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[54] **PROCEDE DE PREPARATION D'UN COMPOSE ANTIFONGIQUE**
[72] WIRTH, DAVID DALE, US
[72] YATES, CHRISTOPHER M., US
[72] HOEKSTRA, WILLIAM J., US
[71] VPS-3, INC., US
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[54] **ANTICORPS ANTI-PSA (5A10) HUMANISES**
[72] TRAN, AMANDA THUY, SE
[72] AXELSSON, ANDERS, SE
[72] MALMBORG HAGER, CECILIA ANN-CHRISTIN, SE
[72] SJOSTROM, KJELL, SE
[72] STRAND, SVEN-ERIK, SE
[72] LAMMINMAKI, URPO JUHANI, FI
[71] FREDAX AB, SE
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[86] 2016-10-04 (PCT/EP2016/073684)
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[25] EN
[54] **FOAMING SUNSCREEN COMPOSITION CONTAINING AN ULTRAVIOLET RADIATION-ABSORBING COMPOUND AND A SUPERHYDROPHILIC AMPHIPHILIC COPOLYMER**
[54] **COMPOSITION D'ECRAN SOLAIRE MOUSSANTE CONTENANT UN COMPOSE ABSORBANT LES RAYONNEMENTS ULTRAVIOLETS ET UN COPOLYMERE AMPHIPHILE SUPERHYDROPHILE**
[72] DALY, SUSAN, US
[72] MAITRA, PRITHWIRAJ, US
[72] SETIAWAN, BARRY, US
[71] JOHNSON & JOHNSON CONSUMER INC., US
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[51] **Int.Cl. A61J 7/04 (2006.01) A46B 15/00 (2006.01) A61J 1/03 (2006.01)**
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[54] **MEDICATION REMINDER TOOTHBRUSH**
[54] **BROSSE A DENTS A FONCTION DE RAPPEL DE PRISE DE MEDICAMENTS**
[72] PATEL, ASHLESHA, US
[71] PATEL, ASHLESHA, US
[71] AP DESIGNS LLC, US
[85] 2018-03-15
[86] 2016-09-12 (PCT/US2016/051321)
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[54] **PROCESS OF PRODUCING LIQUID FUELS FROM COAL USING BIOMASS-DERIVED SOLVENTS**
[54] **PROCEDE DE PRODUCTION DE CARBURANTS LIQUIDES A PARTIR DU CHARBON AU MOYEN DE SOLVANTS DERIVES DE LA BIOMASSE**
[72] CHAUHAN, SATYA P., US
[72] GARBARK, DANIEL B., US
[72] BENECKE, HERMAN P., US
[72] CONKLE, NICHOLAS H., US
[71] BATTELLE MEMORIAL INSTITUTE, US
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[54] **CARBORANE COMPOUNDS AND METHODS OF USE THEREOF**
[54] **COMPOSES CARBORANE ET LEURS PROCEDES D'UTILISATION**
[72] TJARKS, WERNER, US
[72] BARTUNEK, PETR, CZ
[72] SEDLAK, DAVID, CZ
[71] OHIO STATE INNOVATION FOUNDATION, US
[71] INSTITUTE OF MOLECULAR GENETICS AS CR, V.V.I., CZ
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[54] **METHODS OF PROMOTING HEPATIC REGENERATION**
[54] **PROCEDES POUR FAVORISER LA REGENERATION HEPATIQUE**
[72] JANSEN, PETER LEONARDUS MARIA, NL
[72] OLDE DAMINK, STEPHANUS WILLIBRODUS MARIA, NL
[72] SCHAAP, FRANCISCUS GERARDUS, NL
[72] LECLERO, ISABELLE ANNE, BE
[71] INTERCEPT PHARMACEUTICALS, INC., US
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[51] **Int.Cl. C12Q 1/68 (2018.01)**
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[54] **METHODS AND COMPOSITIONS FOR GENOMIC TARGET ENRICHMENT AND SELECTIVE DNA SEQUENCING**
[54] **PROCEDES ET COMPOSITIONS POUR L'ENRICHISSEMENT D'UNE CIBLE GENOMIQUE ET LE SEQUENCAGE SELECTIF D'ADN**
[72] LIZARDI, PAUL M., US
[72] FERGUSON, BRENT W., US
[71] PETAOMICS, INC., US
[85] 2018-03-15
[86] 2016-09-16 (PCT/US2016/052317)
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[54] **SEPARATOR PLATE FOR AN ELECTROCHEMICAL SYSTEM**
[54] **PLAQUE DE SEPARATEUR POUR UN SYSTEME ELECTROCHIMIQUE**
[72] KUNZ, CLAUDIA, DE
[72] WENZEL, STEPHAN, DE
[71] REINZ-DICHTUNGS-GMBH, DE
[85] 2018-03-14
[86] 2016-09-16 (PCT/EP2016/072073)
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[30] DE (20 2015 104 973.0) 2015-09-18

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[25] EN
[54] **ELECTRICALLY DRIVEN MACHINE WITH REVERSE POWER STORAGE**
[54] **MACHINE DE TRAVAIL ELECTRIQUE A STOCKAGE DU RETOUR DE PUISSANCE**
[72] MUNST, THOMAS, DE
[72] BAYER, DANIEL, DE
[71] LIEBHERR-COMPONENTS BIBERACH GMBH, DE
[85] 2018-03-16
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[30] DE (20 2015 006 587.2) 2015-09-18
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[25] EN
[54] **TIE WRAP CONNECTOR AND STRAP KIT**
[54] **NECESSAIRE DE SANGLE ET RACCORD A ATTACHE AUTOBLOQUANTE**
[72] RIVARD, LOUIS-PHILIPPE, CA
[71] 9191-1230 QUEBEC INC., CA
[85] 2018-03-16
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[54] **DISPOSITIF ELECTROCHIRURGICAL ET PROCEDES**
[72] GILBERT, JAMES A., US
[72] RUPP, STEVEN C., US
[72] GREGG, WILLIAM N., US
[72] JOHNSON, KRISTIN D., US
[72] JOHNSON, DIRK, US
[71] EXIMIS SURGICAL LLC, US
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[30] US (62/220,179) 2015-09-17
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[72] GADDIPATI, SANYASI, DE
[72] NUECKEL, FRITZ WILHELM, DE
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[72] KOBAL, GERD, US
[71] PHILIP MORRIS PRODUCTS S.A., CH
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[71] DEPUY IRELAND UNLIMITED COMPANY, IE
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[54] **DISPOSITIF DE SEPARATION DE GAZ SANS HYDROCARBURE ET PROCEDE DE SEPARATION DE GAZ SANS HYDROCARBURE**
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[72] FUJIMURA, YASUSHI, JP
[72] MATSUYAMA, AIKO, JP
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[54] **APPAREIL D'AFFICHAGE DE VEHICULE, ET PROCEDE D'AFFICHAGE DE VEHICULE**
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[72] SUZUKI, DAISUKE, JP
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[54] **CARTOUCHE DE REVELATEUR**
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[71] QINTERRA TECHNOLOGIES AS, NO
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[54] **PROCEDE DE CULTURE PERMETTANT LA DIFFERENCIATION DE CELLULES GERMINALES EMBRYONNAIRES EN OVOCYTES FONCTIONNELLEMENT MATURES**
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[54] **PROCEDES DE SYNTHESE DE PEPTIDES EN PHASE SOLIDE ET SYSTEMES ASSOCIES**
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[72] MIJALIS, ALEXANDER JAMES, US
[72] PENTELUTE, BRADLEY L., US
[72] SIMON, MARK DAVID, US
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[72] GWIN, JUSTIN THOMAS, US
[72] MCFARLAND, WILLIAM ROYDEN, US
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[71] CALIFORNIA INSTITUTE OF TECHNOLOGY, US
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[54] **COMPOSITIONS DE NETTOYAGE DE SURFACES DURES COMPRENANT DES TENSIOACTIFS NON IONIQUES ETHOXYLES ALCOXYLES OU UN COPOLYMERE ET TAMPONS DE NETTOYAGE ET PROCEDES POUR UTILISER DE TELLES COMPOSITIONS DE NETTOYAGE**
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[72] FLUXE, ANDREW JAMES, US
[71] THE PROCTER & GAMBLE COMPANY, US
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[54] **DISPOSITIF ET PROCEDE DE RECUPERATION DE BILLES DE FRACTURATION**
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[72] CALIGIURI, MICHAEL, US
[72] DEVINE, STEVEN, US
[71] CYTOIMMUNE THERAPEUTICS, LLC, US
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[54] **COMPOSITIONS D'ESTER DE CHOLINE D'ACIDE LIPOIQUE ET PROCEDES POUR GENERER DES FORMULATIONS OPHTALMIQUES BIOCOMPATIBLES**
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[71] ENCORE VISION, INC., US
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[72] LUNDQUIST, ERIC, US
[72] MAULLER, LINDA, US
[71] EVONIK DEGUSSA GMBH, DE
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[54] **RACCORD FILETE DE TUYAU AVEC CAPTEUR**
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[71] LENLOK HOLDINGS, LLC, US
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[54] **PERSONAL VAPORIZER HAVING REVERSING AIR FLOW**
[54] **VAPORISATEUR PERSONNEL AYANT UN ECOULEMENT D'AIR A INVERSION**
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[71] LUBBY HOLDINGS LLC, US
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[54] **MAGNETIC PIPE JOINT LOCATION DETECTION SYSTEM AND METHOD**
[54] **SYSTEME MAGNETIQUE DE DETECTION D'EMPLACEMENT DE JOINT DE TUBE ET SON PROCEDE**
[72] DEWALD, BRIAN DALE, CA
[72] COOMBE, BRENT JAMES WILLIAM, CA
[71] TESCO CORPORATION, US
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[54] **METHOD AND DEVICE FOR SUPPLY OF WATER TO A CAGE, AND AN OVERFLOW DEVICE**
[54] **PROCEDE ET DISPOSITIF POUR FOURNIR DE L'EAU A UNE CAGE, ET UN DISPOSITIF DE TROP-PLEIN**
[72] VANGEN, KNUT, NO
[72] VANGEN, VIDAR, NO
[71] VANGEN, KNUT, NO
[71] VANGEN, VIDAR, NO
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[54] **POLYOL PRE-MIXES HAVING IMPROVED SHELF LIFE**
[54] **PRE-MELANGES DE POLYOLS A DUREE DE CONSERVATION AMELIOREE**
[72] CHEN, BENJAMIN BIN, US
[72] COSTA, JOSEPH S., US
[72] SESHADRI, SRI R., US
[72] ABBAS, LAURENT, US
[71] ARKEMA INC., US
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[54] **METHOD AND APPARATUS FOR FACILITATING CUSTOMER INTERACTIONS WITH ENTERPRISES**
[54] **PROCEDE ET APPAREIL PERMETTANT DE FACILITER LES INTERACTIONS DES CLIENTS AVEC LES ENTREPRISES**
[72] KANNAN, PALLIPURAM V., US
[71] 24/7 CUSTOMER, INC., US
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[54] **A WIRELESS INITIATION DEVICE**
[54] **DISPOSITIF D'AMORCAGE SANS FIL**
[72] WICKS, BYRON, SG
[72] HUMMEL, DIRK, SG
[72] BOOS, THOMAS, SG
[71] ORICA INTERNATIONAL PTE LTD, SG
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[54] **METHODS OF MAKING FUCOSYLATED AND AFUCOSYLATED FORMS OF A PROTEIN**
[54] **PROCEDES DE FABRICATION DE FORMES FUCOSYLEES ET AFUCOSYLEES D'UNE PROTEINE**
[72] MISAGHI, SHAHRAM, US
[72] LOWE, JOHN B., US
[72] SNEDECOR, BRADLEY R., US
[71] GENENTECH, INC., US
[85] 2018-03-16
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[54] **METHOD FOR SIMULATING HIGH PRESSURE PARAFFINIC FROTH TREATMENTS**
[54] **PROCEDE PERMETTANT DE SIMULER DES TRAITEMENTS A LA MOUSSE PARAFFINIQUE HAUTE PRESSION**
[72] FAGHIHNEJAD, ALI, CA
[72] LUO, MENG, CA
[72] GAO, SONG, CA
[72] CHENGARA, ANOOP, US
[71] ECOLAB USA INC., US
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[54] **SYSTEMES ET PROCEDES D'AUTHENTIFICATION**
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[72] LUCAS, BRAD, US
[72] STEPHENSON, JACK, US
[72] CALDWELL, S. SHANE, III, US
[72] MACKAY, SCOTT, US
[72] STAINS, BRENT A., US
[72] MCCRORY, DALE, US
[72] PETERSEN, MARK A., US
[72] VEL, RAJA, US
[71] FIRST DATA CORPORATION, US
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[54] **PROTECTED DNA TEMPLATES FOR GENE MODIFICATION AND INCREASED HOMOLOGOUS RECOMBINATION IN CELLS AND METHODS OF USE**
[54] **MATRICES ADN PROTEGEES POUR MODIFICATION GENIQUE ET RECOMBINAISON HOMOLOGUE ACCRUE DANS LES CELLULES ET LEURS PROCEDES D'UTILISATION**
[72] FRISCH, RYAN L., US
[71] E. I. DU PONT DE NEMOURS AND COMPANY, US
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[51] **Int.Cl. A01K 61/00 (2017.01) A01K 63/04 (2006.01)**
[25] EN
[54] **METHOD AND ARRANGEMENT FOR EMPTYING A SEA PEN OF MARINE ORGANISMS**
[54] **PROCEDE ET AGENCEMENT POUR VIDER UNE CAGE D'ELEVAGE D'ORGANISMES MARINS**
[72] VANGEN, KNUT, NO
[72] VANGEN, VIDAR, NO
[71] VANGEN, KNUT, NO
[71] VANGEN, VIDAR, NO
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[54] **SYSTEM AND METHOD FOR LOCATING CONTENT RELATED TO A MEDIA ASSET**
[54] **SYSTEME ET PROCEDE POUR LOCALISER UN CONTENU ASSOCIE A UN ACTIF MULTIMEDIA**
[72] PATEL, MILAN, US
[72] SHAH, SANDIP, US
[71] ROVI GUIDES, INC., US
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[54] **VARIABLE SWEEPING FOR INPUT DEVICES**
[54] **BALAYAGE VARIABLE POUR DISPOSITIFS D'ENTREE**
[72] PEINE, WILLIAM, US
[72] FARLOW, JARED, US
[72] BLANCO, MATTHEW, US
[71] COVIDIEN LP, US
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[51] **Int.Cl. C12N 5/09 (2010.01) C12Q 1/02 (2006.01)**
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[54] **METHODS OF PREPARING A PRIMARY CELL SAMPLE**
[54] **PROCEDES DE PREPARATION D'UN ECHANTILLON CELLULAIRE PRIMAIRE**
[72] LAING, LANCE GAVIN, US
[72] RICH, BEN, US
[72] DANDAPAT, ABHIJIT, US
[71] CELCUITY LLC, US
[85] 2018-03-16
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[54] **SYSTEMS AND METHODS FOR FACILITATING PURCHASES AT A GAS STATION**
[54] **SYSTEMES ET PROCEDES POUR FACILITER DES ACHATS DANS UNE STATION-SERVICE**
[72] ROYYURU, VIJAY K., US
[72] LUCAS, BRAD, US
[72] STEPHENSON, JACK, US
[72] CALDWELL, S. SHANE, III, US
[72] MACKAY, SCOTT, US
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[71] FIRST DATA CORPORATION, US
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[25] EN
[54] **METHODS AND SYSTEMS FOR PRESENTING MEDIA LISTINGS BASED ON QUALITY OF SERVICE AT A USER DEVICE**
[54] **PROCEDES ET SYSTEMES DE PRESENTATION DE LISTES DE CONTENUS MULTIMEDIA SUR LA BASE DE LA QUALITE DE SERVICE AU NIVEAU D'UN DISPOSITIF D'UTILISATEUR**
[72] KLAPPERT, WALTER R., US
[72] VALADEZ, RAYMOND, JR., US
[71] ROVI GUIDES, INC., US
[85] 2018-03-16
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[51] **Int.Cl. G06F 3/01 (2006.01) G06F 3/0481 (2013.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DISPLAYING ADDITIONAL CONTENT ON A HEADS UP DISPLAY DISPLAYING A VIRTUAL REALITY ENVIRONMENT**
[54] **PROCEDES ET SYSTEMES PERMETTANT D'AFFICHER UN CONTENU SUPPLEMENTAIRE SUR UN AFFICHAGE TETE HAUTE AFFICHANT UN ENVIRONNEMENT DE REALITE VIRTUELLE**
[72] SHANWARE, AJIT, US
[71] ROVI GUIDES, INC., US
[85] 2018-03-16
[86] 2017-04-26 (PCT/US2017/029593)
[87] (WO2017/189699)
[30] US (15/140,272) 2016-04-27
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[51] **Int.Cl. G06F 17/30 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ENABLING QUICK ACCESS TO MEDIA OPTIONS MATCHING A USER PROFILE**
[54] **SYSTEMES ET PROCEDES POUR PERMETTRE UN ACCES RAPIDE A DES OPTIONS MULTIMEDIA CORRESPONDANT A UN PROFIL D'UTILISATEUR**
[72] THOMAS, WILLIAM L., US
[71] ROVI GUIDES, INC., US
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[54] **DEVICE AND SYSTEM FOR INSERTION OF PENETRATING MEMBER**
[54] **DISPOSITIF ET SYSTEME POUR INSERTION D'ELEMENT DE PENETRATION**
[72] RENNICKS, KENNETH WAYNE, US
[72] HERLIHY, JAMES PATRICK, US
[72] BAGWELL, ROGER B., US
[72] CLEMENT, RYAN S., US
[72] MEEHAN, ANDREW J., US
[72] MULVIHILL, MAUREEN L., US
[72] SCRUGGS, CASEY A., US
[72] SNOOK, KEVIN A., US
[72] COHN, WILLIAM E., US
[71] EX MACHINA MEDICAL, LLC, US
[71] ACTUATED MEDICAL, INC., US
[71] BAYLOR COLLEGE OF MEDICINE, US
[71] TEXAS HEART INSTITUTE, US
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[30] US (62/220,567) 2015-09-18

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[51] **Int.Cl. G06F 17/27 (2006.01)**
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[54] **SYSTEMS AND METHODS FOR DISAMBIGUATING A TERM BASED ON STATIC AND TEMPORAL KNOWLEDGE GRAPHS**
[54] **SYSTEMES ET PROCEDES SERVANT A LEVER L'AMBIGUITE SUR UN TERME SUR LA BASE DES GRAPHES DE CONNAISSANCES STATIQUES ET TEMPORELS**
[72] MALHOTRA, MANIK, IN
[72] VENKATARAMAN, SASHIKUMAR, US
[72] MOHAIDEEN P, AHMED NIZAM, IN
[71] ROVI GUIDES, INC., US
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[54] **VEHICULE DE TRANSPORT PERSONNEL AUTO-EQUILIBRE PORTATIF A DEUX ROUES**
[72] EDNEY, DANIEL BRYAN LAIRD, US
[71] P&N PHC, LLC, US
[85] 2018-03-16
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[30] US (62/222,779) 2015-09-24
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[51] **Int.Cl. F03D 7/02 (2006.01)**
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[54] **METHOD OF DETERMINING AND CONTROLLING THE ATTACK ANGLE OF FIXED-SPEED WIND TURBINE BLADE**
[54] **PROCEDE PERMETTANT DE DETERMINER ET DE COMMANDER L'ANGLE D'ATTAQUE D'UNE PALE DE TURBINE EOLIENNE A VITESSE FIXE**
[72] BA AT, LAI, VN
[71] BA AT, LAI, VN
[85] 2018-03-16
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[25] EN
[54] **SYSTEMS AND METHODS FOR ENSURING CONTINUED ACCESS TO MEDIA OF A PLAYLIST FOR MULTIPLE USERS**
[54] **SYSTEMES ET PROCEDES POUR ASSURER UN ACCES CONTINU A DES SUPPORTS D'UNE LISTE DE LECTURE POUR DE MULTIPLES UTILISATEURS**
[72] BLAKE, JOHN, US
[72] PATEL, MILAN INDU, US
[72] YOUNG, ROWENA, US
[72] BOURDON, JEAN MICHEL PIERRE, US
[71] ROVI GUIDES, INC., US
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[51] **Int.Cl. A61M 39/04 (2006.01) A61M 39/26 (2006.01)**
[25] EN
[54] **PRIMING DEVICE**
[54] **DISPOSITIF D'AMORCAGE**
[72] YEH, JONATHAN, US
[72] CHENG, MARCO, US
[72] MANSOUR, GEORGE, US
[71] CAREFUSION 303, INC., US
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[25] EN
[54] **SYSTEMS AND METHODS FOR PERFORMING AN ACTION BASED ON VIEWING POSITIONS OF OTHER USERS**
[54] **SYSTEMES ET PROCEDES PERMETTANT D'EFFECTUER UNE ACTION EN FONCTION DE POSITIONS DE VISUALISATION D'AUTRES UTILISATEURS**
[72] SAITO, SAKURA, JP
[71] ROVI GUIDES, INC., US
[85] 2018-03-16
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[30] US (15/195,001) 2016-06-28

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[25] EN
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[54] **CAPTEUR INTEGRE A UN ANNEAU VAGINAL**
[72] FOUGERE, RICHARD J., US
[72] DONG, MING, US
[71] JOHNSON & JOHNSON CONSUMER INC., US
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[54] **PILE A COMBUSTIBLE METAL-AIR**
[72] SMEDLEY, STUART, US
[72] TIVY, WOLF, CA
[72] BRUCE, DAVID ROBERT (DECEASED), CA
[71] ZINCNYX ENERGY SOLUTIONS INC., CA
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[54] **THERAPIE A BASE DE CELLULES CAR-T PRESENTANT UNE EFFICACITE ACCRUE**
[72] MOTZ, GREGORY, US
[72] BUSHMAN, FREDERIC DIXON, US
[72] FRAIETTA, JOSEPH A., US
[72] JUNE, CARL H., US
[72] MELENHORST, JAN J., US
[72] NOBLES, CHRISTOPHER LOREN, US
[72] YOUNG, REGINA M., US
[71] NOVARTIS AG, CH
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
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[30] US (62/220,196) 2015-09-17

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[25] EN
[54] **OPTICAL PRESSURE SENSOR WITH REDUCED MECHANICAL STRESSES**
[54] **CAPTEUR DE PRESSION OPTIQUE A CONTRAINTES MECANIQUES REDUITES**
[72] DUPLAIN, GAETAN, CA
[72] BUSSIERE, SYLVAIN, CA
[72] LAFLEUR, PHILIPPE, CA
[71] OPSENS SOLUTIONS INC., CA
[85] 2018-03-19
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[30] US (62/221,313) 2015-09-21

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[54] **ADVANCED COMPONENT BASED CONVEYOR BELT SPLICER**
[54] **JOINTEUR DE BANDES POUR CONVOYEUR A BASE D'UN COMPOSANT AVANCE**
[72] SHAW, TIMOTHY, CA
[71] SHAW-ALMEX INDUSTRIES LTD., CA
[85] 2018-03-19
[86] 2016-09-19 (PCT/CA2016/051097)
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[30] GB (1516626.7) 2015-09-18

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[54] **SYSTEMES ET PROCEDES POUR EXECUTER UNE FONCTION SUPPLEMENTAIRE POUR UNE REQUETE EN LANGAGE NATUREL**
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[72] MOHAIDEEN P., AHMED NIZAM, IN
[71] ROVI GUIDES, INC., US
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[54] **TISSUS UHMWPE A HAUTE RESISTANCE A FAIBLE POROSITE**
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[72] NGUYEN, HUY XUAN, US
[72] WAGNER, LORI L., US
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[54] **SYSTEME DE ROBOT CHIRURGICAL POUR UTILISATION DANS UNE IRM**
[72] GOLDENBERG, ANDREW A., CA
[72] YANG, YI, CA
[72] MA, LIANG, CA
[71] ENGINEERING SERVICES INC., CA
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[54] **ORAL CARE IMPLEMENT AND SPIRAL BRISTLE FOR USE WITH THE SAME**
[54] **INSTRUMENT DE SOIN BUCCO-DENTAIRE ET MATERIAU DE SOIE SPIRALE A UTILISER AVEC CELUI-CI**
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[72] ZHANG, BO, CN
[72] GUO, GUANG SHENG, CN
[71] COLGATE-PALMOLIVE COMPANY, US
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[54] **APPARATUS, SYSTEM AND METHOD FOR MONITORING SOIL CRITERIA DURING TILLAGE OPERATIONS AND CONTROL OF TILLAGE TOOLS**
[54] **APPAREIL, SYSTEME ET PROCEDE PERMETTANT DE SURVEILLER DES CRITERES RELATIFS AU SOL PENDANT DES OPERATIONS DE TRAVAIL DU SOL, ET COMMANDE D'OUTILS DE TRAVAIL DU SOL**
[72] STOLLER, JASON, US
[72] MCMENAMY, JUSTIN, US
[72] MORGAN, MATTHEW, US
[72] KOCH, DALE, US
[71] PRECISION PLANTING LLC, US
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[54] **COMPOSITIONS AND METHODS FOR DIAGNOSING LYME DISEASE AND FOR PREDICTING LYME DISEASE SPIROCHETE ELIMINATION AFTER TREATMENT**
[54] **COMPOSITIONS ET PROCEDES POUR LE DIAGNOSTIC DE LA MALADIE DE LYME ET DE PREDICTION D'ELIMINATION DE SPIROCHETES DE LA MALADIE DE LYME APRES TRAITEMENT**
[72] CALLISTER, STEVEN M., US
[72] BOYLE, JEFF, US
[72] MIYAMASU, MISATO, US
[72] DATTWYLER, RAYMOND J., US
[72] ARNABOLDI, PAUL M., US
[71] QIAGEN SCIENCES LLC, US
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[71] GUNDERSEN LUTHERAN MEDICAL FOUNDATION, INC., US
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[54] **PREPARATION PHARMACEUTIQUE D'ANTICORPS ANTI-PD-1 STABLE ET APPLICATION DE CELLE-CI DANS UN MEDICAMENT**
[72] LI, JIE, CN
[72] YAN, ZHEN, CN
[72] WANG, PINGPING, CN
[72] FANG, YAN, CN
[72] TAO, WEIKANG, CN
[72] ZHANG, LIANSHAN, CN
[72] SUN, PIAOYANG, CN
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[72] HORNE, DAVID, US
[72] HICKEY, ROBERT J., US
[72] GU, LONG, US
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[54] **FORMULATION DE NICOTINE A INHALER ET PROCEDES DE PRODUCTION ET D'UTILISATION ASSOCIES**
[72] STENZLER, ALEX, US
[72] ZAMEL, NOE, CA
[72] SLUTSKY, ARTHUR, CA
[72] ELLIS, STEVEN, CA
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[54] **APPORT LOCALISE D'UN AGENT ANTICHIMIOREPULSION POUR LE TRAITEMENT DU CANCER**
[72] POZNANSKY, MARK C., US
[71] THE GENERAL HOSPITAL CORPORATION DBA MASSACHUSETTS GENERAL HOSPITAL, US
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[54] **CADRE STEREOTAXIQUE POUR EXTREMITES**
[72] CABAL MIRABAL, CARLOS ALBERTO, CU
[72] GONZALEZ DALMAU, EVELIO RAFAEL, CU
[72] ORAMAS DIAZ, LEONARDO, CU
[72] HERRERA MARTINEZ, LUIS SATURNINO, CU
[72] BERLANGA ACOSTA, JORGE AMADOR, CU
[72] FERNANDEZ MONTEQUIN, JOSE IGNACIO, CU
[72] GUILLEN NIETO, GERARDO ENRIQUE, CU
[72] FLORES DIAZ, LUIS MANUEL, CU
[72] CABANAS RODRIGUEZ, ORESTES LUCIO, CU
[72] GONZALEZ BLANCO, SONIA, CU
[72] UBIETA GOMEZ, RAIMUNDO, CU
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[54] **DISPOSITIF D'INJECTION**
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[71] HASELMEIER AG, CH
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[54] **IMPRESSION EN 3D DE PIECES ET DE BATIMENTS A L'AIDE DE CIMENT BCT**
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[72] WORTMANN, KAI, DE
[71] HEIDELBERGCEMENT AG, DE
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[54] **APPAREIL DE COMMUTATION**
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[71] ELLENBERGER & POENSGEN GMBH, DE
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[54] **CELLULES TUEUSES NATURELLES MODIFIEES POSSEDANT DES PROPRIETES ANTICHIMIOREPULSION ET UTILISATIONS DE CELLES-CI**
[72] POZNANSKY, MARK C., US
[72] VIANELLO, FABRIZIO, US
[71] THE GENERAL HOSPITAL CORPORATION DBA MASSACHUSETTS GENERAL HOSPITAL, US
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[54] **SYSTEMES ET PROCEDES DESTINES A LA DETERMINATION D'UN CHEMIN D'EXECUTION POUR UNE INTERROGATION EN LANGAGE NATUREL**
[72] VENKATARAMAN, SASHIKUMAR, US
[72] MOHAIDEEN P., AHMED NIZAM, IN
[71] ROVI GUIDES, INC., US
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[25] EN
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[54] **SYSTEME DE CONTACT ELECTRIQUE BASSE TENSION A EFFET DE SOUFFLAGE D'ARC AMELIORE**
[72] SIMON, REINHARD, CH
[72] JOHANSSON, ERIK, SE
[72] ERIKSSON, GORAN, SE
[72] BOEHM, MORITZ, CH
[72] JOHANSSON, GUNNAR, SE
[71] ABB SCHWEIZ AG, CH
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[25] EN
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[54] **COMPOSITIONS POSSEDANT DES PROPRIETES ANTICHIMIOREPULSION POUR LE TRAITEMENT DU CANCER**
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[71] THE GENERAL HOSPITAL CORPORATION DBA MASSACHUSETTS GENERAL HOSPITAL, US
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[54] **MODIFIED T-CELLS HAVING ANTI-FUGETACTIC PROPERTIES AND USES THEREOF**
[54] **LYMPHOCYTES T MODIFIES POSSEDANT DES PROPRIETES ANTICHIMIOREPULSION ET UTILISATIONS DE CEUX-CI**
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[72] VIANELLO, FABRIZIO, US
[71] THE GENERAL HOSPITAL CORPORATION DBA MASSACHUSETTS GENERAL HOSPITAL, US
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[54] **PREDICTEURS BIOCHIMIQUES DE LA QUALITE DES GLOBULES ROUGES**
[72] ZIMRING, JAMES CHARLES, US
[71] BLOODWORKS, US
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[54] **DISPOSITIF DE TRAITEMENT D'IMAGES ET PROCEDE DE TRAITEMENT D'IMAGES**
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[72] KANAI, KENICHI, JP
[71] SONY CORPORATION, JP
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[54] **DATA-BASED MEMORABILIA PRODUCT AND METHOD OF MAKING THE SAME**
[54] **PRODUIT DE COLLECTION DE SOUVENIRS EN FONCTION DE DONNEES ET SON PROCEDE DE FABRICATION**
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[54] **MACHINE ELECTRIQUE POURVUE DE FENTES DE REFROIDISSEMENT RADIALES ET EOLIENNE**
[72] BRASAS, FRANK, DE
[72] GRUBER, ROBERT, DE
[72] KROMPASS, MARTIN, DE
[72] MEMMINGER, OLIVER, DE
[72] SCHIFFERER, KLAUS, DE
[72] SPERL, TOBIAS, DE
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[54] **PLAQUETTES MONOALVEOLAIRES POUR UN EMPILEMENT OPTIMISE**
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[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE
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[54] **SYSTEMS, APPARATUS, AND METHODS FOR OPHTHALMIC LENSES WITH WIRELESS CHARGING**
[54] **SYSTEMES, APPAREIL ET PROCEDES POUR VERRES CORRECTEURS AVEC CHARGE SANS FIL**
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[71] E-VISION SMART OPTICS, INC., US
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[54] **PROCEDE ET SYSTEME DE PROTECTION DE DONNEES ELECTRONIQUES CONFIDENTIELLES**
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[72] GERSTMEYR, MATTHIAS, DE
[72] GONSBERG, SWEN, DE
[72] FONDERMANN, BERND, DE
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[25] EN
[54] **LASER WELDING METHOD FOR PRODUCING A SEMI-FINISHED SHEET METAL PRODUCT MADE OF HARDENABLE STEEL AND COMPRISING A COATING BASED ON ALUMINIUM OR ALUMINIUM-SILICON**
[54] **PROCEDE DE SOUDAGE AU LASER POUR LA FABRICATION D'UN PRODUIT SEMI-FINI EN TOLE A PARTIR D'ACIER TREMPANT PRESENTANT UN REVETEMENT A BASE D'ALUMINIUM OU D'ALUMINIUM ET DE SILICIUM**
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[72] BOTH, CHRISTIAN, DE
[71] WISCO TAILORED BLANKS GMBH, DE
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[54] **UTILISATION DE PATE DE FIBRES CELLULOSIQUES**
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[72] BREDEMO, RONALD, SE
[71] SMURFIT KAPPA PAPER HOLDINGS FRANCE, FR
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[54] **DISPENSER FOR LIQUID TO PASTY SUBSTANCES**
[54] **DISTRIBUTEUR POUR MASSES LIQUIDES A PATEUSES**
[72] GOETTKE, SABINE, DE
[71] RPC BRAMLAGE GMBH, DE
[85] 2018-03-19
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[72] NORDIN, BERNTH, SE
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[54] **ELECTRODE**
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[72] GUSTAVSSON, JOHN, SE
[72] HOLMIN, SUSANNE, SE
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[54] **DISPENSER FOR LIQUID TO PASTY SUBSTANCES**
[54] **DISTRIBUTEUR POUR MASSES LIQUIDES A PATEUSES**
[72] GOETTKE, SABINE, DE
[71] RPC BRAMLAGE GMBH, DE
[85] 2018-03-19
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[30] DE (10 2016 105 999.4) 2016-04-01

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[54] **VALVE**
[54] **SOUPAPE**
[72] SATTELBERG, MANFRED, DE
[72] GOODWIN, MATTHEW STANLEY, GB
[72] PRESTON, TIMOTHY JAMES, GB
[72] ROOT, PAUL MICHAEL, GB
[71] GOODWIN PLC, GB
[85] 2018-03-19
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[25] EN
[54] **DEVICES, SYSTEMS AND METHODS FOR ENHANCED BIOMASS GROWTH IN GREENHOUSES**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES POUR AUGMENTER LA CROISSANCE DE LA BIOMASSE DANS LES SERRES**
[72] O'KEEFE, FRANK, US
[71] CARBON SINK, INC., US
[85] 2018-03-16
[86] 2016-09-16 (PCT/US2016/052145)
[87] (WO2017/049092)
[30] US (62/220,718) 2015-09-18
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[54] **DEVICES AND METHODS FOR ANALYZING ANIMAL BEHAVIOR**
[54] **DISPOSITIFS ET PROCEDES D'ANALYSE DU COMPORTEMENT D'UN ANIMAL**
[72] ROBERSON, DAVID P., US
[72] WOOLF, CLIFFORD J., US
[72] DO, MICHAEL T., US
[72] WILTSCHKO, ALEXANDER B., US
[72] DATTA, SANDEEP ROBERT, US
[71] CHILDREN'S MEDICAL CENTER CORPORATION, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2018-03-16
[86] 2016-09-16 (PCT/US2016/052359)
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[30] US (62/220,924) 2015-09-18

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[25] EN
[54] **SYSTEM AND METHOD FOR CHEMICAL RINSING OF A FILTRATION SYSTEM**
[54] **SYSTEME ET PROCEDE DE RINCAGE CHIMIQUE D'UN SYSTEME DE FILTRAGE**
[72] STAAKS, CHRISTIAN, DE
[72] BERG, PETER, DE
[71] BASF SE, DE
[85] 2018-03-19
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[54] **ANTI-CD95L ANTIBODY**
[54] **ANTICORPS ANTI-CD95L**
[72] GIEFFERS, CHRISTIAN, DE
[72] HILL, OLIVER, DE
[72] THIEMANN, MEINOLF, DE
[72] SYKORA, JAROMIR, DE
[72] MERZ, CHRISTIAN, DE
[72] SCHNYDER, TIM, DE
[72] FRICKE, HARALD, DE
[71] APOGENIX AG, DE
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[54] **SWATHING UNIT**
[54] **UNITE D'ANDAINAGE**
[72] JESPERSEN, PETER, DK
[71] KVERNELAND GROUP KERTEMINDE AS, DK
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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHOD OF PREPARING A THERAPEUTIC PROTEIN FORMULATION AND ANTIBODY FORMULATION PRODUCED BY SUCH A METHOD**
[54] **PROCEDE DE PREPARATION D'UNE FORMULATION DE PROTEINE THERAPEUTIQUE ET FORMULATION D'ANTICORPS PRODUITE PAR UN TEL PROCEDE**
[72] GLYNN, JUDY KAY, US
[72] CHEN, BRIAN XIN, US
[72] LACASSE, DANIEL PATRICK, US
[71] PFIZER INC., US
[85] 2018-03-19
[86] 2016-09-08 (PCT/IB2016/055355)
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[30] US (62/222,067) 2015-09-22

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[51] **Int.Cl. C09C 1/64 (2006.01) C08K 9/10 (2006.01) C09C 1/00 (2006.01) C09C 1/62 (2006.01) C09D 5/03 (2006.01) C09D 5/36 (2006.01)**
[25] EN
[54] **POWDER COATING AND METHOD FOR PREPARING A POWDER COATING**
[54] **PEINTURE EN POUDRE ET PROCEDE DE FABRICATION D'UNE PEINTURE EN POUDRE**
[72] LUTZ, CHRISTIAN, AT
[72] HERZHOFF, CARSTEN, AT
[71] TIGER COATINGS GMBH & CO. KG, AT
[85] 2018-03-19
[86] 2016-09-16 (PCT/EP2016/071919)
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[51] **Int.Cl. A61F 5/44 (2006.01) A61F 5/442 (2006.01)**
[25] EN
[54] **URINARY COLLECTION SYSTEM AND PROCEDURE FOR DECREASING CATHETER-ASSOCIATED BACTERIURIA**
[54] **SYSTEME COLLECTEUR D'URINE ET PROCEDE PERMETTANT DE REDUIRE LA BACTERIURIE ASSOCIEE A UN CATHETER**
[72] WASHINGTON, ERIC A., US
[71] WASHINGTON, ERIC A., US
[85] 2018-03-16
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[87] (WO2017/049255)
[30] US (62/220,316) 2015-09-18
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[51] **Int.Cl. A01D 34/66 (2006.01)**
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[54] **CARRIER ARM ASSEMBLY**
[54] **ENSEMBLE BRAS DE SUPPORT**
[72] NIELSEN, RASMUS ELMELUND, DK
[71] KVERNELAND GROUP KERTEMINDE AS, DK
[85] 2018-03-19
[86] 2016-09-26 (PCT/EP2016/072877)
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[54] **MEDICAMENT VIAL ASSEMBLY**
[54] **ENSEMBLE FLACON DE MEDICAMENT**
[72] GARFIELD, JARED, US
[72] SCHRAMM, DANA, US
[72] AHLBERG, ANDY, US
[71] J&J SOLUTIONS, INC. D/B/A CORVIDA MEDICAL, US
[71] J&J SOLUTIONS, INC. D/B/A CORVIDA MEDICAL, US
[85] 2018-03-16
[86] 2016-09-16 (PCT/US2016/052167)
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[54] **CARRIER ASSEMBLY**
[54] **ENSEMBLE SUPPORT**
[72] NIELSEN, RASMUS ELMELUND, DK
[71] KVERNELAND GROUP KERTEMINDE AS, DK
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[54] **VERIFICATION FOR PAYMENT TRANSACTIONS**
[54] **VERIFICATION DE TRANSACTIONS DE PAIEMENT**
[72] COLLINGE, MEHDI, BE
[72] SMETS, PATRIK, BE
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
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[86] 2016-09-15 (PCT/US2016/051880)
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[54] **AN ANTI-METASTATIC MARINE BACTERIAL EXOPOLYSACCHARIDE DERIVATIVE AND USES THEREOF**
[54] **DERIVE D'EXOPOLYSACCHARIDE BACTERIEN MARIN ANTI-METASTATIQUE ET SES UTILISATIONS**
[72] COLLIEC-JOUAULT, SYLVIA, FR
[72] SINQUIN, CORINNE, FR
[72] RATISKOL, JACQUELINE, FR
[72] HEYMANN, DOMINIQUE, FR
[72] RUIZ-VELASCO, CARMEN, US
[72] CHESNEAU, JULIE, FR
[71] INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER (IFREMER), FR
[85] 2018-03-19
[86] 2016-09-28 (PCT/EP2016/073035)
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[30] EP (15187107.6) 2015-09-28

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[54] **HOSE REEL SYSTEMS**
[54] **SYSTEMES DE DEVIDOIR A FLEXIBLE**
[72] ZOSKE, MICK, US
[71] ZOSKE, MICK, US
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[51] **Int.Cl. F17C 5/06 (2006.01)**
[25] EN
[54] **GAS SUPPLY DEVICE AND GAS SUPPLY METHOD**
[54] **DISPOSITIF D'ALIMENTATION EN GAZ ET PROCEDE D'ALIMENTATION EN GAZ**
[72] FUJISAWA, AKITOSHI, JP
[72] NAGURA, KENJI, JP
[71] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP
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[54] **WHEAT WITH ELEVATED FRUCTAN, ARABINOXYLAN**
[54] **BLE A TENEUR ELEVEE EN FRUCTANE/ARABINOXYLANE**
[72] JOBLING, STEPHEN ALAN, AU
[72] LI, XINGUO, AU
[72] VERBYLA, KLARA LOUISE, AU
[72] CAVANAUGH, COLIN ROBERT, AU
[71] DOW AGROSCIENCES LLC, US
[71] CSIRO, AU
[85] 2018-03-19
[86] 2016-09-20 (PCT/US2016/052566)
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[30] US (62/221,348) 2015-09-21
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[51] **Int.Cl. G06T 7/00 (2017.01)**
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[54] **CAMERA CALIBRATION USING SYNTHETIC IMAGES**
[54] **ETALONNAGE DE CAMERA A L'AIDE D'IMAGES SYNTHETIQUES**
[72] GOSSOW, DAVID, US
[71] GOOGLE LLC, US
[85] 2018-03-19
[86] 2016-09-21 (PCT/US2016/052862)
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[51] **Int.Cl. B60L 3/00 (2006.01) B60Q 1/00 (2006.01) B60Q 1/02 (2006.01) B60Q 11/00 (2006.01)**
[25] EN
[54] **LIGHT EMITTING DIODE FAILURE DETECTION SYSTEM FOR A VEHICLE**
[54] **SYSTEME DE DETECTION DE DEFAILLANCE DE DIODE ELECTROLUMINESCENTE POUR UN VEHICULE**
[72] TROUTMAN, SCOTT, US
[72] CORNELIUS, KEVIN, US
[71] TRUCK-LITE CO., LLC, US
[71] TROUTMAN, SCOTT, US
[71] CORNELIUS, KEVIN, US
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[54] **DEVICES AND METHODS FOR ANALYZING ANIMAL BEHAVIOR**
[54] **DISPOSITIFS ET PROCEDES D'ANALYSE DU COMPORTEMENT D'UN ANIMAL**
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[72] WOOLF, CLIFFORD J., US
[72] DO, MICHAEL T., US
[71] CHILDREN'S MEDICAL CENTER CORPORATION, US
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[86] 2016-09-16 (PCT/US2016/052351)
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[54] **ELECTROMYOGRAPHIC SENSING AND VISION MODIFICATION**
[54] **DETECTION ELECTROMYOGRAPHIQUE ET MODIFICATION DE LA VISION**
[72] ROHOLT, PHILIP C., US
[72] KOKONASKI, WILLIAM, US
[72] FEHR, JEAN-NOEL, US
[72] MCDONALD, RANDOLPH, US
[71] VISTA OCULAR, LLC, US
[71] ROHOLT, PHILIP C., US
[85] 2018-03-16
[86] 2016-09-18 (PCT/US2016/052400)
[87] (WO2017/049260)
[30] US (62/220,756) 2015-09-18
[30] US (62/245,661) 2015-10-23
[30] US (62/254,850) 2015-11-13
[30] US (62/264,151) 2015-12-07
[30] US (62/279,407) 2016-01-15
[30] US (62/359,277) 2016-07-07
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[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/30 (2006.01) C07K 16/40 (2006.01)**
[25] EN
[54] **CD3 BINDING POLYPEPTIDES**
[54] **POLYPEPTIDES DE LIAISON A CD3**
[72] TAN, PHILIP, US
[72] BLANKENSHIP, JOHN W., US
[71] APTEVO RESEARCH AND DEVELOPMENT LLC, US
[85] 2018-03-19
[86] 2016-09-21 (PCT/US2016/052942)
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[30] US (62/221,190) 2015-09-21

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[25] EN
[54] **METHODS FOR ENHANCING TOPICAL APPLICATION OF A BENEFIT AGENT**
[54] **PROCEDES POUR AMELIORER UNE APPLICATION TOPIQUE D'UN AGENT BENEFIQUE**
[72] PAUNESCU, ALEXANDRU, US
[72] SUN, YING, US
[72] PATURI, JYOTSNA, US
[72] WU, JEFFREY M., US
[71] JOHNSON & JOHNSON CONSUMER INC., US
[85] 2018-03-19
[86] 2016-09-21 (PCT/US2016/052923)
[87] (WO2017/053456)
[30] US (62/221,889) 2015-09-22
[30] US (15/271,299) 2016-09-21

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[51] **Int.Cl. C12N 5/0775 (2010.01)**
[25] EN
[54] **METHODS FOR PROPAGATING MESENCHYMAL STEM CELLS (MSC) FOR USE IN TRANSPLANTATION**
[54] **PROCEDES PERMETTANT DE PROPAGER DES CELLULES SOUCHES MESENCHYMATEUSES (MSC) A UTILISER POUR UNE TRANSPLANTATION**
[72] ALMOG, TAL, IL
[72] YARKONI, SHAI, IL
[71] CELLECT BIOTHERAPEUTICS LTD., IL
[85] 2018-03-19
[86] 2016-09-22 (PCT/IL2016/051053)
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[54] **PLUG LOAD RECEPTACLE**
[54] **PRISE POUR CHARGE A FICHE**
[72] ABUGHAZALEH, SHADI ALEX, US
[72] PECK, DAVID, US
[72] DUPUIS, JOE, US
[71] HUBBELL INCORPORATED, US
[85] 2018-03-19
[86] 2016-09-22 (PCT/US2016/053045)
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[30] US (62/222,148) 2015-09-22

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[51] **Int.Cl. E04B 1/08 (2006.01) E04B 1/98 (2006.01) E04H 9/14 (2006.01)**
[25] EN
[54] **SHEAR TRANSFER SYSTEM**
[54] **SYSTEME DE TRANSFERT A CISAILLEMENT**
[72] ROTTER, MARTIN J., US
[71] ROTTER, MARTIN J., US
[85] 2018-03-19
[86] 2015-09-17 (PCT/US2015/050733)
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[51] **Int.Cl. A41D 13/06 (2006.01) A44B 11/00 (2006.01)**
[25] EN
[54] **KNEE PAD DEVICE**
[54] **DISPOSITIF GENOUILLERE**
[72] RICHARDS, LEE E., US
[71] RICHARDS, LEE E., US
[85] 2018-03-19
[86] 2016-09-29 (PCT/US2016/054279)
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[30] US (62/235,598) 2015-10-01

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[51] **Int.Cl. C12N 15/82 (2006.01) C12N 15/113 (2010.01)**
[25] EN
[54] **SHIBIRE/DYNAMIN NUCLEIC ACID MOLECULES TO CONTROL COLEOPTERAN AND HEMIPTERAN PESTS**
[54] **MOLECULES D'ACIDES NUCLEIQUES DU GENE SHIBIRE/DE LA DYNAMINE VISANT A LUTTER CONTRE LES COLEOPTERES ET HEMIPTERES NUISIBLES**
[72] NARVA, KENNETH E., US
[72] WORDEN, SARAH E., US
[72] FREY, MEGHAN, US
[72] RANGASAMY, MURUGESAN, US
[72] ARORA, KANIKA, US
[72] VEERAMANI, BALAJI, US
[72] GANDRA, PREMCHAND, US
[72] FISHILEVICH, ELANE, US
[72] GENG, CHAOXIAN, US
[72] VILCINSKAS, ANDREAS, DE
[72] KNORR, EILEEN, DE
[71] DOW AGROSCIENCES LLC, US
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV, DE
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[86] 2016-09-23 (PCT/US2016/053250)
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[30] US (62/233,061) 2015-09-25

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[51] **Int.Cl. B64G 1/00 (2006.01) B64G 1/22 (2006.01) B64G 1/24 (2006.01) B64G 1/26 (2006.01)**
[25] EN
[54] **MANEUVERING SYSTEM FOR EARTH ORBITING SATELLITES WITH ELECTRIC THRUSTERS**
[54] **SYSTEME DE MAN□UVRE POUR SATELLITES EN ORBITE AUTOUR DE LA TERRE DOTES DE PROPULSEURS ELECTRIQUES**
[72] GLOGOWSKI, MICHAEL, US
[72] AUSTIN, PHILIP, US
[72] BRUNO, DOMINICK, US
[72] LENTATI, ANDRE, US
[71] ORBITAL SCIENCES CORPORATION, US
[85] 2018-03-16
[86] 2016-09-19 (PCT/US2016/052500)
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[30] US (14/858,240) 2015-09-18

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[51] **Int.Cl. G06F 21/12 (2013.01) G06F 19/20 (2011.01) G06Q 30/02 (2012.01) G06F 21/32 (2013.01) G06F 21/36 (2013.01) A61B 34/10 (2016.01) G06K 9/00 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **SYSTEM FOR VALIDATING A BIOMETRIC INPUT**
[54] **SYSTEME DE VALIDATION D'UNE ENTREE BIOMETRIQUE**
[72] ROYYURU, VIJAY KUMAR, US
[71] FIRST DATA CORPORATION, US
[85] 2018-03-16
[86] 2016-09-19 (PCT/US2016/052521)
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[30] US (62/220,757) 2015-09-18

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[25] EN
[54] **DEVICE FOR RECORDING VIDEO-ELECTROENCEPHALOGRAMS**
[54] **DISPOSITIF D'ENREGISTREMENT D'ELECTROENCEPHALOGRAMMES VIDEO**
[72] PUTTILLI, COSIMO DAMIANO, IT
[72] PICCIAFUOCO, MAURO, IT
[72] ROMANELLI, PANTALEO, IT
[71] AB MEDICA S.P.A., IT
[85] 2018-03-19
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[30] IT (102015000056995) 2015-09-30

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[51] **Int.Cl. F16H 57/02 (2012.01) F16H 57/029 (2012.01) F16H 57/032 (2012.01) H02K 11/21 (2016.01) H02K 5/16 (2006.01) H02K 5/173 (2006.01)**
[25] EN
[54] **SEALED ROTARY TABLE**
[54] **TABLE ROTATIVE ETANCHE**
[72] KLAEHN, ISAAC, US
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[71] NEXEN GROUP, INC., US
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[54] **OZONOLYSE POUR ACTIVATION DE COMPOSES ET DEGRADATION D'OZONE**
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[71] AIR CROSS, INC., US
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[54] **COURROIE DE CONVOYEUR A TOILE AYANT UNE DUREE DE VIE DE BORD AMELIOREE**
[72] ECHTENKAMP, ALAN, US
[71] CONTITECH TRANSPORBANDSYSTEME GMBH, DE
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[54] **PROCEDE DE DEVELOPPEMENT D'ANTICORPS MONOCLONAUX**
[72] KIVI, GAILY, EE
[72] TEESALU, KAUPO, EE
[72] PARIK, JURI, EE
[72] USTAV, MART, EE
[72] MANNIK, ANDRES, EE
[71] ICOSAGEN CELL FACTORY OU, EE
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[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DU CANCER**
[72] DUPONT, JAKOB, US
[72] PARMAR, HEMA, US
[72] STAGG, ROBERT JOSEPH, US
[71] ONCOMED PHARMACEUTICALS, INC., US
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[54] **SONDES □SOPHAGIENNES ET PROCEDES**
[72] RAZAVI, MEHDI, US
[72] PAISLEY, ROBERT, US
[71] BAYLOR COLLEGE OF MEDICINE, US
[71] TEXAS HEART INSTITUTE, US
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[54] **ENSEMBLE FILTRE ROTATIF DOTE DE PLUSIEURS ARBRES CREUX**
[72] MACKEL, WILFRIED, DE
[72] GROENE, VERENA, DE
[71] GEA MECHANICAL EQUIPMENT GMBH, DE
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[54] **HUMAN PLASMA KALLIKREIN INHIBITORS**
[54] **INHIBITEURS DE LA KALLICREINE PLASMATIQUE HUMAINE**
[72] KOTIAN, PRAVIN L., US
[72] BABU, YARLAGADDA S., US
[72] KUMAR, V. SATISH, US
[72] ZHANG, WEIHE, US
[72] VOGETI, LAKSHMINARAYANA, US
[71] BIOCRYST PHARMACEUTICALS, INC., US
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[54] **ENSEMBLE DE TAMPON DE POLISSAGE OU DE MEULAGE**
[72] TCHAKAROV, TCHAVDAR V., US
[71] DIAMOND TOOL SUPPLY, INC., US
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[54] **LEFT ATRIAL APPENDAGE OCCLUSION DEVICE DELIVERY SYSTEM**
[54] **SYSTEME DE PLACEMENT DE DISPOSITIF D'OCCLUSION D'APPENDICE AURICULAIRE GAUCHE**
[72] CHAKRABORTY, ARNAB RANJAN, US
[72] HANG, CHRISTINE TU-ANH, US
[71] FLOW MEDTECH, INC., US
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[54] **COATED PACKAGING PRODUCTS, SYSTEMS AND METHODS**
[54] **PRODUITS D'EMBALLAGE REVETU, SYSTEMES ET PROCEDES**
[72] ESKAMANI, A. GUS, US
[72] DORENKOTT, MELANIE, US
[72] SUTTON-GILBERT, TIFFANI A., US
[72] KAMINSKI, MICHAEL, US
[72] PINTZ, MICHAEL A., US
[72] NOLAN, ED, US
[71] FLAVORSEAL LLC, US
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[54] **SYSTEMES DE LANCEMENT D'AERONEF DE LIVRAISON SANS PILOTE PORTABLES, ET PROCEDES DE LIVRAISON DE PRODUITS UTILISANT DES SYSTEMES DE LANCEMENT D'AERONEF**
[72] JONES, NATHAN G., US
[72] HICKS, GREGORY A., US
[72] HIGH, DONALD R., US
[71] WALMART APOLLO, LLC, US
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[54] **CAPTEURS OPTIQUES, SYSTEMES ET PROCEDES FAISANT APPEL A CEUX-CI**
[72] GAVARIS, PAUL T., US
[72] GEDDES, CHRIS D., US
[72] GHOVANLOU, ALI H., US
[72] EASTMAN, JAY M., US
[72] EASTMAN, ZACHARY M., US
[71] LACRISCIENCE, LLC, US
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[54] **PROCEDES D'AMELIORATION DE L'APPLICATION TOPIQUE D'UN AGENT BENEFIQUE**
[72] PATURI, JYOTSNA, US
[72] PAUNESCU, ALEXANDRU, US
[72] SUN, YING, US
[71] JOHNSON & JOHNSON CONSUMER INC., US
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[54] **METHODS FOR TREATING DIFFUSE LARGE B-CELL LYMPHOMA AND THE USE OF BIOMARKERS AS A PREDICTOR OF RESPONSIVENESS TO DRUGS**
[54] **METHODES DE TRAITEMENT DU LYMPHOME DIFFUS A GRANDES CELLULES B ET UTILISATION DE BIOMARQUEURS COMME PREDICTEURS DE SENSIBILITE A DES MEDICAMENTS**
[72] TROTTER, MATTHEW WILLIAM BURNELL, ES
[72] RISUENO-PEREZ, ALBERTO, ES
[72] POURDEHNAD, MICHAEL, US
[72] GANDHI, ANITA, US
[72] HAGNER, PATRICK, US
[71] CELGENE CORPORATION, US
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[54] **STABILISATION D'AFFICHEUR ELECTRONIQUE A L'AIDE DE VITESSES DE PIXEL**
[72] DONNER, CRAIG, US
[72] LALONDE, PAUL ALBERT, US
[72] PARKER, EVAN HARDESTY, US
[71] GOOGLE LLC, US
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[54] **COMPOSITION ET METHODES CORRESPONDANTES**
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[72] VISHWARAMAN, MOHAN, IN
[71] INDUS BIOTECH PRIVATE LIMITED, IN
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[54] **PROCEDE ET APPAREIL POUR RESERVER DES INTERACTIONS D'AGENT A TEMPS D'ATTENTE NUL**
[72] BODELL, MICHAEL, US
[72] JANDHYALA, VIJAY, KUMAR, IN
[72] REDDY, YELLU, MADHUSUDHAN, IN
[71] 24/7 CUSTOMER, INC., US
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[54] **ECHANGEUR DE CHALEUR COMPORTANT UN DOUBLE ANNEAU DE TUBES CONCENTRIQUE**
[72] RUSSELL, JENNIFER MARIE, US
[72] ADAMS, JAMES TRAVIS, US
[72] BAESE, DAVID CLARK, US
[72] COLLINS, BARRY ANTHONY, US
[71] LOCHINVAR, LLC, US
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[54] **INSTRUMENT POUR SOIN BUCCAL AVEC CANAL AUDIO**
[72] BLOCH, BRIAN, US
[72] LIEBERWIRTH, LARS RALF RAINER, DE
[71] COLGATE-PALMOLIVE COMPANY, US
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[54] **POMPE DE DISTRIBUTION DE FLUIDES**
[72] NILSSON, HUGO, SE
[72] BERGMAN, PETER, SE
[72] LINDSTROM, HAKAN, SE
[71] SCA HYGIENE PRODUCTS AB, SE
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[54] **POMPE A RESSORT POLYMERE**
[72] NILSSON, HUGO, SE
[72] BERGMAN, PETER, SE
[72] LINDSTROM, HAKAN, SE
[71] SCA HYGIENE PRODUCTS AB, SE
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[54] **ENSEMBLE RESPIRATOIRE**
[72] HEATHERINGTON, STUART, US
[72] PETRUSCHKE, HAANS, US
[72] STURDEVANT, MICHAEL, US
[71] SNAP CPAP, LLC, US
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[54] **TREUIL DE PUITS MOBILE**
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[72] WEST, MARKUS, DE
[71] OLKO-MASCHINENTECHNIK GMBH, DE
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[54] **OLIGONUCLEOTIDES ANTISENS ET LEURS UTILISATIONS**
[72] DUMONCEAUX, JULIE, GB
[72] VOIT, THOMAS, GB
[72] DICKSON, JOHN GEORGE, GB
[72] POPPLEWELL, LINDA JANE, GB
[71] ASSOCIATION INSTITUT DE MYOLOGIE, FR
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[54] **PRODUCTION DE MAILLAGE TRIANGULAIRE POUR UNE IMAGE TRIDIMENSIONNELLE**
[72] VAREKAMP, CHRISTIAAN, NL
[72] VANDEWALLE, PATRICK LUC ELS, NL
[72] KROON, BART, NL
[71] KONINKLIJKE PHILIPS N.V., NL
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[54] **METHOD AND APPARATUS FOR EMERGENCY BRAKING PERFORMANCE TESTING, EVALUATION AND/OR DRIVER TRAINING**
[54] **PROCEDE ET APPAREIL D'ESSAI DE PERFORMANCE DE FREINAGE D'URGENCE, D'EVALUATION ET/OU D'APPRENTISSAGE DE CONDUCTEUR**
[72] HARDY, CHRISTOPHER WAYNE, AU
[72] HARDY, SUSAN ROBIN, AU
[72] TODD, ALLAN REX, AU
[72] MOHAY, TRENT MARTIN, AU
[72] DIETCH, WARREN RALPH, AU
[71] CW & SR INVESTMENTS PTY LTD, AU
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[54] **FERRITES D'OUTIL DE DIAGRAPHIE ET PROCEDES DE FABRICATION**
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[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **PRODUCTION DE FORMULATIONS CHIMIQUES AVEC CALCUL COGNITIF**
[72] JAMISON, DALE E., US
[72] MORAN, PAUL H., US
[72] WILLIAMS, ROBERT LYNN, US
[72] BAR, AMIR, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[72] MODELAND, NEIL JOSEPH, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **PARTICULES TRAITEES POUR L'HYDROPHOBIE DESTINEES A LA RHEOLOGIE AMELIOREE D'UN FLUIDE**
[72] SHUMWAY, WILLIAM WALTER, US
[72] RAMIREZ ANGULO, JESSICA PAOLA, US
[72] GALINDO, KAY ANN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **CROSSLINKED NUCLEIC ACID GUNA, METHOD FOR PRODUCING SAME, AND INTERMEDIATE COMPOUND**
[54] **ACIDE NUCLEIQUE RETICULE GUNA, PROCEDE DE PRODUCTION DE CE DERNIER, ET COMPOSE INTERMEDIAIRE**
[72] OBIKA, SATOSHI, JP
[72] KAWANISHI, EIJI, JP
[72] SAWAMOTO, HIROAKI, JP
[72] YAMAKOSHI, SHUHEI, JP
[72] ARAI, YUUKI, JP
[72] KUMAGAI, SHINJI, JP
[71] MITSUBISHI TANABE PHARMA CORPORATION, JP
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[72] WEI, YUQUAN, CN
[71] GUIZHOU BAILING GROUP PHARMACEUTICAL CO., LTD., CN
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[54] **COMPOSITIONS ORALES DE TAXANE ET PROCEDES ASSOCIES**
[72] CHAN, DENISE S.B., CN
[72] LEE, MING TSUNG, CN
[72] YOON, WENG LI, MY
[72] LAU, JOHNSON YIU-NAM, US
[71] ATHENEX HK INNOVATIVE LIMITED, CN
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[54] **A CABLE FITTING FOR CONNECTING A HIGH-VOLTAGE CABLE TO A HIGH-VOLTAGE COMPONENT**
[54] **RACCORD DE CABLE PERMETTANT LA CONNEXION D'UN CABLE HAUTE TENSION A UN COMPOSANT A HAUTE TENSION**
[72] CZYZEWSKI, JAN, PL
[72] MAURER, VICTORIA, CH
[72] LICHY, RADIM, SE
[72] SORQVIST, TORBJORN, SE
[71] ABB SCHWEIZ AG, CH
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[54] **METHOD FOR RAPID ANNEALING OF A STACK OF THIN LAYERS CONTAINING AN INDIUM OVERLAY**
[54] **PROCEDE DE RECUIT RAPIDE D'UN EMPILEMENT DE COUCHES MINCES CONTENANT UNE SURCOUCHE A BASE D'INDIUM**
[72] DIGUET, ANTOINE, FR
[72] MERCADIER, NICOLAS, FR
[72] SKOLSKI, JOHANN, FR
[72] ORVEN, MATTHIEU, FR
[72] JOSEPH, CAMILLE, FR
[72] BON SAINT COME, YEMIMA, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
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[54] **SYSTEME DE PROTECTION ANTI-CORROSIONS MULTIPLES POUR ELEMENTS DECORATIFS PRESENTANT UN FINI AU CHROME**
[72] KONIGSHOFEN, ANDREAS, DE
[72] KIEFER, RONNY, DE
[71] ENTHONE GMBH, DE
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[54] **AEROSOL-GENERATING DEVICE WITH ELECTRODES FOR MEASURING AN ELECTRICAL LOAD**
[54] **DISPOSITIF DE GENERATION D'AEROSOL A ELECTRODES POUR MESURER UNE CHARGE ELECTRIQUE**
[72] REEVELL, TONY, GB
[71] PHILIP MORRIS PRODUCTS S.A., CH
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[54] **RAPID CHARGING SYSTEM AND METHOD FOR ELECTRICALLY CONNECTING A VEHICLE TO A CHARGING STATION**
[54] **SYSTEME DE CHARGE RAPIDE ET PROCEDE POUR LA LIAISON ELECTRIQUE D'UN VEHICULE A UN POSTE DE CHARGE**
[72] WEIGEL, WILFRIED, DE
[72] DOMES, MATTHIAS, DE
[72] GAMSJAGER, TOBIAS, AT
[72] STAUBACH, TIMO, DE
[71] SCHUNK BAHN- UND INDUSTRIETECHNIK GMBH, DE
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[54] **TRAITEMENT DE MALADIES OU DE TROUBLES ASSOCIES A L'AGE ET ENDOMMAGEANT L'ADN**
[72] PROCHIANTZ, ALAIN, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
[71] COLLEGE DE FRANCE, FR
[71] SORBONNE UNIVERSITE, FR
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[54] **AEROSOL-GENERATING SYSTEM WITH CAPACITOR**
[54] **SYSTEME DE GENERATION D'AEROSOL AVEC CONDENSATEUR**
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[71] PHILIP MORRIS PRODUCTS S.A., CH
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[54] **SYSTEME FLUIDIQUE**
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[72] TAYLOR, OLIVER PAUL, GB
[72] BRETT, PETER STUART, GB
[72] FAIRS, MIKE, GB
[72] HARDING, PIERS SEBASTIAN, GB
[72] DAWSON, CHRISTOPHER, GB
[71] CASTROL LIMITED, GB
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[54] **SYSTEME ET PROCEDE DESTINES A AMORCER UNE COMMUNICATION AVEC UN EMETTEUR-RECEPTEUR A COURTE PORTEE**
[72] SCHWARZER, JENS JOHAN, DK
[72] NIELSEN, JEPPE LETH, DK
[72] SVENDSEN, ANDERS CHRISTIAN, DK
[71] UNWIRE PAYMENTS & MOBILITY APS, DK
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[72] LANDMESSER, JENS, DE
[71] ENRICHMENT TECHNOLOGY COMPANY LTD. ZWEIGNIEDERLASSUNG DEUTSCHLAND, DE
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[54] **ARTICLE DE GENERATION D'AEROSOL POURVU D'UN CONDENSATEUR**
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[71] PHILIP MORRIS PRODUCTS S.A., CH
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[54] **COMPOSITION PHARMACEUTIQUE SOLIDE COMPRENANT DU SOFOSBUVIR AMORPHE**
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[72] MARTIN, NOLWENN, AT
[71] SANDOZ AG, CH
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[54] **PHENYL DERIVATIVES AS CANNABINOID RECEPTOR 2 AGONISTS**
[54] **DERIVES DE PHENYLE EN TANT QU'AGONISTES DU RECEPTEUR CANNABINOIDE 2**
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[72] GRETHER, UWE, CH
[72] NETTEKOVEN, MATTHIAS, CH
[72] ROEVER, STEPHAN, CH
[72] ROGERS-EVANS, MARK, CH
[72] ROMBACH, DIDIER, CH
[71] F.HOFFMANN-LA ROCHE AG, CH
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[54] **FORMULATION DE PRE-VAPORISATION POUR REGULER L'ACIDITE DANS UN DISPOSITIF DE VAPOTAGE ELECTRONIQUE**
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[72] KARLES, GEORGIOS D., US
[72] KOBAL, GERD, US
[72] LI, WEILING, US
[72] SECRIST, REBECCA, US
[72] DEL CARMEN JARQUIN, MARIA, US
[72] DI NOVI, CHRISTOPHER (DECEASED), US
[71] PHILIP MORRIS PRODUCTS S.A., CH
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[72] SCHNEIDER, UWE, DE
[72] RUGGABER, STEFAN, DE
[72] ESSIG, WOLFGANG, DE
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[54] **APPAREIL DE SEPARATION DE DECHETS**
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[71] LANGE CHRISTIAN SA, BE
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[54] **PROCEDE POUR FOURNIR UN MODELE NUMERIQUE D'UN ECHANTILLON DE ROCHE**
[72] LEON CARRERA, MARIA FERNANDA, ES
[72] DIAZ AGUADO, ALMUDENA, ES
[72] RODRIGUEZ MORILLAS, NOELIA, ES
[72] FONTANELLI, LAURENT, ES
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[54] **PAIN DE SAVON PRESENTANT DES REGIONS CONCENTREES SEPAREES A CONSTITUANTS CHOISIS SPECIFIQUEMENT**
[72] ASTOLFI, RAFAEL, BR
[72] BASSO, JORGE LUIZ, BR
[72] LEOPOLDINO, SERGIO ROBERTO, BR
[72] VIDIGAL, LUIZ FELIPE COSTA, ZA
[72] VIJAYAKRISHNAN, VENUGOPAL, IN
[72] YAROVOY, YURIY KONSTANTINOVICH, US
[71] UNILEVER PLC, GB
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[54] **SYSTEME ET PROCEDE DE RECOMPENSES**
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[72] POLLARD, ALAN, US
[72] MITCHLEY, STEPHEN RONALD, US
[72] GILBERT, TAL, US
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[71] M & L PATENT OY AB, FI
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[72] LACASSE, SYLVAIN, CA
[72] RENAUD, FREDERIC, CA
[72] BEAUDET, JEAN-PHILIPPE, CA
[72] LAFLAMME, JIMMY, CA
[72] MARCOTTE, JEROME, CA
[72] BOLDUC, STEVE, CA
[72] MORIN, MARCO, CA
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[54] **LIGNINE OXYDEE EN MILIEU ALCALIN PAR L'O2 UTILISEE COMME DISPERSANT**
[72] KALLIOLA, ANNA, FI
[72] LIITIA, TIINA, FI
[72] TAMMINEN, TARJA, FI
[72] VEHMAS, TAPIO, FI
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[72] VAN DE STEENE, OTTO, BE
[72] WEYN, THOMAS, BE
[72] GALLE, TIMOTHY, BE
[71] ONAK BVBA, BE
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[54] **APPARATUS AND METHOD FOR GASEOUS FLUID SAMPLING**
[54] **APPAREIL ET PROCEDE POUR ECHANTILLONNAGE DE FLUIDE GAZEUX**
[72] KIRKBY, OLIVER, GB
[72] CLARK, ALASTAIR, GB
[72] GRANT, BRUCE ALEC COLIN, GB
[71] SMITHS DETECTION-WATFORD LIMITED, GB
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[54] **CONTROL SYSTEM FOR WORK MACHINE, WORK MACHINE, MANAGEMENT SYSTEM FOR WORK MACHINE, AND MANAGEMENT METHOD FOR WORK MACHINE**
[54] **SYSTEME DE COMMANDE D'ENGIN DE CHANTIER, ENGIN DE CHANTIER, SYSTEME DE GESTION D'ENGIN DE CHANTIER, ET PROCEDE DE GESTION D'ENGIN DE CHANTIER**
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[71] KOMATSU LTD., JP
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[54] **INTERFACE UTILISATEUR INTERACTIVE BASEE SUR L'ANALYSE DU CONTENU DE MESSAGES DE CLAVARDAGE**
[72] MELZER, ROY S., IL
[72] EFRATI, YUVAL, IL
[72] BEJARANO, NIR, IL
[71] MELZER, ROY S., IL
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[54] **APPARATUS AND METHOD FOR SAMPLING**
[54] **APPAREIL ET PROCEDE D'ECHANTILLONNAGE**
[72] KIRKBY, OLIVER, GB
[72] CLARK, ALASTAIR, GB
[72] GRANT, BRUCE ALEC COLIN, GB
[71] SMITHS DETECTION-WATFORD LIMITED, GB
[85] 2018-03-20
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[54] **BOILER TUBE REINFORCEMENT DEVICE AND BOILER TUBE REINFORCEMENT METHOD**
[54] **DISPOSITIF ET PROCEDE DE RENFORCEMENT DE TUYAU DE CHAUDIERE**
[72] MATSUMURA, HIDEO, JP
[72] NISHIDA, HIDETAKA, JP
[71] THE CHUGOKU ELECTRIC POWER CO., INC., JP
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[72] SCOTT, KENNY, GB
[72] PICKUP, MIKE, GB
[71] HESCO BASTION LIMITED, GB
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[86] 2016-11-03 (PCT/GB2016/053424)
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[30] GB (1519427.7) 2015-11-03

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[25] EN
[54] **AZO COMPOUND, INK COMPOSITION, INK JET RECORDING METHOD, AND COLORED ARTICLE**
[54] **COMPOSE AZOIQUE, COMPOSITION D'ENCRE, PROCEDE D'IMPRESSION PAR JET D'ENCRE ET ARTICLE COLORE**
[72] YONEDA, TAKASHI, JP
[72] MASEGI, JUNYA, JP
[72] OOSHIMA, KENJI, JP
[72] IINO, TAKU, JP
[71] NIPPON KAYAKU KABUSHIKI KAISHA, JP
[85] 2018-03-20
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[30] JP (2015-188439) 2015-09-25
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[51] **Int.Cl. B01F 17/42 (2006.01) B01F 17/52 (2006.01) C08L 71/02 (2006.01) C08L 75/08 (2006.01) D21H 13/50 (2006.01)**
[25] EN
[54] **DISPERSANT FOR CARBON FIBERS, CARBON FIBER DISPERSION COMPOSITION, AND METHOD FOR MANUFACTURING CARBON FIBER SHEET**
[54] **DISPERSANT POUR FIBRES DE CARBONE, COMPOSITION DE DISPERSION DE FIBRES DE CARBONE, ET PROCEDE DE FABRICATION DE FEUILLE DE FIBRES DE CARBONE**
[72] HAYAKAWA, TOMOHIRO, JP
[72] KUSUNOKI, TOSHIMICHI, JP
[72] KAWAI, HIROYUKI, JP
[72] KIYOYAMA, HIDEO, JP
[71] KURARAY CO., LTD., JP
[85] 2018-03-20
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[30] JP (2015-192108) 2015-09-29

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[51] **Int.Cl. C07K 16/30 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **NOVEL ANTI-MESOTHELIN ANTIBODY AND COMPOSITION COMPRISING THE SAME**
[54] **NOUVEL ANTICORPS ANTI-MESOTHELINE ET COMPOSITION LE COMPRENANT**
[72] KIM, DONG-SIK, KR
[72] SONG, EUN JUNG, KR
[72] LEE, MIJUNG, KR
[72] LEE, EUN-HEE, KR
[72] OH, MIYOUNG, KR
[72] PARK, JAE CHAN, KR
[72] KIM, KISU, KR
[72] KIM, SUJEONG, KR
[72] LIM, HYUNG-KWON, KR
[72] LEE, KYUHYUN, KR
[72] WON, JONGWHA, KR
[72] CHOI, SOONGYU, KR
[72] PARK, YOUNG SEOUB, KR
[71] MOGAM INSTITUTE FOR BIOMEDICAL RESEARCH, KR
[71] GREEN CROSS CORPORATION, KR
[85] 2018-03-20
[86] 2016-09-23 (PCT/KR2016/010604)
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[30] KR (10-2015-0135755) 2015-09-24

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[25] EN
[54] **BIOCHAR PRODUCTS AND METHOD OF MANUFACTURE THEREOF**
[54] **PRODUITS DE BIOCHARBON ET LEUR PROCEDE DE FABRICATION**
[72] TIEGE, PAUL BYRON, CA
[72] REKKEN, GREG, CA
[72] BEUCK, HILKE, CA
[72] EDDY, LEONARD BRUCE, CA
[71] THE CARBON BASIS COMPANY LTD., CA
[85] 2018-03-20
[86] 2016-10-06 (PCT/CA2016/051164)
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[30] US (14/878,293) 2015-10-08

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[51] **Int.Cl. F03D 1/04 (2006.01)**
[25] EN
[54] **DEVICE FOR CONVERTING WIND ENERGY TO AT LEAST MECHANICAL ENERGY**
[54] **DISPOSITIF DE CONVERSION D'ENERGIE EOLIENNE AU MOINS EN ENERGIE MECANIQUE**
[72] VAN DER SCHEE, WILLIAM ERIK, NL
[71] HOME TURBINE B.V., NL
[85] 2018-03-20
[86] 2016-09-21 (PCT/NL2016/050648)
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[30] NL (1041476) 2015-09-21

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[25] EN
[54] **METHOD FOR SUPPORTING HEALTHY LONG NAIL GROWTH AND MECHANISM OF NAIL REINFORCEMENT**
[54] **PROCEDE POUR FAVORISER LA CROISSANCE D'ONGLES LONGS ET SAINS ET MECANISME DE RENFORCEMENT DE L'ONGLE**
[72] BARNES, DONNA GERACI, US
[71] BARNES, DONNA GERACI, US
[85] 2018-03-20
[86] 2016-09-17 (PCT/IB2016/055567)
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[30] US (14/884,969) 2015-10-16

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[51] **Int.Cl. B22F 9/08 (2006.01)**
[25] EN
[54] **LOW MELTING POINT METAL OR ALLOY POWDERS ATOMIZATION MANUFACTURING PROCESSES**
[54] **PROCEDES DE FABRICATION PAR ATOMISATION DE POUDRES DE METAL OU D'ALLIAGE A BAS POINT DE FUSION**
[72] ST-LAURENT, SYLVAIN, CA
[72] CHEN, SHIZHU, CA
[72] LI, HUI, CA
[71] 5N PLUS INC., CA
[85] 2018-03-20
[86] 2017-05-05 (PCT/CA2017/050553)
[87] (WO2018/035599)
[30] US (62/378,734) 2016-08-24

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[51] **Int.Cl. F03D 1/04 (2006.01)**
[25] EN
[54] **DEVICE FOR CONVERTING WIND ENERGY TO AT LEAST MECHANICAL ENERGY**
[54] **DISPOSITIF POUR CONVERTIR DE L'ENERGIE EOLIENNE AU MOINS EN ENERGIE MECANIQUE**
[72] VAN DER SCHEE, WILLIAM ERIK, NL
[71] HOME TURBINE B.V., NL
[85] 2018-03-20
[86] 2016-09-21 (PCT/NL2016/050649)
[87] (WO2017/052367)
[30] NL (1041477) 2015-09-21

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[25] EN
[54] **UNIVERSAL TRANSLATION**
[54] **TRADUCTION UNIVERSELLE**
[72] HUANG, FEI, US
[71] FACEBOOK, INC., US
[85] 2018-03-20
[86] 2015-09-23 (PCT/US2015/051737)
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[30] US (14/861,747) 2015-09-22

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[51] **Int.Cl. A61G 7/10 (2006.01) A61G 7/12 (2006.01)**
[25] EN
[54] **PATIENT LIFTING APPARATUS**
[54] **APPAREIL DE LEVAGE DE PATIENT**
[72] SIMSON, ANTON K., US
[71] SIMSON, ANTON K., US
[85] 2018-03-20
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[30] US (62/055,132) 2014-09-25
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[51] **Int.Cl. E21B 47/12 (2012.01) E21B 47/13 (2012.01)**
[25] EN
[54] **TRANSCEIVER WITH ANNULAR RING OF HIGH MAGNETIC PERMEABILITY MATERIAL FOR ENHANCED SHORT HOP COMMUNICATIONS**
[54] **EMETTEUR-RECEPTEUR AVEC BAGUE ANNULAIRE DE MATERIAU A HAUTE PERMEABILITE MAGNETIQUE POUR COMMUNICATIONS PAR BOND COURT AMELIOREES**
[72] MA, JIN, US
[72] WILSON, GLENN ANDREW, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-03-20
[86] 2015-10-28 (PCT/US2015/057818)
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[51] **Int.Cl. E21B 43/17 (2006.01) E21B 41/00 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **REAL-TIME BOTTOM-HOLE FLOW MEASUREMENTS FOR HYDRAULIC FRACTURING WITH A DOPPLER SENSOR IN BRIDGE PLUG USING DAS COMMUNICATION**
[54] **MESURES D'ECOULEMENT DE FOND DE TROU EN TEMPS REEL POUR FRACTURATION HYDRAULIQUE AVEC UN CAPTEUR DOPPLER DANS UN BOUCHON DE SUPPORT A L'AIDE D'UNE COMMUNICATION DAS**
[72] WARPINSKI, NORMAN, US
[72] JAASKELAINEN, MIKKO, US
[72] SMITH, KEN JAMES, US
[72] PARK, BRIAN V., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[86] 2015-12-16 (PCT/US2015/065970)
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[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **PRINTED TAGS FOR HEATED FOOD ITEMS**
[54] **ETIQUETTES IMPRIMEES POUR DES ARTICLES ALIMENTAIRES CHAUFFES**
[72] DUCKETT, JEANNE F., US
[72] WALKER, STEPHEN JOHN, AU
[72] EUSE, KAREN L., US
[72] BLAIR, JAYNE, US
[71] AVERY DENNISON RETAIL INFORMATION SERVICES, LLC, US
[85] 2018-03-20
[86] 2015-10-06 (PCT/US2015/054178)
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[51] **Int.Cl. A42B 3/28 (2006.01) A41D 13/005 (2006.01)**
[25] EN
[54] **PERSONAL PROTECTION SYSTEM WITH A COOLING STRIP**
[54] **SYSTEME DE PROTECTION INDIVIDUELLE COMPRENANT UNE BANDE DE REFROIDISSEMENT**
[72] ULMER, BRYAN MATTHEW, US
[72] VANDERWOUDE, BRIAN, US
[71] STRYKER CORPORATION, US
[85] 2018-03-20
[86] 2016-09-19 (PCT/US2016/052491)
[87] (WO2017/053232)
[30] US (62/221,266) 2015-09-21

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[51] **Int.Cl. G01N 27/12 (2006.01) B60K 28/06 (2006.01) G01N 33/497 (2006.01)**
[25] EN
[54] **REPLACEABLE ALCOHOL SENSOR MODULE**
[54] **MODULE DE DETECTEUR D'ALCOOL REMPLACABLE**
[72] SON, MATTHEW, US
[71] AK GLOBALTECH CORP., US
[85] 2018-03-20
[86] 2015-10-08 (PCT/US2015/054769)
[87] (WO2017/062017)

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[51] **Int.Cl. H01R 9/05 (2006.01) H01R 13/40 (2006.01) H01R 13/52 (2006.01) H01R 43/04 (2006.01) H01R 43/16 (2006.01) H01R 43/26 (2006.01)**
[25] EN
[54] **COAXIAL CONNECTOR HAVING AN OUTER CONDUCTOR ENGAGER**
[54] **CONNECTEUR COAXIAL COMPORTANT UN SYSTEME D'ENTREE EN CONTACT DE CONDUCTEUR EXTERNE**
[72] WATKINS, HAROLD JOHN, US
[71] PPC BROADBAND, INC., US
[85] 2018-03-20
[86] 2016-06-10 (PCT/US2016/036790)
[87] (WO2016/201165)
[30] US (62/173,906) 2015-06-10
[30] US (62/254,171) 2015-11-11

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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/444 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUNDS AND USES THEREOF**
[54] **COMPOSES HETEROCYCLIQUES ET LEURS UTILISATIONS**
[72] IBRAHIM, PRABHA N., US
[72] SPEVAK, WAYNE, US
[72] ZHANG, JIAZHONG, US
[72] SHI, SONGYUAN, US
[72] POWELL, BEN, US
[72] MA, YAN, US
[71] PLEXXIKON INC., US
[85] 2018-03-20
[86] 2016-09-19 (PCT/US2016/052538)
[87] (WO2017/053243)
[30] US (62/221,508) 2015-09-21

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[51] **Int.Cl. B01J 6/00 (2006.01) B01J 20/14 (2006.01) C04B 14/08 (2006.01) G01N 23/20 (2018.01)**
[25] EN
[54] **DIATOMITE PRODUCTS**
[54] **PRODUITS DE DIATOMITE**
[72] LENZ, PETER E., US
[72] PALM, SCOTT K., US
[72] NYAMEKYE, GEORGE A., US
[72] HUMPHREYS, BRADLEY S., US
[72] WANG, QUN, US
[71] EP MINERALS, LLC, US
[85] 2018-03-20
[86] 2016-06-16 (PCT/US2016/037826)
[87] (WO2017/069809)
[30] US (62/245,716) 2015-10-23
[30] US (62/314,005) 2016-03-28

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[51] **Int.Cl. E21B 43/26 (2006.01) C09K 8/62 (2006.01) C09K 8/80 (2006.01) E21B 43/17 (2006.01)**
[25] EN
[54] **USE OF FOOD GRADE PARTICULATES TO FORM FRACTURES HAVING INCREASED POROSITY AND CONDUCTIVITY**
[54] **UTILISATION DE PARTICULES DE QUALITE ALIMENTAIRE POUR FORMER DES FRACTURES AYANT UNE CONDUCTIVITE ET UNE POROSITE ACCRUES**
[72] NGUYEN, PHILIP D., US
[72] CHITTATTUKARA, SHOY GEORGE, IN
[72] POYYARA, RAGI LOHIDAKSHAN, IN
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-03-20
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[87] (WO2017/069782)

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[51] **Int.Cl. B61L 23/00 (2006.01) B61L 23/06 (2006.01) B61L 29/00 (2006.01) B61L 29/24 (2006.01) B61L 29/28 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FAULT TOLERANT ROADWAY WORKER SAFETY SYSTEM**
[54] **SYSTEME ET PROCEDE POUR SYSTEME DE SECURITE TOLERANT AUX PANNES POUR TRAVAILLEUR SUR VOIE**
[72] DENNY, JOSEPH M., US
[72] NASEER, MUHAMMAD MOHSIN, US
[71] MILLER FELPAX CORPORATION, US
[85] 2018-03-20
[86] 2016-08-22 (PCT/US2016/048062)
[87] (WO2017/052885)
[30] US (14/864,185) 2015-09-24

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[51] **Int.Cl. H04B 7/185 (2006.01) H04B 7/204 (2006.01)**
[25] EN
[54] **MODULATION AND CODING FOR A HIGH ALTITUDE PLATFORM**
[54] **MODULATION ET CODAGE POUR UNE PLATEFORME A HAUTE ALTITUDE**
[72] NOERPEL, ANTHONY ROBERT, US
[72] KAY, STANLEY EDWARD, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2018-03-20
[86] 2016-09-20 (PCT/US2016/052624)
[87] (WO2017/053274)
[30] US (14/862,666) 2015-09-23

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[51] **Int.Cl. B61L 29/04 (2006.01) E05F 15/643 (2015.01) E05F 15/646 (2015.01)**
[25] EN
[54] **MECHANICALLY EXTENDABLE RAILROAD CROSSING GATE**
[54] **PASSAGE A NIVEAU FERROVIAIRE MECANIQUEMENT EXTENSIBLE**
[72] DEJARNATT, BARTON, US
[72] PLESS, TRAVIS, US
[71] SIEMENS INDUSTRY, INC., US
[85] 2018-03-20
[86] 2016-09-07 (PCT/US2016/050465)
[87] (WO2017/053060)
[30] US (14/860,764) 2015-09-22

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[13] A1
[51] **Int.Cl. B31B 50/06 (2017.01) B31B 50/62 (2017.01) B65G 47/91 (2006.01) B65D 5/08 (2006.01) B65D 5/60 (2006.01)**
[25] EN
[54] **METHODS AND MACHINE FOR FORMING A SHIPPING CONTAINER WITH AN ARTICLE RETAINING WEB**
[54] **PROCEDES ET MACHINE DE FORMATION D'UN CONTENEUR D'EXPEDITION AVEC BANDE DE RETENUE D'ARTICLE**
[72] GRAHAM, THOMAS DEAN, US
[72] AGANOVIC, AMER, US
[72] D'ALESIO, CLAUDIO, US
[71] WESTROCK SHARED SERVICES, LLC, US
[85] 2018-03-20
[86] 2016-09-13 (PCT/US2016/051502)
[87] (WO2017/053129)
[30] US (14/860,457) 2015-09-21

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[51] **Int.Cl. A42B 3/06 (2006.01)**
[25] EN
[54] **IMPACT PROTECTION AND SHOCK ABSORBING DEVICE**
[54] **DISPOSITIF DE PROTECTION CONTRE LES CHOCS ET DISPOSITIF D'AMORTISSEMENT**
[72] KENNEDY, EMILY B., US
[72] HSIUNG, BOR-KAI, US
[72] PAIGE, DOUGLAS J., US
[72] SWIFT, NATHAN B., US
[72] FECHEYR-LIPPENS, DAPHNE C., US
[71] THE UNIVERSITY OF AKRON, US
[85] 2018-03-20
[86] 2016-09-21 (PCT/US2016/052760)
[87] (WO2017/053348)
[30] US (62/221,783) 2015-09-22
[30] US (62/356,243) 2016-06-29

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[13] A1
[51] **Int.Cl. G02B 27/01 (2006.01) A61B 3/00 (2006.01) A61B 3/028 (2006.01) G02B 13/16 (2006.01) G02B 25/02 (2006.01) G02B 27/00 (2006.01)**
[25] EN
[54] **EYE IMAGING WITH AN OFF-AXIS IMAGER**
[54] **IMAGERIE DE L'□IL A L'AIDE D'UN IMAGEUR HORS-AXE**
[72] KLUG, MICHAEL ANTHONY, US
[72] KAEHLER, ADRIAN, US
[71] MAGIC LEAP, INC., US
[85] 2018-03-20
[86] 2016-09-21 (PCT/US2016/052814)
[87] (WO2017/053382)
[30] US (62/222,671) 2015-09-23

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[51] **Int.Cl. B31B 50/06 (2017.01) B31B 50/62 (2017.01) B65D 5/06 (2006.01) B65D 5/32 (2006.01)**
[25] EN
[54] **METHOD AND MACHINE FOR FORMING A TWO-PIECE BLANK ASSEMBLY**
[54] **PROCEDES ET MACHINE DE FORMATION D'UN ENSEMBLE EBAUCHE EN DEUX PARTIES**
[72] GRAHAM, THOMAS DEAN, US
[72] AGANOVIC, AMER, US
[72] KEMPNICH, KIRK S., US
[71] WESTROCK SHARED SERVICES, LLC, US
[85] 2018-03-20
[86] 2016-09-13 (PCT/US2016/051511)
[87] (WO2017/053130)
[30] US (14/860,385) 2015-09-21

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[13] A1
[51] **Int.Cl. A61M 25/09 (2006.01) A61B 17/34 (2006.01) A61M 1/12 (2006.01)**
[25] EN
[54] **GUIDEWIRE FOR CANNULA PLACEMENT**
[54] **FIL-GUIDE POUR PLACEMENT DE CANULE**
[72] TAO, ZHENGHONG, US
[72] FINNEGAN, MICHAEL THOMAS, US
[71] ABIOMED, INC., US
[85] 2018-03-20
[86] 2016-09-21 (PCT/US2016/052781)
[87] (WO2017/053361)
[30] US (14/862,090) 2015-09-22

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[51] **Int.Cl. C07C 17/00 (2006.01) C07C 17/20 (2006.01) C07C 21/04 (2006.01) C07C 21/18 (2006.01) C07C 21/20 (2006.01)**
[25] EN
[54] **PROCESS FOR MAKING TETRACHLOROPROPENE BY CATALYZED GAS-PHASE DEHYDROCHLORINATION OF PENTACHLOROPROPANE**
[54] **PROCEDE DE PRODUCTION DE TETRACHLOROPROPENE PAR DESHYDROCHLORATION EN PHASE GAZEUSE, CATALYSEE DE PENTACHLOROPROPANE**
[72] SYVRET, ROBERT G., US
[72] ALFORD, DANIEL, JR., US
[72] PIGAMO, ANNE, FR
[71] ARKEMA INC., US
[85] 2018-03-20
[86] 2016-09-15 (PCT/US2016/051822)
[87] (WO2017/053159)
[30] US (62/221,250) 2015-09-21

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[51] **Int.Cl. B01D 46/04 (2006.01) B01D 46/52 (2006.01) F24F 3/16 (2006.01) F24F 5/00 (2006.01)**
[25] EN
[54] **AIR FILTER DEVICES WITH GAP SEALING UNIT**
[54] **DISPOSITIFS DE FILTRE A AIR AVEC UNITE D'ETANCHEITE D'INTERSTICE**
[72] GREGERSON, GLEN O., US
[72] HERBRAND, THOMAS J., US
[72] PRINCE, DAVID J., US
[72] SCHREPPEL, DANIELLE M., US
[72] THOMPSON, CRAIG D., US
[72] OLSON, JUDD D., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2018-03-20
[86] 2016-09-16 (PCT/US2016/052047)
[87] (WO2017/053177)
[30] US (62/222,836) 2015-09-24

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[51] **Int.Cl. A62C 31/22 (2006.01) A62C 33/04 (2006.01) E06B 5/16 (2006.01) F16L 5/04 (2006.01)**
[25] EN
[54] **STRUCTURALLY-INSTALLED ACCESS DEVICE FOR ACCEPTING CONNECTION BY A FIRE HOSE NOZZLE TO INTRODUCE FIREFIGHTING FLUID INTO AN ENCLOSED SPACE OF A STRUCTURE**
[54] **DISPOSITIF D'ACCES STRUCTURELLEMENT INSTALLE POUR ACCEPTER UN RACCORDEMENT PAR UNE LANCE D'INCENDIE POUR INTRODUIRE UN FLUIDE DE LUTTE CONTRE L'INCENDIE DANS UN ESPACE FERME D'UNE STRUCTURE**
[72] GUARDIANO, DENIS B., US
[72] VASTOLA, DONALD M., US
[72] WEST, EUGENE, US
[71] GUARDIANO, DENIS B., US
[71] VASTOLA, DONALD M., US
[71] WEST, EUGENE, US
[85] 2018-03-20
[86] 2016-09-21 (PCT/US2016/052854)
[87] (WO2017/053405)
[30] US (62/221,495) 2015-09-21

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[51] **Int.Cl. H04N 21/81 (2011.01) H04N 21/435 (2011.01) G06T 17/10 (2006.01)**
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[54] **SPHERICAL VIDEOS MAPPINGS**
[54] **MAPPAGES DE VIDEOS SPHERIQUES**
[72] PIO, DAVID YOUNG JOON, US
[72] KUZYAKOV, EVGENY V., US
[72] CHEN, CHIEN-NAN, US
[71] FACEBOOK, INC., US
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[54] **CO-CRISTAUX DE NALOXONE ET DE NALTREXONE**
[72] ZAMLOOT, MICHAEL, US
[72] BARBIER, REMI, US
[72] FRIEDMANN, NADAV, US
[72] SRIRANBHATLA, VIJAY, GB
[72] WATT, STEPHEN, GB
[71] PAIN THERAPEUTICS, INC., US
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[54] **CLEANSING BARS WITH TAURINE**
[54] **PAINS NETTOYANTS CONTENANT DE LA TAURINE**
[72] WANG, JUN, US
[72] DUBOVOY, VIKTOR, US
[72] NABI, ZEENAT, US
[72] MASTRULL, JEFFREY, US
[72] CHENG, SHUJIANG, US
[72] DU-THUMM, LAURENCE, US
[72] PAN, LONG, US
[71] COLGATE-PALMOLIVE COMPANY, US
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[54] **SYSTEMS AND METHODS OF DELIVERING PRODUCTS WITH UNMANNED DELIVERY AIRCRAFTS**
[54] **SYSTEMES ET PROCEDES DE LIVRAISON DE PRODUITS AU MOYEN D'AERONEFS DE LIVRAISON SANS PILOTE**
[72] JONES, NATHAN G., US
[72] HICKS, GREGORY A., US
[72] HIGH, DONALD R., US
[71] WALMART APOLLO, LLC, US
[85] 2018-03-20
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[54] **NETWORKED ROBOTIC MANIPULATORS**
[54] **MANIPULATEURS ROBOTISES EN RESEAU**
[72] STUBBS, ANDREW, US
[72] MILLS, DIANE GRIESELHUBER, US
[72] LONGTINE, JOHN GREGORY, US
[72] VERMINSKI, MATTHEW DAVID, US
[71] AMAZON TECHNOLOGIES, INC., US
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[54] **WELLSITE HARDFACING WITH DISTRIBUTED HARD PHASE AND METHOD OF USING SAME**
[54] **RECHARGEMENT DUR DE SITE DE FORAGE A PHASE DURE REPARTIE ET SON PROCEDE D'UTILISATION**
[72] WANG, YING, US
[72] SUE, JIINJEN ALBERT, US
[71] NATIONAL OILWELL DHT, L.P., US
[85] 2018-03-20
[86] 2016-09-20 (PCT/US2016/052646)
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[54] **COMPOSITIONS AND METHODS FOR SYNTHESIZING 5'-CAPPED RNAS**
[54] **COMPOSITIONS ET PROCEDES DE SYNTHESE D'ARN COIFFES EN 5'**
[72] HOGREFE, RICHARD I., US
[72] LEBEDEV, ALEXANDRE, US
[72] MCCAFFREY, ANTON P., US
[72] SHIN, DONGWONG, US
[71] TRILINK BIOTECHNOLOGIES, INC., US
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[54] **BRAKING DEVICES FOR DRILLING OPERATIONS, AND SYSTEMS AND METHODS OF USING SAME**
[54] **DISPOSITIFS DE FREINAGE POUR OPERATIONS DE FORAGE, AINSI QUE LEURS SYSTEMES ET PROCEDES D'UTILISATION**
[72] DRENTH, CHRISTOPHER L., CA
[72] IONDOV, GEORGE, CA
[72] SAVOIE, MARTIN ROMEO, CA
[71] LONGYEAR TM, INC., US
[85] 2018-03-20
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[54] **UPDATING ATTRIBUTE DATA STRUCTURES TO INDICATE TRENDS IN ATTRIBUTE DATA PROVIDED TO AUTOMATED MODELING SYSTEMS**
[54] **MISE A JOUR DE STRUCTURES DE DONNEES D'ATTRIBUT POUR INDIQUER DES TENDANCES DANS DES DONNEES D'ATTRIBUT FOURNIES A DES SYSTEMES DE MODELISATION AUTOMATISEE**
[72] OUYANG, JEFFREY Q., US
[72] CHANG, VICKEY, US
[72] PATEL, RUPESH, US
[72] LITHERLAND, TREVIS J., US
[71] EQUIFAX, INC., US
[85] 2018-03-20
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[54] **ANTI-CD47 ANTIBODIES AND METHODS OF USE**
[54] **ANTICORPS ANTI-CD47 ET METHODES D'UTILISATION**
[72] GROSVELD, FRANK, NL
[72] PALOMBELLA, VITO, US
[72] HOLLAND, PAMELA M., US
[72] PATERSON, ALISON, US
[72] HILL, JONATHAN, US
[72] CHAPPEL, SCOTT, US
[72] LAKE, ANDREW, US
[71] ERASMUS UNIVERSITY MEDICAL CENTER, NL
[71] SURFACE ONCOLOGY, INC., US
[85] 2018-03-20
[86] 2016-09-21 (PCT/US2016/052878)
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[54] **IMPROVED STABILITY OF LIPOSOME FORMULATIONS AND USES THEREOF**
[54] **AMELIORATION DE LA STABILITE DE FORMULATIONS DE LIPOSOMES ET UTILISATIONS DE CES DERNIERES**
[72] PODARALLA, SATHEESH, US
[72] LAI, TSZ CHUNG, US
[72] YUE, BAOHUA, US
[71] MALLINCKRODT LLC, US
[85] 2018-03-20
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[54] **TARGETED EXPRESSION OF CHLORIDE CHANNELS AND METHODS OF USE THEREOF**
[54] **EXPRESSION CIBLEE DE CANAUX CHLORURE ET PROCEDES D'UTILISATION DE CELLE-CI**
[72] THOMAS, GRIFFITH ROGER, US
[72] FRAZIER, SHAWNALEA JIMEE, US
[71] GOLEINI INC., US
[85] 2018-03-20
[86] 2016-09-28 (PCT/US2016/054199)
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[54] **COMPOSITIONS AND METHODS FOR ADJOINING TYPE I AND TYPE II EXTRACELLULAR DOMAINS AS HETEROLOGOUS CHIMERIC PROTEINS**
[54] **COMPOSITIONS ET PROCEDES POUR LE POSITIONNEMENT ADJACENT DE DOMAINES EXTRACELLULAIRES DE TYPE I ET DE TYPE II EN TANT QUE PROTEINES CHIMERIQUES HETEROLOGUES**
[72] SCHREIBER, TAYLOR, US
[72] FROMM, GEORGE, US
[72] DE SILVA, SURESH, US
[72] SCHILLING, NEAL, US
[71] HEAT BIOLOGICS, INC., US
[85] 2018-03-20
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[54] **MAGNESIUM ZINC OXIDE NANOSTRUCTURE MODIFIED BIOSENSOR AND MONITORING OF RESPONSE OF CELL POPULATION TO AN AGENT USING THE SAME**
[54] **BIODETECTEUR MODIFIE AVEC UNE NANOSTRUCTURE D'OXYDE DE MAGNESIUM-ZINC ET SURVEILLANCE DE LA REPONSE D'UNE POPULATION DE CELLULES A UN AGENT L'UTILISANT**
[72] LU, YICHENG, US
[72] REYES, PAVEL, US
[72] ZHENG, STEVEN, US
[72] ZHENG, ANDREW, US
[72] YANG, KEYANG, US
[71] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US
[85] 2018-03-20
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[54] **MANAGEMENT OF PERIODIC REQUESTS FOR COMPUTE CAPACITY**
[54] **GESTION DE DEMANDES PERIODIQUES DE CAPACITE DE CALCUL**
[72] WAGNER, TIMOTHY ALLEN, US
[72] WISNIEWSKI, SCOTT DANIEL, US
[72] BROOKER, MARC JOHN, US
[71] AMAZON TECHNOLOGIES, INC., US
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[25] EN
[54] **MULTIPLEXED PHENOTYPING OF NANOVESICLES**
[54] **PHENOTYPAGE MULTIPLEXE DE NANOVESICULES**
[72] UNLU, M. SELIM, US
[72] DAABOUL, GEORGE G., US
[72] CHIARI, MARCELLA, IT
[71] TRUSTEES OF BOSTON UNIVERSITY, US
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[54] **BINDING MOLECULES WITH MODIFIED J-CHAIN**
[54] **MOLECULES DE LIAISON A CHAINE J MODIFIEE**
[72] KEYT, BRUCE, US
[72] PRESTA, LEONARD GEORGE, US
[72] BALIGA, RAMESH, US
[71] IGM BIOSCIENCES A/S, DK
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[54] **AGENT MOUILLANT ET ANTIMOUSSANT**
[72] VAN VLIET, BART, NL
[72] HECK, JAMES A., US
[72] MANGNUS, EDUARDUS MARIA, NL
[72] JEURKAR, CHITRA, US
[72] DE VRIES, JELLE, NL
[72] MULDER, ALART, NL
[71] ELEMENTIS SPECIALTIES, INC., US
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[51] **Int.Cl. H02J 1/10 (2006.01) H02J 7/34 (2006.01)**
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[54] **MAXIMUM ENERGY UTILIZATION POINT TRACKING TECHNOLOGIES**
[54] **TECHNOLOGIES DE SUIVI DE POINT D'UTILISATION D'ENERGIE MAXIMALE**
[72] SHUY, GEOFFREY WEN-TAI, TW
[72] LAI, HSIN-CHEN, TW
[72] LI, CHANG-HORANG, TW
[71] LT LIGHTING (TAIWAN) CORPORATION, TW
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[51] **Int.Cl. H04S 7/00 (2006.01) G10L 19/008 (2013.01)**
[25] EN
[54] **SCREEN RELATED ADAPTATION OF HIGHER ORDER AMBISONIC (HOA) CONTENT**
[54] **ADAPTATION ECRAN DE CONTENU AMBISONIQUE D'ORDRE SUPERIEUR**
[72] PETERS, NILS GUNTHER, US
[72] MORRELL, MARTIN JAMES, US
[72] SEN, DIPANJAN, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-03-20
[86] 2016-10-12 (PCT/US2016/056606)
[87] (WO2017/066300)
[30] US (62/241,709) 2015-10-14
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[54] **CODING HIGHER-ORDER AMBISONIC COEFFICIENTS DURING MULTIPLE TRANSITIONS**
[54] **CODAGE DE COEFFICIENTS AMBIOPHONIQUES D'ORDRE SUPERIEUR DURANT DES TRANSITIONS MULTIPLES**
[72] PETERS, NILS GUNTHER, US
[72] SEN, DIPANJAN, US
[72] KIM, MOO YOUNG, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-03-20
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[30] US (62/241,665) 2015-10-14
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[54] **FLOATING MOTOR MOUNT FOR UNMANNED AERIAL VEHICLES**
[54] **SUPPORT DE MOTEUR FLOTTANT POUR VEHICULES AERIENS SANS PILOTE**
[72] BECKMAN, BRIAN C., US
[72] SKEELS, MATTHEW LEE, US
[71] AMAZON TECHNOLOGIES, INC., US
[85] 2018-03-20
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[54] **INTERLEUKIN-15 SUPERAGONIST SIGNIFICANTLY ENHANCES GRAFT-VERSUS-TUMOR ACTIVITY**
[54] **SUPERAGONISTE D'INTERLEUKINE-15 RENFORCANT CONSIDERABLEMENT L'ACTIVITE GREFFON CONTRE TUMEUR**
[72] WONG, HING C., US
[72] JENG, EMILY K., US
[72] ALPDOGAN, S. ONDER, US
[71] ALTOR BIOSCIENCE CORPORATION, US
[71] THOMAS JEFFERSON UNIVERSITY, US
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[25] EN
[54] **FLEXIBLE COLOR ADJUSTMENT FOR DARK CR(III) PLATINGS**
[54] **AJUSTEMENT DE COULEURS FLEXIBLE POUR PLACAGES AU CR(III) SOMBRE**
[72] KONIGSHOFEN, ANDREAS, DE
[72] WINKLER, MAIK, DE
[71] MACDERMID ENTHONE INC., US
[85] 2018-03-20
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[51] **Int.Cl. A61K 39/12 (2006.01) C07K 14/755 (2006.01)**
[25] EN
[54] **ADENO-ASSOCIATED VIRUS FACTOR VIII VECTORS, ASSOCIATED VIRAL PARTICLES AND THERAPEUTIC FORMULATIONS COMPRISING THE SAME**
[54] **VECTEURS DE FACTEUR VIII A VIRUS ADENO-ASSOCIE, PARTICULES VIRALES ASSOCIEES ET FORMULATIONS THERAPEUTIQUES COMPRENANT CEUX-CI**
[72] BUNTING, STUART, US
[72] COLOSI, PETER CAMERON, US
[72] PUNGOR, ERNO, US
[71] BIOMARIN PHARMACEUTICAL INC., US
[85] 2018-03-20
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[30] US (62/232,242) 2015-09-24
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[25] EN
[54] **COMPOSITION AND METHOD FOR TREATING COMPLEMENT-MEDIATED DISEASE**
[54] **COMPOSITION ET METHODE DE TRAITEMENT D'UNE MALADIE A MEDIATION PAR LE COMPLEMENT**
[72] SONG, WENCHAO, US
[72] GULLIPALLI, DAMODAR, US
[72] MIWA, TAKASHI, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2018-03-20
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[30] US (62/232,008) 2015-09-24

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[51] **Int.Cl. G01N 33/50 (2006.01) A61K 38/18 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING CARDIAC INJURY**
[54] **PROCEDE DE TRAITEMENT DE BLESSURES CARDIAQUES**
[72] SAWYER, DOUGLAS B., US
[71] SAWYER, DOUGLAS B., US
[85] 2018-03-20
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[25] EN
[54] **METHODS AND INTERMEDIATES FOR THE PREPARATION BILE ACID DERIVATIVES**
[54] **PROCEDES ET INTERMEDIAIRES POUR LA PREPARATION DE DERIVES DE L'ACIDE BILIAIRE**
[72] SCHAAB, KEVIN, US
[72] WHITLEY, PAUL E., US
[72] CHAVEZ, FLAVIO, US
[72] IORGA, KAYLA R., US
[71] INTERCEPT PHARMACEUTICALS, INC., US
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[25] EN
[54] **ACCELERATION OF ONLINE CERTIFICATE STATUS CHECKING WITH AN INTERNET HINTING SERVICE**
[54] **ACCELERATION DE VERIFICATION DE STATUT DE CERTIFICAT EN LIGNE A L'AIDE D'UN SERVICE D'OPTIMISATION D'INTERNET**
[72] LEPESKA, PETER, US
[72] SCHEXNAYDRE, MICHAEL, US
[72] LARRICK, DOUGLAS, US
[71] VIASAT, INC., US
[85] 2018-03-20
[86] 2016-09-23 (PCT/US2016/053498)
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[25] EN
[54] **SHAPED ELASTOMERIC CONTAINER WITH INTEGRATED LEAK RESISTANT SEAL**
[54] **RECIPIENT ELASTOMERE PROFILE POURVU D'UN JOINT RESISTANT AUX FUITES INTEGRE**
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[72] MAGUIRE, PAUL, US
[71] STASHER, INC, US
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[54] **CODAGE ET DECODAGE AUDIO A L'AIDE DE PARAMETRES DE TRANSFORMATION DE PRESENTATION**
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[72] COOPER, DAVID M., AU
[72] SAMUELSSON, LEIF J., SE
[72] KOPPENS, JEROEN, SE
[72] WILSON, RHONDA J., US
[72] PURNHAGEN, HEIKO, SE
[72] GROESCHEL, ALEXANDER, DE
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[71] DOLBY LABORATORIES LICENSING CORPORATION, US
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[54] **ARTICLES ET PROCEDES DE PREPARATION D'UNE SURFACE POUR OBTENIR UN ECHANTILLON D'UN PATIENT**
[72] TAYLOR, JASON, US
[72] STEINMILLER, DAVID, US
[72] SINGH, HARDEEP, US
[72] WAGNER, REBECCA, US
[72] FAGAN, GARY J., US
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[54] **ORAL CARE IMPLEMENT WITH CONDUCTIVE PROTRUSIONS**
[54] **INSTRUMENT D'HYGIENE BUCCALE POURVU DE PROTUBERANCES CONDUCTRICES**
[72] JOHANSSON, PATRIK, US
[72] TRIVEDI, HARSH, US
[72] HOHLBEIN, DOUGLAS J., US
[71] COLGATE-PALMOLIVE COMPANY, US
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[54] **MARQUEURS DIMETHYL-PYRIMIDINYL-ORNITHINE (DIPYRO) MULTIPLEX A BASE DE DEFAUT DE MASSE POUR PROTHEOMIQUE ET PEPTIDOMIQUE QUANTITATIVES A HAUT DEBIT**
[72] LI, LINGJUN, US
[72] FROST, DUSTIN, US
[72] BUCHBERGER, AMANDA, US
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
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[54] **CRYSTALLINE FORM OF 2-(2,6-DICHLOROPHENYL)-1-[(1S,3R)-3-(HYDROXYMETHYL)-5-(3-HYDROXY-3-METHYLBUTYL)-1-METHYL-3,4-DIHYDROISOQUINOLIN-2(1H)-YL]ETHANONE FOR THE TREATMENT OF PARKINSON'S DISEASE**
[54] **FORME CRISTALLINE DE 2- (2,6-DICHLOROPHENYL)-1-[(1S,3R)-3-(HYDROXYMETHYL)-5-(3-HYDROXY-3-METHYLBUTYL)-1-METHYL -3,4-DIHYDROISOQUINOLEIN -2 (1H)-YL)ETHANONE POUR LE TRAITEMENT DE LA MALADIE DE PARKINSON**
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[71] ELI LILLY AND COMPANY, US
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[54] **DISPOSITIFS ET PROCEDES POUR SOINS BUCCAUX REPOSANT SUR DES INSTRUCTIONS**
[72] BLOCH, BRIAN, US
[72] LIEBERWIRTH, LARS RALF RAINER, DE
[71] COLGATE-PALMOLIVE COMPANY, US
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[54] **PROCEDE DE BLANCHIMENT DES DENTS ET/OU DE MODIFICATION DE TACHES DENTAIRES**
[72] JOHANSSON, PATRIK, US
[72] LAVENDER, STACEY, US
[72] DEMAREST, SCOTT, US
[72] ADAMS, RICHARD, US
[72] BOYD, THOMAS, US
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[54] **SUPPRESSEURS DE CODONS DE TERMINAISON PREMATURES EN TANT QU'AGENTS THERAPEUTIQUES ET LEURS METHODES D'UTILISATION**
[72] ROBERGE, MICHEL, CA
[72] BARADARAN-HERAVI, ALIREZA, CA
[72] BALGI, ARUNA DINESH, CA
[72] WITHERS, STEPHEN G., CA
[72] CHOI, KUNHO, CA
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[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
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[72] RING, DANIEL P., US
[72] SINGH, SHEO B., US
[72] WALTER, JAMES FREDERIC, US
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[54] **MODULATION DE L'EXPRESSION DE L'APOLIPOPROTEINE (A)**
[72] VINEY, NICHOLAS J., US
[72] GEARY, RICHARD S., US
[72] WANG, YANFENG, US
[72] YU, ZHENGRONG, US
[72] GUNAWAN, RUDY, US
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[54] **SECURE ENROLMENT OF SECURITY DEVICE FOR COMMUNICATION WITH SECURITY SERVER**
[54] **ASSIGNATION SECURISEE DE DISPOSITIF DE SECURITE POUR UNE COMMUNICATION AVEC UN SERVEUR DE SECURITE**
[72] DOYON, JONATHAN, CA
[72] LE BOURDAIS-CABANA, SIMON, CA
[72] NADEAU, SEBASTIEN, CA
[72] BARO, SIAKA, CA
[72] TARDIF, MARTIN, CA
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[72] LONG, JOHN EDWARD, CA
[72] MANNING, DWIGHT EDWARD, CA
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[54] **APPAREIL ET PROCEDE POUR DECLENCHEMENT D'EVENEMENTS A PARTIR D'UN ID NUMERIQUE DE CONTENU AUDIO**
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[72] BENOIT, MARTIN, CA
[71] SCREEN JUMPER, CA
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[72] YOSHIGUCHI, KAZUMI, TH
[71] KAJITANI, TSUYOSHI, JP
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[54] **NOUVEAUX LIPIDES AMPHIPHILES RAMIFIES**
[72] JAFFRES, PAUL-ALAIN, FR
[72] COUTHON-COURVES, HELENE, FR
[72] AFONSO, DAMIEN, FR
[72] MONTIER, TRISTAN, FR
[72] LE GALL, TONY, FR
[71] UNIVERSITE DE BRETAGNE OCCIDENTALE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] CENTRE HOSPITALIER REGIONAL ET UNIVERSITAIRE DE BREST, FR
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[25] FR
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[54] **AUBE COMPRENANT UN BOUCLIER DE BORD D'ATTAQUE ET PROCEDE DE FABRICATION DE L'AUBE**
[72] NOTARIANNI, GILLES PIERRE-MARIE, FR
[72] GUIVARC'H, JEREMY, FR
[72] POUZADOUX, FREDERIC JEAN-BERNARD, FR
[72] RAULIN, DOMINIQUE, FR
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[54] **TAMPONS D'APPLICATION DE CATAPLASMES EQUINS**
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[71] QUINN, ANTHONY, CA
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[54] **DISPOSITIF POUR APPLIQUER UN RAYONNEMENT UV A UN MILIEU EN CIRCULATION**
[72] SCHWARZ-KIENE, PETER, DE
[72] ROTH, MARKUS, DE
[71] ETA PLUS ELECTRONIC GMBH, DE
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[54] **ANTICORPS ANTI-OX40 ET LEURS UTILISATIONS DIAGNOSTIQUES**
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[72] ZHIMING, LIAO, US
[72] PYTELA, ROBERT, US
[71] SPRING BIOSCIENCE CORPORATION, US
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[54] **POMPE POURVUE D'UNE COMBINAISON DE RESSORT ET DE SOUPAPE**
[72] NILSSON, HUGO, SE
[72] BERGMAN, PETER, SE
[72] LINDSTROM, HAKAN, SE
[71] SCA HYGIENE PRODUCTS AB, SE
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[54] **THIN FILM COATING LAYER COMPOSITION AND COATING METHOD**
[54] **COMPOSITION POUR COUCHE DE REVETEMENT DE FILM MINCE ET PROCEDE DE REVETEMENT**
[72] YANG, JUN, CA
[72] HU, MINGJUN, CN
[72] ZHANG, TENGYUAN, CN
[72] GUO, QIUQUAN, CN
[71] YANG, JUN, CA
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[71] NOVARTIS AG, CH
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[72] TAYLOR, OLIVER PAUL, GB
[72] BAKER, MICHAEL, GB
[72] GAMSTON, JOHN, GB
[72] ARORA, KRISHAN, GB
[71] CASTROL LIMITED, GB
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[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE PNEU PAR UN FAISCEAU LASER**
[72] KRAUS, ARMIN, DE
[72] KEULERS, PATRICK, DE
[72] FEUSTER, JENS, DE
[72] LINDENAU, FRANK, DE
[71] 4JET TECHNOLOGIES GMBH, DE
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[54] **PALE DE ROTOR D'EOLIENNE ET EOLIENNE**
[72] SPIETH, FALK, DE
[72] HOFFMANN, ALEXANDER, DE
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[71] WOBBEN PROPERTIES GMBH, DE
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[54] **UTILISATION DE COMPOSES IMINO COMPORTANT UN SUBSTITUANT 2-CHLOROPYRIMIDINE-5-YLE COMME AGENTS DE LUTTE CONTRE LES RAVAGEURS**
[72] MCLAUGHLIN, MARTIN JOHN, DE
[72] KOERBER, KARSTEN, DE
[72] GOCKEL, BIRGIT, DE
[72] VON DEYN, WOLFGANG, DE
[71] BASF SE, DE
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[54] **SECTION DE BETON COMPOSEE DE PLUSIEURS PARTIES POUR UN MAT**
[72] DOBRUSKY, SVATOPLUK, FR
[72] RIVOAL, JEAN-NICOLAS, FR
[72] ZHANG, QING, FR
[72] CORVEZ, DOMINIQUE, US
[71] HOLCIM TECHNOLOGY LTD, CH
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[54] **CONDITIONNEMENT RECTANGULAIRE CIBLE**
[72] TSIAFLAKIS, PASCHALIS, BE
[72] NUZMAN, CARL, US
[72] MAES, JOCHEN, BE
[71] ALCATEL LUCENT, FR
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[54] **PRODUIT DE SURFACE SOLIDE ET SON PROCEDE DE FABRICATION**
[72] MONTON MARTIN, ERNESTO, ES
[71] ARCESSO DYNAMICS, ES
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[54] **DISPOSITIF POUR LA DETECTION DE DEFAUTS DANS DES BANDES**
[72] DUBOIS, MICHEL, BE
[71] COCKERILL MAINTENANCE & INGENIERIE S.A., BE
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[25] EN
[54] **OPTIMIZED ANTI-CD3 BISPECIFIC ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS BISPECIFIQUES ANTI-CD3 OPTIMISES ET LEURS UTILISATIONS**
[72] SMITH, ERIC, US
[72] HABER, LAURIC, US
[72] BABB, ROBERT, US
[72] CHEN, GANG, US
[72] MACDONALD, DOUGLAS, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2018-03-20
[86] 2016-09-23 (PCT/US2016/053525)
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[30] US (62/222,605) 2015-09-23

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[51] **Int.Cl. B31F 1/28 (2006.01) B65H 23/18 (2006.01)**
[25] EN
[54] **CORRUGATED SHEET PROCESSING APPARATUS**
[54] **APPAREIL DE TRAITEMENT DE FEUILLES ONDULEES**
[72] LANG, TONY, GB
[72] WILLIAMSON, STEPHEN, GB
[72] TOMLINSON, GLYN, GB
[71] DS SMITH PACKAGING LTD, GB
[85] 2018-03-21
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[30] GB (1516772.9) 2015-09-22
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[25] EN
[54] **COMBINATION OF TRAZODONE AND GABAPENTIN FOR THE TREATMENT OF PAIN**
[54] **COMBINAISON DE TRAZODONE ET DE GABAPENTINE POUR LE TRAITEMENT DE LA DOULEUR**
[72] GARRONE, BEATRICE, IT
[72] DURANDO, LUCIA, IT
[72] CALISTI, FABRIZIO, IT
[71] AZIENDE CHIMICHE RIUNITE ANGELINI FRANCESCO A.C.R.A.F. S.P.A., IT
[85] 2018-03-21
[86] 2016-10-17 (PCT/EP2016/074835)
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[25] EN
[54] **TREATMENT OF NEURODEGENERATIVE DISEASES**
[54] **TRAITEMENT DE MALADIES NEURODEGENERATIVES**
[72] RICHARDSON, PETER, GB
[72] MEAD, RICHARD, GB
[72] FERRAIUOLO, LAURA, GB
[72] MULVANY, KENNETH PATRICK, GB
[71] BENEVOLENTAI BIO LIMITED, GB
[85] 2018-03-21
[86] 2016-09-23 (PCT/GB2016/052970)
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[25] EN
[54] **INDUCTIVELY TRANSFERRING ELECTRIC ENERGY TO A VEHICLE USING CONSECUTIVE SEGMENTS WHICH ARE OPERATED AT THE SAME TIME**
[54] **TRANSFERT INDUCTIF D'UNE ENERGIE ELECTRIQUE A UN VEHICULE AU MOYEN DE SEGMENTS CONSECUTIFS FONCTIONNANT AU MEME MOMENT**
[72] WIRTH, CHRISTIAN, CH
[71] BOMBARDIER PRIMOVE GMBH, DE
[85] 2018-03-21
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[54] **APPARATUS, METHOD OR COMPUTER PROGRAM FOR GENERATING A SOUND FIELD DESCRIPTION**
[54] **APPAREIL, PROCEDE, OU PROGRAMME D'ORDINATEUR POUR GENERER UNE DESCRIPTION DE CHAMP SONORE**
[72] HABETS, EMANUEL, DE
[72] THIERGART, OLIVER, DE
[72] KUCH, FABIAN, DE
[72] NIEDERLEITNER, ALEXANDER, DE
[72] KHAN, AFFAN-HASAN, DE
[72] MAHNE, DIRK, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[54] **SYSTEM FOR TREATING AN EPISTAXIS**
[54] **SYSTEME POUR LE TRAITEMENT D'UNE EPISTAXIS**
[72] LESTOQUOY, PATRICK, FR
[71] VYGON, FR
[85] 2018-03-21
[86] 2016-09-21 (PCT/EP2016/072419)
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[25] EN
[54] **ISOINDOLINONE INHIBITORS OF THE MDM2-P53 INTERACTION HAVING ANTICANCER ACTIVITY**
[54] **INHIBITEURS D'ISOINDOLINONE DE L'INTERACTION MDM2-P53 AYANT UNE ACTIVITE ANTICANCEREUSE**
[72] CHESSARI, GIANNI, GB
[72] HOWARD, STEVEN, GB
[72] BUCK, ILDIKO MARIA, GB
[72] CONS, BENJAMIN DAVID, GB
[72] JOHNSON, CHRISTOPHER NORBERT, GB
[72] HOLVEY, RHIAN SARA, GB
[72] REES, DAVID CHARLES, GB
[72] ST.DENIS, JEFFREY DAVID, GB
[72] TAMANINI, EMILIANO, GB
[72] GOLDING, BERNARD THOMAS, GB
[72] HARDCASTLE, IAN ROBERT, GB
[72] CANO, CELINE FLORENCE, GB
[72] MILLER, DUNCAN CHARLES, GB
[72] NOBLE, MARTIN EDWARD MANTYLA, GB
[72] GRIFFIN, ROGER JOHN, GB
[72] OSBORNE, JAMES DANIEL, GB
[72] PEACH, JOANNE, GB
[72] LEWIS, ARWEL, GB
[72] HIRST, KIM LOUISE, GB
[72] WHITTAKER, BENJAMIN PAUL, GB
[72] WATSON, DAVID WYN, GB
[72] MITCHELL, DALE ROBERT, GB
[71] ASTEX THERAPEUTICS LIMITED, GB
[71] CANCER RESEARCH TECHNOLOGY LIMITED, GB
[85] 2018-03-21
[86] 2016-09-29 (PCT/GB2016/053041)
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[30] GB (1517216.6) 2015-09-29

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[25] EN
[54] **IMPROVEMENTS IN AND RELATING TO FRICTION REDUCERS AND WELL TREATMENT FLUIDS**
[54] **AMELIORATIONS APPORTEES ET RELATIVES A DES REDUCTEURS DE FRICTION ET FLUIDES DE TRAITEMENT DE PUITS**
[72] KRAMER, JEFFREY FRANK, US
[71] BWA WATER ADDITIVES UK LIMITED, GB
[85] 2018-03-21
[86] 2016-09-29 (PCT/GB2016/053028)
[87] (WO2017/055847)
[30] US (14/870,951) 2015-09-30

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[25] EN
[54] **AIR FILTER MEDIUM, AIR FILTER PACK, AND AIR FILTER UNIT**
[54] **MATERIAU DE FILTRE A AIR, BLOC DE FILTRE A AIR ET UNITE DE FILTRE A AIR**
[72] NIKI, TAKASHI, JP
[72] MORI, MASAAKI, JP
[72] WADA, SHIHO, JP
[72] DAIMON, ATSUSHI, JP
[71] NITTO DENKO CORPORATION, JP
[85] 2018-03-21
[86] 2016-09-30 (PCT/JP2016/004433)
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[25] EN
[54] **MANOEUVRING DEVICE AND METHOD THEROF**
[54] **DISPOSITIF DE MAN□UVRE ET PROCEDE ASSOCIE**
[72] VAZ, GARY, IN
[72] HOLOHAN, ERIC, IE
[71] TOW-BOTIC SYSTEMS PRIVATE LIMITED, IN
[85] 2018-03-21
[86] 2016-09-15 (PCT/IN2016/050309)
[87] (WO2017/056105)
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[25] EN
[54] **SKIN CARE COMPOSITION COMPRISING TURBOSTRATIC BORON NITRIDE**
[54] **COMPOSITION DE SOIN CUTANE COMPRENANT DU NITRURE DE BORE TURBOSTRATIQUE**
[72] DONG, WENYAN, CN
[72] GHATLIA, NARESH DHIRAJLAL, CN
[72] WANG, LIN, CN
[72] ZHU, SHUQI, CN
[71] UNILEVER PLC, GB
[85] 2018-03-21
[86] 2016-09-22 (PCT/EP2016/072573)
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[25] EN
[54] **ISOINDOLINONE INHIBITORS OF THE MDM2-P53 INTERACTION HAVING ANTICANCER ACTIVITY**
[54] **INHIBITEURS ISOINDOLINONE DE L'INTERACTION MDM2-P53 AYANT UNE ACTIVITE ANTICANCEREUSE**
[72] CHESSARI, GIANNI, GB
[72] HOWARD, STEVEN, GB
[72] BUCK, ILDIKO MARIA, GB
[72] CONS, BENJAMIN DAVID, GB
[72] JOHNSON, CHRISTOPHER NORBERT, GB
[72] HOLVEY, RHIAN SARA, GB
[72] REES, DAVID CHARLES, GB
[72] ST. DENIS, JEFFREY DAVID, GB
[72] TAMANINI, EMILIANO, GB
[72] GOLDING, BERNARD THOMAS, GB
[72] HARDCASTLE, IAN ROBERT, GB
[72] CANO, CELINE FLORENCE, GB
[72] MILLER, DUNCAN CHARLES, GB
[72] CULLY, SARAH, GB
[72] NOBLE, MARTIN EDWARD MANTYLA, GB
[72] PEACH, JOANNE, GB
[72] LEWIS, ARWEL, GB
[72] HIRST, KIM LOUISE, GB
[72] WHITTAKER, BENJAMIN PAUL, GB
[72] WATSON, DAVID WYN, GB
[72] MITCHELL, DALE ROBERT, GB
[72] OSBORNE, JAMES DANIEL, GB
[71] ASTEX THERAPEUTICS LIMITED, GB
[71] CANCER RESEARCH TECHNOLOGY LIMITED, GB
[85] 2018-03-21
[86] 2016-09-29 (PCT/GB2016/053042)
[87] (WO2017/055860)
[30] GB (1517217.4) 2015-09-29

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[51] **Int.Cl. H01L 33/58 (2010.01) H01L 33/10 (2010.01) H01L 33/54 (2010.01)**
[25] EN
[54] **LIGHT-EMITTING DEVICE, INTEGRATED LIGHT-EMITTING DEVICE, AND LIGHT-EMITTING MODULE**
[54] **DISPOSITIF EMETTEUR DE LUMIERE, DISPOSITIF EMETTEUR DE LUMIERE INTEGRE ET MODULE EMETTEUR DE LUMIERE**
[72] YAMADA, MOTOKAZU, JP
[72] YAMADA, YUICHI, JP
[71] NICHIA CORPORATION, JP
[85] 2018-03-21
[86] 2016-10-07 (PCT/JP2016/004528)
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[30] JP (2015-200445) 2015-10-08
[30] JP (2016-197968) 2016-10-06

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[51] **Int.Cl. F22B 37/10 (2006.01) F16L 57/00 (2006.01)**
[25] EN
[54] **BOILER TUBE REINFORCEMENT DEVICE AND BOILER TUBE REINFORCEMENT METHOD**
[54] **DISPOSITIF DE RENFORCEMENT DE TUBE DE CHAUDIERE ET PROCEDE DE RENFORCEMENT DE TUBE DE CHAUDIERE**
[72] MATSUMURA, HIDEO, JP
[72] NISHIDA, HIDETAKA, JP
[71] THE CHUGOKU ELECTRIC POWER CO., INC., JP
[85] 2018-03-21
[86] 2016-03-25 (PCT/JP2016/059589)
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[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **IMPROVED DETECTION OF SHORT HOMOPOLYMERIC REPEATS**
[54] **DETECTION AMELIOREE DE COURTES REPETITIONS HOMOPOLYMERES**
[72] CLAES, BART, BE
[72] ROSSAU, RUDI, BE
[71] BIOCARTIS NV, BE
[85] 2018-03-21
[86] 2016-09-22 (PCT/EP2016/072605)
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[51] **Int.Cl. A61K 38/26 (2006.01) A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 38/00 (2006.01) A61K 47/00 (2006.01) A61K 47/20 (2006.01) A61K 47/26 (2006.01) A61M 5/142 (2006.01)**
[25] EN
[54] **METHODS FOR PRODUCING STABLE THERAPEUTIC GLUCAGON FORMULATIONS IN APROTIC POLAR SOLVENTS**
[54] **PROCEDES DE PRODUCTION DE FORMULATIONS DE GLUCAGON THERAPEUTIQUES STABLES DANS DES SOLVANTS POLAIRES APROTIQUES**
[72] PRESTRELSKI, STEVEN, US
[72] DONOVAN, MARTIN, US
[72] SANDOVAL, MICHAEL, US
[71] XERIS PHARMACEUTICALS, INC., US
[85] 2018-03-20
[86] 2016-09-25 (PCT/US2016/053628)
[87] (WO2017/053922)
[30] US (62/233,032) 2015-09-25
[30] US (15/136,650) 2016-04-22

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[51] **Int.Cl. C09D 201/06 (2006.01) B05D 7/24 (2006.01)**
[25] EN
[54] **COATING COMPOSITION**
[54] **COMPOSITION DE REVETEMENT**
[72] WATANABE, KAZUYA, JP
[72] NAGAI, AKINORI, JP
[71] KANSAI PAINT CO., LTD., JP
[85] 2018-03-21
[86] 2016-09-08 (PCT/JP2016/076522)
[87] (WO2017/056911)
[30] JP (2015-195551) 2015-10-01

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[51] **Int.Cl. A61F 5/02 (2006.01) A41D 1/06 (2006.01) A41D 1/14 (2006.01) A41D 13/05 (2006.01) A41D 27/12 (2006.01)**
[25] EN
[54] **PANTS WITH WAIST PROTECTION BELT**
[54] **PANTALON A CEINTURE DE PROTECTION DE LA TAILLE**
[72] KIM, JAEWOO, JP
[72] MATSUBAYASHI, NAOTOSHI, JP
[72] TAMANAHA, SHOHEI, JP
[72] SAKO, KAGARI, JP
[71] MIDORI ANZEN CO., LTD., JP
[85] 2018-03-21
[86] 2016-06-06 (PCT/JP2016/066714)
[87] (WO2017/073105)
[30] JP (2015-211314) 2015-10-27

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[13] A1
[51] **Int.Cl. A41D 15/00 (2006.01)**
[25] EN
[54] **SYSTEM OF PRODUCTION, MEASUREMENT, COMBINATION AND SIZES OF FABRIC, GARMENTS AND BAGS AIMING AT THEIR CREATION, READJUSTMENT AND COMPLETION BY ANY PERSON INDIVIDUALLY**
[54] **SYSTEME DE FABRICATION, DE MESURE, DE COMBINAISON ET DE TAILLES DE TISSU, DE VETEMENTS ET DE SACS POUR LEUR CREATION, REAJUSTEMENT ET REALISATION PAR UNE PERSONNE QUELCONQUE INDIVIDUELLEMENT**
[72] SPATHAS, ANTONIOS, GR
[71] SPATHAS, ANTONIOS, GR
[85] 2018-03-21
[86] 2016-09-22 (PCT/GR2016/000046)
[87] (WO2017/051206)
[30] GR (20150100415) 2015-09-23

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[51] **Int.Cl. A61B 3/032 (2006.01) A61B 3/00 (2006.01) A61B 3/04 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETERMINING THE SUBJECTIVE REFRACTION PROPERTIES OF AN EYE**
[54] **PROCEDE ET DISPOSITIF POUR DETERMINER LES PROPRIETES DE REFRACTION SUBJECTIVES D'UN □IL**
[72] OHLENDORF, ARNE, DE
[72] WAHL, SIEGFRIED, DE
[72] CABEZA GUILLEN, JESUS-MIGUEL, DE
[71] CARL ZEISS VISION INTERNATIONAL GMBH, DE
[85] 2018-03-21
[86] 2016-09-22 (PCT/EP2016/072607)
[87] (WO2017/050935)
[30] DE (10 2015 116 110.9) 2015-09-23

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[51] **Int.Cl. B21D 28/34 (2006.01) B23K 31/00 (2006.01)**
[25] EN
[54] **CUTTING METHOD USING A STAMPING PRESS**
[54] **PROCEDE DE DECOUPE A L'AIDE D'UNE MATRICE DE PRESSE**
[72] YASUTOMI, TAKASHI, JP
[72] MATSUNO, TAKASHI, JP
[72] YOSHIDA, TOHRU, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2018-03-21
[86] 2016-09-28 (PCT/JP2016/078637)
[87] (WO2017/057466)
[30] JP (2015-189830) 2015-09-28

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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/0205 (2006.01) A61B 5/024 (2006.01) A61B 5/04 (2006.01) A61B 5/145 (2006.01) A61B 5/1455 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR HEALTH MONITORING USING A NON-INVASIVE, MULTI-BAND BIOSENSOR**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE DE LA SANTE A L'AIDE D'UN BIOCAPTEUR MULTIBANDE INVASIF**
[72] NEWBERRY, ROBERT STEVEN, US
[71] SANMINA CORPORATION, US
[85] 2018-03-20
[86] 2016-09-25 (PCT/US2016/053631)
[87] (WO2017/053925)
[30] US (14/866,500) 2015-09-25
[30] US (62/276,934) 2016-01-10
[30] US (62/307,375) 2016-03-11
[30] US (62/312,614) 2016-03-24
[30] US (62/373,283) 2016-08-10
[30] US (62/383,313) 2016-09-02
[30] US (15/275,388) 2016-09-24

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[51] **Int.Cl. A61K 31/728 (2006.01) A61K 9/06 (2006.01) A61K 9/08 (2006.01) A61K 9/10 (2006.01) A61K 31/737 (2006.01) A61K 33/06 (2006.01) A61K 45/06 (2006.01) A61P 1/04 (2006.01)**
[25] EN
[54] **COMBINATION OF GLYCOSAMINOGLYCANS AND AN ANTACID AGENT AND COMPOSITIONS THEREOF**
[54] **ASSOCIATION DE GLYCOSAMINOGLYCANES ET D'UN AGENT ANTIACIDE ET COMPOSITIONS ASSOCIEES**
[72] PIZZONI, ANGELO, IT
[72] PIZZONI, PAOLO, IT
[71] APHARM S.R.L., IT
[85] 2018-03-21
[86] 2016-09-30 (PCT/IB2016/001423)
[87] (WO2017/055909)
[30] IT (UB2015A004158) 2015-10-01
[30] IT (UA2016A002869) 2016-04-26

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[13] A1
[51] **Int.Cl. C07F 15/00 (2006.01) B01J 31/00 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING RUTHENIUM COMPLEXES AND INTERMEDIATES THEREOF AND THEIR USE IN OLEFIN METATHESIS**
[54] **PROCEDE DE PRODUCTION DE COMPLEXES DE RUTHENIUM ET D'INTERMEDIAIRES ASSOCIES ET LEUR UTILISATION DANS LA METATHESE D'OLEFINES**
[72] SKOWERSKI, KRZYSZTOF, PL
[72] RAFAL, GAWIN, PL
[71] APEIRON SYNTHESIS S.A., PL
[85] 2018-03-21
[86] 2016-07-27 (PCT/IB2016/054486)
[87] (WO2017/055945)
[30] PL (PL414234) 2015-09-30

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[51] **Int.Cl. B25J 9/16 (2006.01) A61H 1/02 (2006.01) G05B 19/423 (2006.01)**
[25] EN
[54] **REHABILITATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE REEDUCATION**
[72] SAPIN, JULIEN, BE
[72] DEHEZ, BRUNO, BE
[72] GILLIAUX, MAXIME, BE
[71] UNIVERSITE CATHOLIQUE DE LOUVAIN, BE
[85] 2018-03-21
[86] 2016-09-23 (PCT/EP2016/072676)
[87] (WO2017/050961)
[30] EP (15186494.9) 2015-09-23

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[51] **Int.Cl. A61K 31/423 (2006.01) A61P 1/08 (2006.01) A61P 1/10 (2006.01) A61P 1/12 (2006.01) A61P 9/00 (2006.01) A61P 19/00 (2006.01) A61P 19/02 (2006.01) A61P 21/00 (2006.01) A61P 21/02 (2006.01) A61P 25/02 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR TREATING AND/OR PREVENTING PERIPHERAL NEUROPATHY OR SPINAL CORD INJURY**
[54] **AGENT THERAPEUTIQUE ET/OU AGENT PROPHYLACTIQUE POUR UN TROUBLE DES NERFS PERIPHERIQUES OU UNE LESION SPINALE**
[72] OHNO, KINJI, JP
[72] ISHIGURO, NAOKI, JP
[72] OKAWARA, BISEI, JP
[72] YAGI, HIDEKI, JP
[72] OTA, KYOTARO, JP
[71] NATIONAL UNIVERSITY CORPORATION NAGOYA UNIVERSITY, JP
[71] SUMITOMO DAINIPPON PHARMA CO., LTD., JP
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[54] **PROCEDE DE PREPARATION DE COMPOSES INDOLINE ET D'UN NOUVEAU SEL D'INDOLINE**
[72] ASWATHANARAYANAPPA, CHANDRASHEKAR, IN
[72] SOUNDARARAJAN, THILAK GREGORY, IN
[72] GORLI V, NOOKA APPA RAO, IN
[72] JAGABATHUNI, SURENDRA BABU, IN
[72] CHARYULU, PALLE VENKATA RAGHAVENDRA, IN
[71] BIOCON LIMITED, IN
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[54] **DEVICES AND SYSTEMS FOR AIR ASSISTED DRY POWDER ADMINISTRATION**
[54] **DISPOSITIFS ET SYSTEMES POUR L'ADMINISTRATION DE POUDRE SECHE ASSISTEE PAR AIR**
[72] GJERTSEN, JEFFREY, US
[72] SHAW, MICHAEL, US
[72] HANCOCK, JESSE, US
[72] GOODMAN, PHILLIP, US
[72] SULLIVAN, TIMOTHY, US
[71] MYSTIC PHARMACEUTICALS, INC., US
[71] SHAY, CHRIS D., US
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[54] **APPAREIL D'ENTRAINEMENT DU COU**
[72] BRASK, BENT, NO
[71] NECKFOCUS AS, NO
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[54] **CRYSTALLINE FORMS OF POSACONAZOLE INTERMEDIATE AND PROCESS FOR THE PREPARATION OF AMORPHOUS POSACONAZOLE**
[54] **FORMES CRISTALLINES D'UN INTERMEDIAIRE DE POSACONAZOLE ET PROCEDE DE PREPARATION DE POSACONAZOLE AMORPHE**
[72] CHARYULU, PALLE VENKATA RAGHAVENDRA, IN
[72] GOWDA, DHARSHAN JAKKALI CHANDRE, IN
[72] RAJMAHENDRA, SHANMUGHASAMY, IN
[72] RAMAN, MANIKANDAN, IN
[71] BIOCON LIMITED, IN
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[54] **CURABLE EPOXY RESIN COMPOSITION, AND FIBER-REINFORCED COMPOSITE MATERIAL OBTAINED USING SAME**
[54] **COMPOSITION DE RESINE EPOXYDE DURCISSABLE, ET MATERIAU COMPOSITE RENFORCE PAR DES FIBRES OBTENU A L'AIDE DE CETTE DERNIERE**
[72] TANIGUCHI, YUICHI, JP
[72] KANO, KYOHEI, JP
[72] YOKOYAMA, NAOKI, JP
[71] NIPPON STEEL & SUMIKIN CHEMICAL CO., LTD., JP
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[54] **METHOD AND SYSTEM FOR ASSIGNING TASKS TO MINING AND/OR CONSTRUCTION MACHINES**
[54] **PROCEDE ET SYSTEME POUR ATTRIBUER DES TACHES A DES MACHINES D'EXPLOITATION MINIERE ET/OU DE CONSTRUCTION**
[72] LUNDH, ROBERT, SE
[72] JOYCE, STEPHEN, SE
[72] MANSOURI, MASOUMEH, SE
[72] ANDREASSON, HENRIK, SE
[72] PECORA, FEDERICO, SE
[71] EPIROC ROCK DRILLS AKTIEBOLAG, SE
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[54] **REMORQUE DE CAMION SEMI-REMORQUE PLIANTE VERTICALEMENT**
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[71] RONSTADT, ELIAS, US
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[54] **OREILLER EN FORME DE SABLIER A CLOISON INTERNE**
[72] HOLBROOK, RUSS, US
[72] GRAY, W. ALEXANDER, III, US
[71] STANDARD FIBER, LLC, US
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[54] **SYSTEM AND METHOD FOR DIAGNOSIS AND ASSESSMENT OF CARDIOVASCULAR DISEASE BY COMPARING ARTERIAL SUPPLY CAPACITY TO END-ORGAN DEMAND**
[54] **SYSTEME ET PROCEDE DE DIAGNOSTIC ET EVALUATION D'UNE MALADIE CARDIO-VASCULAIRE PAR COMPARAISON DE LA CAPACITE D'APPORT ARTERIEL AVEC LA DEMANDE D'ORGANES TERMINAUX**
[72] TAYLOR, CHARLES A., US
[72] KIM, HYUN JIN, US
[72] SANKARAN, SETHURAMAN, US
[72] SPAIN, DAVID, US
[72] XIAO, NAN, US
[72] KHEM, SOPHIA, US
[71] HEARTFLOW, INC., US
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[54] **COMPOSITIONS DE LUTTE CONTRE LES TIQUES ET LES PUCES COMPRENANT DES HUILES ESSENTIELLES VEGETALES ET DIFFERENTES FORMES POUR FACILITER L'APPLICATION**
[72] NAIR, KRISHNA PRASAD SUDHIR, US
[72] SASI, AHARSH RAJESWARI PADMANANBHAN, US
[71] TRIDENT BIOTECH, INC., US
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[54] **METHOD AND APPARATUS FOR DIRECTING WIRELESS SIGNALS**
[54] **PROCEDE ET APPAREIL D'ORIENTATION DE SIGNAUX RADIO**
[72] BARZEGAR, FARHAD, US
[72] HENRY, PAUL SHALA, US
[72] BARNICKEL, DONALD J., US
[72] BENNETT, ROBERT, US
[72] GERSZBERG, IRWIN, US
[72] KAFKA, HENRY, US
[72] WILLIS, THOMAS M., III, US
[71] AT&T INTELLECTUAL PROPERTY I, L.P., US
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[54] **SUPPLEMENTAL LID FOR CONTAINMENT SUMP**
[54] **COUVERCLE SUPPLEMENTAIRE POUR CUVE DE DEPOT**
[72] RUSSELL, DAVID, US
[72] RUSSELL, ROBERT, US
[71] TANK TECH, INC., US
[85] 2018-03-21
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[54] **DISPOSITIF DE COMMANDE DE DIRECTION POUR AGRICULTURE DE PRECISION**
[72] MORTIMER, RAYMOND, AU
[72] MILLER, STEVEN R., US
[72] GANZ, BRIAN, US
[72] HUTCHINGS, JAMES, US
[72] SYVERSON, CHARLES D., US
[71] AGJUNCTION LLC, US
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[54] **UPGRADED EBULLATED BED REACTOR WITH INCREASED PRODUCTION RATE OF CONVERTED PRODUCTS**
[54] **REACTEUR A LIT BOUILLONNANT AMELIORE AVEC TAUX DE PRODUCTION AUGMENTE DE PRODUITS TRANSFORMES**
[72] MOUNTAINLAND, DAVID M., US
[72] SILVERMAN, BRETT M., US
[72] RUETER, MICHAEL A., US
[72] SMITH, LEE, US
[71] HYDROCARBON TECHNOLOGY & INNOVATION, LLC, US
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[54] **GLUTAMINE-HIGH Z ELEMENT COMPOUNDS FOR TREATING CANCER**
[54] **COMPOSE DE GLUTAMINE A ELEMENT A VALEUR DE Z ELEVEE POUR LE TRAITEMENT DU CANCER**
[72] SERRANO-OJEDA, PEDRO ANASTACIO, US
[71] SERRANO-OJEDA, PEDRO ANASTACIO, US
[85] 2018-03-21
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[51] **Int.Cl. A47K 10/02 (2006.01) D03D 27/08 (2006.01)**
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[54] **WOVEN TERRY FABRIC WITH CONTROLLED WEIGHT DISTRIBUTION AND ARTICLES MADE THEREFROM**
[54] **TISSU EPONGE TISSE AVEC REPARTITION DE POIDS CONTROLEE ET ARTICLES REALISES DANS CE TISSU**
[72] STEWART, RICHARD, US
[71] STANDARD TEXTILE CO., INC., US
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[54] **RADIAL MAGNETIC CYCLOID GEAR ASSEMBLIES, AND RELATED SYSTEMS AND METHODS**
[54] **ENSEMBLES ENGRENAGES CYCLOIDAUX MAGNETIQUES RADIAUX, ET SYSTEMES ET PROCEDES CORRESPONDANTS**
[72] DAVEY, KENT R., US
[72] SEYFFERT, KENNETH, US
[72] SWIONTEK, CLIFF A., US
[72] DUGGAN, TIM, US
[72] MONTGOMERY, TIMOTHY, US
[71] NATIONAL OILWELL VARCO, L.P., US
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[54] **FIVE-BEVEL CANNULA FOR BLOOD ACQUISITION DEVICES**
[54] **CANULE A CINQ BISEAUX POUR DISPOSITIFS DE PRELEVEMENT SANGUIN**
[72] WOO, MATTHEW SIANG SI, SG
[72] ATTRI, RAVI, US
[72] NAIR, ARUN U., US
[72] YOO, BO YON LILLIAN, US
[71] BECTON, DICKINSON AND COMPANY, US
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[54] **DECOUVERTE DE DEPLOIEMENT DE CRYPTAGE**
[72] THUNUGUNTLA, ARAVIND BABU, IN
[72] MENTZELL, JONATHAN BRANT, US
[72] SMITH, JAMES M., US
[72] BRAND, JOSEPH, US
[71] FORNETIX LLC, US
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[54] **INFILTRATED SEGREGATED FERROUS MATERIALS**
[54] **MATERIAUX FERREUX SEPARES INFILTRES**
[72] TUFFILE, CHARLES D., US
[72] LEMKE, HARALD, US
[72] MACK, PATRICK E., US
[71] THE NANOSTEEL COMPANY, INC., US
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[25] EN
[54] **USING ELECTRO ACOUSTIC TECHNOLOGY TO DETERMINE ANNULUS PRESSURE**
[54] **UTILISATION D'UNE TECHNOLOGIE ELECTRO-ACOUSTIQUE POUR DETERMINER UNE PRESSION D'ESPACE ANNULAIRE**
[72] JAASKELAINEN, MIKKO, US
[72] THERRIEN, JASON EDWARD, US
[72] BENJAMIN, SELDON DAVID, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **ENCRES DE SECURITE A POINTS QUANTIQUES**
[72] MCDANIEL, HUNTER, US
[71] UBIQD, LLC, US
[85] 2018-03-21
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[54] **KIT AND METHOD FOR REDUCED RADIATION PROCEDURES**
[54] **TROUSSE ET PROCEDE POUR PROCEDURES DE RAYONNEMENT REDUIT**
[72] BALDWIN, DALTON DUANE, US
[71] FACULTY PHYSICIANS AND SURGEONS OF LOMA LINDA UNIVERSITY SCHOOL OF MEDICINE, US
[85] 2018-03-21
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[51] **Int.Cl. H01M 8/1004 (2016.01) H01M 8/0247 (2016.01) H01M 8/0273 (2016.01) H01M 8/0284 (2016.01) C25B 9/06 (2006.01) C25B 9/08 (2006.01) H01M 14/00 (2006.01)**
[25] EN
[54] **BIPOLAR PLATE WITH FORCE CONCENTRATOR PATTERN**
[54] **PLAQUE BIPOLAIRE A MOTIF CONCENTRATEUR DE FORCE**
[72] VAN BOEYEN, ROGER, US
[71] NUVERA FUEL CELLS, LLC, US
[85] 2018-03-21
[86] 2016-09-20 (PCT/US2016/052634)
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[30] US (62/221,276) 2015-09-21

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[51] **Int.Cl. A61K 49/04 (2006.01) A61K 51/04 (2006.01)**
[25] EN
[54] **MEDICAL DEVICES INTEGRATING CATIONIC STEROIDAL ANTIMICROBIAL COMPOUNDS**
[54] **DISPOSITIFS MEDICAUX INTEGRANT DES COMPOSES ANTIMICROBIENS STEROIDIENS CATIONIQUES**
[72] GENBERG, CARL, US
[72] SAVAGE, PAUL B., US
[72] BRACKEN, RONALD L., US
[71] BRIGHAM YOUNG UNIVERSITY, US
[85] 2018-03-21
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[54] **FILTRE A AIR EXPANSIBLE**
[72] GREGERSON, GLEN O., US
[72] CHESNUT, LAURA C., US
[72] SCHREPPEL, DANIELLE M., US
[72] SANOCKI, STEPHEN M., US
[72] ZHANG, ZHIQUN, US
[72] THOMPSON, CRAIG D., US
[72] PRINCE, DAVID J., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
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[51] **Int.Cl. A61B 3/08 (2006.01)**
[25] EN
[54] **METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR DETERMINING OBJECT DISTANCES AND TARGET DIMENSIONS USING LIGHT EMITTERS**
[54] **PROCEDES, SYSTEMES ET PRODUITS DE PROGRAMME INFORMATIQUE POUR DETERMINER DES DISTANCES D'OBJET ET DES DIMENSIONS DE CIBLE AU MOYEN D'EMETTEURS DE LUMIERE**
[72] CHEN, CHENG, US
[72] PENG, ZHIYONG, US
[72] JACOBS, KENNETH MICHAEL, US
[72] FERGUSON, T. BRUCE, JR., US
[71] EAST CAROLINA UNIVERSITY, US
[85] 2018-03-21
[86] 2016-09-21 (PCT/US2016/052788)
[87] (WO2017/053368)
[30] US (62/222,273) 2015-09-23

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[51] **Int.Cl. B64C 39/02 (2006.01) B64D 1/00 (2006.01) B64D 1/02 (2006.01) B64D 1/12 (2006.01) B64D 47/00 (2006.01)**
[25] EN
[54] **PACKAGE RELEASE SYSTEM FOR USE IN DELIVERY PACKAGES, AND METHODS OF DELIVERING PACKAGES**
[54] **SYSTEME DE LIBERATION DE COLIS POUR UTILISATION DANS LA LIVRAISON DE COLIS, ET PROCEDES DE LIVRAISON DE COLIS**
[72] JONES, NATHAN G., US
[72] HICKS, GREGORY A., US
[72] HIGH, DONALD R., US
[71] WALMART APOLLO, LLC, US
[85] 2018-03-21
[86] 2016-09-21 (PCT/US2016/052830)
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[51] **Int.Cl. A63F 9/24 (2006.01)**
[25] EN
[54] **MISSION-BASED, GAME-IMPLEMENTED CYBER TRAINING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE CYBERAPPRENTISSAGE MIS EN □UVRE PAR UN JEU, BASE SUR UNE MISSION**
[72] MORTON, GARY D., US
[72] MIHELIC, MARK, US
[72] MONIZ, MICHAEL, US
[72] THORNTON, PAUL R., US
[72] PRESSLEY, RYAN, US
[72] LEE, LAURA, US
[71] CIRCADENCE CORPORATION, US
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[30] US (62/232,423) 2015-09-24

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[25] EN
[54] **A DUAL PORT TUBE FOR SUCTION AND FEEDING SYSTEM, METHOD, AND APPARATUS**
[54] **TUBE A DEUX ORIFICES POUR SYSTEME, PROCEDE ET APPAREIL D'ASPIRATION ET D'ALIMENTATION**
[72] NORDQUIST, JEFFREY S., US
[72] KOELPER, CRYSTAL, US
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[54] **SURVEILLANCE A DISTANCE DE SYSTEME DE DISTRIBUTION D'EAU**
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[72] VORE, MIKE, US
[72] MORROW, BRIAN, US
[72] KITOWSKI, CHARLES, US
[72] COPELAND, DANIEL, US
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[54] **THERAPIES COMBINEES A DES INHIBITEURS DE PRODUCTION DE GLUCOSE**
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[71] VIKING THERAPEUTICS, US
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[54] **PROCEDES ET APPAREILS POUR LA PRODUCTION DE BUTADIENE**
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[72] LUEBKE, CHARLES P., US
[72] MAAT, CLIFFORD A., US
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[54] **ROUTE EN COMPOSITE DE BOIS D'INGENIERIE MODULAIRE**
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[54] **METHOD OF REDIRECTING T CELLS TO TREAT HIV INFECTION**
[54] **METHODE DE REACHEMINEMENT DE LYMPHOCYTES T POUR LE TRAITEMENT D'UNE INFECTION PAR LE VIH**
[72] RILEY, JAMES L., US
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[71] ALLSTATE INSURANCE COMPANY, US
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[54] **UTILISATION D'EXONUCLEASES POUR AMELIORER L'EDITION DE GENOME A MEDIATION PAR CRISPR/CAS**
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[54] **SYSTEMES ET DISPOSITIFS POUR COMMANDER ET SURVEILLER DES APPLICATIONS LIQUIDES DE CHAMPS AGRICOLES**
[72] SCHLIPF, BEN, US
[72] WIEGAND, BRENT, US
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[54] **SYSTEME ET PROCEDE DE MESURE DE PRESSION ET D'EXTRACTION DE FLUIDE DEPUIS L'ARRIERE D'UNE BRIDE D'UNE CANALISATION**
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[54] **PROCEDE DE SELECTION D'AGENTS POUR DIFFERENCIER DES CELLULES SOUCHES**
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[72] MOE, SCOTT, US
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[54] **TAPIS DE COUPE ET LEURS PROCEDES DE FABRICATION**
[72] WORKMAN, ROBERT R., US
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[72] PEHAR, DAVID MICHAEL, US
[72] JACKSON, TREVOR L., US
[72] ALLEN, ROBERT CRAIG, US
[72] VITANTONIO, MARC LOUIS, US
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[54] **SELS CRISTALLINS DE NALOXONE ET DE NALTREXONE**
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[72] BARBIER, REMI, US
[72] FRIEDMANN, NADAV, US
[72] SRIRAMBHATLA, VIJAY, GB
[72] WATT, STEPHEN, GB
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[54] **COMPOSITIONS ET METHODES POUR PREVENIR ET TRAITER L'OPACITE ET LA CICATRISATION CORNEENNES**
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[72] DANA, REZA, US
[71] THE SCHEPENS EYE RESEARCH INSTITUTE, INC., US
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[54] **COURROIE DE CONVOYEUR A TOILE AVEC PIECE RAPPORTEE EN CAOUTCHOUC A L'INTERIEUR DES TASSEAUX POUR PROLONGER LA DURABILITE DE LA COURROIE ET REDUIRE UNE TIGE EN FIBRE DE VERRE**
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[72] ECHTENKAMP, ALAN, US
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[54] **COMPOSES ET COMBINAISONS POUR LE TRAITEMENT DU VIH**
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[72] CIHLAR, TOMAS, US
[72] STEPAN, GEORGE, US
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[54] **COMBINATION THERAPY OF BROMODOMAIN INHIBITORS AND CHECKPOINT BLOCKADE**
[54] **POLYTHERAPIE PAR INHIBITEURS DE BROMODOMAINE ET BLOCAGE DE POINT DE CONTROLE**
[72] BRADNER, JAMES E., US
[72] HOGG, SIMON JOHN, AU
[72] JOHNSTON, RICKY WAYNE, AU
[72] SHORTT, JAKE, AU
[71] DANA-FARBER CANCER INSTITUTE, INC., US
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[54] **BLIND SLIDE-MOUNT FASTENER ALIGNMENT APPARATUS, KIT AND METHOD**
[54] **APPAREIL, KIT ET PROCEDE D'ALIGNEMENT D'ELEMENTS DE FIXATION POUR MONTAGE COULISSANT A L'AVEUGLE**
[72] WEITSMAN, KEVIN L., US
[71] CW CONSULTING ASSOCIATES, LLC, US
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[54] **POTENTIALISATEURS CFTR DEUTERES**
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[71] VERTEX PHARMACEUTICALS (EUROPE) LIMITED, GB
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[54] **ORAL CARE IMPLEMENT**
[54] **INSTRUMENT DE SOINS BUCCAUX**
[72] MOSKOVICH, ROBERT, US
[71] COLGATE-PALMOLIVE COMPANY, US
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[54] **ISOLEMENT ET DETECTION DE CELLULES RARES SANS FORCE CENTRIFUGE**
[72] SAVRAN, CAGRI A., US
[72] CHANG, CHUN-LI, US
[72] HUANG, WANFENG, US
[71] PURDUE RESEARCH FOUNDATION, US
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[54] **A DEVICE TO PREVENT EXCESSIVE LEAKS IN A PIPELINE SUBMERSED UNDERWATER OR LAND BASED**
[54] **UN DISPOSITIF SERVANT A PREVENIR LES FUITES EXCESSIVES DANS UN PIPELINE IMMERGE DANS L'EAU OU INSTALLE SUR LE TERRAIN**
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[54] **GRAVEL BOXES, CONTAINERS WITH ROLLING ROOFS, AND RELATED METHODS**
[54] **BOITES DE GRAVIER, CONTENANT A TOITS ROULANTS ET METHODES ASSOCIEES**
[72] HAAG, LINDSAY, CA
[72] GUENTER, KONSTANTIN, CA
[72] NEUFELD, CORNELIO, CA
[72] DIACHUK, JOHN, CA
[72] GUENTER, DANIEL, CA
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[54] **METHOD AND SYSTEM FOR DYNAMICALLY POSITIONING, VIEWING AND SHARING LOCATION BASED MIXED REALITY CONTENT**
[54] **METHODE ET SYSTEME DE POSITIONNEMENT DYNAMIQUE, AFFICHAGE ET PARTAGE D'EMPLACEMENT FONDES SUR UN CONTENU DE REALITE MIXTE**
[72] KRISHNA, SRINIVAS, CA
[72] MILLS, DANIEL CHANTAL, CA
[72] SIDHDHARTHKUMAR, PATEL, CA
[72] THOMAS, LAURA BETH, CA
[72] JAKHU, PAVAN, CA
[72] ROSALES, EDWARD ALBERT, CA
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[72] SPRACKLIN, TROY, CA
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[54] **A SIDE WALL ASSEMBLY FOR A MODULAR SHIPPING CONTAINER**
[54] **UN ASSEMBLAGE DE PAROI LATERALE DESTINE A UN CONTENANT D'EXPEDITION MODULAIRE**
[72] FENNEMAN, MITCH, US
[72] HATCHER, NICK, US
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[54] **A BASE FOR A MODULAR SHIPPING CONTAINER**
[54] **UNE BASE DESTINEE A UN CONTENANT D'EXPEDITION MODULAIRE**
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[25] EN
[54] **PARCEL DELAYERING SYSTEMS AND METHODS FOR AUTOMATIC PARCEL PROCESSING BASED ON ACCURATE DE-LAYERING**
[54] **SYSTEMES DE DESEMPILEMENT DE COLIS ET METHODE DE TRAITEMENT AUTOMATIQUE DE COLIS FONDEE SUR UN DESEMPILEMENT PRECIS**
[72] DWIVEDI, RAJEEV, US
[72] YAKLIN, MICHAEL, US
[72] ZHU, JOCELYN, US
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[54] **METHODS AND COMPOSITIONS FOR INTRANASAL DELIVERY**
[54] **PROCEDES ET COMPOSITIONS POUR ADMINISTRATION INTRANASALE**
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[72] COOPER, LAURENCE J. N., US
[72] GREGORY, PHILIP D., US
[72] HOLMES, MICHAEL C., US
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[72] REBAR, EDWARD J., US
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[54] **SAPONINES TRITERPENIQUES, PROCEDES DE SYNTHESE ET UTILISATIONS DE CELLES-CI**
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[72] ADAMS, MICHELLE, US
[72] DENG, KAI, US
[72] PERL, NICHOLAS, US
[72] WON, ANNIE, US
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[54] **MICRO-ORGANISMES PRODUISANT DE L'ACIDE EICOSAPENTAENOIQUE, COMPOSITIONS D'ACIDES GRAS ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] APT, KIRK E., US
[72] BEHRENS, PAUL WARREN, US
[72] HANSEN, JON MILTON, US
[72] PFEIFER, JOSEPH W., III, US
[72] STAHL, TRACEY LYNN, US
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[54] **ANTICORPS ANTI-IL-6 ET LEUR UTILISATION**
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[72] JENSEN, ANNE ELISABETH CARVALHO, US
[72] OLSON, KATIE, US
[72] DUTZAR, BEN, US
[72] OJALA, ETHAN, US
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[72] ROMMENS, CAIUS, US
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[54] **PROTHESE FEMORALE A RAINURE ROTULIENNE**
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[72] HENDERSON, ADAM, CH
[71] ZIMMER GMBH, CH
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[72] MALENKE, MARK E., US
[72] NEHLS, AMY LYNN, US
[72] TILAHUN, MULUKEN, US
[72] KUSMIDER, EDWARD A., US
[72] GIANNETTINO, CARRIE K., US
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[71] IONIS PHARMACEUTICALS, INC., US
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[54] **APPAREIL TRANCHEUR DE PRODUIT ALIMENTAIRE**
[72] FOX, GAGE A., US
[72] PRYOR, GLEN F., US
[72] GARCIA-PEREZ, FERNANDO, US
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[72] CHRISTENSEN, SIGNE M., DK
[72] MIKKELSEN, NIKOLAJ DAM, DK
[72] FRIEDEN, MIRIAM, DK
[72] HANSEN, HENRIK FRYDENLUND, DK
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[54] **METHODE ET DISPOSITIF PERMETTANT DE DISTRIBUER UNE QUANTITE PREDETERMINEE DE FILM PAR RAPPORT A LA SANGLE DE LA CHARGE**
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[72] THEISINGER, BASTIAN, DE
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[72] SCHERER, DIETER, CH
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[72] WILLIAMS, BRUCE L., US
[72] SELLERS, GREGORY S., US
[71] WONDERLAND NURSERYGOODS COMPANY LIMITED, HK
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[54] **DISPOSITIF ET SYSTEME DE FOURNITURE D'ENERGIE HYPERFREQUENCE**
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[72] LADTKOW, CASEY M., US
[72] PETERSON, DARION R., US
[72] LARSON, ERIC W., US
[72] DICKHANS, WILLIAM J., US
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[72] CASE, JASON A., US
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[54] **CORRECTION MULTIFOCALE ASSURANT UNE QUALITE AMELIOREE DE LA VISION**
[72] BRADLEY, ARTHUR, US
[72] KOLLBAUM, PETE S., US
[72] THIBOS, LARRY N., US
[71] BRADLEY, ARTHUR, US
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[54] **PROCESSEUR AUDIO ET PROCEDE DE TRAITEMENT D'UN SIGNAL AUDIO AU MOYEN D'UNE CORRECTION DE PHASE HORIZONTALE**
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[72] LAITINEN, MIKKO-VILLE, FI
[72] PULKKI, VILLE, FI
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[54] **SYSTEME ET PROCEDE POUR UNE DETECTION ET UNE CARACTERISATION DE LA CIRCULATION A OBJECTIFS MULTIPLES**
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[72] GIDEL, SAMUEL, CA
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[72] CHOI, JUNG SUN, KR
[72] KIM, KYUNG NAM, KR
[72] SHIM, MIN KYUNG, KR
[72] CHOI, KYUNG HO, KR
[72] CHOI, YEONG JIN, KR
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[71] HOVAL AKTIENGESELLSCHAFT, LI
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[72] BEHLING, JIM, US
[72] DOUGAN, CHRISTINE HENDERSON, GB
[72] WATT, STEPHEN WILLIAM, GB
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[71] OCERA THERAPEUTICS, INC., US
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[54] **ENTREE D'AIR A COMPRESSION ISENTROPIQUE POUR AVION SUPERSONIQUE**
[72] HENNE, PRESTON A., US
[72] CONNORS, TIMOTHY R., US
[72] HOWE, DONALD C., US
[71] GULFSTREAM AEROSPACE CORPORATION, US
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[54] **TRAITEMENT ADAPTATIF EN RAPPORT AVEC UNE PLURALITE DE NOEUDS DE TRAITEMENT DE DONNEES MULTIMEDIAS**
[72] RIEDMILLER, JEFFREY, US
[72] RADHAKRISHNAN, REGUNATHAN, US
[72] PRIBADI, MARVIN, US
[72] FARAHANI, FARHAD, AU
[72] SMITHERS, MICHAEL, AU
[71] DOLBY LABORATORIES LICENSING CORPORATION, US
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[54] **SYSTEMES, PROCEDES ET DISPOSITIFS DE BOITE D'UN PATIENT**
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[72] CARTRIGHT, JENNIFER, US
[72] CALDWELL, RICHARD, US
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