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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
[52] - Domestic Classification
[54] - Title of Invention
[60] - Related by Supplementary Disclosure
[62] - Related by Division
[64] - Related by Reissue
[71] - Name(s) of Applicant(s)
[72] - Name(s) of Inventor(s)
[73] - Name(s) of Grantee(s)
[85] - National Entry Date
[86] - PCT International Filing Data
[87] - PCT International Publication data

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

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 February 19, 2019

1. Transmittal Fee (Rule 14)	**$300**
2. International Filing Fee	**$1730***
For each additional sheet over 30	**$20**
3. International Search Fee	**$1600**

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

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

11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 19 février 2019

1. Taxe de transmission (Règle 14)	**300 $**
2. Taxe de dépôt internationale	**1730 $***
Pour chaque feuille au delà de 30	**20 $**
3. Taxe de recherche internationale	**1600 $**

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

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

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*)) **$260**

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

* International fees will be reduced by:

- **$260** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **$390** 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*)) **260 $**

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

* Les frais seront réduits de:

- **260 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **390 $** 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

The correspondence procedures and the related practice for written communications to the Commissioner of Patents and the Patent Office under the Patent Act and the Patent Rules is outlined in Chapter 2 of the Manual of Patent Office Practice (MOPOP).

Web Link for MOPOP:
http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/h_wr00720.html

The correspondence procedures and the related practice of written communications with respect to Trademarks and to Industrial Design can be found in the Practice Notice entitled *Correspondence Procedures*, available on CIPO's website.

CIPO Web Link for correspondence procedures pertaining to Trademarks and Industrial Design:
https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/wr00633.html

Publication date: May 10, 2017
Amendment date: June 17, 2019

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14. Procédures de correspondance

Les procédures de correspondance et les pratiques connexes de communication écrite au commissaire aux brevets ou au Bureau des brevets en vertu de la Loi sur les brevets et des Règles sur les brevets seront exposées dans le chapitre 2 du Recueil des pratiques du Bureau des brevets (RPBB).

Lien Web pour le RPBB :
http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/h_wr00720.html

Les procédures de correspondance et les pratiques connexes de communication écrite concernant les marques de commerce et les dessins industriels se trouvent dans le document intitulé *Procédures de correspondance*, consultable sur le site Web de l'OPIC.

Lien Web de l'OPIC pour les procédures de correspondance relatives aux marques de commerce et aux dessins industriels :
https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/wr00633.html

Date de publication : 10 mai 2017
Date de modification : 17 juin 2019

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7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec l'Office
8. Lois, règles et règlements sur la propriété intellectuelle

This notice is intended to clarify the practice of the Canadian Intellectual Property Office with respect to correspondence procedures and written communications and replaces all previous notices.

Le présent énoncé de pratique a pour but de préciser la pratique de l'Office de la propriété intellectuelle du Canada relativement aux procédures de correspondance et de communications écrites et remplace tout avis antérieur.

1. Physical Delivery of Correspondence and Written Communications to CIPO

For the purposes of sections 5 and 54 of the Patent Rules, subsection 10(1) of the Trademarks Regulations, section 2 of the Copyright Regulations, section 4 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography Regulations, the address of the Patent Office, the Office of the Registrar of Trademarks, the Copyright Office, the Industrial Design Office, 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

In accordance with subsections 5(2), 5(3), 54(1) and 54(2) of the Patent Rules, subsection 10(2) of the Trademarks Regulations, subsections 2(2) and (3) of the Copyright Regulations, subsection 5(1) of the Industrial Design Regulations and subsections 3(2) and (3) of the Integrated Circuit Topography Regulations, correspondence and written communications delivered to the above address between 8:30 a.m. to 4:30 p.m. (Eastern Time) Monday to Friday is deemed to have been received on the actual date of their delivery if they are delivered when CIPO is open to the public.

Correspondence delivered at a time when CIPO is closed to the public will be deemed or considered to have been received on the day on which CIPO is next open to the public.

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

1. Remise physique de correspondance et communications écrites à l'OPIC

Pour l'application des articles 5 et 54 des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, de l'article 2 du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et de l'article 3 du Règlement sur les topographies de circuits intégrés, l'adresse du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, du Bureau des dessins industriels, 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

Conformément aux paragraphes 5(2), 5(3), 54(1) et 54(2) des Règles sur les brevets, du paragraphe 10(2) du Règlement sur les marques de commerce, des paragraphes 2(2) et (3) du Règlement sur le droit d'auteur, du paragraphe 5(1) du Règlement sur les dessins industriels et des paragraphes 3(2) et (3) du Règlement sur les topographies de circuits intégrés, la correspondance et les communications écrites ayant été remises à l'adresse ci-dessus entre 8h30 et 16h30 (Heure de l'Est) du lundi au vendredi seront réputées avoir été reçues le jour de leur remise, si elles sont remises alors que l'OPIC est ouvert au public.

La correspondance remise lorsque les bureaux de l'OPIC sont fermés au public sera réputée avoir été reçue le jour de la réouverture de l'OPIC au public.

Veuillez prendre note qu'une fois que l'OPIC reçoit de la correspondance, celle-ci ne peut pas être retournée 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 qui ne rencontre pas les 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 des frais devrait toujours être

to CIPO that contains financial information, such as credit card numbers.

Download the Fee Payment Form.

fourni 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 paiement des frais.

1.1 Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 10(1) of the Trademarks Regulations, subsection 2(4) of the Copyright Regulations, section 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 Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be delivered **in person**. Please note that documents, payments and payment instructions delivered to the addresses listed below **must be enclosed in a sealed envelope** and that **no in person payment transactions** are processed on site. The ordinary business hours for each designated establishment are listed below.

- 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, except statutory holidays

- Innovation, Science and Economic Development Canada
  Sun Life Building
  1155 Metcalfe Street, Room 950
  Montreal QC H3B 2V6
  Tel.: 514-496-1797
  Toll-free: 1-888-237-3037

  8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays

- 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,

1.1 Établissements désignés

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) 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, au Bureau des dessins industriels ou au registraire des topographies peut être remise **en personne** aux établissements ou bureaux désignés suivants. Veuillez prendre note que les documents, paiements et instructions de paiements remis aux adresses énumérées ci-dessous doivent être **inclus dans une enveloppe scellée** et qu'**aucune transaction de paiement en personne** n'est traitée sur place. Les heures normales d'ouverture pour chaque établissement désigné sont indiquées ci-dessous.

- 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, à l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada
  Édifice Sun Life
  1155, rue Metcalfe, bureau 950
  Montréal (Québec) H3B 2V6
  Tél. : 514-496-1797
  Sans frais : 1-888-237-3037

  8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

- 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, à

except statutory holiday

- 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, except statutory holidays

- 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, except statutory holidays

l'exception des jours fériés

- 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, à l'exception des jours fériés

- 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, à l'exception des jours fériés

In accordance with subsections 5(4), 5(5), 54(3) and 54(4) of the Patent Rules, subsection 10(3) of the Trademarks Regulations, subsections 2(4) and (5) of the Copyright Regulations, subsection 5(2) of the Industrial Design Regulations and subsections 3(4) and (5) of the Integrated Circuit Topography Regulations, correspondence delivered to a designated establishment on a day when CIPO is open to the public will be deemed or considered to be received on the day on which they are delivered to that designated establishment. If CIPO is closed to the public, correspondence will be deemed or considered to be received on the day on which CIPO is next open to the public. For example, if correspondence intended for CIPO is delivered to the designated establishment in Toronto on June 24, it will not be considered to be received on June 24 as CIPO is closed on that day (St-Jean-Baptiste Holiday in Quebec). It will be deemed received on the day on which CIPO is next open to the public.

Conformément aux paragraphes 5(4), 5(5), 54(3) et 54(4) des Règles sur les brevets, au paragraphe 10(3) du Règlement sur les marques de commerce, aux paragraphes 2(4) et (5) du Règlement sur le droit d'auteur, au paragraphe 5(2) du Règlement sur les dessins industriels et aux paragraphes 3(4) et (5) du Règlement sur les topographies de circuits intégrés, la correspondance remise à l'un des établissements désignés susmentionnés lorsque les bureaux de l'OPIC sont ouverts au public sera réputée ou considérée avoir été reçue le jour de leur remise à cet établissement désigné. Si les bureaux de l'OPIC sont fermés au public, la correspondance sera réputée ou considérée avoir été reçue à le jour de la réouverture de l'OPIC au public. Par exemple, la correspondance adressée à l'OPIC remise à l'établissement désigné de Toronto le 24 juin ne sera pas considérée avoir été reçue le 24 juin puisque les bureaux de l'OPIC sont fermés ce jour-là (la Saint-Jean Baptiste est un jour férié au Québec). La correspondance sera alors réputée avoir été reçue le jour de la réouverture des bureaux de l'OPIC au public.

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

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 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 établissements ou des

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

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

bureaux désignés auxquels la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise.

L'OPIC considère que la correspondance remise 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 de Postes Canada, en autant que l'OPIC soit ouvert au public ce jour-là. Si l'OPIC est fermé au public ce jour-là, la correspondance sera réputée ou considérée avoir été reçue le jour de réouverture de l'OPIC au public.

2. Electronic Correspondence

For the purposes of section 8.1 of the Patent Act, subsection 64(1) of the Trademarks Act, subsection 24.1(1) of the Industrial Design Act and in accordance with subsections 5(6), 54(5), and 68(3) of the Patent Rules, subsection 10(4) of the Trademarks Regulations, subsection 2(6) of the Copyright Regulations, subsection 10(3) 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 Trademarks, the Copyright Office, the Industrial Design 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 10(5) of the Trademarks Regulations specifies certain categories of correspondence to which the provisions of subsection 10(4) do not apply.

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

Correspondence delivered to the Commissioner of Patents 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

2. Correspondance électronique

Pour l'application de l'article 8.1 de la Loi sur les brevets, du paragraphe 64(1) de la Loi sur les marques de commerce, du paragraphe 24.1(1) de la Loi sur les dessins industriels, et conformément aux paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, au paragraphe 10(4) du Règlement sur les marques de commerce, au paragraphe 2(6) du Règlement sur le droit d'auteur, au paragraphe 10(3) du Règlement sur les dessins industriels et au 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, au Bureau des dessins industriels ou au registraire des topographies peut être transmise par télécopieur, en ligne ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent énoncé.

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 10(5) du Règlement sur les marques de commerce prévoit certaines catégories de correspondance auxquelles les dispositions du paragraphe 10(4) ne s'appliquent pas.

La correspondance envoyée par télécopieur ou en ligne au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies constitue une version originale. Par conséquent, un duplicata sur support papier ne devrait pas être expédié.

La correspondance livrée au commissaire aux brevets et reçue par voie électronique, y compris par télécopieur, est considérée comme ayant été reçue à l'OPIC le jour même de sa transmission, si elle est livrée avant minuit, heure locale,

open for business.

Correspondence delivered to the Registrar of Trademarks or the Industrial Design Office by electronic means of transmission, including facsimile, is deemed to have been received on the day on which CIPO receives it (Eastern Time).

lorsque les bureaux de l'OPIC sont ouverts au public. Si elle est transmise un jour où les bureaux de l'OPIC sont fermés au public, elle est considérée comme ayant été reçue à la date du jour d'ouverture suivant de l'OPIC.

La correspondance fournie au registraire des marques de commerce ou transmise au Bureau des dessins industriels par voie électronique, y compris par télécopieur, est réputée avoir été reçue le jour ou l'OPIC l'a reçue (Heure de l'Est).

2.1 Facsimile

Black and white facsimile correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be sent to the following facsimile numbers:

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

Colour facsimile correspondence addressed to the Registrar of Trademarks or the Industrial Design Office **must** be sent to the following facsimile number:

(819) 934-3833

Note that the model of facsimile is a Xerox C505/X and that this information may be needed to ensure a successful colour transmission.

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

Evidence submitted by facsimile in respect of an opposition or section 45 proceeding **will not be accepted** due to issues such as the often-poor quality of transmission, the risk of incomplete transmission and the voluminous nature of the documents.

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 by facsimile a document 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.

2.1 Correspondance par télécopieur

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

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

La correspondance en couleur par télécopieur (modèle **:** Xerox C505/X) adressée au registraire des marques de commerce ou au Bureau des dessins industriels doit être transmise au numéro ci-dessous :

(819) 934-3833

À noter que le modèle de télécopieur est un Xerox C505/X; information qui peut être nécessaire afin de compléter une transmission en couleur.

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 désignés, sera considérée comme n'ayant pas été reçue.

Les éléments de preuve présentés par télécopieur dans le cadre d'une procédure d'opposition ou de radiation en vertu de l'article 45 de la Loi **ne seront pas acceptés** en raison des inconvénients reliés à la mauvaise qualité de la transmission, au risque que la transmission soit incomplète et à la nature volumineuse de ces documents.

Le rapport de transmission électronique que vous recevrez après votre transmission 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'une interface de télécopie par ordinateur ou de services de télécopie par le biais d'internet étant donné les problèmes techniques probables avec la réception.

Lors de la transmission par télécopieur d'un document comprenant une demande d'acquittement de droit ou taxe, il faut clairement indiquer le mode de paiement préféré sur le formulaire de paiements des frais afin d'assurer un traitement rapide.

Patents

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

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.

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.

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

Brevets

Pour l'application du paragraphe 5(6) des Règles sur les brevets, la correspondance adressée au commissaire peut être envoyée par voie électronique, notamment en accédant aux 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 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 10(4) of the Trademarks Regulations, the following correspondence addressed to the Registrar of Trademarks may be sent electronically by

Marques de commerce

Pour l'application du paragraphe 10(4) du Règlement sur les marques de commerce, la correspondance adressée au registraire des marques de commerce peut être envoyés par voie électronique, notamment en accédant aux pages suivantes

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;
- registration of a trademark application;

For the purpose of subsection 10(4) of the Trademarks Regulations, correspondence addressed to the Registrar of Trademarks in the context of opposition and section 45 proceedings may be sent electronically by accessing the Trademarks Opposition Board's online web application:

Opposition proceedings before the Trademarks Opposition Board

- filing a statement of opposition;
- filing of a counter statement;
- submission of the opponent's evidence, or statement;
- submission of the applicant's evidence, or statement;
- submission of the opponent's reply evidence;
- submission of the opponent's written representations, or statement;
- submission of the applicant's written representations, or statement;
- filing a request for a hearing; and
- requesting an extension of time.

Section 45 proceedings before the Trademarks Opposition Board

- filing a request for a section 45 notice;
- submission of the registered owner's evidence;
- submission of the requesting party's written representations, or statement;
- submission of the registered owner's written representations, or statement;
- filing a request for a hearing; and
- requesting an extension of time.

:

- 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,
- l'enregistrement d'une marque de commerce

Pour l'application du paragraphe 10(4) du Règlement sur les marques de commerce, la correspondance adressée au registraire des marques de commerce dans le cadre des procédures d'opposition ou de radiation en vertu de l'article 45 peut être envoyée par voie électronique en accédant à l'application web en ligne de la Commission des oppositions des marques de commerce.

Procédures d'opposition devant la Commission des oppositions des marques de commerce

- production d'une déclaration d'opposition;
- Production d'une contre-déclaration d'opposition;
- Production de la preuve de l'opposant, ou d'une déclaration;
- Production de la preuve du requérant, ou d'une déclaration;
- Production de la contre-preuve de l'opposant;
- Production des arguments écrits de l'opposant, ou déclarations;
- Soumission des arguments écrits du requérant, ou déclarations;
- Produire une demande pour une audience; et
- demande de prolongation de délai.

Procédures en vertu de l'article 45 devant la Commission des oppositions des marques de commerce

- Production d'une demande pour un avis en vertu de l'article 45;
- Production de la preuve du propriétaire inscrit;
- Production des arguments écrits de la demanderesse, ou déclaration;
- Production des arguments écrits du propriétaire inscrit, ou déclaration;
- Produire une demande pour une audience; et
- Demande de prolongation de délai.

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 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.

Pour l'application 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, notamment en accédant 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;
- 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 24.1(1) of the Industrial Design Act, the following correspondence addressed to the Industrial Design Office 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

Pour l'application du paragraphe 24.1(1) de la Loi sur les dessins industriels, la correspondance indiquée ci-dessous qui est adressée au Bureau des dessins industriels peut être transmise par voie électronique, notamment en accédant 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

Pour l'application 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, notamment en accédant aux pages suivantes :

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

Note: all electronic media must be free of worms, viruses or other malicious content. Files with malicious content will be deleted.

2.3 Supports électroniques

Note : Les supports électroniques doivent être exempts de ver informatique, de virus, ou de tout autre contenu malveillant. Les fichiers qui comprennent du contenu malveillant seront supprimés.

Brevets

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 application itself or amendment(s) thereof.

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 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

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.

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.

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 the PCT Administration Instructions.

Trademarks and Industrial Design

The Office of the Registrar of Trademarks and the Industrial Design Office will accept the following types of electronic media: CD-ROM, CD-R, DVD, DVD-R, and USB stick.

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

Le Bureau du registraire des marques de commerce et le Bureau des dessins industriels acceptent les supports électroniques suivants : CD ROM, CD-R, DVD, DVD-R, et clé USB.

3. Details Concerning the Electronic Formats Accepted

Patents

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, the acceptable file formats for documents submitted electronically site 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

3. Précisions concernant les formats électroniques acceptés

Brevets

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à l'article 2.2 des présentes 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.

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.

ASCII

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

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

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

Trademarks

For the purposes of subsection 64(1) of the Trademarks Act, the acceptable file formats for documents submitted electronically using the relevant links set out in section 2.2 of these correspondence procedures are: PNG, TIFF, JPEG, GIF, MP3, MP4, PDF, BMP and Doc.

Industrial Design

For the purposes of subsection 24.1(1) of the Industrial Design Act, the acceptable file formats for documents, other than a representation of a design, submitted electronically are WPD, DOC, DOCX and PDF. The acceptable file formats for the representation of a design are PDF, JPEG, TIFF and GIF. The file size limit is of 60MB for PDF, 10MB for the other file formats. The scanned/stored images should be of a resolution of at least 300 dpi and the dimensions must be of 21.59 cm by 27.94 cm (8.5 in by 11 in).

Note that the conversion of files to an acceptable format may result in a change to the quality of the drawings.

Marques de commerce

Pour l'application du paragraphe 64(1) de la Loi sur les marques de commerce, les formats de fichiers acceptables pour les documents fournis par un moyen électronique énoncé à la section 2.2 des présentes procédures de correspondance sont : PNG, TIFF, JPEG, GIF, MP3, MP4, PDF, BMP et Doc.

Dessins industriels

Pour l'application du paragraphe 24.1(1) de la Loi sur les dessins industriels, les formats de fichiers acceptables pour les documents autres que la représentation d'un dessin, transmis par voie électronique sont : WPD, DOC, DOCX, PDF. Les formats de fichiers acceptables pour la représentation d'un dessin sont PDF, JPEG, TIFF, et GIF. La taille maximale est de 60MB pour le format PDF et de 10MB pour tout autre format. L'image numérisée/stockée devrait être dans une résolution d'au moins 300 dpi et les dimensions doivent être de 21,59 cm par 27,94 cm (8,5 po par 11po)

Veuillez noter que la conversion de fichiers vers un format acceptable pourrait résulter en un changement à la qualité des dessins.

4. General Information

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

4. Renseignements généraux

Des renseignements généraux peuvent être obtenus en communiquant avec le Centre de services à la clientèle de l'OPIC.

5. Time Period Extensions

- Time period extensions under the Patent, Trademarks and Industrial Design Acts
- Time period extensions under the Copyright and Integrated Circuit Topography Acts
- Time period extensions under the Patent Cooperation Treaty
- Time period extensions under the Madrid Protocol and the Hague Agreement

5. Prorogation des délais

- Prorogation des délais en vertu des les Lois sur les brevets, les marques de commerce, et les dessins industriels
- Prorogation des délais en vertu des les Lois sur le droit d'auteur et les topographies de circuits intégrés
- Prorogation des délais en vertu du le Traité de coopération en matière de brevets
- Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye

Time period extensions under the Patent, Trademarks and Industrial Design Acts

For the purposes of subsection 78(1) of the Patent Act, subsection 66(1) of the Trademarks Act, and subsection 21(1) of the Industrial Design Act, any time period fixed under those Acts and ending on 1) a **prescribed day** set out in the list below or 2) a **designated day** on account of unforeseen circumstances, will be extended to the next day that is not a prescribed day or a designated day and where CIPO is open to the public.

Designated days are those days that are designated by the Commissioner, the Registrar, or the Minister, on account of unforeseen circumstances and if they are satisfied that it is in the public interest to do so. If a day is designated, the public will be informed of that fact on CIPO's website.

Prescribed days under the Patent Act, Trademarks Act and Industrial Design Act are as follows:

- Every Saturday and Sunday;
- New Year's Day (January 1)*;
- Good Friday;
- Easter Monday;
- Victoria Day: First Monday immediately preceding May 25;
- St. Jean Baptiste Day (June 24)*;
- Canada Day (July 1)*;
- The first Monday in August;***
- Labour Day: First Monday in September;
- Thanksgiving Day: Second Monday in October;

Prorogation des délais prévus par les Lois sur les brevets, les marques de commerce, et les dessins industriels

Pour l'application du paragraphe 78(1) de la Loi sur les brevets, du paragraphe 66(1) de la Loi sur les marques de commerce, et du paragraphe 21(1) de la Loi sur les dessins industriels, tout délai fixé sous le régime de ces lois et qui expire 1) un **jour prescrit ou règlementaire** tel qu'indiqué dans la liste ci-dessous, ou 2) un **jour désigné** en raison de circonstances imprévues, sera prorogé jusqu'au jour suivant qui n'est ni un jour prescrit ni un jour désigné et où l'OPIC est ouvert au public.

Les **jours désignés** sont les jours désignés par le commissaire, le registraire, ou le ministre, où, en raison de circonstances imprévues, s'il est dans l'intérêt public de le faire. Si un jour est désigné, le public en sera informé sur le site web de l'OPIC.

Les **jours prescrits ou règlementaires** en vertu de la Loi sur les brevets, de la Loi sur les marques de commerce et de la Loi sur les dessins industriels sont les suivants :

- Tous les samedis et dimanches;
- Nouvel An (1er janvier)*;
- Vendredi Saint;
- Lundi de Pâques;
- Fête de la Reine ou Journée nationale des patriotes : Premier lundi immédiatement avant le 25 mai;
- Saint-Jean-Baptiste (24 juin)*;
- Fête du Canada (1er juillet)*;
- Le premier lundi du mois d'août***;
- Fête du travail : Premier lundi du mois de septembre;

- Remembrance Day (November 11)*;
- Christmas Day (December 25)**;
- Boxing Day (December 26)** ;
- Any day on which CIPO is closed to the public for all or part of that day during ordinary business hours.

*In the case of New Year's Day, St. Jean Baptiste Day, Canada Day and Remembrance Day, if the day falls on a Saturday or Sunday, deadlines will be extended to the following Tuesday.

**If December 25 falls on a Friday, deadlines will be extended to the following Tuesday. If December 25 falls on a Saturday or Sunday, any time periods ending on December 25 or December 26 will be extended to the following Wednesday.

***Please note that the Office is open to the public on the first Monday in August. Any time period which expires on that day will be extended to the next day the Office is open to the public (first Tuesday in August). However, any correspondence or fees submitted to the Office on that day will be deemed or considered received on that day.

Extensions for prescribed days occur regardless of place of residence or of the establishment to which documents are delivered.

Please be aware that not all provincial and territorial holidays are days where deadlines are extended. It is recommended that clients be mindful and ensure that all deadlines are respected.

- Action de Grâce : Deuxième lundi du mois d'octobre;
- Jour du Souvenir (11 novembre)*;
- Jour de Noël (25 décembre)**;
- Lendemain de Noël** ;
- Tout jour où l'OPIC est fermé au public pendant tout ou une partie des heures normales d'ouverture de l'OPIC au public.

*Si le Nouvel An, la Saint-Jean-Baptiste, la Fête du Canada, ou le Jour du Souvenir est un samedi ou un dimanche, les délais seront prorogés au mardi suivant.

**Si le 25 décembre est un vendredi, les délais seront prorogés au mardi suivant. Si le 25 décembre est un samedi ou un dimanche, les délais seront prorogés au mercredi suivant.

***Veuillez noter que les Bureaux sont ouverts au public le premier lundi du mois d'août. Tout délai qui expire ce jour-là sera prorogé au prochain jour ouvrable (premier mardi du mois d'août). Cependant, toute correspondance, droits ou taxes fournis au Bureau ce jour-là seront réputés ou considéré avoir été reçus à cette date.

La prorogation de délai concernant les jours prescrits ou règlementaires s'appliquent nonobstant du lieu de résidence ou du lieu de l'établissement auquel les documents ont été remis.

Veuillez noter que ce ne sont pas tous les jours fériés provinciaux ou territoriaux qui sont des jours prescrits ou règlementaires pour lesquels un délai peut être prorogé. Il est recommandé que les clients soient attentifs et s'assurent que tout délai soit respecté.

Time period extensions under the Copyright and Integrated Circuit Topography Acts

In accordance with section 26 of the Interpretation Act, any person choosing to deliver a document to CIPO or a designated establishment (including 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,

Prorogation des délais prévus par les Lois sur le droit d'auteur et sur les topographies de circuits

Selon l'article 26 de la Loi d'interprétation, lorsqu'une personne choisit de livrer un document à l'OPIC ou à un établissement désigné (y compris un bureau régional d'Innovation, Sciences et Développement économique Canada ou le service Courrier recommandé^MC^, ou par Xpresspost^MC^ 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 relativement aux établissements auxquels des documents sont

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.

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 period extensions 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.

Prolongations de délais prévus au 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.

Time period extensions under the Madrid Protocol and the Hague Agreement

If a period within which a communication must be received by the International Bureau of the World Intellectual Property Office would expire on a day on which the International

Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye

Si un délai à l'intérieur duquel une communication doit être reçue par le Bureau international de l'Organisation mondiale de propriété intellectuelle expire un jour où le Bureau international n'est pas ouvert au public, le délai expirera lors du

Bureau is not open to the public, it will expire on the next subsequent day on which the International Bureau is open. Likewise, if the period within which a communication (such as a notification of refusal of protection) must be sent by CIPO to the International Bureau would expire on a day on which CIPO is not open to the public, it will expire on the next subsequent day on which CIPO is open.

A list of the days on which the International Bureau is closed to the public during the current and the following calendar year is available on the WIPO website.

6. Procedures in Case of an Unexpected Office Closure at CIPO

In case of unforeseen circumstances, CIPO will attempt to remain open to the public and ensure that essential service to our clients continues with the least possible disruption or delay.

In accordance with paragraph 27.01(n) of the Patent Rules, paragraph 15(n) of the Trademarks Regulations and paragraph 36(n) of the Industrial Design Regulations, whenever CIPO is closed to the public, for all or part of a day during ordinary business hours, including closures due to extraordinary circumstances, time periods will be extended to the next day that is not a prescribed or a designated day and where CIPO is open to the public.

For Copyright and Integrated Circuit Topography, if CIPO is closed to the public due to extraordinary circumstances, CIPO considers all time limits to be extended until the next day that it is open to the public. In such situations, mail delivered to CIPO or to designated establishments will be considered to be received on the date that CIPO re-opens to the public, with the exception of correspondence addressed to the Registrar of Topographies.

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.

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 with respect to service interruptions on our website as it becomes available and as circumstances permit.

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or to use electronic means using the relevant links set out in section 2.2 of these correspondence procedures. Documents may continue to be faxed to CIPO at 819-953-CIPO (953-2476). Date-sensitive material requiring fee

premier jour suivant où le Bureau international est ouvert au public. Similairement, si un délai à l'intérieur duquel une communication (tel qu'une notification de refus de la protection) doit être envoyée par l'OPIC au Bureau international expire un jour où les bureaux de l'OPIC sont fermés au public, ce délai expirera lors du premier jour suivant la réouverture de l'OPIC.

Une liste des jours pendant lesquels le Bureau international est fermé au public pendant l'année civile en cours et à venir est disponible sur le site web de l'OMPI.

6. Procédures en cas de fermeture des bureaux

Lors de circonstances imprévues, 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.

Conformément à l'alinéa 27.01n) des Règles sur les Brevets, l'alinéa 15n) du Règlement sur les marques de commerce et de l'alinéa 36n) du Règlement sur les dessins industriels, lorsque les bureaux de l'OPIC sont fermés au public pendant toute ou une partie des heures normales d'ouverture, y compris une fermeture en raison de circonstances extraordinaires, les délais seront prorogés au jour suivant qui ne sera pas un jour prescrit ou un jour désigné et où l'OPIC est ouvert au public .

Pour les droits d'auteur et les topographies de circuits intégrés, si les bureaux de l'OPIC sont fermés au public en raison de circonstances extraordinaires, l'OPIC considère que tous les délais sont prorogés au prochain jour d'ouverture au public. Dans de telles circonstances, le courrier livré à l'OPIC ou à des établissements désignés sera considéré avoir été reçu à la date du jour de la réouverture de l'OPIC au public, à l'exception de la correspondance adressée au registraire des topographies.

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.

En situation d'urgence, les systèmes d'information et de recherche resteront, 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 situation d'urgence, l'OPIC va publier les renseignements nécessaires sur notre page d'interruptions des services, lorsque ceux-ci seront disponibles et les circonstances le permettront.

Les clients sont **fortement encouragés** de faire parvenir les documents assujettis à des délais précis par Postes Canada par Courrier recommandé^MC^, par Xpresspost^MC^ ou par voie électronique en utilisant les liens spécifiés à l'article 2.2 des présentes procédures de correspondance. Il est toujours

payment that is sent by fax must be accompanied by a VISA™, MasterCard™, or American Express™ credit card number, or CIPO deposit account number.

Please note that there may also be instances in which the designated offices may be temporarily closed, yet CIPO remains open to the public. In such situations, it remains **the responsibility of CIPO's clients** to ensure that all deadlines are respected.

possible de transmettre par télécopieur des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des droits ou taxes sont exigés, qui sont envoyés par télécopieur, doivent être accompagnés d'un numéro de carte VISA[MC], Mastercard[MC] ou American Express[MC] ou d'un numéro de compte de dépôt à l'OPIC.

Veuillez noter qu'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.

7. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

The Trademarks Act and Regulations allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. In order for a retroactive extension of time to be granted, the Registrar of Trademarks 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 is required in certain cases.

7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec l'Office

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

Le cadre législatif en rapport aux types de propriété intellectuelle mentionnés ci-haut ne donne pas à l'OPIC la flexibilité de proroger les délais lorsque l'Office est ouvert au public, mais les clients sont dans l'impossibilité de communiquer avec le l'Office.

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

Marques de commerce

La Loi sur les marques de commerce et le Règlement sur les marques de commerce permettent aux clients de demander une prolongation rétroactive lorsqu'un délai n'a pas été respecté en raison d'un cas de force majeure. Pour qu'une prolongation de délai 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 est exigé dans certains cas.

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

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

- Patent Rules
- Regulations under the PCT
- Trademarks Act
- Trademarks Regulations

- Règlement d'exécution du PCT
- Loi sur les marques de commerce
- Règlement sur les marques de commerce

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of April 28, 2020 contains applications open to public inspection from April 12, 2020 to April 18, 2020.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 28 avril 2020 contient les demandes disponibles au public pour consultation pour la période du 12 avril 2020 au 18 avril 2020.

Canadian Patents Issued

April 28, 2020

Brevets canadiens délivrés

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[72] CHAN, KEITH, US
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[72] PORTEAUX, ETIENNE, FR
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[54] **COMPOSITIONS DE PHOTOCATALYSEUR SERVANT AU DIAGNOSTIC ET AU TRAITEMENT DE BIOPELICULES DANS LES PLAIES**
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[73] WISCONSIN ALUMNI RESEARCH FOUNDATION,
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[54] **PROCEDE DE DOSAGE DE LA PRODEFENSINE-A6 POUR LE DIAGNOSTIC IN VITRO DU CANCER COLORECTAL**
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[72] BEAULIEU, CORINNE, FR
[72] BUSSERET, SANDRINE, FR
[72] CHARRIER, JEAN-PHILIPPE, FR
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[72] JANSSENS, RICHARD WILHELM, NL
[72] DRABEK, DUBRAVKA, NL
[72] CHEN, TAO, NL
[72] DE BOER, ERNIE, NL
[72] CRAIG, ROGER KINGDON, GB
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[54] **SYSTEME DE VENTILATION ET METHODE**
[72] PENLESKY, ROBERT G., US
[72] ZAKULA, MIRKO, US
[72] KARST, DANIEL L., US
[72] JACAK, COREY S., US
[73] BROAN-NUTONE LLC,
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[72] KRONAUER, SANJA, SE
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[72] WEI, TAO-CHIN, CN
[72] YU, KUO-YI, CN
[73] MIDAS WEI TRADING CO., LTD.,
[73] CHAMPION ELITE COMPANY LIMITED,
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[54] **SYSTEME DE COMMUNICATION SANS FIL FOURNISSANT UN CONTENU MULTIMEDIA SELON DES INFORMATIONS DE PREFERENCE COMMUNIQUEES PAR COMMUNICATIONS DE PROXIMITE (NFC) ET METHODES CONNEXES**
[72] HILL, THOMAS CASEY, US
[73] BLACKBERRY LIMITED,
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[54] **METHODS AND KITS FOR THE IDENTIFICATION OF ANIMALS HAVING A GREATER POTENTIAL FOR DESIRABLE CHARACTERISTICS, AND FOR THE EARLY IDENTIFICATION OF FAT DEPOSITS IN BOVINES**
[54] **METHODES ET TROUSSES POUR L'IDENTIFICATION D'ANIMAUX PREDISPOSES A DEVELOPPER DES CARACTERISTIQUES SOUHAITABLES ET POUR L'IDENTIFICATION PRECOCE DE DEPOTS DE GRAISSE CHEZ DES BOVINS**
[72] ALMEIDA REGITANO, LUCIANA CORREIA DE, BR
[72] BATISTA, VENERONI GISELE, BR
[72] TIZIOTO, POLYANA CRISTINE, BR
[73] EMPRESA BRASILEIRA DE PESQUISA AGROPECUARIA - EMBRAPA,
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[54] **SYSTEME DE COMMUNICATION SANS FIL ET METHODE DE COMMUNICATION SANS FIL**
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[72] YAMADA, SHOHEI, JP
[73] SHARP KABUSHIKI KAISHA,
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[72] GREIM, OLIVIER, CH
[72] PLOJOUX, JULIEN, CH
[72] RUSCIO, DANI, CH
[73] PHILIP MORRIS PRODUCTS S.A.,
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[54] **PROCESS FOR THE CARBONYLATION OF ETHYLENICALLY UNSATURATED COMPOUNDS, NOVEL CARBONYLATION LIGANDS AND CATALYST SYSTEMS INCORPORATING SUCH LIGANDS**
[54] **PROCEDE DE CARBONYLATION DE COMPOSES ETHYLENIQUEMENT INSATURES, NOUVEAUX LIGANDS DE CARBONYLATION ET SYSTEMES CATALYTIQUES INCORPORANT DE TELS LIGANDS**
[72] EASTHAM, GRAHAM RONALD, GB
[72] WAUGH, MARK, GB
[72] PRINGLE, PAUL, GB
[72] TURNER, THOMAS PHILIP WILLIAM, GB
[73] LUCITE INTERNATIONAL UK LIMITED,
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[54] **METHODS AND COMPOSITIONS RELATED TO ANNEXIN 1-BINDING COMPOUNDS**
[54] **METHODES ET COMPOSITIONS SE RAPPORTANT A DES COMPOSES SE LIANT A L'ANNEXINE 1**
[72] FUKUDA, MICHIKO, US
[72] SUGIHARA, KAZUHIRO, JP
[72] KANAYAMA, NAOHIRO, JP
[73] SANFORD-BURNHAM MEDICAL RESEARCH INSTITUTE,
[73] HAMAMATSU UNIVERSITY SCHOOL OF MEDICINE,
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[54] **PROCEDE ET COMPOSITION D'ELIMINATION DE DEPOTS**
[72] VARRIN, ROBERT D., JR., US
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[72] ANDERSON, CARLY E., US
[73] DOMINION ENGINEERING, INC.,
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[54] **DIGITAL ANALYTE ANALYSIS WITH POLYMERASE ERROR CORRECTION**
[54] **ANALYSE NUMERIQUE D'ANALYTE COMPORTANT LA CORRECTION D'ERREUR DE POLYMERASE**
[72] LARSON, JONATHAN WILLIAM, US
[72] ZHONG, QUN, US
[72] LINK, DARREN ROY, US
[73] BIO-RAD LABORATORIES, INC.,
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[54] **PELLICULE AUTOCOLLANTE GRAPHIQUE TRANSPARENTE**
[72] WEAVER, LAURA B., US
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[72] RUEGAMER, SASCHA K., US
[72] THORNTON, TIM D., US
[72] O'MEARA, SEAN C., US
[72] ELLIS, JEFFREY R., US
[72] GYLLAND, E. FRED, JR., US
[73] THE BOEING COMPANY,
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[54] **METHOD OF RENDERING A USER INTERFACE**
[54] **METHODE DE RENDU D'UNE INTERFACE UTILISATEUR**
[72] LEWIN, MATHIAS, SE
[72] ANDERSSON, JENS OLA, SE
[72] LJUNGKRANTZ, PETER, SE
[72] GURELL, CHRISTOFFER, SE
[72] MOWITZ, JOHAN, SE
[73] BLACKBERRY LIMITED,
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[54] **METHODES DE FORMULATION DE COMPOSES ORGANIQUES NEUTRES AVEC DES NANOPARTICULES DE POLYMERES**
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[72] PHAM, HUNG, CA
[72] ANDERSON, DARREN J., CA
[73] VIVE CROP PROTECTION INC.,
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[54] **PROCEDE DE PURIFICATION D'UNE PROTEINE DE FACTEUR DE CROISSANCE**
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[72] WINGE, STEFAN, SE
[72] TIEMEYER, MAYA, DE
[73] OCTAPHARMA AG,
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[54] **COMPOSITIONS AND METHODS FOR CHARACTERIZING A MYOPATHY**
[54] **COMPOSITIONS ET METHODES POUR LA CARACTERISATION D'UNE MYOPATHIE**
[72] CASCIOLA-ROSEN, LIVIA ANGELA, US
[72] CHRISTOPHER-STINE, LISA, US
[72] MAMMEN, ANDREW, US
[72] ROSEN, ANTONY, US
[73] THE JOHNS HOPKINS UNIVERSITY,
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[54] **WOOD PRESERVATIVE FORMULATIONS COMPRISING ISOTHIAZOLONES WHICH PROVIDE PROTECTION AGAINST SURFACE STAINING**
[54] **FORMULES DE PRODUIT DE CONSERVATION DES BOIS COMPRENANT DES ISOTHIAZOLONES QUI PROTEGENT CONTRE LA COLORATION DE SURFACE**
[72] WARBURTON, PAUL STUART, GB
[72] MASON, LEE, GB
[72] HUGHES, ANDREW STEWART, GB
[73] ARCH TIMBER PROTECTION LIMITED,
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[72] ADIE, GORDON CAMPBELL, GB
[72] COLLINSON, SARAH JENNY, GB
[72] FRYER, CHRISTOPHER JOHN, GB
[72] PERON, YANNICK LOUIS, GB
[72] NICOLINI, DEREK, GB
[72] HARTWELL, EDWARD YERBURY, GB
[73] SMITH & NEPHEW PLC,
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[54] **PROCEDE DE DIAGNOSTIC EN TEMPS REEL D'OPERATIONS DE FRACTURE AVEC UNE COMBINAISON D'ONDES DE TUBE ET D'UN SUIVI MICROSISMIQUE**
[72] KABANNIK, ARTEM VALERIEVICH, RU
[72] EMELYANOV, DENIS YURIEVICH, RU
[72] LECERF, BRUNO, RU
[72] TARASENKO, KIRILL LEONIDOVICH, RU
[72] BOGDAN, ANDREY VLADIMIROVICH, RU
[72] KUZNETSOV, DMITRY SERGEEVICH, RU
[73] SCHLUMBERGER CANADA LIMITED,
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[54] **APPAREIL D'ALARME POUR UN CASQUE D'ECOUTE DE PILOTE**
[72] STEINMETZ, MARTIN, DE
[73] ROBERT BOSCH GMBH,
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[54] **PRODUCTION DE NIVEAUX ELEVES DE DHA DANS DES MICRO-ALGUES AU MOYEN DE QUANTITES MODIFIEES DE CHLORURE ET DE POTASSIUM**
[72] BEHRENS, PAUL W., US
[72] THOMPSON, JOHN M., US
[72] APT, KIRK, US
[72] PFEIFER, JOSEPH W., III, US
[72] WYNN, JAMES P., US
[72] LIPPMEIER, JAMES CASEY, US
[72] FICHTALI, JAOUAD, US
[72] HANSEN, JON, US
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[54] **INNOVATIVE DISCOVERY OF THERAPEUTIC, DIAGNOSTIC, AND ANTIBODY COMPOSITIONS RELATED TO PROTEIN FRAGMENTS OF GLYCYL-TRNA SYNTHETASES**
[54] **DECOUVERTE INNOVANTE DE COMPOSITIONS THERAPEUTIQUES, DE DIAGNOSTIC ET D'ANTICORPS SE RAPPORTANT A DES FRAGMENTS PROTEIQUES DE GLYCYL-ARNT SYNTHETASES**
[72] GREENE, LESLIE ANN, US
[72] CHIANG, KYLE P., US
[72] HONG, FEI, US
[72] VASSEROT, ALAIN P., US
[72] LO, WING-SZE, CN
[72] WATKINS, JEFFRY D., US
[72] QUINN, CHERYL L., US
[72] MENDLEIN, JOHN D., US
[73] ATYR PHARMA, INC.,
[73] PANGU BIOPHARMA LIMITED,
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[54] **TEMPERATURE CONTROL GASPER APPARATUS**
[54] **BOUCHE DE VENTILATION INDIVIDUELLE REGLABLE A REGULATION DE TEMPERATURE**
[72] FERNANDES, LESLIE, US
[72] RANN, CHARLIE, US
[72] KHODJASARYAN, KRIST, US
[73] SENIOR IP GMBH,
[86] (2804625)
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[72] LAVORATA, MARC, FR
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[54] **PROCEDE ET APPAREIL DE MOULAGE PAR SOUFFLAGE POUR LA FORMATION D'UN RECIPIENT EN PLASTIQUE COMPRESSIBLE**
[72] PORTER, RANDAL D., US
[72] FUTRAL, DANIEL M., US
[72] SILVA, JOHN K., US
[72] PEEK, WILLIAM K., US
[72] BENELL, BRIAN J., US
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[73] SILGAN PLASTICS LLC,
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[54] **COMPOSES AGISSANT SUR PLUSIEURS RECEPTEURS DES PROSTAGLANDINES POUR DONNER UNE REPONSE ANTI-INFLAMMATOIRE GENERALE**
[72] MARTOS, JOSE L., GB
[72] CARLING, WILLIAM R., GB
[72] WOODWARD, DAVID F., US
[72] WANG, JENNY W., US
[72] KANGASMETSA, JUSSI J., GB
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[54] **UTILISATION D'UN MODULATEUR DE KINASE DE TYPE RECEPTEUR POUR TRAITER UNE MALADIE RENALE POLYKYSTIQUE**
[72] FROST, PHILIP, US
[72] LIAO, WILLIAM W.N., US
[72] ROWINSKY, ERIC K., US
[73] SYMPHONY EVOLUTION, INC.,
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[72] LEVIJARVI, EMMANUEL S., US
[72] MITZEV, OGNIAN S., US
[73] SUNGARD AVAILABILITY SERVICES, LP,
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[72] PFEIFER, ANDREA, CH
[72] MUHS, ANDREAS, CH
[72] MADANI, RIME, CH
[72] BELICHENKO, PAVEL VASILYEVICH, US
[72] MOBLEY, WILLIAM CHARLES, US
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[54] **TENSIOACTIFS DERIVES DE COMPOSES AROMATIQUES ALKYLES A BASE DE BIODIESEL**
[72] SMITH, GEORGE A., US
[72] WEAVER, DANIEL R., US
[72] CHAI, ZHENG, US
[73] INDORAMA VENTURES OXIDES LLC,
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[54] **ANTENNE A REFLECTEURS MULTIPLES POUR SATELLITES DE TELECOMMUNICATIONS**
[72] BROSSIER, JEROME, FR
[72] SCHREIDER, LUDOVIC, FR
[72] DEPEYRE, SERGE, FR
[72] CADIERGUES, LAURENT, FR
[73] THALES,
[73] CENTRE NATIONAL D'ETUDE SPATIALES (CNES),
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[54] **APPAREIL POUR MOULAGE PAR INJECTION**
[72] EIGLER, FRANK JOSEPH, CA
[72] KOVACIC, CRAIG VINCENT, US
[72] GARVEY, JON R., US
[73] DME COMPANY LLC,
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[54] **GENE RF4 RESTAURATEUR DE TYPE C DE LA STERILITE MALE CYTOPLASMIQUE DU MAIS (CMS), MARQUEURS MOLECULAIRES ET LEUR UTILISATION**
[72] REN, RUIHUA, US
[72] NAGEL, BRUCE A., US
[72] KUMPATLA, SIVA P., US
[72] ZHENG, PEIZHONG, US
[72] CUTTER, GARY L., US
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[54] **SURGICAL FASTENER APPLYING APPARATUS INCLUDING REPLACEABLE CARTRIDGE ASSEMBLY**
[54] **AGRAFEUSE CHIRURGICALE COMPORTANT UNE CARTOUCHE REMPLACABLE**
[72] SCIRICA, PAUL A., US
[72] TAYLOR, ERIC, US
[72] HATHAWAY, PETER, US
[72] CHOWANIEC, MATTHEW J., US
[73] COVIDIEN LP,
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[54] **NOUVEAUX DERIVES DE METHYLCYCLOHEXANE ET LEURS UTILISATIONS**
[72] BAE, SUNG JIN, KR
[72] YI, HAN JU, KR
[72] HWANG, SUN GWAN, KR
[72] JEONG, MO SES, KR
[72] YOON, YEO JIN, KR
[72] CHAE, SANG MI, KR
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[54] **BARRE DE RENFORCEMENT ET SON PROCEDE DE FABRICATION**
[72] STANDAL, PER CATO, NO
[72] MILLER, LEONARD W., NO
[73] REFORCETECH LTD.,
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[54] **REACTEUR ET METHODE DE PURIFICATION BIOLOGIQUE AMELIOREE DES EAUX USEES**
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[72] LINDEGAARD, MORTEN, FR
[73] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT,
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[54] **CHARGEMENT ET EDITION PARTIELS DE DOCUMENTS A PARTIR D'UN SERVEUR**
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[72] ZHU, ZHENJUN, US
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[54] **DRAIN DE SORTIE POUR UN SYSTEME DE FILTRATION POUR FILTRER DE L'EAU OU DES EAUX USEES ET METHODE DE LAVAGE DU SYSTEME DE FILTRE**
[72] ROBERTS, R. LEE, US
[72] JACKSON, TROY A., US
[72] CRISTALDI, JOSEPH L., US
[73] ROBERTS MARKETING DE, INC.,
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[54] **PRESENTOIR GEANT REFRIGERE A TABLETTE PIVOTANTE**
[72] NARAYANACHAR, BHAVYA, IN
[72] BRIES, WILLIAM E., US
[72] JONES, MICHAEL L., US
[73] HUSSMANN CORPORATION,
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[72] VISSCHER, PETER D., CA
[73] ONTARIO DRIVE & GEAR LIMITED,
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[54] **IONOMERES DE PHOSPHONIUM COMPRENANT DES GROUPES VINYLE PENDANTS, ET LEURS PROCEDES DE PREPARATION**
[72] ADKINSON, DANA K., CA
[72] CHADDER, SARAH J., CA
[72] DAVIDSON, GREGORY J.E., CA
[72] FERRARI, LORENZO, CA
[72] MALMBERG, SEAN M., CA
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[54] **MICROSPHERES COMPORTANT DE LA CELLULOSE OXYDEE**
[72] BLASKOVICH, PHILLIP, US
[72] OHRI, RACHIT, US
[72] PHAM, LAN, US
[73] COVIDIEN LP,
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[72] EVANS, CHRISTOPHER KELLY, US
[72] FISCHVOGT, GREGORY, US
[73] COVIDIEN LP,
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[54] **DERIVE D'IMIDAZOLE EN TANT QU'INHIBITEURS DE L'ENZYME PDE10A**
[72] KEHLER, JAN, DK
[72] NIELSEN, JACOB, DK
[72] MARIGO, MAURO, DK
[72] KILBURN, JOHN PAUL, DK
[72] LANGGARD, MORTEN, DK
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[54] **BARRE CONDUCTRICE DE GUIDE D'ONDE**
[72] ARNOLD, CHRISTIAN, DE
[72] PARLEBAS, JEAN, DE
[72] REICHERTER, DANIEL, DE
[73] TESAT-SPACECOM GMBH & CO. KG,
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[73] IMNATE SARL,
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[72] GILL, DARLA, US
[72] SNIDER, RICH, US
[72] ELLER, ZEKE, US
[72] MOTTOLA, JIM, US
[72] ROBINSON, TOM, US
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[54] **SYSTEME ET PROCEDE POUR LE TRAITEMENT DE SABLES PETROLIFERES**
[72] KIMBALL, GREGORY J., US
[72] BONEM, JOSEPH MERWYN, US
[72] PHILLIPS, DAVID LONNIE, US
[73] BEPEX INTERNATIONAL, LLC,
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[25] EN
[54] **WEAR RESISTANT ANTIMICROBIAL COMPOSITIONS COMPRISING A QUATERNARY AMMONIUM COMPOUND AND A CATIONIC BIOCIDE, AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS ANTIMICROBIENNES RESISTANTES A L'USURE RENFERMANT UN COMPOSE AMMONIUM QUATERNAIRE ET UN BIOCIDE CATIONIQUE, ET METHODES D'UTILISATION ASSOCIEES**
[72] HERDT, BRANDON, US
[72] STAUB, RICHARD, US
[72] TAUER, KEVIN, US
[72] SMITH, KIM R., US
[73] ECOLAB USA INC.,
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[72] GAINEY, CHARLES, JR., US
[72] OAKES, KENNETH JAMES, US
[72] MATHIAS, THOMAS BRIAN, US
[72] SZWED, PETER KENNETH, US
[72] DRIEVER, PETER DANA, US
[72] SUTTON, PETER GRIMM, US
[72] YUDENFRIEND, HARRY, US
[72] TZORTZATOS, ELPIDA, US
[72] GLASSEN, STEVEN GARDNER, US
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[72] STRUIJK, JOHANNES JAN, DK
[73] ACARIX A/S,
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[54] **VANNE DE REGULATION DE FLUX DE LIQUIDE**
[72] REISER, WOLFGANG, DE
[72] BENDER, JAN-PETER, DE
[72] KNEULE, TOBIAS, DE
[72] MERAL, OZCAN, DE
[73] FESTO AG & CO. KG,
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[25] EN
[54] **SURGICAL ADAPTER ASSEMBLIES FOR USE BETWEEN SURGICAL HANDLE ASSEMBLY AND SURGICAL END EFFECTORS**
[54] **ENSEMBLE ADAPTATEUR CHIRURGICAL A UTILISER ENTRE UN MANCHE CHIRURGICAL ET DES EFFECTEURS TERMINAUX CHIRURGICAUX**
[72] WILLIAMS, RYAN, US
[72] MARCZYK, STANISLAW, US
[73] COVIDIEN LP,
[86] (2820337)
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[54] **PORTE-BEBE ERGONOMIQUE**
[72] WORKMAN, KRYSTAL, US
[73] WORKMAN, KRYSTAL,
[86] (2821329)
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[54] **ADHERENT WATER VAPOUR PERMEABLE AIR AND MOISTURE BARRIER SHEET MATERIAL**
[54] **MATERIAU DE FEUILLE ETANCHE A L'AIR ET A L'HUMIDITE PERMEABLE A LA VAPEUR D'EAU ET ADHERENT**
[72] JABLONKA, MARCUS, CA
[73] EWALD DOERKEN AG,
[86] (2822569)
[87] (2822569)
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[51] **Int.Cl. H04W 48/16 (2009.01) H04W 52/02 (2009.01) H04W 92/18 (2009.01)**
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[54] **METHOD AND APPARATUS FOR PROTECTING CONTENT IN A WI-FI DIRECT COMMUNICATION SCHEME**
[54] **PROCEDE ET APPAREIL POUR PROTEGER UN CONTENU DANS UN SCHEMA DE COMMUNICATION DIRECTE WIFI**
[72] JEONG, JIN-WOO, KR
[72] VERMA, LOCHAN, KR
[73] SAMSUNG ELECTRONICS CO., LTD.,
[85] 2013-06-21
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[54] **METHOD FOR INHIBITING PATHOGENS USING A NUTRITIONAL COMPOSITION**
[54] **PROCEDE POUR L'INHIBITION DE PATHOGENES EN UTILISANT UNE COMPOSITION NUTRITIONNELLE**
[72] WITTKE, ANJA, US
[72] MUNOZ, CECILIA, US
[72] BANAVARA, DATTATREYA, US
[72] MCMAHON, ROBERT J., US
[73] MJN U.S. HOLDINGS LLC,
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[54] **ELECTRONIC CURTAIN MOVING DEVICE**
[54] **DISPOSITIF DE DEPLACEMENT DE RIDEAU ELECTRONIQUE**
[72] RASTEGAR, HOSSEIN, US
[73] RASTEGAR, HOSSEIN,
[86] (2823593)
[87] (2823593)
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[25] EN
[54] **CLEANING APPARATUS FOR UNDERWATER NETTING**
[54] **APPAREIL DE NETTOYAGE DESTINE A DES FILETS SOUS-MARINS**
[72] FAIRHALL, ANDREW JOHN, NZ
[73] BOSS ENGINEERING (2019) LIMITED,
[86] (2823648)
[87] (2823648)
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[54] **BROADCAST MEDIA STREAMING WITH CUSTOMIZED PLAYLIST INSERTION METHOD AND SYSTEM**
[54] **FLUX MULTIMEDIA DE DIFFUSION COMPORTANT UN PROCEDE ET UN SYSTEME D'INSERTION DE LISTE DE LECTURE PERSONNALISEE**
[72] GADOURY, JEAN-FRANCOIS, CA
[73] TRITON DIGITAL CANADA INC.,
[85] 2013-07-03
[86] 2012-01-13 (PCT/CA2012/050020)
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[25] EN
[54] **WIRELESS SNOW PLOW CONTROL**
[54] **COMMANDE DE CHASSE-NEIGE SANS FIL**
[72] MOON, JAMES E., US
[72] CHRISTY, JODY, US
[72] BLANK, GARY LAIRD, US
[73] THE TORO COMPANY,
[86] (2823858)
[87] (2823858)
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[54] **CURABLE FORMALDEHYDE FREE COMPOSITIONS AS BINDERS HAVING SOLVENT RESISTANCE**
[54] **COMPOSITIONS SANS FORMALDEHYDE DURCISSABLES UTILISEES COMME LIANTS AYANT UNE RESISTANCE AU SOLVANT**
[72] CRESCIMANNO, STEPHEN A., US
[72] KELLY, MICHAEL D., US
[73] ROHM AND HAAS COMPANY,
[86] (2824558)
[87] (2824558)
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[54] **CONVERTISSEUR DE PUISSANCE RESONANT**
[72] KARDOLUS, MENNO, NL
[72] SCHIJFFELEN, JOS, NL
[72] GRONINGER, MARK, NL
[72] VAN CASTEREN, DOLF, NL
[73] ABB B.V.,
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[25] EN
[54] **METHOD FOR OBTAINING A LIPID-CONTAINING COMPOSITION FROM MICROBIAL BIOMASS**
[54] **PROCEDE D'OBTENTION DE COMPOSITION CONTENANT DES LIPIDES A PARTIR DE BIOMASSE MICROBIENNE**
[72] AVGOUSTI, MARIOS, US
[72] BELL, TIMOTHY ALLAN, US
[72] BOCKRATH, RICHARD E., US
[72] GUTSCHE, OLIVER WALTER, US
[72] HUTCHENSON, KEITH W., US
[72] LIANG, SHU-CHIEN, US
[72] ORLANDI, ROBERT D., US
[73] E.I. DU PONT DE NEMOURS AND COMPANY,
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[54] **SURGICAL DEVICE IDENTIFICATION**
[54] **IDENTIFICATION DE DISPOSITIF CHIRURGICAL**
[72] TAYLOR, JOSEPH, US
[73] COVIDIEN LP,
[86] (2825706)
[87] (2825706)
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[30] US (13/961,983) 2013-08-08

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[54] **HAND SANDER THAT IS SELECTIVELY ATTACHABLE TO A DUST-VACUUM SYSTEM**
[54] **PONCEUSE PORTATIVE A BANDE FIXEE DE MANIERE SELECTIVE A UN SYSTEME D'ASPIRATION DE POUSSIERE**
[72] TALBOT, COREY, US
[72] FARLAND, RICHARD M., US
[72] ARVINTE, ROMEO, CA
[73] A. RICHARD TOOLS CO./ OUTILS A. RICHARD CO.,
[86] (2825857)
[87] (2825857)
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[25] EN
[54] **HEMATOPOIETIC PRECURSOR CELL PRODUCTION BY PROGRAMMING**
[54] **PRODUCTION DE PRECURSEURS HEMATOPOIETIQUES OBTENUS PAR PROGRAMMATION**
[72] YU, JUNYING, US
[72] VODYANYK, MAKSYM A., US
[73] FUJIFILM CELLULAR DYNAMICS, INC.,
[85] 2013-08-01
[86] 2012-02-07 (PCT/US2012/024098)
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[25] EN
[54] **TECHNIQUES FOR DISTRIBUTED ACOUSTIC SENSING**
[54] **TECHNIQUES DESTINEES A UNE DETECTION ACOUSTIQUE DISTRIBUEE**
[72] GODFREY, ALASTAIR, GB
[73] OPTASENSE HOLDINGS LIMITED,
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[54] **CROSSBOW CABLE GUIDE**
[54] **GUIDE DE CABLE D'ARBALETE**
[72] MCPHERSON, MATHEW A., US
[73] MCP IP, LLC,
[86] (2826705)
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[25] EN
[54] **TELESCOPIC POSITION ADJUSTMENT MECHANISM**
[54] **MECANISME DE REGLAGE DE POSITION TELESCOPIQUE**
[72] PITTENS, JACOBUS JOSEF, CA
[72] SCHILLING, PHILIP SAMUEL, CA
[72] WOODWARD, BRADLEY JAMES, CA
[72] GRAY, DANIEL CHRISTOPHER, CA
[72] DUFFETT, JOHN DOUGLAS, CA
[73] NINE POINT EIGHT INC.,
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[54] **SAFETY LOCK DEVICE FOR PUMP-JACK**
[54] **DISPOSITIF DE VERROUILLAGE DE SECURITE POUR CHEVALET DE POMPAGE**
[72] BECK, MICHAEL, CA
[72] ATWATER, DANIEL, CA
[73] ATABEC SAFETY LOCK CORP.,
[86] (2828607)
[87] (2828607)
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[25] EN
[54] **PROCESSES AND DEVICES FOR APPLYING COATINGS TO THE INTERIOR OF TUBES**
[54] **PROCESSUS ET DISPOSITIFS D'APPLICATION DE REVETEMENT SUR L'INTERIEUR DE TUBES**
[72] HAMILTON, HOLLY-BRUCE, CA
[72] BERGERON, ANDREW, CA
[72] CLATWORTHY, BLAIN, CA
[72] STODDARD, TIM, CA
[73] ATOMIC ENERGY OF CANADA LIMITED,
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[25] EN
[54] **COMPOSITIONS AND METHODS COMPRISING C16:1N7-PALMITOLEATE**
[54] **COMPOSITIONS ET PROCEDES COMPRENANT DU C16:1N7-PALMITOLEATE**
[72] GREEN, JEFFREY, US
[73] TERSUS PHARMACEUTICALS, LLC,
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[54] **BEVERAGE DELIVERY POD AND METHODS OF USE AND MANUFACTURE**
[54] **CAPSULE DE DISTRIBUTION DE BOISSON ET PROCEDES D'UTILISATION ET DE FABRICATION**
[72] HANSEN, NICHOLAS ANDREW, GB
[73] INTERCONTINENTAL GREAT BRANDS LLC,
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[54] **ROULEAUX D'INSERT ET SYSTEMES DE MAINTIEN A DUREE UTILE ACCRUE POUR PELEUSE**
[72] GREVE, CHRISTOPHER G., US
[73] LAITRAM, L.L.C.,
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[25] EN
[54] **POLYPEPTIDES WITH AFFINITY FOR HEAT SHOCK PROTEINS (HSPS) AND HSP ASSOCIATED COMPLEXES (HACS) AND THEIR USE IN DIAGNOSIS AND THERAPY**
[54] **POLYPEPTIDES PRESENTANT UNE AFFINITE POUR LES PROTEINES DE CHOC THERMIQUE (HSP) ET COMPLEXES ASSOCIES A UNE HSP (HACS) ET LEUR UTILISATION EN DIAGNOSTIC ET EN THERAPIE**
[72] GRIFFITHS, STEVEN GARETH, CA
[72] LEWIS, SCOTT EDWIN, US
[73] ATLANTIC CANCER RESEARCH INSTITUTE,
[73] NEW ENGLAND PEPTIDE, INC.,
[85] 2013-09-20
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[25] EN
[54] **CONJUGATED LIPOMERS AND USES THEREOF**
[54] **LIPOMERES CONJUGUES ET UTILISATIONS ASSOCIEES**
[72] DAHLMAN, JAMES E., US
[72] SCHROEDER, AVRAHAM D., US
[72] ANDERSON, DANIEL GRIFFITH, US
[72] LANGER, ROBERT S., US
[72] LEVINS, CHRISTOPHER G., US
[73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY,
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[25] EN
[54] **ASSEMBLY STRUCTURE FOR END COVER AND SHELL OF MOTOR**
[54] **STRUCTURE D'ENSEMBLE POUR UN COUVERCLE ET UNE ENVELOPPE DE MOTEUR**
[72] CHEN, FANG, CN
[73] ZHONGSHAN BROAD-OCEAN MOTOR MANUFACTURING CO., LTD.,
[86] (2831533)
[87] (2831533)
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[54] **METHOD FOR VOLUMETRIC REDUCTION OF ORGANIC LIQUIDS**
[54] **PRODUCTION DE REDUCTION VOLUMETRIQUE DE LIQUIDES ORGANIQUES**
[72] GRANT, GAVIN, CA
[72] MAJOR, DAVID, CA
[72] GERHARD, JASON, CA
[72] TORERO, JOSE, GB
[72] SCHOLES, GRANT, CA
[72] PIRONI, PAOLO, GB
[72] SWITZER, CHRISTINE, GB
[73] GEOSYNTEC CONSULTANTS, INC.,
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[30] US (61/480,852) 2011-04-29
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[25] EN
[54] **METHOD OF INHIBITING HARMFUL MICROORGANISMS AND BARRIER-FORMING COMPOSITION THEREFOR**
[54] **PROCEDE D'INHIBITION DE MICROORGANISMES DANGEREUX ET COMPOSITION FORMANT BARRIERE POUR LE METTRE EN OEUVRE**
[72] GHANNOUM, AFIF, US
[72] SOKOL, BRIAN, US
[73] ARMS PHARMACEUTICAL LLC.,
[85] 2013-10-09
[86] 2012-04-17 (PCT/US2012/033921)
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[25] EN
[54] **A METHOD FOR ENHANCING THE PERFORMANCE OF A PESTICIDE WITH GUANIDINES**
[54] **PROCEDE DE RENFORCEMENT DES PERFORMANCES D'UN PESTICIDE FAISANT APPEL A DES GUANIDINES**
[72] SCHNABEL, GERHARD, DE
[72] NOLTE, MARC, DE
[72] ETCHEVERRY, MARIANO IGNACIO, DE
[72] GENARI, GERHARD, DE
[72] KROHL, THOMAS, DE
[72] BRATZ, MATTHIAS, DE
[72] CANNAN, TERRANCE, US
[72] BOWE, STEVEN, US
[72] BROMMER, CHAD, US
[72] FRIHAUF, JOHN, US
[72] FINCH, CHARLES W., US
[72] THOMAS, WALTER, US
[73] BASF SE,
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[86] 2012-04-25 (PCT/EP2012/057578)
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[30] EP (11164972.9) 2011-05-05

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[25] EN
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[54] **ORIENTATION AUTOMATIQUE DE PIERRES PRECIEUSES**
[72] D'GAMA, SIOBHAN, GB
[72] WILLIS, MAXWELL RALPH, GB
[72] DAVIES, NICHOLAS MATTHEW, GB
[72] POWELL, GRAHAM RALPH, GB
[73] DE BEERS UK LTD,
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[54] **IDENTIFICATION OF POLYNUCLEOTIDES ASSOCIATED WITH A SAMPLE.**
[54] **IDENTIFICATION DES POLYNUCLEOTIDES ASSOCIES A UN ECHANTILLON.**
[72] ROBINSON, WILLIAM H., US
[72] TAN, YANN CHONG, US
[72] SOKOLOVE, JEREMY, US
[73] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY,
[73] DEPARTMENT OF VETERANS AFFAIRS,
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[30] US (61/517,976) 2011-04-28
[30] US (61/575,652) 2011-08-24
[30] US (61/599,870) 2012-02-16
[30] US (61/608,571) 2012-03-08

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[54] **SINGLE AXIS ROTATIONAL GAS BEARING WITH FEED-THROUGH**
[54] **PALIER A GAZ ROTATIF A UN AXE AVEC TRAVERSEE**
[72] SINCARSIN, WAYNE G., CA
[73] GEDEX SYSTEMS INC.,
[86] (2834615)
[87] (2834615)
[22] 2013-11-26
[30] US (61/870,808) 2013-08-28

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[25] EN
[54] **FRANGIBLE PROJECTILE AND METHOD FOR MAKING SAME**
[54] **PROJECTILE FRANGIBLE ET SON PROCEDE DE FABRICATION**
[72] PEREZ, MARTIN GERARDO, US
[72] RILEY, ERIC TIMOTHY, US
[72] ESQUIVEL, ERIKA VANESSA, US
[73] GLOBAL TUNGSTEN & POWDERS CORP.,
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[25] EN
[54] **IMPLANTABLE MEDICAL DEVICE HAVING ENHANCED ENDOTHELIAL MIGRATION FEATURES AND METHODS OF MAKING THE SAME**
[54] **DISPOSITIF MEDICAL IMPLANTABLE AYANT DES CARACTERISTIQUES DE MIGRATION ENDOTHELIALE AMELIOREES ET SES PROCEDES DE FABRICATION**
[72] PALMAZ, JULIO C., US
[73] PALMAZ SCIENTIFIC, INC.,
[85] 2013-11-07
[86] 2012-05-09 (PCT/US2012/037138)
[87] (WO2012/154862)
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[25] EN
[54] **TSH IMMUNOASSAYS AND PROCESSES FOR PERFORMING TSH IMMUNOASSAYS IN THE PRESENCE OF ENDOGENOUS CONTAMINANTS IN RESTRICTED WASH FORMATS**
[54] **DOSAGES IMMUNOLOGIQUES DE LA TSH ET PROCEDES DE REALISATION DES DOSAGES IMMUNOLOGIQUES DE LA TSH EN PRESENCE DE CONTAMINANTS ENDOGENES DANS DES FORMATS DE LAVAGE RESTREINTS**
[72] WANG, DAN, CA
[72] COLLIER, GORDON BRUCE, CA
[72] SKINNER, JOSEPH P., US
[72] RUAN, QIAOQIAO, US
[72] TETIN, SERGEY, US
[73] ABBOTT POINT OF CARE INC.,
[85] 2013-11-14
[86] 2011-11-29 (PCT/US2011/062452)
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[25] EN
[54] **METHOD AND DEVICE FOR CHARGING COAL-CONTAINING MATERIAL AND IRON CARRIER MATERIAL**
[54] **PROCEDE ET DISPOSITIF POUR CHARGER DU MATERIAU CONTENANT DU CHARBON ET DU MATERIAU FERRIFERE**
[72] MILLNER, ROBERT, AT
[72] AICHINGER, GEORG, AT
[72] BERNER, FRANZ, AT
[72] EDER, THOMAS, AT
[72] PLAUL, JAN-FRIEDEMANN, AT
[72] REIN, NORBERT, AT
[72] SCHERNEY, ANDREAS, AT
[72] WIEDER, KURT, AT
[72] WURM, JOHANN, AT
[72] KWON, GI WOONG, KR
[72] KWON, DAELYUL, KR
[73] PRIMETALS TECHNOLOGIES AUSTRIA GMBH,
[73] POSCO,
[85] 2013-11-15
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[25] EN
[54] **LOCATING RING AND METHOD FOR POSITIONING PARTS**
[54] **BAGUE DE POSITIONNEMENT ET PROCEDE DE POSITIONNEMENT DE PIECES**
[72] CERNIGLIA, ANTHONY, US
[73] CERNIGLIA, ANTHONY,
[85] 2013-11-18
[86] 2012-05-23 (PCT/US2012/039086)
[87] (WO2012/162361)
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[51] **Int.Cl. H01R 13/447 (2006.01) H01H 13/00 (2006.01) H01R 13/66 (2006.01)**
[25] EN
[54] **UNIVERSAL MOUNT CONTACT BLOCK WITH REVERSIBLE PROTECTED WIRING TERMINALS**
[54] **CALE ISOLANTE A FIXATION UNIVERSELLE AVEC BORNES POUR FILS ELECTRIQUES PROTEGEES REVERSIBLES**
[72] MORTUN, SORIN I., US
[72] ZHONG, RUI CHRIS, CN
[73] HUBBELL INCORPORATED,
[86] (2836906)
[87] (2836906)
[22] 2013-12-17
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[25] EN
[54] **PROCESS TO PRODUCE A YEAST-DERIVED PRODUCT COMPRISING REDUCING SUGAR**
[54] **PROCEDE DE PRODUCTION D'UN PRODUIT DERIVE D'UNE LEVURE CONTENANT UN SUCRE REDUCTEUR**
[72] NOORDAM, BERTUS, NL
[72] LANKHORST, PETER PHILIP, NL
[73] DSM IP ASSETS B.V.,
[85] 2013-11-21
[86] 2012-05-15 (PCT/EP2012/058982)
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[25] EN
[54] **DISPERSION AND DETACHMENT OF CELL AGGREGATES**
[54] **DISPERSION ET DETACHEMENT D'AGREGATS CELLULAIRES**
[72] ZLOTKIN, AMIR, IL
[73] HUTCHISON BIOFILM MEDICAL SOLUTIONS LIMITED,
[85] 2013-11-26
[86] 2012-05-31 (PCT/IB2012/001061)
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[25] EN
[54] **DIELECTRIC FLUIDS COMPRISING ESTOLIDE COMPOUNDS AND METHODS OF MAKING AND USING THE SAME**
[54] **FLUIDES DIELECTRIQUES COMPRENANT DES COMPOSES ESTOLIDES ET LEURS PROCEDES DE PRODUCTION ET D'UTILISATION**
[72] BREDSGUARD, JAKOB, US
[72] FOREST, JEREMY, US
[72] THOMPSON, TRAVIS, US
[73] BIOSYNTHETIC TECHNOLOGIES, LLC,
[85] 2013-12-06
[86] 2012-02-28 (PCT/US2012/026887)
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[30] US (61/498,499) 2011-06-17
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[25] EN
[54] **METHOD FOR ADJUSTING HYDROGEN TO CARBON MONOXIDE RATIO IN SYNTHESIS GAS**
[54] **PROCEDE D'AJUSTEMENT DU RAPPORT HYDROGENE/MONOXYDE DE CARBONE DANS UN GAZ DE SYNTHESE**
[72] EILOS, ISTO, FI
[72] KOSKINEN, JUKKA, FI
[72] TIITTA, MARJA, FI
[72] TOPPINEN, SAMI, FI
[72] VUORI, HELI, FI
[73] NESTE OYJ,
[85] 2013-12-20
[86] 2012-06-26 (PCT/FI2012/050660)
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[25] EN
[54] **DISCOVERY OF A SOMATIC MUTATION IN MYD88 GENE IN LYMPHOPLASMACYTIC LYMPHOMA**
[54] **DECOUVERTE D'UNE MUTATION SOMATIQUE DANS LE GENE MYD88 DU LYMPHOME LYMPHOBLASMOCYTAIRE**
[72] TREON, STEVEN P., US
[73] DANA-FARBER CANCER INSTITUTE, INC.,
[85] 2013-12-30
[86] 2012-06-29 (PCT/US2012/044956)
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[51] **Int.Cl. B05B 7/00 (2006.01) B29B 7/80 (2006.01)**
[25] EN
[54] **SOLVENT-FREE PLURAL COMPONENT SPRAYING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE PULVERISATION DE PLUSIEURS COMPOSANTS EXEMPTS DE SOLVANTS**
[72] MONCHAMP, RYAN, US
[72] ROOSEN, PETER PAUL, CA
[73] CASTAGRA PRODUCTS, INC.,
[85] 2014-01-10
[86] 2012-07-12 (PCT/US2012/046498)
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[25] EN
[54] **MANURE-REMOVAL DEVICE**
[54] **DISPOSITIF D'ENLEVEMENT DE FUMIER**
[72] HILLFORTH, MIKAEL, NL
[72] VAN DEN BEUKEL, HUIBRECHT JOHANNES ARJEN, NL
[72] CLEMENTS, PETER HENRY, NL
[73] LELY PATENT N.V.,
[85] 2014-01-14
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[25] EN
[54] **LAMINAR BODY FOR MAKING GREENHOUSE ROOFS AND METHOD OF GREENHOUSE CULTIVATION**
[54] **CORPS LAMINAIRE POUR FABRIQUER DES TOITS DE SERRE ET PROCEDE DE CULTURE EN SERRE**
[72] BOLDRIN, LANFRANCO, IT
[73] CYTEC INDUSTRIES INC.,
[85] 2014-01-14
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[25] EN
[54] **LUBRICANT COMPOSITION HAVING IMPROVED ANTIWEAR PROPERTIES**
[54] **COMPOSITION LUBRIFIANTE AYANT DES PROPRIETES ANTI-USURE AMELIOREES**
[72] RABBAT, PHILIPPE MARC ANDRE, US
[72] FENTON, RYAN JAMES, US
[72] CHASAN, DAVID ELIEZER, US
[72] DESANTIS, KEVIN J., US
[72] HOEY, MICHAEL, US
[72] SCANLON, EUGENE, US
[73] BASF SE,
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[54] **FATTY ACID COMPOSITIONS**
[54] **COMPOSITIONS D'ACIDES GRAS**
[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
[72] ZIRKLE, ROSS, US
[73] DSM IP ASSETS B.V.,
[85] 2014-01-16
[86] 2012-07-20 (PCT/US2012/047731)
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[25] EN
[54] **MOVING BODY DRIVE APPARATUS**
[54] **APPAREIL D'ENTRAINEMENT DE CORPS EN MOUVEMENT**
[72] SHIROMA, TAKAHIRO, JP
[73] FUJI ELECTRIC CO., LTD.,
[86] (2842510)
[87] (2842510)
[22] 2014-02-11
[30] JP (2013-039468) 2013-02-28

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[25] FR
[54] **SIZING COMPOSITION FOR MINERAL WOOL BASED ON MALTITOL AND INSULATING PRODUCTS OBTAINED**
[54] **COMPOSITION D'ENCOLLAGE POUR LAINE MINERALE A BASE DE MALTITOL ET PRODUITS ISOLANTS OBTENUS**
[72] JAFFRENNOU, BORIS, FR
[72] OBERT, EDOUARD, FR
[73] SAINT-GOBAIN ISOVER,
[85] 2014-01-22
[86] 2012-07-27 (PCT/FR2012/051787)
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[51] **Int.Cl. E02B 11/00 (2006.01) G05D 7/06 (2006.01)**
[25] EN
[54] **WATER MONITORING AND CONTROL SYSTEM AND METHOD THEREOF**
[54] **SYSTEME DE CONTROLE ET DE SURVEILLANCE DE L'EAU ET PROCEDE D'UTILISATION**
[72] SCHAFER, CHARLIE J., US
[72] MCGRATH, DENNIS J., US
[72] WHITE, DAVID CLARK, US
[72] ECHOLS, GORDON ALEXANDER, US
[73] WHITE, DAVID CLARK,
[73] ECHOLS, GORDON ALEXANDER,
[73] THE NATURE CONSERVANCY,
[73] CHARLES J. SCHAFER REVOCABLE TRUST,
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[30] US (14/153,279) 2014-01-13

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[51] **Int.Cl. G01R 21/133 (2006.01) G01R 22/06 (2006.01)**
[25] FR
[54] **SYSTEM FOR MEASURING ELECTRICAL POWER, TRANSFORMATION UNIT COMPRISING SUCH A SYSTEM AND METHOD FOR MEASURING ELECTRICAL POWER USING SUCH A SYSTEM**
[54] **SYSTEME DE MESURE DE L'ENERGIE ELECTRIQUE, POSTE DE TRANSFORMATION COMPRENANT UN TEL SYSTEME ET PROCEDE DE MESURE DE L'ENERGIE ELECTRIQUE AVEC UN TEL SYSTEME**
[72] COUTELOU, OLIVIER, FR
[72] HOUBRE, PASCAL, FR
[72] VINCENT, FRANCOIS, FR
[73] SCHNEIDER ELECTRIC INDUSTRIES SAS,
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[54] **CARRIER-LINKED TREPROSTINIL PRODRUGS**
[54] **PROMEDICAMENTS A BASE DE TREPROSTINIL LIE A UN EXCIPIENT**
[72] HERSEL, ULRICH, DE
[72] RAU, HARALD, DE
[72] LESSMANN, TORBEN, DE
[72] BISEK, NICOLA, DE
[72] MAITRO, GUILLAUME, DE
[72] SPROGOE, KENNETT, US
[72] WEGGE, THOMAS, DE
[72] ZETTLER, JOACHIM, DE
[72] KEIL, OLIVER, DE
[73] ASCENDIS PHARMA A/S,
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[25] EN
[54] **IN SITU FLAP AND SLAT WING TIP BRAKE RESPONSE TESTER**
[54] **TESTEUR DE REPONSE DE FREIN D'EXTREMITE D'AILE DES VOLETS ET DES BECS DE BORD D'ATTAQUE SUR PLACE**
[72] KREIENHEDER, JASON B., US
[73] HAMILTON SUNDSTRAND CORPORATION,
[86] (2844166)
[87] (2844166)
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[25] EN
[54] **AMINOPYRIMIDINE DERIVATIVES FOR USE AS MODULATORS OF KINASE ACTIVITY**
[54] **DERIVES AMINOPYRIMIDINES A UTILISER EN TANT QUE MODULATEURS D'ACTIVITE KINASE**
[72] LAN, RUOXI, US
[72] HUCK, BAYARD R., US
[72] CHEN, XIAOLING, US
[72] DESELM, LIZBETH CELESTE, US
[72] XIAO, YUFANG, US
[72] QIU, HUI, US
[72] NEAGU, CONSTANTIN, US
[72] MOCHALKIN, IGOR, US
[72] JOHNSON, THERESA L., US
[73] MERCK PATENT GMBH,
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[51] **Int.Cl. B21B 45/02 (2006.01)**
[25] EN
[54] **REUSE OF USED OIL IN A ROLLING MILL**
[54] **REUTILISATION D'HUILE USEE DANS UN LAMINOIR**
[72] VERVAET, BART, BE
[72] PELLETIER, CHRISTOPHE, NL
[73] CENTRE DE RECHERCHES METALLURGIQUES ASBL - CENTRUM VOOR RESEARCH IN DE METALLURGIE VZW,
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[25] EN
[54] **PIPERIDINO-DIHYDROTHIENOPYRIMIDINE SULFOXIDES AND THEIR USE FOR TREATING A DISEASE TREATED BY THE INHIBITION OF THE PDE-4 ENZYME**
[54] **SULFOXYDES PIPERIDINO-DIHYDROTHENO PYRIMIDINES ET LEUR UTILISATION POUR LE TRAITEMENT D'UNE MALADIE TRAITEE PAR L'INHIBITION DE L'ENZYME PDE-4**
[72] POUZET, PASCALE A.J., DE
[72] NICKOLAUS, PETER, DE
[72] WERTHMANN, ULRIKE, DE
[72] FRUTOS, ROGELIO P., US
[72] YANG, BING-SHIOU, US
[72] KIM, SOOJIN, US
[72] MULDER, JASON ALAN, US
[72] PATEL, NITINCHANDRA, US
[72] SENANAYAKE, CHRIS H., US
[72] TAMPONE, THOMAS G., US
[72] WEI, XUDONG, US
[73] BOEHRINGER INGELHEIM INTERNATIONAL GMBH,
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[25] EN
[54] **ENHANCED MEDICAL IMPLANT**
[54] **IMPLANT MEDICAL AMELIORE**
[72] WASIELEWSKI, RAY C., US
[73] WASIELEWSKI, RAY C.,
[86] (2846318)
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[22] 2014-03-13
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[51] **Int.Cl. G01N 33/34 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR CHARACTERIZING SOLID MATTER PRESENT IN LIQUIDS**
[54] **DISPOSITIF ET PROCEDE POUR CARACTERISER UN MATERIAU SOLIDE PRESENT DANS DES LIQUIDES**
[72] HIETANIEMI, MATTI, FI
[73] KEMIRA OYJ,
[85] 2014-02-28
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[25] EN
[54] **PROTEIN-CONTAINING ADHESIVES, AND MANUFACTURE AND USE THEREOF**
[54] **ADHESIFS CONTENANT DES PROTEINES, LEUR FABRICATION ET UTILISATION**
[72] PARKER, ANTHONY A., US
[72] MARCINKO, JOSEPH J., US
[73] EVERTREE,
[85] 2014-03-06
[86] 2012-09-07 (PCT/US2012/054116)
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[25] EN
[54] **NOVEL HETEROCYCLIC DERIVATIVES AND THEIR USES**
[54] **NOUVEAUX DERIVES HETEROCYCLIQUES ET LEURS UTILISATIONS**
[72] HO, PIL SU, KR
[72] YOON, DONG OH, KR
[72] HAN, SUN YOUNG, KR
[72] LEE, WON IL, KR
[72] KIM, JUNG SOOK, KR
[72] PARK, WOUL SEONG, KR
[72] AHN, SUNG OH, KR
[72] KIM, HYE JUNG, KR
[73] C&C RESEARCH LABORATORIES,
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[86] 2012-09-28 (PCT/KR2012/007965)
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[30] KR (10-2011-0100369) 2011-09-30
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[54] **SYSTEM OF VERTICAL AND HORIZONTAL MOVEMENT OF THE TRANSPORT CABIN IN A ELEVATOR TRANSLATOR PLANT FOR THE OVERCOMING OF OBSTACLES**
[54] **SYSTEME DE DEPLACEMENT VERTICAL ET HORIZONTAL DE LA CABINE DE TRANSPORT DANS UN ASCENSEUR-TRANSLATEUR POUR SURMONTER LES OBSTACLES**
[72] SCOMPARIN, TARCISIO, IT
[73] PEDARCO INTERNATIONAL LIMITED,
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[86] 2012-09-19 (PCT/IB2012/001824)
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[25] EN
[54] **USE OF LIPOCHITO-OLIGOSACCHARIDES AND/OR CHITO-OLIGOSACCHARIDES IN COMBINATION WITH PHOSPHATE-SOLUBILIZING MICROORGANISMS TO ENHANCE PLANT GROWTH**
[54] **UTILISATION DE LIPOCHITO-OLIGOSACCHARIDES ET/OU DE CHITO-OLIGOSACCHARIDES EN ASSOCIATION AVEC DES MICRO-ORGANISMES SOLUBILISANT LES PHOSPHATES POUR AMELIORER LA CROISSANCE DES PLANTES**
[72] FRODYMA, MICHAEL, CA
[72] SEMONES, SHAWN, US
[72] SMITH, R. STEWART, US
[72] KANG, YAOWEI, US
[73] NOVOZYMES BIOAG A/S,
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[25] EN
[54] **IRRADIATION DEVICE OF A PASTE-TYPE COMPOSITION**
[54] **DISPOSITIF D'IRRADIATION D'UNE COMPOSITION DE TYPE PATE**
[72] GUALANDI, JACOPO, IT
[72] PASCUCCI, PAOLO, IT
[73] COSWELL S.P.A.,
[85] 2014-03-18
[86] 2013-06-18 (PCT/IB2013/054983)
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[25] EN
[54] **MALIGNANT AND NON-MALIGNANT DISEASE TREATMENT WITH RAS ANTAGONISTS**
[54] **TRAITEMENT DE MALADIES MALIGNES ET NON MALIGNES PAR DES ANTAGONISTES DE RAS**
[72] WIKEL, JAMES H., JR., US
[72] BROWNSTEIN, MICHAEL J., US
[73] PISCES THERAPEUTICS LLC,
[85] 2014-03-13
[86] 2012-10-05 (PCT/US2012/058900)
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[54] **CACHEXIA TREATMENT**
[54] **TRAITEMENT DE LA CACHEXIE**
[72] SIMARD, JOHN, US
[73] XBIOTECH, INC.,
[85] 2014-03-21
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[54] **IMPROVED WOUND DRESSING**
[54] **PANSEMENT POUR PLAIE PERFECTIONNE**
[72] VON WOLFF, AXEL, DE
[72] PEREZ-FOULLERAT, DAVID, ES
[72] SCHUBERT, MARCO, DE
[73] BSN MEDICAL GMBH,
[85] 2014-03-25
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[54] **PD-L1 BASED IMMUNOTHERAPY**
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[72] ANDERSEN, MADS HALD, DK
[73] HERLEV HOSPITAL,
[85] 2014-03-27
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[25] EN
[54] **APPARATUS AND METHOD FOR TREATMENT OF IN-STENT RESTENOSIS**
[54] **APPAREIL ET PROCEDE DE TRAITEMENT D'UNE RESTENOSE SUR ENDOPROTHESE**
[72] MATHUR, PRABODH, US
[72] MAZOR, MEITAL, US
[72] PEREZ, DOLORES, US
[73] BOSTON SCIENTIFIC SCIMED, INC.,
[85] 2014-04-01
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[30] US (61/542,949) 2011-10-04

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[25] EN
[54] **ASSOCIATING AN INFORMATION READER AND A MEDICAL DEVICE**
[54] **ASSOCIATION D'UN LECTEUR D'INFORMATIONS ET D'UN DISPOSITIF MEDICAL**
[72] VIK, DANIEL H., US
[72] CHANDRASENAN, SREELAL, US
[72] BORGES, GREGORY, US
[73] CAREFUSION 303, INC.,
[85] 2014-04-09
[86] 2012-10-15 (PCT/US2012/060303)
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[30] US (13/275,005) 2011-10-17

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[51] **Int.Cl. H04W 60/02 (2009.01)**
[25] EN
[54] **REGISTRATION OF A ROAMING UE ONTO A PREFERRED VPLMN USING AIRPLANE MODE OF OPERATION**
[54] **ENREGISTREMENT D'UN UE ITINERANT SUR UN RESEAU VPLMN PREFERE AU MOYEN D'UN MODE DE FONCTIONNEMENT AVION**
[72] MANALO, ROBERT, CA
[72] DAPPULA, PRASHANTH, CA
[73] TELUS COMMUNICATIONS INC.,
[86] (2852155)
[87] (2852155)
[22] 2014-05-20
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[25] EN
[54] **COMPOSITIONS COMPRISING ASCORBIC ACID AND PYRIDABEN AND PYRIDABEN ANALOGS ATTACHED TO AN IMAGING MOIETY AND RELATED METHODS**
[54] **COMPOSITIONS RENFERMANT DE L'ACIDE ASCORBIQUE ET DU PYRIDABEN ET DES ANALOGUES DE PYRIDABEN FIXES A UNE FRACTION D'IMAGERIE ET METHODES ASSOCIEES**
[72] CASTNER, JAMES F., US
[72] ZDANKIEWICZ, DIANNE D., US
[72] ANDERSON, JAMES E., US
[73] LANTHEUS MEDICAL IMAGING, INC.,
[85] 2014-04-15
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[25] EN
[54] **CHROMOBACTERIUM FORMULATIONS, COMPOSTIONS, METABOLITES AND THEIR USES**
[54] **FORMULATIONS, COMPOSITIONS, METABOLITES DE CHROMOBACTERIUM ET LEURS UTILISATIONS**
[72] ASOLKAR, RATNAKAR, US
[72] NAMNATH, JAMES, US
[72] MARRONE, PAMELA, US
[73] MARRONE BIO INNOVATIONS, INC.,
[85] 2014-04-15
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[51] **Int.Cl. G06F 3/048 (2013.01) G06F 3/14 (2006.01) G09B 5/02 (2006.01)**
[25] EN
[54] **INTERACTIVE ORAL PRESENTATION DISPLAY SYSTEM**
[54] **SYSTEME D'AFFICHAGE DE PRESENTATION ORALE INTERACTIF**
[72] LEWIS, JEFFREY S., US
[72] JACKOWSKI, MICHAEL, US
[72] FIESTHUMEL, ROBERT J., US
[72] DEINES, MARNA, US
[73] EDUPRESENT, LLC,
[85] 2014-04-24
[86] 2011-10-27 (PCT/US2011/001820)
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[51] **Int.Cl. H01M 10/056 (2010.01) C08J 5/22 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A POLYMER ELECTROLYTE SEPARATOR AND POLYMER ELECTROLYTE SEPARATOR THERE FROM**
[54] **METHODE DE FABRICATION D'UN SEPARATEUR D'ELECTROLYTE POLYMERIQUE ET SEPARATEUR D'ELECTROLYTE POLYMERIQUE AINSI PRODUIT**
[72] ABUSLEME, JULIO A., IT
[72] PIERI, RICCARDO, IT
[72] FOSSATI, PAOLO, IT
[73] SOLVAY SPECIALTY POLYMERS ITALY S.P.A.,
[85] 2014-05-01
[86] 2012-11-06 (PCT/EP2012/071881)
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[54] **INTEGRATED DIGITAL PLAY SYSTEM**
[54] **SYSTEME DE JEU NUMERIQUE INTEGRE**
[72] JOHNSON, PAIGE LEA, US
[72] NADEL, RYAN, CA
[72] JONES, BRYANT DREW, CA
[72] DHALL, SALVIA, CA
[72] HERSHFIELD, MICHAEL, US
[73] 8 LEAF DIGITAL PRODUCTIONS INC.,
[85] 2014-05-02
[86] 2012-11-05 (PCT/US2012/063589)
[87] (WO2013/067522)
[30] US (61/555,884) 2011-11-04

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[13] C
[51] **Int.Cl. G01N 27/83 (2006.01)**
[25] EN
[54] **METHOD, MACHINE, AND COMPUTER MEDIUM HAVING COMPUTER PROGRAM TO DETECT AND EVALUATE STRUCTURAL ANOMALIES IN CIRCUMFERENTIALLY WELDED PIPELINES**
[54] **PROCEDE, MACHINE ET SUPPORT INFORMATIQUE COMPORTANT UN PROGRAMME INFORMATIQUE POUR DETECTER ET EVALUER DES ANOMALIES STRUCTURELLES DANS DES PIPELINES SOUDES SUR LA CIRCONFERENCE**
[72] DUCKWORTH, NOEL, US
[72] WRIGHT, TONY, US
[73] KINDER MORGAN, INC.,
[86] (2854546)
[87] (2854546)
[22] 2014-06-17
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[51] **Int.Cl. C07C 49/453 (2006.01) A61L 9/01 (2006.01) C11B 9/00 (2006.01) C11D 3/50 (2006.01)**
[25] EN
[54] **5,5-DIMETHYL-2-PROPYL-HEXAHYDRO-2,4A-METHANONAPHTHALENE-1-ONE AS A FRAGRANCE AGENT**
[54] **5,5-DIMETHYL-2-PROPYL-HEXAHYDRO-2,4A-METHANONAPHTHALENE-1-ONE EN TANT QU'AGENT FRAGRANT**
[72] JAUNKY, PIOTR, FR
[72] CHANOT, JEAN-JACQUES, FR
[72] MANE, JEAN, FR
[73] V. MANE FILS,
[85] 2014-05-05
[86] 2012-11-29 (PCT/FR2012/052758)
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[51] **Int.Cl. H04W 40/10 (2009.01) H04W 40/24 (2009.01) H04W 84/18 (2009.01)**
[25] EN
[54] **ROUTING COMMUNICATIONS BASED ON NODE AVAILABILITY**
[54] **ROUTAGE DE COMMUNICATIONS EN FONCTION DE DISPONIBILITE DE NOEUD**
[72] NGUYEN, VIET-HUNG, US
[72] MAINAUD, BASTIEN, US
[72] MONIER, FABRICE, US
[72] BARTIER, JEROME, US
[73] ITRON GLOBAL SARL,
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[30] EP (11188904.4) 2011-11-11

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[51] **Int.Cl. C07D 321/10 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING CYCLOPROPANE DERIVATIVES**
[54] **PROCEDE DE PREPARATION DE DERIVES DE CYCLOPROPANE**
[72] KISS, ELEONORA, BE
[72] BLOMSMA, ERWIN, BE
[72] DE BRUIJN, SERGE, NL
[72] LITJENS, E.J.N. REMY, NL
[73] ARATANA THERAPEUTICS, INC.,
[85] 2014-05-06
[86] 2011-11-10 (PCT/EP2011/069826)
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[51] **Int.Cl. C01B 39/54 (2006.01) B01J 29/00 (2006.01) B01J 29/85 (2006.01) C01B 39/00 (2006.01)**
[25] EN
[54] **ORGANOTEMPLATE-FREE SYNTHETIC PROCESS FOR THE PRODUCTION OF A ZEOLITIC MATERIAL OF THE CHA-TYPE STRUCTURE**
[54] **PROCEDE DE SYNTHESE SANS MATRICE ORGANIQUE POUR LA PRODUCTION D'UN MATERIAU ZEOLITIQUE AYANT LA STRUCTURE DE TYPE CHA**
[72] MAURER, STEFAN, DE
[72] JIN, HANPENG, DE
[72] YANG, JEFF, DE
[72] MULLER, ULRICH, DE
[73] BASF SE,
[85] 2014-05-12
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[51] **Int.Cl. C10M 159/12 (2006.01) C10M 145/16 (2006.01) C10M 145/34 (2006.01) C08G 81/02 (2006.01)**
[25] EN
[54] **FUNCTIONALIZED OLEFIN COPOLYMERS WITH MONOAMINE TERMINATED POLYETHER AND LUBRICATING OIL COMPOSITIONS**
[54] **COPOLYMERES D'OLEFINES FONCTIONNALISES PAR UN POLYETHER TERMINE PAR MONOAMINE ET COMPOSITIONS D'HUILE LUBRIFIANTE**
[72] RUHE, WILLIAM R., JR., US
[72] PATEL, PRITESH A., US
[73] CHEVRON ORONITE COMPANY LLC,
[85] 2014-05-12
[86] 2012-12-19 (PCT/US2012/070651)
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[51] **Int.Cl. B23Q 3/06 (2006.01)**
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[54] **CLAMPING FIXTURE**
[54] **DISPOSITIF DE SERRAGE**
[72] HEDIGER, HANS, CH
[73] EROWA AG,
[86] (2855786)
[87] (2855786)
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[25] FR
[54] **PROCESS FOR PRODUCING AN OPTIMIZED LIQUEFIED LIGNOCELLULOSIC SUBSTRATE**
[54] **PROCEDE DE PRODUCTION DE SUBSTRAT LIGNOCELLULOSIQUE LIQUEFIE OPTIMISE**
[72] LOURET, SYLVAIN, FR
[72] ROUSSET, ROMAIN, FR
[73] IFP ENERGIES NOUVELLES,
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[25] EN
[54] **EJECTOR FOR AN AEROSOL-GENERATING DEVICE**
[54] **EXTRACTEUR POUR UN DISPOSITIF DE GENERATION D'AEROSOL**
[72] PLOJOUX, JULIEN, CH
[72] GREIM, OLIVIER, CH
[72] RUSCIO, DANI, CH
[73] PHILIP MORRIS PRODUCTS S.A.,
[85] 2014-05-20
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[30] EP (11250907.0) 2011-11-21
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[54] **COMPOSITIONS COSMETIQUES DURABLES FACILES A ELIMINER PAR RINCAGE**
[72] HOWELL, ASHLEY L., US
[72] MEI, BING C., US
[73] AVON PRODUCTS, INC.,
[85] 2014-05-21
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[54] **WHEELED CHAIR**
[54] **FAUTEUIL ROULANT**
[72] PAUL, ANISH, US
[72] CHILDS, WILLIAM D., US
[72] BIRMAN, STEVEN L., US
[72] SCHNEIDER, MARK A., US
[72] AREND, JOHN MICHAEL, US
[73] STRYKER CORPORATION,
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[25] EN
[54] **PROCESS FOR TREATING WATER BY REMOVING IONS AND FILTERING AGGLOMERATES THROUGH A SORBENT BED**
[54] **PROCEDE DE TRAITEMENT DE L'EAU PAR ENLEVEMENT D'IONS ET FILTRAGE D'AGGLOMERATS DANS UN LIT SORBANT**
[72] VOIGT, PETER, AU
[72] ZONTOV, NIKOLAI, AU
[72] CARR, JOHN, AU
[73] CLEAN TEQ HOLDINGS LTD.,
[85] 2014-05-27
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[54] **OVERPRINT VARNISHES WITH NON-AQUEOUS DISPERSIONS**
[54] **VERNIS DE SURIMPRESSION A BASE DE DISPERSIONS NON AQUEUSES**
[72] BOLLARD, JEROME, FR
[72] DURAND, RICHARD, US
[72] KRISHNAN, RAMASAMY, US
[72] SUGIYAMA, HIROYUKI, DE
[73] SUN CHEMICAL CORPORATION,
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[86] 2012-12-06 (PCT/US2012/068300)
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[30] US (61/568,215) 2011-12-08

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[25] EN
[54] **METHOD AND PULSE OXIMETER APPARATUS USING CHEMICAL HEATING**
[54] **PROCEDE ET APPAREIL OXYMETRE DE PORES UTILISANT UN CHAUFFAGE CHIMIQUE**
[72] ABEE, CATHERINE P., US
[73] U.S. DEPARTMENT OF VETERANS AFFAIRS,
[73] ABEE, CATHERINE P.,
[85] 2014-05-28
[86] 2012-11-26 (PCT/US2012/066504)
[87] (WO2013/081956)
[30] US (61/629,825) 2011-11-29

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[25] EN
[54] **METHOD AND APPARATUS FOR REMOVING NITROGEN FROM A CRYOGENIC HYDROCARBON COMPOSITION**
[54] **PROCEDE ET APPAREIL POUR RETIRER DE L'AZOTE D'UNE COMPOSITION D'HYDROCARBURES CRYOGENIQUES**
[72] SANTOS, ALEXANDRE M.C.R., MY
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.,
[85] 2014-06-04
[86] 2012-12-10 (PCT/EP2012/074959)
[87] (WO2013/087571)
[30] EP (11192920.4) 2011-12-12

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[51] **Int.Cl. B05C 17/005 (2006.01) A61C 5/64 (2017.01) B05C 17/01 (2006.01) F16H 25/20 (2006.01) B01F 13/00 (2006.01)**
[25] EN
[54] **DRIVING DEVICE OF A METERING AND MIXING APPARATUS**
[54] **MECANISME D'ENTRAINEMENT D'UN DISPOSITIF DOSEUR ET MELANGEUR**
[72] RAHM, MARKUS, CH
[72] SCHULTHEISS, CHRISTIAN, CH
[72] FAH, WALTER, CH
[72] TANNER, PASCAL, CH
[73] SIKA TECHNOLOGY AG,
[85] 2014-06-09
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[30] EP (11194942.6) 2011-12-21

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[13] C
[51] **Int.Cl. F25J 3/02 (2006.01) F25J 1/00 (2006.01) F25J 1/02 (2006.01)**
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[54] **METHOD AND APPARATUS FOR REMOVING NITROGEN FROM A CRYOGENIC HYDROCARBON COMPOSITION**
[54] **PROCEDE ET APPAREIL POUR RETIRER DE L'AZOTE D'UNE COMPOSITION D'HYDROCARBURES CRYOGENIQUES**
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[54] **SYSTEME ET PROCEDE DE PRODUCTION D'UN COURANT D'HYDROCARBURE LIQUEFIE ET PROCEDE DE FONCTIONNEMENT D'UN COMPRESSEUR**
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[72] DERVAULT, FRANCK, CA
[72] LENCZ, DAVID, CA
[73] BOMBARDIER INC.,
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[72] BARICS, STEVEN JOHN ANTHONY, AU
[73] INTELLIGENT PACKAGING PTY LIMITED,
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[54] **ASSOCIATION D'ACIDE (3S,3S') 4,4'-DISULFANEDIYLBIS(3-AMINOBUTANE 1-SULFONIQUE) ET D'UN SECOND AGENT ANTIHYPERTENSIVE**
[72] LLORENS-CORTES, CATHERINE, FR
[72] MARC, YANNICK, FR
[72] GAO-DESLIENS, JI, FR
[72] BALAVOINE, FABRICE, FR
[72] SEGARD, LIONEL, FR
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[54] **SYSTEME DE COMMANDE DE DISTRIBUTION DE NOURRITURE, SYSTEME DE DISTRIBUTION DE NOURRITURE ET PROCEDE POUR NOURRIR DES ANIMAUX**
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[73] LELY PATENT N.V.,
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[72] HAJNY, ROGER, US
[72] JACOBS, KYLE, US
[73] ROBERT BOSCH GMBH,
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[73] INCEPTUM RESEARCH & THERAPEUTICS, INC.,
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[54] **TRAITEMENT D'ACIER ELECTRIQUE SANS RECUIT INTERMEDIAIRE APRES LE LAMINAGE A FROID**
[72] HILL, THEODORE E., US
[72] GALLO, ERIC E., US
[73] NUCOR CORPORATION,
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[73] CREO MEDICAL LIMITED,
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[54] **PROCEDE DE FABRICATION D'UNE FEUILLE**
[72] DEPRES, GAEL, FR
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[73] ARJO WIGGINS FINE PAPERS LIMITED,
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[72] YANG, FRANK, US
[72] WOLBERT, DAVID, US
[72] SANDOR, JOSEPH, US
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[73] SIMPLEHUMAN, LLC,
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[54] **SYSTEME ET DISPOSITIF ALLONGE DE GENERATION D'AEROSOL**
[72] PLOJOUX, JULIEN, CH
[72] RUSCIO, DANI, CH
[72] MANCA, LAURENT, CH
[73] PHILIP MORRIS PRODUCTS S.A.,
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[72] KARCZEWICZ, MARTA, US
[73] QUALCOMM INCORPORATED,
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[54] **PROCEDES ET APPAREIL D'ESTIMATION DE LA VIE UTILE D'UN JOINT**
[72] ANDERSON, SHAWN W., US
[73] FISHER CONTROLS INTERNATIONAL LLC,
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[72] GOODMAN, KENNETH, US
[72] BLACK, FRANCOIS, US
[72] GOLDBERG, ALLAN, US
[73] SCHLUMBERGER CANADA LIMITED,
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[72] BARONI, SERGIO, IT
[72] BELLINVIA, SALVATORE, IT
[72] VITI, FRANCESCA, IT
[73] NOGRA PHARMA LIMITED,
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[72] BHATT, PADMANABH P., US
[72] HUANG, AUSTIN B., US
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[72] EREZ, ODED, IL
[72] EREZ, ADI, IL
[72] HALAHMI, IZHAR, IL
[73] GEOTECH TECHNOLOGIES LTD.,
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[72] GALBRAITH, STEPHEN, US
[72] PORTER, ROBERT, US
[73] INTEGRATED HEALING TECHNOLOGIES,
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[54] **MARTEAU PERFORATEUR DE ROCHE A POUSSOIR**
[72] KARLSSON, MAGNUS, SE
[73] CONSTRUCTION TOOLS PC AB,
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[54] **METHODE DE CARACTERISATION DU COMPORTEMENT MECANIQUE DE CIMENTS**
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[72] GARNIER, ANDRE, FR
[72] LAUDET, JEAN-BENOIT, FR
[72] VU, MANH-HUYEN, FR
[72] GHABEZLOO, SIAVASH, FR
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[73] PARADIGM DRILLING SERVICES LIMITED,
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[72] BUREAU, STEPHANIE, FR
[72] GUERIN-DEREMAUX, LAETITIA, FR
[72] PORA, BERNARD, CN
[73] ROQUETTE FRERES,
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[54] **ROUE LIBRE A ROULEAUX DE DETECTION DE DIRECTION ACTIONNE DE MANIERE ELECTROMAGNETIQUE**
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[73] ALLISON TRANSMISSION, INC.,
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[72] CALLAHAN, MATTHEW, US
[72] MEISER, FELIX, AU
[72] NORRET, MARCK, AU
[72] RUSSELL, ADRIAN, AU
[73] ICEUTICA HOLDINGS INC.,
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[54] **PROCEDE ET APPAREIL POUR ASSEMBLER UN CADRE DE TOUR DE REFROIDISSEMENT ERIGE SUR LE TERRAIN**
[72] MUDER, MARK ANDREW, US
[73] EVAPCO, INC.,
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[72] BOOHER, HOWARD D., US
[72] PITTMAN, RUSSELL D., US
[72] DAVIES, DEREK, US
[73] EAST MANUFACTURING CORPORATION,
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[54] **FEED-MIXING WAGON**
[54] **CHARIOT MELANGEUR D'ALIMENTS POUR ANIMAUX**
[72] PASTOOR, JAN LAMBERTUS, NL
[72] VAN KUILENBURG, JAN MARTINUS, NL
[72] VAN DEN BERG, KAREL, NL
[72] SIE, HOWARD, NL
[73] LELY PATENT N.V.,
[85] 2014-09-08
[86] 2013-03-14 (PCT/NL2013/050180)
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[25] EN
[54] **DEEP VEIN THROMBOSIS ("DVT") AND THERMAL/COMPRESSION THERAPY SYSTEMS, APPARATUSES AND METHODS**
[54] **THROMBOSE VEINEUSE PROFONDE (« TVP ») ET SYSTEMES, APPAREILS ET PROCEDES DE TRAITEMENT THERMIQUE/COMPRESSIF**
[72] EDELMAN, HOWARD, US
[72] GANAJA, SCOTT, US
[72] SELIG, AARON ALEXANDER, US
[72] LI, XIAO, US
[73] BREG, INC.,
[85] 2014-09-08
[86] 2013-03-05 (PCT/US2013/029068)
[87] (WO2013/138110)
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[54] **BREWING MODULE**
[54] **MODULE D'INFUSION**
[72] DEUBER, LOUIS, CH
[73] QBO COFFEE GMBH,
[85] 2014-07-24
[86] 2013-01-25 (PCT/CH2013/000014)
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[51] **Int.Cl. G01N 33/52 (2006.01) G01N 33/558 (2006.01)**
[25] EN
[54] **INTERACTIVE TEST DEVICE AND APPARATUS WITH TIMING MECHANISM**
[54] **DISPOSITIF D'ANALYSE INTERACTIF ET APPAREIL A MECANISME DE SYNCHRONISATION**
[72] DE CALLIER, RHYS, US
[72] EGAN, RICHARD L., US
[72] FERENCZY, WILLIAM J., US
[72] HALE, MICHAEL JON, US
[73] QUIDEL CORPORATION,
[85] 2014-09-11
[86] 2013-03-01 (PCT/US2013/028743)
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[54] **AN ANNULAR BARRIER WITH A SEAL**
[54] **BARRIERE ANNULAIRE AVEC JOINT**
[72] HALLUNDBÆK, JORGEN, DK
[72] STÆHR, LARS, DK
[73] WELLTEC OILFIELD SOLUTIONS AG,
[85] 2014-09-16
[86] 2013-03-27 (PCT/EP2013/056468)
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[51] **Int.Cl. E04F 15/02 (2006.01) E04F 15/04 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A MECHANICAL LOCKING SYSTEM FOR BUILDING PANELS**
[54] **PROCEDE POUR FABRIQUER UN SYSTEME DE VERROUILLAGE MECANIQUE POUR DES PANNEAUX DE CONSTRUCTION**
[72] BOO, CHRISTIAN, SE
[72] STIGERT, STEFAN, SE
[73] VALINGE INNOVATION AB,
[85] 2014-09-16
[86] 2013-04-03 (PCT/SE2013/050366)
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[30] US (61/620,246) 2012-04-04

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[51] **Int.Cl. A62B 18/00 (2006.01) A62B 99/00 (2009.01) A62B 9/00 (2006.01) B01D 35/143 (2006.01) G09B 9/00 (2006.01) G09B 19/00 (2006.01)**
[25] EN
[54] **A FILTER SIMULATION SYSTEM**
[54] **SYSTEME DE SIMULATION DE FILTRE**
[72] PIKE, STEVEN, GB
[73] ARGON ELECTRONICS (UK) LTD,
[85] 2014-09-17
[86] 2012-12-04 (PCT/GB2012/052998)
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[25] EN
[54] **METHOD OF ASSEMBLING A DISTALIZER**
[54] **PROCEDE D'ASSEMBLAGE DE DISTALISATION**
[72] CARRIERE LLUCH, LUIS, ES
[73] ORTHODONTIC RESEARCH AND DEVELOPMENT, S.L.,
[85] 2014-09-18
[86] 2013-03-28 (PCT/EP2013/056685)
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[51] **Int.Cl. B65D 45/32 (2006.01)**
[25] EN
[54] **LOCKING-RING CLOSURE HAVING AT LEAST ONE SCREW LOCK**
[54] **FERMETURE DE BAGUE DE SERRAGE COMPRENANT AU MOINS UN FERMOIR A VIS**
[72] BUTKUS, MICHAEL, DE
[72] KRUSE, DANIEL, DE
[72] BERG, RALF, DE
[73] BASF COATINGS GMBH,
[85] 2014-09-24
[86] 2013-06-14 (PCT/EP2013/062417)
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[51] **Int.Cl. F24F 11/62 (2018.01) F24F 11/88 (2018.01)**
[25] EN
[54] **MIXED AIR TEMPERATURE SENSOR BYPASS**
[54] **DISPOSITIF DE DERIVATION PAR CAPTEUR DE TEMPERATURE D'AIR MELANGE**
[72] TROXELL, MARCUS, US
[72] RENKER, MICHAEL, US
[73] LENNOX INDUSTRIES INC.,
[86] (2868746)
[87] (2868746)
[22] 2014-10-27
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[54] **TIBIAL PROSTHESIS SYSTEMS, KITS, AND METHODS**
[54] **SYSTEMES DE PROTHESE TIBIALE, TROUSSES ET PROCEDES**
[72] CLAYPOOL, JODY, US
[72] PAPROSKY, WAYNE, US
[72] LEWALLEN, DAVID, US
[72] STUMP, STEVEN, US
[72] CHANA, BARJINDER S., US
[72] FISHER, MICHAEL G., US
[72] JOHANNABER, KENNETH D., US
[72] SIZELOVE, ANDREW P., US
[72] WHITE, STEPHEN E., US
[73] SYNVASIVE TECHNOLOGY, INC.,
[73] ZIMMER, INC.,
[85] 2014-09-26
[86] 2013-03-28 (PCT/US2013/034293)
[87] (WO2013/148960)
[30] US (61/618,376) 2012-03-30
[30] US (61/740,268) 2012-12-20
[30] US (13/836,665) 2013-03-15
[30] US (13/837,294) 2013-03-15
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[51] **Int.Cl. B62D 13/04 (2006.01) B60P 7/12 (2006.01) B62D 13/00 (2006.01) B62D 53/00 (2006.01) B62D 63/06 (2006.01)**
[25] EN
[54] **MECHANICALLY STEERED ARTICULATING DOLLY TRANSPORT SYSTEM**
[54] **SYSTEME DE TRANSPORT A CHARIOTS ARTICULES DIRIGES MECANIQUEMENT**
[72] ORGERON, KEITH J., US
[73] SCHLUMBERGER CANADA LIMITED,
[85] 2014-09-29
[86] 2013-03-28 (PCT/US2013/034449)
[87] (WO2013/149061)
[30] US (61/618,625) 2012-03-30
[30] US (13/852,728) 2013-03-28

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[13] C
[51] **Int.Cl. A61K 8/31 (2006.01) A61K 8/92 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **PRE-BLENDED MIXTURES OF SPECIFIC NATURALLY SOURCED LIQUID MATERIALS STRUCTURED WITH NATURALLY SOURCED HIGH MELTING POINT STRUCTURING MATERIAL**
[54] **MELANGES PRE-MELANGES DE MATIERES LIQUIDES SPECIFIQUES D'ORIGINE NATURELLE, STRUCTURES A L'AIDE D'UNE MATIERE DE STRUCTURATION D'ORIGINE NATURELLE A POINT DE FUSION ELEVE**
[72] LIU, HONGJIE, US
[72] HU, YUNTAO THOMAS, US
[73] UNILEVER PLC,
[85] 2014-10-01
[86] 2013-03-26 (PCT/EP2013/056446)
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[51] **Int.Cl. C03B 37/15 (2006.01) G02B 6/255 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD PROVIDING PARTIAL VACUUM OPERATION OF ARC DISCHARGE FOR CONTROLLED HEATING**
[54] **SYSTEME ET PROCEDE PRODUISANT UN FONCTIONNEMENT DE DECHARGE A ARC SOUS VIDE PARTIEL POUR CHAUFFAGE CONTROLE**
[72] WILEY, ROBERT G., US
[72] CLARK, BRETT, US
[72] LOWER, JOHN, US
[72] TROYER, JASON, US
[72] TROUTMAN, CLYDE J., US
[73] 3SAE TECHNOLOGIES, INC.,
[85] 2014-10-06
[86] 2013-04-08 (PCT/US2013/035665)
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[51] **Int.Cl. G06K 9/78 (2006.01) G16B 45/00 (2019.01) G02B 26/10 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND COMPUTER READABLE MEDIUM FOR IMAGING LARGE AREAS WITH MICROSCOPIC RESOLUTION**
[54] **SYSTEME, METHODE ET SUPPORT INFORMATIQUE LISIBLE DESTINES A L'IMAGERIE DE GRANDES ZONES A RESOLUTION MICROSCOPIQUE**
[72] ABEYTUNGE, SANJEE, US
[72] LI, YONKGIAO, US
[72] LARSON, BJORG, US
[72] RAJADHYAKSHA, MILIND, US
[72] TOLEDO-CROW, RICARDO, US
[73] MEMORIAL SLOAN-KETTERING CANCER CENTER,
[73] ABEYTUNGE, SANJEE,
[85] 2014-10-03
[86] 2013-04-04 (PCT/US2013/035244)
[87] (WO2013/152171)
[30] US (61/620,215) 2012-04-04
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[25] EN
[54] **LOW VOC GLYCOL ETHER COALESCENTS FOR WATER BASED COATINGS**
[54] **AGENTS DE COALESCENCE A BASE D'ETHER DE GLYCOL ET A FAIBLE TENEUR EN COMPOSES ORGANIQUES VOLATILS POUR REVETEMENTS A BASE AQUEUSE**
[72] EMELIE, BRIGITTE, FR
[72] LEFFERS, WILHELM H., DE
[73] DOW GLOBAL TECHNOLOGIES LLC,
[85] 2014-10-08
[86] 2013-03-15 (PCT/US2013/032548)
[87] (WO2013/165618)
[30] US (61/640,205) 2012-04-30

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[51] **Int.Cl. A61K 47/38 (2006.01) A61J 3/07 (2006.01) A61K 9/10 (2006.01) A61K 9/48 (2006.01)**
[25] EN
[54] **AQUEOUS DISPERSIONS OF HYDROXYPROPYL METHYLCELLULOSE ACETATE SUCCINATE (HPMCAS)**
[54] **DISPERSIONS AQUEUSES D'ACETATE ET SUCCINATE D'HYDROXYPROPYLMETHYLCELLULOSE (HPMCAS)**
[72] CADE, DOMINIQUE NICOLAS, FR
[72] STRAUB, HUGUES, FR
[73] CAPSUGEL BELGIUM NV,
[85] 2014-10-09
[86] 2013-03-14 (PCT/EP2013/055298)
[87] (WO2013/164121)
[30] US (61/641,505) 2012-05-02
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[51] **Int.Cl. A61M 15/00 (2006.01)**
[25] EN
[54] **DEVICE FOR INHALING POWDERY SUBSTANCES**
[54] **DISPOSITIF POUR L'INHALATION DE SUBSTANCES PULVERULENTES**
[72] VON SCHUCKMANN, ALFRED, DE
[73] VON SCHUCKMANN, ALFRED,
[85] 2014-10-16
[86] 2013-04-09 (PCT/EP2013/057344)
[87] (WO2013/156339)
[30] DE (10 2012 103 482.6) 2012-04-20

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[51] **Int.Cl. A01F 15/07 (2006.01)**
[25] EN
[54] **BALE FORMING APPARATUS AND METHOD WITH PIVOTAL GUIDING ELEMENT**
[54] **APPAREIL DE FORMATION DE BALLES ET PROCEDE AYANT UN ELEMENT DE GUIDAGE DE PIVOT**
[72] REIJERSEN VAN BUUREN, WILLEM JACOBUS, NL
[72] DE JONG, RUDY, NL
[73] FORAGE COMPANY B.V.,
[85] 2014-10-16
[86] 2013-04-19 (PCT/NL2013/050292)
[87] (WO2013/157952)
[30] NL (2008667) 2012-04-20
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[51] **Int.Cl. G21C 15/00 (2006.01) G21C 1/06 (2006.01)**
[25] EN
[54] **RISER TRANSITION ELEMENT FOR COMPACT NUCLEAR REACTOR**
[54] **ELEMENT DE TRANSITION DU TUBE POUR REACTEUR NUCLEAIRE COMPACT**
[72] SHARGOTS, SCOTT J., US
[73] BWXT MPOWER, INC.,
[85] 2014-10-17
[86] 2013-04-11 (PCT/US2013/036094)
[87] (WO2013/162898)
[30] US (61/625,399) 2012-04-17
[30] US (61/625,764) 2012-04-18
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[13] C
[51] **Int.Cl. F16L 9/12 (2006.01) F16L 11/10 (2006.01) F16L 11/14 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR REINFORCING COMPOSITE PIPES**
[54] **SYSTEME ET PROCEDE POUR RENFORCER DES TUBES COMPOSITES**
[72] TAYLOR, CHRISTOPHER LYNN, US
[73] COMPOSITE FLUID TRANSFER LLC,
[85] 2014-10-17
[86] 2013-04-18 (PCT/US2013/037180)
[87] (WO2013/158885)
[30] US (13/451,103) 2012-04-19

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[51] **Int.Cl. E01B 9/38 (2006.01) E01B 9/00 (2006.01) E01B 9/48 (2006.01)**
[25] EN
[54] **RAIL CLIP CONFIGURED TO HOLD DOWN A RAIL TO A RAIL TIE**
[54] **ATTACHE BOULONNEE CONFIGUREE POUR MAINTENIR UN RAIL SUR UNE TRAVERSE DE CONTRE-RAIL**
[72] YOUNG, HARTLEY FRANK, AU
[72] MEDIAVILLA, JOSE RICARDO, US
[73] PROGRESS RAIL SERVICES CORPORATION,
[85] 2014-10-22
[86] 2013-04-22 (PCT/IB2013/000841)
[87] (WO2013/160760)
[30] AU (2012901583) 2012-04-23

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[13] C
[51] **Int.Cl. G01T 1/208 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR MONITORING PERFORMANCE OF RADIATION DETECTOR**
[54] **APPAREIL ET METHODE DE SURVEILLANCE DU RENDEMENT D'UN DETECTEUR DE RAYONNEMENT**
[72] HOVGAARD, JENS, CA
[73] HOVGAARD, JENS,
[86] (2872362)
[87] (2872362)
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[51] **Int.Cl. B29C 44/06 (2006.01) B60N 2/90 (2018.01) B60N 2/70 (2006.01)**
[25] EN
[54] **HAPTIC MOTOR**
[54] **MOTEUR HAPTIQUE**
[72] ROCKWELL, CHRISTOPHER MARK, US
[72] FRANZ, MICHAEL DAVID, US
[72] KNOEBEL, ALICE, US
[72] KRUEGER, DOUGLAS J., JR., US
[72] VISWANATHAN, ANUP, US
[72] WIEGAND, DANIEL JEROME, US
[73] TOYOTA BOSHOKU AMERICA, INC.,
[85] 2014-11-12
[86] 2013-05-08 (PCT/US2013/040034)
[87] (WO2013/173136)
[30] US (13/475,081) 2012-05-18

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[13] C
[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/00 (2006.01) A61B 5/1486 (2006.01) A61B 5/1495 (2006.01)**
[25] EN
[54] **APPLICATION OF ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY IN SENSOR SYSTEMS, DEVICES, AND RELATED METHODS**
[54] **APPLICATION DE SPECTROSCOPIE A IMPEDANCE ELECTROCHIMIQUE DANS DES SYSTEMES DE CAPTEUR, DISPOSITIFS ET PROCEDES ASSOCIES**
[72] YANG, NING, US
[72] GAUTHAM, RAGHAVENDHAR, US
[72] LIANG, BRADLEY C., US
[72] SHAH, RAJIV, US
[72] SZYMAN, CATHERINE M., US
[72] MILLER, MICHAEL E., US
[72] WANG, JENN-HANN LARRY, US
[72] LI, YIWEN, US
[72] MORGAN, WAYNE A., US
[72] CHEN, PARIS, US
[72] MUCIC, ROBERT C., US
[72] DE BARROS, GENIVAL D., US
[72] CALLIRGOS, CARLOS A., US
[72] SIRIGIRI, MANJUNATH, US
[72] BRINSON, JOSEPH PAUL, US
[73] MEDTRONIC MINIMED, INC.,
[85] 2014-11-17
[86] 2013-05-24 (PCT/US2013/042680)
[87] (WO2013/184416)
[30] US (61/657,517) 2012-06-08
[30] US (61/754,479) 2013-01-18
[30] US (61/754,483) 2013-01-18
[30] US (61/754,485) 2013-01-18
[30] US (61/754,475) 2013-01-18
[30] US (61/755,811) 2013-01-23
[30] US (13/778,630) 2013-02-27
[30] US (13/778,391) 2013-02-27
[30] US (13/778,416) 2013-02-27
[30] US (13/778,433) 2013-02-27
[30] US (13/778,473) 2013-02-27
[30] US (13/778,514) 2013-02-27
[30] US (13/778,559) 2013-02-27
[30] US (13/778,611) 2013-02-27

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[13] C
[51] **Int.Cl. C02F 1/52 (2006.01) C02F 1/58 (2006.01) C02F 1/66 (2006.01)**
[25] EN
[54] **METALLOID CONTAMINATED WATER SOLUTION PURIFICATION PROCESS FOR SAFE HUMAN CONSUMPTION-RATED REDUCTION OF CONTAMINANT CONCENTRATION THEREIN, BY PRECIPITATION WITHOUT OXIDATION**
[54] **PROCEDE DE PURIFICATION D'UNE SOLUTION AQUEUSE CONTAMINEE PAR DES METALLOIDES, LEDIT PROCEDE ASSURANT UNE REDUCTION DE LA CONCENTRATION EN CONTAMINANTS DE LADITE SOLUTION AFIN QUE CETTE DERNIERE PUISSE ETRE CONSOMMEE SANS DANGER PAR L'ETRE HUMAIN, ET CE, PAR PRECIPITATION SANS OXYDATION**
[72] LALIBERTE, MARC, CA
[73] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT,
[85] 2014-11-19
[86] 2013-06-26 (PCT/CA2013/000603)
[87] (WO2014/005216)
[30] US (61/667,706) 2012-07-03

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[51] **Int.Cl. G07C 1/30 (2006.01) G06Q 20/32 (2012.01) G07F 17/24 (2006.01)**
[25] EN
[54] **SINGLE SPACE PARKING METER AND REMOVABLE SINGLE SPACE PARKING METER MECHANISM**
[54] **PARCOMETRE POUR AIRE DE STATIONNEMENT SIMPLE ET MECANISME DE PARCOMETRE AMOVIBLE POUR AIRE DE STATIONNEMENT SIMPLE**
[72] MACKAY, GEORGE ALLAN, CA
[72] CHAUVIN, GREGORY EMILE, CA
[72] MCLARTY, SHAMUS JOHN ANGUS, CA
[72] GARVEY, BEN, CA
[73] J.J. MACKAY CANADA LIMITED,
[86] (2874155)
[87] (2874155)
[22] 2012-03-02
[62] 2,770,093
[30] CA (2,733,110) 2011-03-03
[30] CA (2,756,489) 2011-10-28

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[13] C
[51] **Int.Cl. A23K 40/25 (2016.01) A23K 10/00 (2016.01) A23K 20/142 (2016.01) A23K 20/163 (2016.01) A23L 29/20 (2016.01) A23P 30/20 (2016.01) A01K 5/02 (2006.01)**
[25] EN
[54] **EXTRUDED PET FOOD COMPOSITION**
[54] **COMPOSITION D'ALIMENT EXTRUDE POUR ANIMAL DOMESTIQUE**
[72] VILLAGRAN, MARIA DOLORES MARTINEZ, US
[72] AIREN, ISOKEN OMOSEFE, US
[72] MOONEY, JOAN HELEN, US
[72] DURITSCH, GREGORY WILLIAM, US
[72] SCHILDKNECHT, WILLIAM CHRISTOPHER, US
[73] MARS, INCORPORATED,
[85] 2014-11-21
[86] 2013-05-21 (PCT/US2013/041991)
[87] (WO2013/177143)
[30] US (61/649,871) 2012-05-21
[30] US (61/650,400) 2012-05-22

[11] **2,874,666**
[13] C
[51] **Int.Cl. H02N 11/00 (2006.01)**
[25] EN
[54] **INTERACTING COMPLEX ELECTRIC FIELDS AND STATIC ELECTRIC FIELDS TO EFFECT MOTION**
[54] **CHAMPS ELECTRIQUES COMPLEXES ET CHAMPS ELECTRIQUES STATIQUES INTERAGISSANT POUR PRODUIRE UN MOUVEMENT**
[72] BANDURIC, RICHARD, US
[73] BANDURIC, RICHARD,
[85] 2014-11-24
[86] 2013-06-28 (PCT/US2013/048410)
[87] (WO2014/008116)
[30] US (13/543,688) 2012-07-06

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[13] C
[51] **Int.Cl. F16C 33/66 (2006.01) B64C 11/00 (2006.01)**
[25] FR
[54] **BEARING WITH LUBRICATION MEANS AND SYSTEM FOR CHANGING THE PITCH OF THE BLADES OF A TURBOPROP PROPELLER OF AN AIRCRAFT EQUIPPED WITH SAID BEARING**
[54] **PALIER A MOYEN DE LUBRIFICATION ET SYSTEME POUR CHANGER LE PAS DES PALES D'UNE HELICE DE TURBOPROPULSEUR D'AERONEF, EQUIPE DUDIT PALIER**
[72] FRANTZ, CAROLINE, FR
[72] IGEL, DOMINIQUE, FR
[72] HUGON, NADEGE, FR
[72] CURLIER, AUGUSTIN, FR
[73] SNECMA,
[85] 2014-11-25
[86] 2013-06-27 (PCT/FR2013/051502)
[87] (WO2014/001723)
[30] FR (1256140) 2012-06-27

[11] **2,874,951**
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[25] EN
[54] **AQUEOUS COATING COMPOSITION WITH IMPROVED STABILITY**
[54] **COMPOSITION DE REVETEMENT AQUEUSE A STABILITE AMELIOREE**
[72] WANG, TAO, CN
[72] CHEN, JUNYU, CN
[72] WANG, TAO, AU
[72] WANG, YUJIANG, CN
[72] CUI, LONGLAN, CN
[73] DOW GLOBAL TECHNOLOGIES LLC,
[73] ROHM AND HAAS COMPANY,
[85] 2014-11-27
[86] 2012-06-05 (PCT/CN2012/076475)
[87] (WO2013/181793)

[11] **2,875,324**
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[51] **Int.Cl. G08B 13/12 (2006.01) G02B 6/44 (2006.01) G08B 13/14 (2006.01)**
[25] EN
[54] **CURRENTLESS OPTICAL SWITCH**
[54] **INTERRUPTEUR OPTIQUE SANS COURANT**
[72] LOOS, GUY, LU
[73] EOLIS MEDI@ COMPANY,
[85] 2014-12-01
[86] 2013-06-12 (PCT/EP2013/062108)
[87] (WO2013/186245)
[30] LU (LU 92020) 2012-06-12

[11] **2,875,355**
[13] C
[51] **Int.Cl. A01K 1/03 (2006.01) A01K 11/00 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR WIRELESS CHARGING OF A BIOELECTRONIC DEVICE IMPLANTED IN A LABORATORY ANIMAL OR IN A HUMAN BEING**
[54] **PROCEDE ET APPAREIL DE CHARGE SANS FIL D'UN DISPOSITIF BIOELECTRONIQUE IMPLANTE CHEZ UN ANIMAL DE LABORATOIRE OU CHEZ UN ETRE HUMAIN**
[72] ROMANELLI, PANTALEO, IT
[72] PARIS, ANTONINO, IT
[72] MARCHETTI, STEFANO, IT
[73] AB MEDICA S.P.A.,
[85] 2014-12-01
[86] 2013-06-18 (PCT/IB2013/055009)
[87] (WO2013/190471)
[30] IT (MI2012A001049) 2012-06-18

[11] **2,876,335**
[13] C
[51] **Int.Cl. G02B 27/01 (2006.01) G02B 30/35 (2020.01) G02B 6/122 (2006.01)**
[25] EN
[54] **MULTIPLE DEPTH PLANE THREE-DIMENSIONAL DISPLAY USING A WAVE GUIDE REFLECTOR ARRAY PROJECTOR**
[54] **AFFICHAGE TRIDIMENSIONNEL A PLANS DE PROFONDEUR MULTIPLES UTILISANT UN PROJECTEUR A RESEAU REFLECTEUR DE GUIDE D'ONDES**
[72] MACNAMARA, JOHN GRAHAM, US
[73] MAGIC LEAP, INC.,
[85] 2014-12-10
[86] 2013-06-11 (PCT/US2013/045267)
[87] (WO2013/188464)
[30] US (61/658,355) 2012-06-11

[11] **2,876,394**
[13] C
[51] **Int.Cl. C08J 7/12 (2006.01) C08F 8/06 (2006.01)**
[25] EN
[54] **POLYMER SURFACES WITH INCREASED SURFACE ENERGY AND APPROPRIATE PRODUCTION METHOD**
[54] **SURFACES DE POLYMERE AYANT UNE ENERGIE DE SURFACE AUGMENTEE ET PROCEDE DE PRODUCTION APPROPRIE**
[72] MEHNERT, REINER, DE
[72] PREISSLER, HERBERT, DE
[72] RIEDEL, CARSTEN, DE
[72] NICKERT, THOMAS, DE
[73] THOMAS NICKERT DRUCKVEREDELUNG GMBH,
[73] INNOVATIVE OBERFLACHENTECHNOLOGIEN GMBH,
[85] 2014-12-11
[86] 2013-03-14 (PCT/EP2013/000767)
[87] (WO2013/167214)
[30] DE (10 2012 008 789.6) 2012-05-07

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[13] C
[51] **Int.Cl. H01R 9/05 (2006.01) H01B 11/18 (2006.01)**
[25] EN
[54] **COAXIAL CABLE CONNECTOR WITH INTEGRAL CONTINUITY CONTACTING PORTION**
[54] **CONNECTEUR DE CABLE COAXIAL A PARTIE INTEGREE DE CONTACT DE CONTINUITE**
[72] BURRIS, DONALD A., US
[73] CORNING OPTICAL COMMUNICATIONS RF LLC,
[85] 2014-08-20
[86] 2013-02-22 (PCT/US2013/027222)
[87] (WO2013/126629)
[30] US (61/601,821) 2012-02-22
[30] US (13/652,969) 2012-10-16

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[13] C
[51] **Int.Cl. B64F 1/18 (2006.01) B64F 1/20 (2006.01) G01J 1/02 (2006.01)**
[25] EN
[54] **MOBILE APPARATUS FOR CHECKING AIRPORT MARKER LIGHTS**
[54] **EQUIPEMENT MOBILE DE CONTROLE DES FEUX DE BALISAGE AEROPORTUAIRE**
[72] LE CAM, LIONEL, FR
[73] FB TECHNOLOGY,
[85] 2014-12-17
[86] 2012-09-13 (PCT/EP2012/068011)
[87] (WO2013/037921)
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[51] **Int.Cl. B29C 45/78 (2006.01) B29C 45/73 (2006.01) B29C 45/77 (2006.01)**
[25] EN
[54] **RESIN INJECTION MOLDING METHOD AND RESIN INJECTION MOLDED PRODUCT**
[54] **PROCEDE DE MOULAGE DE RESINE PAR INJECTION ET PRODUIT MOULE DE RESINE PAR INJECTION**
[72] FUJITA, YOSHIKAZU, JP
[72] IMAI, YOSHIAKI, JP
[72] OKAHARA, ETSUO, JP
[73] KUMI KASEI CO., LTD.,
[73] UBE MACHINERY CORPORATION, LTD.,
[85] 2014-12-17
[86] 2013-06-20 (PCT/JP2013/066946)
[87] (WO2013/191241)
[30] JP (2012-141382) 2012-06-22

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[51] **Int.Cl. C07J 9/00 (2006.01) A61K 31/575 (2006.01) A61P 1/16 (2006.01)**
[25] EN
[54] **PREPARATION, USES AND SOLID FORMS OF OBETICHOLIC ACID**
[54] **PREPARATION, UTILISATIONS ET FORMES SOLIDES D'ACIDE OBETICHOLIQUE**
[72] STEINER, ANDRE, DE
[72] WAENERLUND POULSEN, HEIDI, DK
[72] JOLIBOIS, EMILIE, GB
[72] REWOLINSKI, MELISSA, US
[72] GROSS, RALF, DE
[72] SHARP, EMMA, GB
[72] DUBAS-FISHER, FIONA, GB
[72] EBERLIN, ALEX, GB
[73] INTERCEPT PHARMACEUTICALS, INC.,
[85] 2014-12-17
[86] 2013-06-17 (PCT/US2013/046150)
[87] (WO2013/192097)
[30] US (61/661,531) 2012-06-19

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[13] C
[51] **Int.Cl. G01F 1/075 (2006.01) G01F 15/14 (2006.01) G01F 15/18 (2006.01)**
[25] EN
[54] **FLOWMETER**
[54] **DEBITMETRE**
[72] LAUBER, STEFAN, CH
[72] SCHNEIDER, STEFAN, CH
[72] SIGRIST, MARTIN, CH
[72] RUSCH, CHRISTOPH, CH
[72] FRELY, JEAN-CLAUDE, CH
[73] DIGMESA AG,
[85] 2014-12-18
[86] 2013-07-01 (PCT/EP2013/063844)
[87] (WO2014/006001)
[30] EP (12174615.0) 2012-07-02

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[51] **Int.Cl. G01N 27/26 (2006.01) G01N 27/447 (2006.01)**
[25] EN
[54] **SAMPLE DEPENDENT SELECTION OF PARAMETERS FOR USE IN ELECTROKINETIC TREATMENT OF THE SAMPLE**
[54] **SELECTION DE PARAMETRES EN FONCTION DE L'ECHANTILLON, DESTINEE A ETRE UTILISEE DANS UN TRAITEMENT ELECTROCINETIQUE DE L'ECHANTILLON**
[72] GAU, JEN-JR, US
[73] GENEFLUIDICS, INC.,
[85] 2015-01-06
[86] 2013-07-08 (PCT/US2013/049619)
[87] (WO2014/014696)
[30] US (61/741,312) 2012-07-16

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[51] **Int.Cl. C08B 37/14 (2006.01) B01J 3/00 (2006.01) D21C 1/02 (2006.01) D21C 1/10 (2006.01)**
[25] EN
[54] **METHOD FOR EXTRACTING BIOMASS**
[54] **PROCEDE POUR L'EXTRACTION DE BIOMASSE**
[72] VON SCHOULTZ, SEBASTIAN, FI
[73] CH-BIOFORCE OY,
[85] 2015-01-07
[86] 2013-07-01 (PCT/FI2013/050723)
[87] (WO2014/009604)
[30] FI (20120229) 2012-07-11

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[13] C
[51] **Int.Cl. C07C 273/16 (2006.01)**
[25] EN
[54] **CONCENTRATION OF THE UREA SOLUTION IN A PROCESS FOR THE SYNTHESIS OF UREA**
[54] **CONCENTRATION DE LA SOLUTION D'UREE DANS UN PROCEDE DE SYNTHESE D'UREE**
[72] SCOTTO, ANDREA, CH
[73] CASALE SA,
[85] 2015-01-20
[86] 2013-07-03 (PCT/EP2013/064045)
[87] (WO2014/016090)
[30] EP (12178262.7) 2012-07-27

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[13] C
[51] **Int.Cl. E04H 1/00 (2006.01) E04B 1/343 (2006.01) E04H 5/02 (2006.01) H05K 7/14 (2006.01)**
[25] EN
[54] **DATA CENTRE**
[54] **CENTRE DE DONNEES**
[72] ROGERS, PAUL, GB
[73] BRIPCO BVBA,
[85] 2015-01-20
[86] 2012-08-03 (PCT/GB2012/051894)
[87] (WO2013/021182)
[30] GB (1113556.3) 2011-08-05

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[13] C
[51] **Int.Cl. B67D 7/78 (2010.01) B67D 7/00 (2010.01) B65G 51/00 (2006.01)**
[25] EN
[54] **REFILLABLE MATERIAL TRANSFER SYSTEM**
[54] **SYSTEME DE TRANSFERT DE MATERIAUX RECHARGEABLE**
[72] THIBODEAU, ROBERT D., US
[72] WILLIAMS, ERIC A., US
[72] LEVENSTEIN, LAWRENCE M., US
[73] C. H. & I. TECHNOLOGIES, INC.,
[86] (2879609)
[87] (2879609)
[22] 2015-01-26
[30] US (14/167,882) 2014-01-29

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[13] C
[51] **Int.Cl. H02J 4/00 (2006.01) H04W 88/00 (2009.01) F21K 9/00 (2016.01) F21S 8/08 (2006.01) H04B 3/54 (2006.01)**
[25] EN
[54] **LIGHT FIXTURE HAVING POWER OVER ETHERNET POWER SOURCING EQUIPMENT**
[54] **LUMINAIRE AYANT UN EQUIPEMENT DE SOURCAGE DE PUISSANCE DE PUISSANCE SUR ETHERNET**
[72] LEPARD, DONALD E., US
[73] SMART CITY MGT., LLC,
[85] 2015-01-07
[86] 2013-07-02 (PCT/US2013/049088)
[87] (WO2014/011444)
[30] US (13/544,644) 2012-07-09

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[13] C
[51] **Int.Cl. G01N 21/77 (2006.01) B82Y 20/00 (2011.01)**
[25] EN
[54] **PROTEIN SPECIFIC OPTICAL DETECTION**
[54] **DETECTION OPTIQUE SPECIFIQUE A PROTEINE**
[72] MIELNIK, MICHAL MAREK, NO
[72] GREPSTAD, JON OLAV, NO
[72] JOHANSEN, IB-RUNE, NO
[73] SINTEF TTO AS,
[85] 2015-02-06
[86] 2013-08-13 (PCT/EP2013/066880)
[87] (WO2014/026968)
[30] NO (20120916) 2012-08-16

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[13] C
[51] **Int.Cl. H04H 20/62 (2009.01) H04H 20/40 (2009.01) H04H 20/71 (2009.01) H04H 60/80 (2009.01)**
[25] EN
[54] **MESH NETWORK BASED AUTOMATED UPLOAD OF CONTENT TO AIRCRAFT**
[54] **TELECHARGEMENT EN AMONT AUTOMATISE DE CONTENU BASE SUR UN RESEAU MAILLE VERS DES AERONEFS**
[72] LAUER, BRYAN A., US
[73] GOGO LLC,
[85] 2015-02-09
[86] 2013-05-06 (PCT/US2013/039634)
[87] (WO2014/011310)
[30] US (13/544,742) 2012-07-09

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[13] C
[51] **Int.Cl. A01K 5/02 (2006.01)**
[25] EN
[54] **FEEDING APPARATUS FOR SUPPLYING FEED TO A TROUGH AND A METHOD OF MONITORING THE FUNCTIONING OF SUCH A FEEDING APPARATUS**
[54] **APPAREIL D'ALIMENTATION DESTINE A ALIMENTER UNE MANGEOIRE EN ALIMENTS POUR ANIMAUX, ET PROCEDE DE SURVEILLANCE DU FONCTIONNEMENT D'UN TEL APPAREIL D'ALIMENTATION**
[72] EPEMA, DAVID, NL
[73] LELY PATENT N.V.,
[85] 2015-02-10
[86] 2013-07-19 (PCT/NL2013/050546)
[87] (WO2014/030994)
[30] NL (2009339) 2012-08-22
[30] NL (2010026) 2012-12-20

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[13] C
[51] **Int.Cl. A47L 5/28 (2006.01) A47L 9/00 (2006.01) A47L 9/02 (2006.01)**
[25] EN
[54] **SURFACE CLEANING APPARATUS**
[54] **APPAREIL DE NETTOYAGE DE SURFACE**
[72] BILGER, DAN, US
[72] ST. AMAND, SUSAN RIFKIN, US
[73] SHARKNINJA OPERATING LLC,
[85] 2015-02-12
[86] 2013-03-08 (PCT/US2013/029862)
[87] (WO2013/134637)
[30] US (61/608,919) 2012-03-09

[11] **2,881,870**
[13] C
[51] **Int.Cl. F16D 65/095 (2006.01) F16D 65/097 (2006.01)**
[25] EN
[54] **DISC BRAKE PAD MOUNTING AND RETENTION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE MONTAGE ET DE RETENUE DE PLAQUETTES DE FREIN A DISQUE**
[72] PLANTAN, RONALD S., US
[72] RADHAKRISHNAN, HARISH, US
[72] WOLF, DENNIS A., US
[72] LANTZ, RICHARD L., US
[72] ROBERTS, WILL E., US
[72] BELL, STEVEN C., US
[73] BENDIX SPICER FOUNDATION BRAKE LLC,
[85] 2015-02-12
[86] 2013-08-13 (PCT/US2013/054684)
[87] (WO2014/028458)
[30] US (13/588,481) 2012-08-17

[11] **2,882,689**
[13] C
[51] **Int.Cl. A61M 5/00 (2006.01) B65B 7/28 (2006.01)**
[25] EN
[54] **COMPONENTS PACKAGING STRUCTURE FOR PHARMACEUTICAL CONTAINERS**
[54] **STRUCTURE D'EMBALLAGE D'ELEMENTS POUR RECIPIENTS PHARMACEUTIQUES**
[72] NICOLETTI, FABIANO, IT
[72] FEDEGARI, GIUSEPPE, IT
[73] STEVANATO GROUP INTERNATIONAL A.S.,
[73] FEDEGARI AUTOCLAVI S.P.A.,
[85] 2015-02-20
[86] 2013-08-28 (PCT/IT2013/000230)
[87] (WO2014/033766)
[30] IT (VI2012A000215) 2012-08-30

[11] **2,882,858**
[13] C
[51] **Int.Cl. H05B 47/11 (2020.01) F21K 9/00 (2016.01) F21V 5/04 (2006.01) F21K 9/69 (2016.01)**
[25] EN
[54] **LIGHT HAVING AN OMNIDIRECTIONAL AMBIENT LIGHT COLLECTOR**
[54] **LAMPE AYANT UN COLLECTEUR DE LUMIERE AMBIANTE OMNIDIRECTIONNEL**
[72] MCDADE, NIMROD, US
[72] BRUNER, RUSSELL, US
[72] KAM, HANDANI, US
[73] SPX CORPORATION,
[85] 2015-02-23
[86] 2013-08-21 (PCT/US2013/055958)
[87] (WO2014/031729)
[30] US (61/691,968) 2012-08-22

[11] **2,884,298**
[13] C
[51] **Int.Cl. H04N 19/46 (2014.01) H04N 19/136 (2014.01) H04N 19/44 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **EXPANDED DECODING UNIT DEFINITION**
[54] **DEFINITION D'UNE UNITE DE DECODAGE ETENDUE**
[72] WANG, YE-KUI, US
[73] QUALCOMM INCORPORATED,
[85] 2015-03-06
[86] 2013-09-23 (PCT/US2013/061224)
[87] (WO2014/047583)
[30] US (61/705,119) 2012-09-24
[30] US (61/708,475) 2012-10-01
[30] US (14/033,308) 2013-09-20

[11] **2,884,507**
[13] C
[51] **Int.Cl. B41F 31/02 (2006.01)**
[25] EN
[54] **INKING DEVICE FOR PRINTING MACHINES**
[54] **DISPOSITIF D'ENCRAGE DESTINE A UNE IMPRESSION**
[72] BICEGO, ALESSANDRO, IT
[72] ALBRIGI, FEDERICO, IT
[72] RESENTERA, MASSIMO, IT
[72] RUSSO, STEFANO, IT
[73] UTECO CONVERTING S.P.A.,
[85] 2015-03-10
[86] 2013-09-11 (PCT/IB2013/058451)
[87] (WO2014/041484)
[30] IT (VR2012A000185) 2012-09-13

[11] **2,884,515**
[13] C
[51] **Int.Cl. A23D 7/00 (2006.01) A23D 7/02 (2006.01)**
[25] EN
[54] **EDIBLE WATER-IN-OIL EMULSION AND A PROCESS FOR PREPARING SUCH EMULSION.**
[54] **EMULSION COMESTIBLE D'EAU DANS L'HUILE ET PROCEDE POUR LA PREPARATION D'UNE TELLE EMULSION.**
[72] FLOTER, ECKHARD, DE
[72] DE MAN, TEUNIS, NL
[72] SANTOS RIBEIRO, HENELYTA, NL
[73] UNILEVER BCS LIMITED,
[85] 2015-03-11
[86] 2013-09-11 (PCT/EP2013/068773)
[87] (WO2014/044582)
[30] EP (12185410.3) 2012-09-21

[11] **2,884,594**
[13] C
[51] **Int.Cl. C12N 15/81 (2006.01) C12N 1/19 (2006.01) C12N 7/01 (2006.01) C12N 15/09 (2006.01) C12N 15/33 (2006.01) C12N 15/63 (2006.01) C12N 15/66 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **RECOMBINANT PHAGE AND METHODS**
[54] **PHAGE RECOMBINANT ET PROCEDES ASSOCIES**
[72] LU, TIMOTHY KUAN TA, US
[72] KOERIS, MICHAEL SANDOR, US
[72] CHEVALIER, BRETT SMITH, US
[72] HOLDER, JASON WYATT, US
[72] MCKENZIE, GREGORY JOHN, US
[72] BROWNELL, DANIEL ROBERT, US
[73] INSTITUTE FOR ENVIRONMENTAL HEALTH, INC.,
[85] 2015-03-11
[86] 2012-09-26 (PCT/US2012/057214)
[87] (WO2013/049121)
[30] US (61/539,454) 2011-09-26
[30] US (61/549,743) 2011-10-20
[30] US (61/642,691) 2012-05-04

[11] **2,884,675**
[13] C
[51] **Int.Cl. H01H 9/02 (2006.01) H01H 71/08 (2006.01) H01R 13/447 (2006.01) H01R 13/641 (2006.01)**
[25] EN
[54] **CIRCUIT BREAKER TERMINAL SHIELD WITH POSITION INDICATOR**
[54] **BLINDAGE DE BORNE DE DISJONCTEUR AVEC INDICATEUR DE POSITION**
[72] SISLEY, JAMES PATRICK, US
[72] MALINGOWSKI, RICHARD PAUL, US
[72] PUHALLA, CRAIG JOSEPH, US
[72] MCCARTHY, KELLY J., US
[73] EATON INTELLIGENT POWER LIMITED,
[85] 2015-03-11
[86] 2013-10-22 (PCT/US2013/066046)
[87] (WO2014/088715)
[30] US (13/705,208) 2012-12-05

[11] **2,885,089**
[13] C
[51] **Int.Cl. A24C 5/14 (2006.01) A24C 5/40 (2006.01)**
[25] EN
[54] **SEMI-AUTOMATIC AND FULLY-AUTOMATIC CIGARETTE-MAKING MACHINES FOR MAKING CIGARETTES OF VARYING LENGTHS**
[54] **MACHINES AUTOMATIQUES ET SEMI-AUTOMATIQUES SERVANT A FABRIQUER DES CIGARETTES DE DIFFERENTES LONGUEURS**
[72] LIN, MEI, US
[72] LIN, JEONGQIANG, CN
[73] REPUBLIC TOBACCO L.P.,
[86] (2885089)
[87] (2885089)
[22] 2015-03-10
[30] US (14/602,064) 2015-01-21

[11] **2,885,162**
[13] C
[51] **Int.Cl. G06F 3/00 (2006.01) G06F 3/0488 (2013.01) G06F 3/01 (2006.01) G06F 3/03 (2006.01)**
[25] EN
[54] **METHOD FOR SELECTING INTERACTIVITY MODE**
[54] **METHODE DE SELECTION DE MODE D'INTERACTIVITE**
[72] ANQUETIL, ERIC, FR
[72] ALMAKSOUR, ABDULLAH, FR
[72] RICHARD, GREGOIRE, FR
[73] INSTITUT NATIONAL DE SCIENCES APPLIQUEES,
[85] 2015-03-16
[86] 2013-09-19 (PCT/EP2013/069439)
[87] (WO2014/044740)
[30] FR (1258803) 2012-09-19

[11] **2,885,225**
[13] C
[51] **Int.Cl. G05D 1/00 (2006.01)**
[25] EN
[54] **METHOD FOR THE CALCULATION OF FLIGHT PATHS TAKING INTO CONSIDERATION EVENTS OF RELEVANCE FOR RADIATION DOSE**
[54] **PROCEDE DE CALCUL D'UN ITINERAIRE DE VOL TENANT COMPTE D'EVENEMENTS SIGNIFICATIFS POUR LES DOSES DE RADIATION**
[72] MATTHIA, DANIEL, DE
[72] MEIER, MATTHIAS, DE
[72] WIRTZ, MICHAEL, DE
[73] DEUTSCHES ZENTRUM FUR LUFT- UND RAUMFAHRT E.V.,
[85] 2015-03-17
[86] 2013-08-28 (PCT/EP2013/067843)
[87] (WO2014/044511)
[30] DE (10 2012 217 038.3) 2012-09-21

[11] **2,886,339**
[13] C
[51] **Int.Cl. F21V 8/00 (2006.01) G02B 5/18 (2006.01) G02B 27/01 (2006.01) G02B 27/42 (2006.01)**
[25] EN
[54] **OPTICAL DEVICE WITH DIFFRACTIVE GRATING**
[54] **DISPOSITIF OPTIQUE EQUIPE DE GRILLE A DIFFRACTION**
[72] SUNNARI, ANTTI, FI
[72] HUTTUNEN, OLLI-HEIKKI, FI
[72] OLKKONEN, JUUSO, FI
[73] DISPELIX OY,
[85] 2015-03-20
[86] 2013-09-18 (PCT/FI2013/050903)
[87] (WO2014/044912)
[30] FI (20125971) 2012-09-20

[11] **2,886,604**
[13] C
[51] **Int.Cl. B42D 25/378 (2014.01) G07D 7/12 (2016.01)**
[25] EN
[54] **SECURITY ELEMENT, MANUFACTURING METHOD, DATA CARRIER EQUIPPED WITH SAID SECURITY ELEMENT, AND METHOD FOR CHECKING AUTHENTICITY**
[54] **ELEMENT DE SECURITE, PROCEDE DE FABRICATION, SUPPORT DE DONNEES EQUIPE DE CET ELEMENT DE SECURITE ET PROCEDE DE CONTROLE D'AUTHENTICITE**
[72] HABIK, KLAUS, DE
[72] OTTO, DANIELA, DE
[72] SAFADI, DIANA, DE
[73] GIESECKE+DEVRIENT CURRENCY TECHNOLOGY GMBH,
[85] 2015-03-30
[86] 2013-11-29 (PCT/EP2013/003620)
[87] (WO2014/082754)
[30] DE (10 2012 023 446.5) 2012-11-30
[30] DE (10 2013 008 505.5) 2013-05-16

[11] **2,887,121**
[13] C
[51] **Int.Cl. H01H 71/08 (2006.01) H01H 71/16 (2006.01)**
[25] EN
[54] **ELECTRICAL SWITCHING APPARATUS AND CONDUCTOR ASSEMBLY THEREFOR**
[54] **APPAREIL DE COMMUTATION ELECTRIQUE ET ENSEMBLE CONDUCTEUR POUR CELUI-CI**
[72] MALONEY, JAMES G., US
[72] LINDSAY, WILBERT E., US
[72] ERB, MICHAEL J., US
[73] EATON INTELLIGENT POWER LIMITED,
[85] 2015-04-01
[86] 2013-10-21 (PCT/US2013/065910)
[87] (WO2014/088713)
[30] US (13/692,296) 2012-12-03

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[13] C
[51] **Int.Cl. H01H 1/02 (2006.01) H01H 1/22 (2006.01)**
[25] EN
[54] **ELECTRICAL SWITCHING APPARATUS AND MOVABLE CONTACT ARM ASSEMBLY THEREFOR**
[54] **APPAREIL DE COMMUTATION ELECTRIQUE ET ENSEMBLE BRAS DE CONTACT MOBILE POUR CELUI-CI**
[72] MALONEY, JAMES G., US
[72] HELMS, ROGER W., US
[73] EATON INTELLIGENT POWER LIMITED,
[85] 2015-04-01
[86] 2013-10-21 (PCT/US2013/065914)
[87] (WO2014/088714)
[30] US (13/692,053) 2012-12-03

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[13] C
[51] **Int.Cl. H04L 12/749 (2013.01) H04L 12/24 (2006.01)**
[25] EN
[54] **ADAPTIVE PREFIX DELEGATION**
[54] **DELEGATION DE PREFIXES ADAPTATIVE**
[72] GRUNDEMAN, CHRISTOPHER, US
[72] DONLEY, CHRISTOPER J., US
[73] CABLE TELEVISION LABORATORIES, INC.,
[85] 2015-04-09
[86] 2013-06-30 (PCT/US2013/048833)
[87] (WO2014/058488)
[30] US (61/712,318) 2012-10-11
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[13] C
[51] **Int.Cl. G06F 12/02 (2006.01) G11C 16/34 (2006.01) G11C 29/02 (2006.01)**
[25] EN
[54] **MEMORY SEGMENT REMAPPING TO ADDRESS FRAGMENTATION**
[54] **REMAPPAGE DE SEGMENTS DE MEMOIRE POUR LA FRAGMENTATION D'ADRESSE**
[72] STRAUSS, KARIN, US
[72] SMITH, BURTON J., US
[72] MCKINLEY, KATHRYN S., US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC,
[85] 2015-04-08
[86] 2013-11-15 (PCT/US2013/070365)
[87] (WO2014/078695)
[30] US (13/678,941) 2012-11-16

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[13] C
[51] **Int.Cl. F03D 1/06 (2006.01) B29C 65/00 (2006.01) B29C 65/48 (2006.01)**
[25] EN
[54] **WIND TURBINE HAVING EXTERNAL GLUING FLANGES NEAR FLAT BACK PANEL**
[54] **TURBINE EOLIENNE AYANT DES REBORDS DE COLLAGE EXTERNES PRES D'UN PANNEAU ARRIERE PLAT**
[72] RUIJTER, WOUT, DK
[73] ENVISION ENERGY (DENMARK) APS,
[85] 2015-04-15
[86] 2013-10-07 (PCT/DK2013/050316)
[87] (WO2014/059989)
[30] DK (PA 2012 70630) 2012-10-16

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[13] C
[51] **Int.Cl. A45C 3/00 (2006.01) A45C 13/03 (2006.01) B65D 85/18 (2006.01)**
[25] EN
[54] **GARMENT CARRIER**
[54] **PORTE-VETEMENT**
[72] FRASER, SCOTT, AU
[73] SUITPACK PTY LTD,
[85] 2015-04-15
[86] 2013-10-21 (PCT/AU2013/001219)
[87] (WO2014/071441)
[30] AU (2012904920) 2012-11-09

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[13] C
[51] **Int.Cl. B66C 23/78 (2006.01) B66F 17/00 (2006.01) E06C 5/04 (2006.01)**
[25] EN
[54] **UTILITY VEHICLE WITH MONITORING SYSTEM FOR MONITORING THE POSITION OF THE VEHICLE**
[54] **VEHICULE UTILITAIRE AYANT UN SYSTEME DE SURVEILLANCE POUR SURVEILLER LA POSITION DU VEHICULE**
[72] KRAEMER, JENS, DE
[73] IVECO MAGIRUS AG,
[85] 2015-04-15
[86] 2013-10-16 (PCT/EP2013/071626)
[87] (WO2014/060476)
[30] EP (12188798.8) 2012-10-17

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[13] C
[51] **Int.Cl. E06B 9/17 (2006.01)**
[25] EN
[54] **SWITCH LADDER SENSOR FOR ROLL-UP DOOR**
[54] **CAPTEUR D'ECHELLE A COMMUTATEUR POUR PORTE A RIDEAU**
[72] SCHUMACHER, ANDREW, US
[72] EGGERT, CURTIS, US
[73] RYTEC CORPORATION,
[85] 2015-04-16
[86] 2013-10-18 (PCT/US2013/065635)
[87] (WO2014/066158)
[30] US (61/716,811) 2012-10-22

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[13] C
[51] **Int.Cl. C10M 177/00 (2006.01) B82Y 30/00 (2011.01) C09K 5/10 (2006.01) C10M 169/04 (2006.01)**
[25] EN
[54] **DIELECTRIC MINERAL OIL CONDITIONED WITH GRAPHENE NANOFLAKES**
[54] **HUILE MINERALE DIELECTRIQUE COMPRENANT DES NANOLAMELLES DE GRAPHENE AJOUTEES**
[72] RAMON RAYGOZA, EDGAR DAVID, MX
[72] RIVERA SOLORIO, CARLOS IVAN, MX
[72] GIMENEZ TORRES, ENRIQUE, ES
[73] PROLEC-GE INTERNACIONAL, S. DE R.L. DE C.V.,
[73] INSTITUTO TECNOLOGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY,
[85] 2015-04-17
[86] 2013-10-24 (PCT/MX2013/000129)
[87] (WO2014/065647)
[30] MX (MX/a/2012/012392) 2012-10-24

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[13] C
[51] **Int.Cl. C11D 1/83 (2006.01) C11D 1/06 (2006.01) C11D 1/29 (2006.01) C11D 1/75 (2006.01)**
[25] EN
[54] **CLEANING COMPOSITION**
[54] **COMPOSITION DE NETTOYAGE**
[72] MENA-BRITO, RODRIGO, US
[73] COLGATE-PALMOLIVE COMPANY,
[85] 2015-04-17
[86] 2012-12-07 (PCT/US2012/068421)
[87] (WO2014/088589)

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[13] C
[51] **Int.Cl. C03C 13/06 (2006.01) C03B 37/01 (2006.01)**
[25] EN
[54] **BRIQUETTE USED FOR THE PRODUCTION OF ROCK WOOL AND METHOD FOR THE PRODUCTION OF SAID BRIQUETTE**
[54] **BRIQUETTE UTILISEE POUR LA PRODUCTION DE LAINE MINERALE ET METHODE DE PRODUCTION DE LADITE BRIQUETTE**
[72] VITORICA MURGUIA, RAMON, ES
[72] GUTIERREZ SAN MARTIN, OSCAR, ES
[73] VALORIZACION Y LOGISTICA AMBIENTAL, S.L.L.,
[85] 2015-04-20
[86] 2013-11-08 (PCT/ES2013/070769)
[87] (WO2014/072560)
[30] ES (P201231735) 2012-11-12
[30] ES (P201331598) 2013-10-31

[11] **2,889,106**
[13] C
[51] **Int.Cl. B03C 1/02 (2006.01) E03B 7/07 (2006.01) F16L 37/56 (2006.01) F24D 19/00 (2006.01)**
[25] EN
[54] **MAGNETIC SEPARATOR**
[54] **SEPARATEUR MAGNETIQUE**
[72] ADEY, CHRISTOPHER, GB
[72] TAYLOR, MATTHEW, GB
[72] DOWNIE, SIMON, GB
[72] PATHAN, KASHEM, GB
[73] ADEY HOLDINGS (2008) LIMITED,
[85] 2015-04-21
[86] 2013-11-04 (PCT/GB2013/052880)
[87] (WO2014/068339)
[30] GB (1219752.1) 2012-11-02
[30] GB (PCT/GB2013/051330) 2013-05-21
[30] GB (PCT/GB2013/051329) 2013-05-21
[30] GB (1317652.4) 2013-10-07

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[13] C
[51] **Int.Cl. C03C 4/02 (2006.01) C03C 3/087 (2006.01) G01N 21/90 (2006.01)**
[25] EN
[54] **INSPECTABLE BLACK GLASS CONTAINERS**
[54] **RECIPIENTS DE VERRE NOIR INSPECTABLES**
[72] SMITH, ROGER P., US
[72] CLICK, CAROL A., US
[72] MULLEN, REBECCA, US
[72] BARTON, STEPHEN DANIEL, US
[73] OWENS-BROCKWAY GLASS CONTAINER INC.,
[85] 2015-04-22
[86] 2013-10-03 (PCT/US2013/063205)
[87] (WO2014/070364)
[30] US (13/666,644) 2012-11-01

[11] **2,889,706**
[13] C
[51] **Int.Cl. H04N 7/15 (2006.01)**
[25] EN
[54] **VIDEO AND AUDIO TAGGING FOR ACTIVE SPEAKER DETECTION**
[54] **ETIQUETAGE DE VIDEO ET D'AUDIO POUR UNE DETECTION DE HAUT-PARLEUR ACTIF**
[72] VERTHEIN, WILLIAM GEORGE, US
[72] LEORIN, SIMONE, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC,
[85] 2015-04-27
[86] 2013-12-19 (PCT/US2013/076671)
[87] (WO2014/100466)
[30] US (13/719,314) 2012-12-19

[11] **2,889,752**
[13] C
[51] **Int.Cl. F41J 13/00 (2009.01) F41J 13/02 (2009.01)**
[25] EN
[54] **PROJECTILE ARRESTING MODULE AND PROJECTILE ARRESTING ARRANGEMENT.**
[54] **MODULE D'ARRET DE PROJECTILE ET AGENCEMENT D'ARRET DE PROJECTILE.**
[72] MOBERG, GERTH, SE
[73] STAPP INTERNATIONAL AB,
[85] 2015-04-24
[86] 2013-10-23 (PCT/SE2013/051238)
[87] (WO2014/065749)
[30] SE (1251210-9) 2012-10-26

[11] **2,890,027**
[13] C
[51] **Int.Cl. C08J 5/18 (2006.01) C08L 23/08 (2006.01)**
[25] EN
[54] **LOW DENSITY POLYOLEFIN RESINS AND FILMS MADE THEREFROM**
[54] **RESINES DE POLYOLEFINE BASSE DENSITE ET FILMS FABRIQUES A PARTIR DE CELLES-CI**
[72] MCDANIEL, MAX P., US
[72] SUKHADIA, ASHISH M., US
[72] DING, ERRUN, US
[72] TSO, CHUNG CHING, US
[72] MASINO, ALBERT P., US
[72] YANG, QING, US
[72] GUATNEY, LLOYD W., US
[72] ST. JEAN, GUYLAINE, US
[72] HERT, DANIEL G., US
[73] CHEVRON PHILLIPS CHEMICAL COMPANY LP,
[85] 2015-04-30
[86] 2013-11-06 (PCT/US2013/068785)
[87] (WO2014/074622)
[30] US (61/723,335) 2012-11-07

[11] **2,890,513**
[13] C
[51] **Int.Cl. G08B 13/24 (2006.01)**
[25] EN
[54] **METHOD FOR BACKFIELD REDUCTION IN ELECTRONIC ARTICLE SURVEILLANCE (EAS) SYSTEMS**
[54] **PROCEDE POUR UNE REDUCTION DE CHAMP ARRIERE DANS DES SYSTEMES DE SURVEILLANCE D'ARTICLE ELECTRONIQUE (EAS)**
[72] BERGMAN, ADAM S., US
[72] SOTO, MANUEL A., US
[73] SENSORMATIC ELECTRONICS LLC,
[85] 2015-05-04
[86] 2013-05-17 (PCT/US2013/041669)
[87] (WO2014/062238)
[30] US (61/715,722) 2012-10-18

[11] **2,891,073**
[13] C
[51] **Int.Cl. C07D 303/42 (2006.01) C08K 5/1515 (2006.01) C08L 27/06 (2006.01) C08K 5/00 (2006.01)**
[25] EN
[54] **EPOXIDIZED FATTY ACID ALKYL ESTER PLASTICIZERS AND METHODS FOR MAKING EPOXIDIZED FATTY ACID ALKYL ESTER PLASTICIZERS**
[54] **PLASTIFIANTS D'ESTERS ALKYLIQUES D'ACIDE GRAS EPOXYDES ET PROCEDES DE FABRICATION DE PLASTIFIANTS D'ESTERS ALKYLIQUES D'ACIDE GRAS EPOXYDES**
[72] GHOSH-DASTIDAR, ABHIJIT, US
[72] KAUJALGIKAR, SAURABH, IN
[72] CHAUDHARY, BHARAT I., US
[73] DOW GLOBAL TECHNOLOGIES LLC,
[85] 2015-05-07
[86] 2012-11-12 (PCT/IN2012/000746)
[87] (WO2014/072987)

[11] **2,891,078**
[13] C
[51] **Int.Cl. C09J 7/22 (2018.01) C09J 7/38 (2018.01) C09J 7/40 (2018.01) E04D 5/10 (2006.01)**
[25] EN
[54] **PRESSURE-SENSITIVE ADHESIVES INCLUDING EXPANDABLE GRAPHITE**
[54] **ADHESIFS SENSIBLES A LA PRESSION COMPRENANT UN GRAPHITE EXPANSIBLE**
[72] ZHOU, WENSHENG, US
[72] HUBBARD, MICHAEL J., US
[72] CARR, JOSEPH, US
[73] FIRESTONE BUILDING PRODUCTS CO., LLC,
[85] 2015-05-07
[86] 2013-11-07 (PCT/US2013/068902)
[87] (WO2014/074689)
[30] US (61/723,354) 2012-11-07
[30] US (13/830,882) 2013-03-14

[11] **2,891,348**
[13] C
[51] **Int.Cl. A61K 31/575 (2006.01) A61P 11/00 (2006.01) A61P 11/06 (2006.01) A61P 11/08 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TREATMENT OF PULMONARY DISEASE**
[54] **TRAITEMENT D'UNE MALADIE PULMONAIRE**
[72] PRUZANSKI, MARK, US
[72] ADORINI, LUCIANO, IT
[73] INTERCEPT PHARMACEUTICALS, INC.,
[85] 2015-05-12
[86] 2013-11-26 (PCT/US2013/072038)
[87] (WO2014/085474)
[30] US (61/730,749) 2012-11-28

[11] **2,891,584**
[13] C
[51] **Int.Cl. C02F 1/461 (2006.01) B01D 61/00 (2006.01) C02F 1/42 (2006.01)**
[25] EN
[54] **ELECTROCHEMICAL SEPARATION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE SEPARATION ELECTROCHIMIQUE**
[72] GU, GEORGE Y., US
[73] EVOQUA WATER TECHNOLOGIES LLC,
[85] 2015-05-13
[86] 2013-03-15 (PCT/US2013/031945)
[87] (WO2014/088628)
[30] US (61/733,618) 2012-12-05

[11] **2,891,806**
[13] C
[51] **Int.Cl. H01R 13/52 (2006.01)**
[25] EN
[54] **WATER IMPERMEABLE ELECTRICAL JUNCTION SYSTEM**
[54] **MECANISME DE JONCTION ELECTRIQUE IMPERMEABLE A L'EAU**
[72] BERGUM, ALAN, US
[72] ATCHIA, ALAIN JULIAN, US
[73] S.J. ELECTRO SYSTEMS, LLC,
[86] (2891806)
[87] (2891806)
[22] 2015-05-14
[30] US (14/277,937) 2014-05-15
[30] CA (2,888,710) 2015-04-22

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[13] C
[51] **Int.Cl. A61B 17/16 (2006.01) A61C 3/02 (2006.01)**
[25] EN
[54] **AUTOGRAFTING OSTEOTOME**
[54] **OSTEOTOME AUTOGREFFANT**
[72] HUWAIS, SALAH, US
[73] HUWAIS IP HOLDING LLC,
[85] 2015-05-19
[86] 2013-08-19 (PCT/US2013/055539)
[87] (WO2014/077920)
[30] US (61/727,849) 2012-11-19

[11] **2,891,829**
[13] C
[51] **Int.Cl. B60T 17/22 (2006.01)**
[25] EN
[54] **ELECTRONIC STROKE SENSOR FOR AIR DISC BRAKE**
[54] **CAPTEUR DE COURSE ELECTRONIQUE POUR FREIN A DISQUE PNEUMATIQUE**
[72] WALLACE, THOMAS EDWARD, US
[72] RINK, RICHARD J., US
[72] SINGLETARY, GLENN, US
[72] CHANDLER, MARK DAVID, US
[72] SCHARTNER, ANDREW P., US
[73] INDIAN HEAD INDUSTRIES, INC.,
[86] (2891829)
[87] (2891829)
[22] 2015-05-15
[30] US (14/289,152) 2014-05-28

[11] **2,892,144**
[13] C
[51] **Int.Cl. A61K 38/33 (2006.01) A61P 17/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS AND THERAPEUTIC METHODS OF USE COMPRISING SELECTIVE AGONISTS OF MELANOCORTIN 1 RECEPTOR**
[54] **COMPOSITIONS PHARMACEUTIQUES COMPRENANT DES AGONISTES SELECTIFS DU RECEPTEUR DE LA MELANOCORTINE 1, ET METHODES THERAPEUTIQUES D'UTILISATION DE CES COMPOSITIONS**
[72] ABDEL-MALEK, ZALFA A., US
[72] KOIKOV, LEONID, US
[72] KNITTEL, JAMES J., US
[73] UNIVERSITY OF CINCINNATI,
[85] 2015-05-21
[86] 2013-11-20 (PCT/US2013/071033)
[87] (WO2014/081846)
[30] US (61/729,018) 2012-11-21

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[13] C
[51] **Int.Cl. B42D 25/364 (2014.01) C09D 5/29 (2006.01) G06K 19/08 (2006.01) C09D 11/50 (2014.01) C09D 11/00 (2014.01) C09K 19/04 (2006.01) C09K 19/58 (2006.01)**
[25] EN
[54] **CHIRAL LIQUID CRYSTAL POLYMER LAYER OR PATTERN COMPRISING RANDOMLY DISTRIBUTED CRATERS THEREIN**
[54] **COUCHE OU MOTIF DE POLYMERE CRISTAL LIQUIDE CHIRAL (PCLC) COMPRENANT DES CRATERES REPARTIS DE FACON ALEATOIRE DANS CEUX-CI**
[72] JAUZEIN, TRISTAN, CH
[72] KERKAR, BRAHIM, CH
[73] SICPA HOLDING SA,
[85] 2015-05-22
[86] 2013-12-16 (PCT/EP2013/076646)
[87] (WO2014/095682)
[30] EP (PCT/EP2012/076507) 2012-12-20
[30] US (61/750,591) 2013-01-09

[11] **2,893,007**
[13] C
[51] **Int.Cl. B61L 25/06 (2006.01) B61L 23/04 (2006.01)**
[25] EN
[54] **SENSOR SYNCHRONIZATION APPARATUS AND METHOD**
[54] **APPAREIL DE SYNCHRONISATION DE CAPTEUR ET METHODE**
[72] MESHER, DAREL, CA
[73] TETRA TECH, INC.,
[86] (2893007)
[87] (2893007)
[22] 2015-05-29
[30] US (62/104,886) 2015-01-19
[30] US (62/118,600) 2015-02-20

[11] **2,893,490**
[13] C
[51] **Int.Cl. A61G 1/04 (2006.01) A61G 7/075 (2006.01)**
[25] EN
[54] **SIDE ARM EXTENSIONS AND MATTRESS ATTACHMENT COMPONENTS FOR PATIENT TRANSPORT DEVICES**
[54] **EXTENSIONS DE BRAS LATERAL ET COMPOSANTS DE FIXATION DE MATELAS POUR DISPOSITIFS DE TRANSPORT DE PATIENT**
[72] VALENTINO, NICHOLAS V., US
[72] MAGILL, BRIAN, US
[72] DIETZ, TIMOTHY, US
[73] FERNO-WASHINGTON, INC.,
[85] 2015-06-02
[86] 2013-12-04 (PCT/US2013/073005)
[87] (WO2014/089153)
[30] US (61/733,072) 2012-12-04

[11] **2,894,702**
[13] C
[51] **Int.Cl. G06F 16/22 (2019.01) G06F 16/81 (2019.01)**
[25] EN
[54] **METHOD, APPARATUS, AND COMPUTER-READABLE MEDIUM FOR OPTIMIZED DATA SUBSETTING**
[54] **PROCEDE, APPAREIL ET SUPPORT LISIBLE PAR ORDINATEUR POUR UNE DEFINITION DE SOUS-ENSEMBLE DE DONNEES OPTIMISEE**
[72] BORKAR, VINAYAK, US
[72] GRONDIN, RICHARD, CA
[72] GUPTA, ANKUR, IN
[72] CHOPRA, BHUPENDRA, IN
[73] INFORMATICA CORPORATION,
[85] 2015-06-10
[86] 2013-12-12 (PCT/US2013/074826)
[87] (WO2014/093719)
[30] US (13/714,349) 2012-12-13

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[13] C
[51] **Int.Cl. F01C 1/356 (2006.01) F01C 1/10 (2006.01) F04C 2/10 (2006.01) F04C 2/356 (2006.01) F04C 15/00 (2006.01) F04C 18/10 (2006.01) F04C 21/00 (2006.01)**
[25] EN
[54] **A ROTARY FLUID MACHINE AND ASSOCIATED METHOD OF OPERATION**
[54] **MACHINE A FLUIDE ROTATIVE ET PROCEDE DE FONCTIONNEMENT ASSOCIE**
[72] WHEELER, DARYL, AU
[73] GREYSTONE TECHNOLOGIES PTY LTD,
[85] 2015-06-11
[86] 2013-12-12 (PCT/AU2013/001459)
[87] (WO2014/089629)
[30] AU (2012905433) 2012-12-12

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[13] C
[51] **Int.Cl. A61F 13/536 (2006.01) A61F 13/45 (2006.01) A61F 13/47 (2006.01)**
[25] EN
[54] **ABSORBENT CORE EXHIBITING CONTROLLED DEFORMATION IN USE AND ABSORBENT ARTICLE COMPRISING SAID CORE**
[54] **NOYAU ABSORBANT A DEFORMATION CONTROLEE PENDANT L'UTILISATION ET ARTICLE ABSORBANT LE COMPRENANT**
[72] ESPING OSTLIN, HANNA, SE
[72] GUIDOTTI, EDWARD, SE
[73] ESSITY HYGIENE AND HEALTH AKTIEBOLAG,
[85] 2015-06-16
[86] 2012-12-27 (PCT/SE2012/051499)
[87] (WO2014/104952)

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[13] C
[51] **Int.Cl. H04N 19/46 (2014.01) H04N 21/234 (2011.01) H04N 21/44 (2011.01) H04N 19/70 (2014.01)**
[25] EN
[54] **SYNTAX AND SEMANTICS FOR BUFFERING INFORMATION TO SIMPLIFY VIDEO SPLICING**
[54] **SYNTAXE ET SEMANTIQUE POUR INFORMATIONS DE MISE EN MEMOIRE TAMPON PERMETTANT DE SIMPLIFIER L'EPISSAGE VIDEO**
[72] SULLIVAN, GARY J., US
[72] ZHU, LIHUA, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC,
[85] 2015-07-02
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[73] BECTON, DICKINSON AND COMPANY,
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[72] BROWN, SCOTT M., US
[72] THWAITES, STEPHEN A., US
[72] SIRIPURAPU, SRINIVAS, US
[73] GENERAL CABLE TECHNOLOGIES CORPORATION,
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[73] TECHNOFAST INDUSTRIES PTY LTD,
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[72] CLOUD, MARK L., US
[72] HILLS, KAREN LEE, US
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[72] BURGERMEISTER, ROBERT STEVEN, US
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[72] GIBSON, JEFFREY J., CA
[72] MAIN, BRIAN D., CA
[73] MASCO CANADA LIMITED,
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[72] PIRON, CAMERON, CA
[73] SYNAPTIVE MEDICAL (BARBADOS) INC.,
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[72] MCKELVIE, SAMUEL JAMES, US
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[54] **PROCESSUS DE TRAITEMENT D'UN RESIDU LOURD A BASE D'HYDROCARBURES**
[72] BELMONTE, GIUSEPPE, IT
[72] MALANDRINO, ALBERTO MARIA ANTONIO, IT
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[54] **DERIVES DE BENZENESULFONAMIDE UTILES COMME INHIBITEURS DE PROTEINE KINASE**
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[73] CHANGZHOU LE SUN PHARMACEUTICALS LIMITED,
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[72] RITTER, GEBHARD, CH
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[72] GREGAR, PETER PAUL, US
[72] NATSCHKE, SCOTT LEE, US
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[54] **IMPLANT NON BIODEGRADABLE A COMPOSANTS MULTIPLES, PROCEDE DE FABRICATION ET PROCEDE D'IMPLANTATION**
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[72] CHEN, TONY, US
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[72] TORZILLI, PETER, US
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[72] PAPADIMITRIOU, STYLIANOS, US
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[54] **APPAREIL SERVANT A DEVIER LES PIECES D'ALIMENTS SOLIDES SUSPENDUES DANS UN LIQUIDE EN CIRCULATION**
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[73] VANMARK EQUIPMENT, LLC,
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[72] SUNICH, JAMES MICHAEL, US
[72] CHILDRESS, HOLLICE, US
[72] SIAZON, ROMUALDO SONNY, US
[72] SHARMA, AMAN, US
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[54] **PARTICULES LIBERANT DE L'OXYDE NITRIQUE POUR THERAPIE A BASE D'OXYDE NITRIQUE ET APPLICATIONS BIOMEDICALES**
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[72] SHIN, JAE HO, US
[72] STASKO, NATHAN, US
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[72] OUDERKIRK, JAMES C., US
[72] ISEMAN, ADAM L., US
[72] GREENLAND, RYAN T., US
[72] KILDALL, KENNETH L., US
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[72] CZAPKA, JASON T., US
[72] COATS, BENJAMIN A., US
[73] CNH INDUSTRIAL AMERICA LLC,
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[54] **UN EQUIPEMENT DE TEST DE SYSTEME DE CONDITIONNEMENT D'AIR EMBARQUE ET UNE METHODE DE TEST DUDIT SYSTEME**
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[54] **SYSTEME DE DELIVRANCE DE MEDICAMENTS ET SON PROCEDE DE FABRICATION**
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[54] **APPAREIL, PROCEDE ET PROGRAMME INFORMATIQUE POUR DECODER UN SIGNAL AUDIO CODE**
[72] DISCH, SASCHA, DE
[72] GEIGER, RALF, DE
[72] HELMRICH, CHRISTIAN, DE
[72] NAGEL, FREDERIK, DE
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[54] **PROCEDE ET EQUIPEMENT POUR LA PRODUCTION D'HYDROCARBURES PAR DECOMPOSITION CATALYTIQUE DE DECHETS PLASTIQUES EN UN SEUL PASSAGE**
[72] NORENA FRANCO, LUIS, MX
[72] AGUILAR PLIEGO, JULIA, MX
[72] GUTIERREZ ARZALUZ, MIRELLA, MX
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[54] **APPAREILLAGE, SYSTEME ET METHODE D'ENLEVEMENT ET DE TRAITEMENT DE MATIERES CONTAMINEES DU FOND D'UN PLAN D'EAU ET DE REVITALISATION DE LA ZONE TRAITEE**
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[54] **SYSTEMES DE DISTRIBUTION A CLE ELECTRONIQUE ET METHODES CONNEXES UTILISANT LA REPONSE EN FREQUENCE EN CHAMP PROCHE**
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[72] ROSENKRANZ, MARK E., US
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[54] **MACHINE-OUTIL COMPRENANT PLUSIEURS ENSEMBLES DE BROCHES MULTIBROCHES**
[72] BURKHARDT, RAINER, DE
[72] FEIFEL, HANS, DE
[72] GOGGERLE, MARKUS, DE
[72] HEIERMANN, ULRICH, DE
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[54] **CONSTRUCTION DE FUSION D'UNE ENTITE D'EFFECTEUR FAB ANTI-ALBUMINE SERIQUE, ET PROCEDE DE PREPARATION DE LADITE CONSTRUCTION**
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[54] **METHODE PERMETTANT D'EMPECHER L'ENCRASSEMENT SUR UNE SURFACE METALLIQUE AU MOYEN D'UN AGENT DE TRAITEMENT MODIFIANT LA SURFACE RENFERMANT UN ANCRAGE ET UNE QUEUE HYDROPHOBE**
[72] MONROE, TERRY D., US
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[72] BHADURI, SUMIT, US
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[54] **MECANISME DE FERMETURE DE GALET PRESSEUR DESTINE A UNE SEMEUSE AGRICOLE**
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[54] **PROCEDE DE MESURE DANS LE DOMAINE TEMPOREL AVEC CALIBRATION DANS LE DOMAINE FREQUENTIEL**
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[54] **DISPOSITIF DE SURVEILLANCE DE DEPOTS D'ENCRASSEMENT DANS UN FOUR A CHARBON PULVERISE**
[72] KRIMERMAN, JOSEPH, IL
[72] MENN, ANATOLY NAFTALY, IL
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[54] **PANNEAU BARRIERE THERMIQUE A HAUTE RESISTANCE POUR LOGEMENT D'UNITE CVCA**
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[54] **ADSORPTION ASSISTEE A L'HYDROGENE DE COMPOSES DE SOUFRE DE MELANGES D'OLEFINE**
[72] PEITZ, STEPHAN, DE
[72] STOCHNIOL, GUIDO, DE
[72] MASCHMEYER, DIETRICH, DE
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[54] **ATTENUATION LIPOSOMALE DE L'INHIBITION INDUITE PAR MEDICAMENT DU CANAL IKR CARDIAQUE**
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[54] **SYSTEMES ET PROCEDES DE SECURITE LOGICIELLE A CRYPTOGRAPHIE ET RESISTANCE AUX ALTERATIONS**
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[72] HILARIDES, JOUKE, NL
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[72] MICHAEL, KELVIN, CA
[73] ACCENTURE GLOBAL SERVICES LIMITED,
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[73] SKIDATA AG,
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[54] **PROCEDES ET DISPOSITIFS D'ADMINISTRATION DE MEDICAMENTS A L'AIDE DE CANNABIS**
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[54] **PROCEDE DE PRODUCTION D'HYDROMAGNESITE ET D'OXYDE DE MAGNESIUM DE HAUTE QUALITE**
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[73] KARNALYTE RESOURCES INC.,
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[25] EN
[54] **DISINFECTING COMPOSITION FOR REMOVABLE DENTAL APPLIANCES**
[54] **COMPOSITION DESINFECTANTE POUR APPAREILS DENTAIRES AMOVIBLES**
[72] CONLEY, NICHOLAS, US
[72] MUZIK, LYNN, US
[73] LMA SOLUTIONS INC.,
[85] 2016-09-02
[86] 2015-03-16 (PCT/US2015/020824)
[87] (WO2015/139058)
[30] US (14/213,672) 2014-03-14
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[54] **SYSTEMS AND METHODS FOR IDENTITY VALIDATION AND VERIFICATION**
[54] **SYSTEMES ET PROCEDES DE VALIDATION ET DE VERIFICATION D'IDENTITE**
[72] MALHOTRA, SANDEEP, SG
[72] PRABHU, RAJEN S., SG
[72] SHARMA, PRASHANT, SG
[72] LI, JIAMING, SG
[72] ZHANG, JIE, SG
[73] MASTERCARD INTERNATIONAL INCORPORATED,
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[25] EN
[54] **METHODS AND APPARATUS FOR CABIN LIGHTING FOR AIRCRAFT MAIN CABIN**
[54] **METHODES ET APPAREILS D'ECLAIRAGE DE CABINE DESTINES A LA CABINE PRINCIPALE D'UN AERONEF**
[72] SAUL, KEVIN, US
[72] ZENG, PENG, US
[73] THE BOEING COMPANY,
[86] (2946238)
[87] (2946238)
[22] 2016-10-20
[30] US (14/966,750) 2015-12-11

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[51] **Int.Cl. H04B 10/2575 (2013.01) H04B 10/075 (2013.01) H04N 7/10 (2006.01)**
[25] EN
[54] **SEAMLESS BANDWIDTH GROWTH WITH RFOG**
[54] **EXTENSION DE LARGEUR DE BANDE TRANSPARENTE AVEC RFOG**
[72] MARICEVIC, ZORAN, US
[72] SCHEMMANN, MARCEL F., NL
[72] ULM, JOHN, US
[73] ARRIS ENTERPRISES LLC,
[85] 2016-10-18
[86] 2015-04-02 (PCT/US2015/024096)
[87] (WO2015/164042)
[30] US (61/982,089) 2014-04-21
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[30] US (62/043,793) 2014-08-29
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[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01)**
[25] EN
[54] **COMPOUNDS AND COMPOSITIONS AS TOLL-LIKE RECEPTOR 7 AGONISTS**
[54] **COMPOSES ET COMPOSITIONS UTILISES EN TANT QU'AGONISTES DU RECEPTEUR DE TYPE TOLL-7**
[72] LI, YONGKAI, US
[72] MO, TINGTING, US
[72] VA, PORINO, US
[72] WU, TOM YAO-HSIANG, US
[72] ZHANG, XIAOYUE, US
[73] NOVARTIS AG,
[85] 2016-10-19
[86] 2015-04-29 (PCT/US2015/028264)
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[25] EN
[54] **PROTECTIVE EFFECT OF DMPC, DMPG, DMPC/DMPG, EGPG, LYSOPG AND LYSOPC AGAINST DRUGS THAT CAUSE CHANNELOPATHIES**
[54] **EFFET PROTECTEUR DE DMPC, DMPG, DMPC/DMPG, EGPG, LYSOPG ET LYSOPC CONTRE DES MEDICAMENTS PROVOQUANT DES CANALOPATHIES**
[72] HELSON, LAWRENCE, US
[72] SHOPP, GEORGE M., US
[72] MAJEED, MUHAMMED, US
[72] BURGESS, STEPHEN, US
[72] SHAW, WALTER A., US
[72] BOUCHARD, ANNIE, CA
[73] SIGNPATH PHARMA, INC.,
[73] AVANTI POLAR LIPIDS, INC.,
[85] 2016-11-29
[86] 2015-06-03 (PCT/US2015/034078)
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[30] US (62/035,417) 2014-08-09
[30] US (62/056,957) 2014-09-29
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[25] EN
[54] **MEASURING ARRANGEMENT FOR DETECTING A MAGNETIC UNIDIRECTIONAL FLUX IN THE CORE OF A TRANSFORMER**
[54] **ENSEMBLE DE MESURE SERVANT A DETECTER UN FLUX MAGNETIQUE CONTINU DANS LE NOYAU D'UN TRANSFORMATEUR**
[72] HAMBERGER, PETER, AT
[72] LEBER, GERALD, AT
[72] PASSATH, HELFRIED, AT
[72] PREGARTNER, HELMUT, AT
[72] SCHRAMMEL, ALFONS-KARL, AT
[73] SIEMENS AKTIENGESELLSCHAFT,
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[54] **7-NONSUBSTITUTED INDOLE MCL-1 INHIBITORS**
[54] **INHIBITEURS MCL-1 INDOLE 7-NON-SUBSTITUES**
[72] BRUNCKO, MILAN, US
[72] SONG, XIAOHONG, US
[72] DING, HONG, US
[72] TAO, ZHI-FU, US
[72] KUNZER, AARON R., US
[72] MADAR, DAVID, US
[72] SOUERS, ANDREW J., US
[72] ELMORE, STEVEN W., US
[72] PARK, CHEOL-MIN, US
[72] WANG, XILU, US
[73] ABBVIE INC.,
[86] (2951295)
[87] (2951295)
[22] 2008-04-16
[62] 2,682,354
[30] US (60/912,049) 2007-04-16
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[25] EN
[54] **APPARATUS, METHODS AND PROCESSES FOR SORTING PARTICLES AND FOR PROVIDING SEX-SORTED ANIMAL SPERM**
[54] **DISPOSITIFS, PROCEDES ET PROCESSUS PERMETTANT DE TRIER DES PARTICULES ET D'OBTENIR DU SPERME ANIMAL PRODUISANT UNE PROGENITURE DE SEXE DONNE**
[72] DURACK, GARY, US
[72] HATCHER, JEREMY T., US
[72] WESTFALL, LON A., US
[72] WALLACE, JEFFREY D., US
[72] VANDRE, GARY P., US
[72] NAYAK, NIRAJ V., US
[72] HELBLING, DAVID, US
[73] INGURAN, LLC,
[86] (2952056)
[87] (2952056)
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[54] **SUBSTITUTED IMIDAZO[1,2B]PYRIDAZINE COMPOUNDS**
[54] **COMPOSES IMIDAZO[1,2B]PYRIDAZINE SUBSTITUES**
[72] ANDREWS, STEVEN W., US
[72] HAAS, JULIA, US
[72] JIANG, YUTONG, US
[72] ZHANG, GAN, US
[73] ARRAY BIOPHARMA INC.,
[86] (2952692)
[87] (2952692)
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[25] EN
[54] **FABRIC AND HOME CARE TREATMENT COMPOSITIONS**
[54] **COMPOSITIONS DE TRAITEMENT POUR LES TISSUS ET LES SOINS MENAGERS**
[72] DYKSTRA, ROBERT RICHARD, US
[72] SIVIK, MARK ROBERT, US
[72] HODGDON, TRAVIS KYLE, US
[72] URBIN, STEPHANIE ANN, US
[72] CORONA, ALESSANDRO, III, US
[72] MCCULLOUGH, JOCELYN MICHELLE, US
[72] BELANGER, DENISE MALCUIT, US
[72] FLITER, KRISTI LYNN, US
[72] HARTSHORN, RICHARD TIMOTHY, US
[72] VETTER, NICHOLAS DAVID, US
[72] XUAN, TESSA, US
[72] FOSSUM, RENAE DIANNA, US
[72] LEYRER, REINHOLD JOSEPH, DE
[72] FONSECA, GLEDISON, DE
[72] BOYKO, VOLODYMYR, DE
[72] FLORES-FIGUEROA, AARON, DE
[73] THE PROCTER & GAMBLE COMPANY,
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[30] US (62/027,810) 2014-07-23
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[25] EN
[54] **FABRIC AND HOME CARE TREATMENT COMPOSITIONS**
[54] **COMPOSITIONS DE TRAITEMENT POUR SOINS MENAGERS ET POUR LES TISSUS**
[72] DYKSTRA, ROBERT RICHARD, US
[72] SIVIK, MARK ROBERT, US
[72] HODGDON, TRAVIS KYLE, US
[72] URBIN, STEPHANIE ANN, US
[72] CORONA, ALESSANDRO, III, US
[72] MCCULLOUGH, JOCELYN MICHELLE, US
[72] BELANGER, DENISE MALCUIT, US
[72] FLITER, KRISTI LYNN, US
[72] HARTSHORN, RICHARD TIMOTHY, US
[72] VETTER, NICHOLAS DAVID, US
[72] XUAN, TESSA, US
[72] LEYRER, REINHOLD JOSEPH, DE
[72] FONSECA, GLEDISON, DE
[72] BOYKO, VOLODYMYR, DE
[72] FLORES-FIGUEROA, AARON, DE
[73] THE PROCTER & GAMBLE COMPANY,
[85] 2016-12-19
[86] 2015-07-23 (PCT/US2015/041657)
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[30] US (62/027,812) 2014-07-23
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[13] C
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[25] EN
[54] **FABRIC AND HOME CARE TREATMENT COMPOSITIONS**
[54] **COMPOSITIONS DE TRAITEMENT POUR LE LINGE ET L'ENTRETIEN MENAGER**
[72] DYKSTRA, ROBERT RICHARD, US
[72] SIVIK, MARK ROBERT, US
[72] HODGDON, TRAVIS KYLE, US
[72] URBIN, STEPHANIE ANN, US
[72] CORONA, ALESSANDRO, III, US
[72] MCCULLOUGH, JOCELYN MICHELLE, US
[72] BELANGER, DENISE MALCUIT, US
[72] FLITER, KRISTI LYNN, US
[72] HARTSHORN, RICHARD TIMOTHY, US
[72] VETTER, NICHOLAS DAVID, US
[72] XUAN, TESSA, US
[72] LEYRER, REINHOLD JOSEPH, DE
[72] FONSECA, GLEDISON, DE
[72] BOYKO, VOLODYMYR, DE
[72] FLORES-FIGUEROA, AARON, DE
[73] THE PROCTER & GAMBLE COMPANY,
[85] 2016-12-19
[86] 2015-07-23 (PCT/US2015/041658)
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[30] US (62/027,814) 2014-07-23
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[51] **Int.Cl. C11D 3/60 (2006.01) C11D 3/00 (2006.01) C11D 3/37 (2006.01) C11D 7/00 (2006.01) C11D 7/22 (2006.01) C11D 7/60 (2006.01)**
[25] EN
[54] **TREATMENT COMPOSITIONS**
[54] **COMPOSITIONS DE TRAITEMENT**
[72] DYKSTRA, ROBERT RICHARD, US
[72] SIVIK, MARK ROBERT, US
[72] HODGDON, TRAVIS KYLE, US
[72] URBIN, STEPHANIE ANN, US
[72] CORONA, ALESSANDRO, III, US
[72] BELANGER, DENISE MALCUIT, US
[72] FLITER, KRISTI LYNN, US
[72] HARTSHORN, RICHARD TIMOTHY, US
[72] VETTER, NICHOLAS DAVID, US
[72] XUAN, TESSA, US
[72] LEYRER, REINHOLD JOSEPH, DE
[72] FONSECA, GLEDISON, DE
[72] BOYKO, VOLODYMYR, DE
[72] FLORES-FIGUEROA, AARON, DE
[73] THE PROCTER & GAMBLE COMPANY,
[85] 2016-12-19
[86] 2015-07-23 (PCT/US2015/041659)
[87] (WO2016/014745)
[30] US (62/027,816) 2014-07-23
[30] US (62/083,928) 2014-11-25

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[25] EN
[54] **ISOCYANATE-TERMINATED POLYTHIOETHER PREPOLYMER COMPOSITIONS AND USE THEREOF**
[54] **COMPOSITIONS DE PREPOLYMERE POLYTHIOETHER A TERMINAISON ISOCYANATE ET LEUR UTILISATION**
[72] SRIVATSAN, NAGARAJAN, US
[72] REYES, ALFREDO, US
[72] MANION, SEAN, US
[72] CAI, JUEXIAO, US
[72] ITO, MARFI, US
[72] LIN, RENHE, US
[73] PRC-DESOTO INTERNATIONAL, INC.,
[85] 2016-12-21
[86] 2015-06-30 (PCT/US2015/038493)
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[30] US (14/319,191) 2014-06-30

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[13] C
[51] **Int.Cl. E21B 44/00 (2006.01) E21B 44/04 (2006.01) E21B 45/00 (2006.01)**
[25] EN
[54] **DRILLING A WELLBORE**
[54] **FORAGE D'UN PUITS DE FORAGE**
[72] PAYETTE, GREGORY S., US
[72] CHANG, DAR-LON, US
[72] PAIS, DARREN, US
[72] BAILEY, JEFFREY R., US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY,
[85] 2016-12-22
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[30] US (62/040,274) 2014-08-21

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[25] EN
[54] **MODULATORS OF TOLL-LIKE RECEPTORS FOR THE TREATMENT OF HIV**
[54] **MODULATEURS DE RECEPTEURS DE TYPE TOLL POUR LE TRAITEMENT DU VIH**
[72] GELEZIUNAS, ROMAS, US
[72] HESSELGESSER, JOSEPH E., US
[73] GILEAD SCIENCES, INC.,
[85] 2016-12-29
[86] 2015-07-09 (PCT/US2015/039776)
[87] (WO2016/007765)
[30] US (62/023,692) 2014-07-11
[30] US (62/058,569) 2014-10-01
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[13] C
[51] **Int.Cl. B23K 11/06 (2006.01) B23K 11/24 (2006.01)**
[25] EN
[54] **SEAM-WELDING METHOD AND DEVICE THEREFOR**
[54] **PROCEDE DE SOUDAGE A LA MOLETTE ET DISPOSITIF A CET EFFET**
[72] KANEKO, MITSUGU, JP
[72] KAWAI, YASUHIRO, JP
[72] KOBAYASHI, HARUHIKO, JP
[72] TANIHIRA, YUKI, JP
[73] HONDA MOTOR CO., LTD.,
[85] 2017-01-16
[86] 2014-07-17 (PCT/JP2014/069068)
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[13] C
[51] **Int.Cl. G03B 15/02 (2006.01)**
[25] EN
[54] **A DIRECT-LIGHTING MODE AND SOFT-LIGHTING MODE INTERCHANGEABLE PHOTOGRAPHY LED ILLUMINATING LAMP**
[54] **LAMPE D'ECLAIRAGE PHOTOGRAPHIQUE A DEL INTERCHANGEABLE A MODE D'ECLAIRAGE DIRECT ET MODE D'ECLAIRAGE DOUX**
[72] LIN, BIGUANG, CN
[73] LIN, BIGUANG,
[85] 2017-01-24
[86] 2016-04-15 (PCT/CN2016/000201)
[87] (WO2017/117693)
[30] CN (201610007562.8) 2016-01-07

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[51] **Int.Cl. B23K 9/10 (2006.01) B23K 9/09 (2006.01) B23K 9/095 (2006.01)**
[25] EN
[54] **ELECTRODE NEGATIVE PULSE WELDING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE SOUDAGE PAR IMPULSIONS A ELECTRODE NEGATIVE**
[72] MARSCHKE, BRYAN DUSTIN, US
[72] D'ARCY, AMANDA JEAN, US
[72] LEITERITZ, NATHAN GERALD, US
[73] ILLINOIS TOOL WORKS INC.,
[85] 2017-01-20
[86] 2015-08-18 (PCT/US2015/045715)
[87] (WO2016/043904)
[30] US (14/489,227) 2014-09-17

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[13] C
[51] **Int.Cl. F16L 11/15 (2006.01) E02D 19/00 (2006.01) E02D 31/02 (2006.01) F16L 11/118 (2006.01) F16L 11/12 (2006.01)**
[25] EN
[54] **WEBLESS CORRUGATED DUAL WALL FOUNDATION DRAIN AND RELATED METHOD**
[54] **DRAIN DE FONDATION A DOUBLE PAROI, ONDULE, SANS AME ET METHODE ASSOCIEE**
[72] DOUGLASS, CARL RAYMOND, III, US
[73] PRINSCO, INC.,
[86] (2956274)
[87] (2956274)
[22] 2017-01-27
[30] US (62/288,502) 2016-01-29
[30] US (15/415,657) 2017-01-25

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[51] **Int.Cl. B01F 3/12 (2006.01) A47K 5/12 (2006.01) A61L 2/18 (2006.01) B01F 1/00 (2006.01)**
[25] EN
[54] **MULTIPLE SOLID PRODUCTS LIQUID SOLUTION DISPENSER**
[54] **DISTRIBUTEURS DE SOLUTION LIQUIDE DE PRODUITS SOLIDES MULTIPLES**
[72] FREUDENBERG, JARED R., US
[72] URBAN, RYAN JACOB, US
[73] ECOLAB USA INC.,
[85] 2017-02-01
[86] 2015-07-30 (PCT/US2015/042972)
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[30] US (14/452,074) 2014-08-05

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[13] C
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 50/32 (2012.01) G06F 16/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING PERSONALIZED DELIVERY SERVICES**
[54] **SYSTEMES ET PROCEDES DE PRESTATION DE SERVICES DE LIVRAISON PERSONNALISES**
[72] RIZZO, JOE S., US
[72] SHROFF, SUMEET, US
[72] KLINGENBERG, ROBERT, US
[73] UNITED PARCEL SERVICE OF AMERICA, INC.,
[86] (2957133)
[87] (2957133)
[22] 2006-06-20
[62] 2,885,818
[30] US (60/692,849) 2005-06-21
[30] US (60/701,712) 2005-07-22
[30] US (60/750,684) 2005-12-14

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[13] C
[51] **Int.Cl. C22C 19/05 (2006.01)**
[25] EN
[54] **ENHANCED SUPERALLOYS BY ZIRCONIUM ADDITION**
[54] **SUPERALLIAGES AMELIORES PAR L'AJOUT DE ZIRCONIUM**
[72] MOURER, DAVID PAUL, US
[72] WESSMAN, ANDREW EZEKIEL, US
[73] GENERAL ELECTRIC COMPANY,
[85] 2017-02-09
[86] 2015-08-17 (PCT/US2015/045547)
[87] (WO2016/053489)
[30] US (62/038,416) 2014-08-18

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[13] C
[51] **Int.Cl. E21B 34/10 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **INTERNAL SUBSURFACE SAFETY VALVE FOR ROTATING DOWNHOLE PUMPS**
[54] **SOUPAPE DE SURETE INTERNE SOUS LA SURFACE POUR POMPES DE FOND DE TROU TOURNANTES**
[72] GRUBERT, MARCEL A., US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY,
[85] 2017-02-15
[86] 2015-08-17 (PCT/US2015/045469)
[87] (WO2016/053488)
[30] US (62/058,448) 2014-10-01

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[13] C
[51] **Int.Cl. G06Q 30/00 (2012.01) H04W 88/18 (2009.01) H04W 4/021 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IDENTIFYING MERCHANT LOCATIONS BASED ON TRANSACTION RECORDS**
[54] **SYSTEMES ET PROCEDES PERMETTANT D'IDENTIFIER DES EMPLACEMENTS DE COMMERCANTS D'APRES DES ENREGISTREMENTS DE TRANSACTIONS**
[72] MAC NAIR, BRUCE W., US
[72] HOWE, JUSTIN X., US
[72] WEINBERGER, HENRY, US
[72] HU, PO, US
[73] MASTERCARD INTERNATIONAL INCORPORATED,
[85] 2017-02-23
[86] 2015-08-28 (PCT/US2015/047430)
[87] (WO2016/036597)
[30] US (62/044,784) 2014-09-02
[30] US (14/789,305) 2015-07-01

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[13] C
[51] **Int.Cl. C12N 7/01 (2006.01) C07K 14/16 (2006.01) C12N 15/49 (2006.01) C12N 15/867 (2006.01)**
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[54] **USE OF NON-SUBTYPE B GAG PROTEINS FOR LENTIVIRAL PACKAGING**
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[72] CHARNEAU, PIERRE, FR
[72] BAUCHE, CECILE, FR
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[73] INSTITUT PASTEUR,
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[54] **APPAREIL ET PROCEDE DE REFROIDISSEMENT DE L'AIR ET DE CHAUFFAGE D'EAU HYBRIDE ET COMMANDE ASSOCIEE**
[72] LOWRIMORE, WALTER R., US
[72] LONG, ROBERT L., US
[72] WINTERS, SCOTT D., US
[72] FOSTER, RANDY W., US
[73] RHEEM MANUFACTURING COMPANY,
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[54] **MECHANICAL DEVICE, WORKING VEHICLE, AND DETERIORATION STATE ESTIMATION SYSTEM AND DETERIORATION STATE ESTIMATION METHOD OF MACHINE COMPONENT**
[54] **APPAREIL MECANIQUE, VEHICULE DE TRAVAIL ET SYSTEME D'ESTIMATION DE L'ETAT DE DETERIORATION ET METHODE D'ESTIMATION DE L'ETAT DE DETERIORATION D'UNE COMPOSANTE DE MACHINE**
[72] CHIKUGO, HIROYUKI, JP
[72] HORI, SHUUJI, JP
[72] ONO, MUTSUMI, JP
[72] SAITOU, KIYOTAKA, JP
[72] SANO, SHINYA, JP
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[73] KOMATSU LTD.,
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[54] **INTERFACE UTILISATEUR GRAPHIQUE SIMPLIFIANT LES CREATIONS D'UTILISATEURS ET LES CALCULS PERSONNALISE POUR LES VISUALISATIONS DE DONNEES**
[72] KIM, JUN, US
[72] STOLTE, CHRISTOPHER RICHARD, US
[72] MACKINLAY, JOCK DOUGLAS, US
[72] STEWART, ROBIN, US
[72] BERAN, BORA, US
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[72] MACNEIL, DAVID F., US
[72] MASANEK, FREDERICK W., JR., US
[72] IVERSON, DAVID S., US
[73] MACNEIL IP LLC,
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[54] **MOUSSES POREUSES DERIVEES DE MATRICE EXTRACELLULAIRE, DISPOSITIFS MEDICAUX DE MEC EN MOUSSE POREUSE ET PROCEDES POUR LES UTILISER ET LES FABRIQUER**
[72] VALMIKINATHAN, CHANDRA M., US
[72] GHEEWALA, NIKHIL N., US
[72] YOUNG, BRENT D., US
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[72] WONG, KIAN-MING, US
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[73] WRIGHT MEDICAL TECHNOLOGY, INC.,
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[54] **LAMELLES A EPAISSEUR VARIABLE AYANT PLUSIEURS ZONES D'EPAISSEUR REDUITE**
[72] LAWSON, ROBERT CECIL, US
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[54] **SYSTEME DE COMMANDE DE FORAGE INTEGRE ET PROCEDE ASSOCIE**
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[72] GUMUS, FERHAT, US
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[72] COOK, LAIN, US
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[54] **PROCEDE DE FABRICATION DE PORTS PERCUTANES AVEC DES ENROULEMENTS DE FIL METALLIQUE**
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[72] HE, TOM, US
[73] ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH,
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[54] **PROCEDE DE PREPARATION DE MODULATEURS DES RECEPTEURS D'HISTAMINE H3**
[72] BROGGINI, DIEGO, CH
[72] LELLEK, VIT, CH
[72] LOCHNER, SUSANNE, DE
[72] MANI, NEELAKANDHA S., US
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[54] **METHOD FOR INDUCTION BEND FORMING A PRESSURE-RESISTANT PIPE HAVING A LARGE WALL THICKNESS AND A LARGE DIAMETER**
[54] **PROCEDE DE CINTRAGE PAR INDUCTION D'UN TUBE RESISTANT A LA PRESSION DE GRANDE EPAISSEUR DE PAROI ET DE GRAND DIAMETRE**
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[72] DREXLER, HERMANN, DE
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[54] **METHOD FOR PRODUCING CIRCUMFERENTIAL WELD JOINT FOR LOW-CARBON MARTENSITIC STAINLESS STEEL PIPES**
[54] **PROCEDE DE FABRICATION D'UN JOINT DE SOUDURE CIRCONFERENTIEL POUR TUBE D'ACIER INOXYDABLE MARTENSITIQUE A FAIBLE TENEUR EN CARBONE**
[72] SUZUKI, TAKESHI, JP
[72] MIYATA, YUKIO, JP
[72] OTA, HIROKI, JP
[72] IDE, SHINSUKE, JP
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[72] GRUSKIN, ELLIOT A., US
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[72] WARRINGTON, ARTHUR E., US
[72] BIEBER, ALLAN J., US
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[54] **TRAITEMENT DE RETINITE PIGMENTAIRE AVEC UN N-ACETYLCYSTEINE AMIDE**
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[73] THE JOHNS HOPKINS UNIVERSITY,
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[54] **COMPOSITION DE PEINTURE EN AEROSOL ET PIECE MECANIQUE METALLIQUE REVETUE DE CETTE DERNIERE**
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[72] OGAMI, YUKI, JP
[73] NHK SPRING CO., LTD.,
[73] NHK SPRING PRODUCTION COMPANY,
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[54] **CORPS DE CONDUIT A SUPER RACCORD**
[72] SHEMTOV, SAMI, US
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[54] **PILE UNITAIRE DESTINEE A UNE PILE A COMBUSTIBLE**
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[72] OKADA, SACHIO, JP
[72] KAJIWARA, TAKASHI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA,
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[54] **PROCEDE D'EXTRACTION DE CORPS ETRANGERS FIXES A UN CORPS DE RECIPIENT**
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[72] KUBOYAMA, YUKIHIRO, JP
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[72] LANSDON, ERIC, US
[72] HU, YUNFENG ERIC, US
[72] DEJMEK, MILAN, CZ
[72] MACKMAN, RICHARD L., US
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[73] INSTITUTE OF ORGANIC CHEMISTRY AND BIOCHEMISTRY OF THE AS CR, V.V.I.,
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[72] WANG, JIANNA, US
[72] SCOVILLE, TIMOTHY E., US
[73] SAINT-GOBAIN ABRASIFS,
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[54] **PROCEDES ET APPAREILS D'EXPLOITATION DE GROUPES DE DEL A HAUTE PUISSANCE**
[72] CREMER, ANTONIUS JACOBUS MARIA, NL
[72] SLOT, MACHIEL, CA
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[54] **CIBLAGE OPTIQUE ET VISUALISATION DE TRAJECTOIRES**
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[54] **DISPOSITIF DE DEROULEMENT ET DE SEPARATION D'UNE BANDE**
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[54] **FORMULATION DE POUDRE NASALE POUR LE TRAITEMENT DE L'HYPOGLYCEMIE**
[72] MANTRIPRAGADA, SANKARAM B., US
[72] PICHE, CLAUDE A., US
[72] VAN BETSBRUGGE, JO JAN FILIP, US
[73] ELI LILLY AND COMPANY,
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[54] **DISPOSITIF, SYSTEME ET PROCEDE D'ELIMINATION DE CHALEUR A PARTIR DE CELLULES RICHES EN LIPIDE SOUS-CUTANEES**
[72] BAKER, MARK, US
[72] COAKLEY, JOSEPH, US
[72] MARTENS, PAUL WILLIAM, US
[72] OLLERDESSEN, ALBERT L., US
[72] PENNYBACKER, WILLIAM PATRICK, US
[72] ROSEN, JESSE NICASIO, US
[72] YEE, PETER, US
[72] ALLISON, JOHN W., US
[72] WEBER, BRYAN, US
[73] ZELTIQ AESTHETICS, INC.,
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[54] **CENTRIFUGAL BLOWER SYSTEM WITH INTERNAL GAS MIXING AND GAS PHASE CHEMICAL REACTOR INCORPORATING SAME**
[54] **SYSTEME DE VENTILATEUR CENTRIFUGE AVEC MELANGE INTERNE DE GAZ ET REACTEUR CHIMIQUE EN PHASE GAZEUSE INCORPORANT CELUI-CI**
[72] FINNERTY, CAINE M., US
[72] DEWALD, PAUL, US
[73] WATT FUEL CELL CORP,
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[54] **DIVERSION PLUNGER FOR RECIPROCATING ROD PUMP**
[54] **PISTON DE DERIVATION POUR UNE POMPE A TIGE A MOUVEMENT ALTERNATIF**
[72] STACHOWIAK, JOHN E., US
[72] BAILEY, JASON W., US
[72] HEBERT, DOUG, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC,
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[54] **INTEGRATED HEART VALVE DELIVERY SYSTEM**
[54] **SYSTEME INTEGRE DE TRANSPORT DE VALVULE CARDIAQUE**
[72] MARCHAND, PHILIPPE, US
[72] TAYLOR, DAVID M., US
[72] MILICH, ROBERT, JR., US
[72] EVANS, DAVID J., US
[72] CHIA, CHRISTOPHER, US
[72] CAYABYAB, RONALDO C., US
[72] BOWES, ROBERT ROYAL, US
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[54] **TRANSMITTER AND SHORTENING METHOD THEREOF**
[54] **EMETTEUR ET SON PROCEDE DE RACCOURCISSEMENT**
[72] JEONG, HONG-SIL, KR
[72] KIM, KYUNG-JOONG, KR
[72] MYUNG, SE-HO, KR
[73] SAMSUNG ELECTRONICS CO., LTD.,
[85] 2017-08-18
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[54] **PARTICULATES HAVING HIGH TOTAL SOLAR REFLECTANCE**
[54] **PARTICULES PRESENTANT UNE REFLECTANCE SOLAIRE TOTALE ELEVEE**
[72] JENREE, RHONDA MARIE, US
[72] WU, SHIH-JEN, US
[72] SMITH, ROCKY LEE, US
[72] WELLER, DAVID EARL, JR., US
[73] U.S. SILICA COMPANY,
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[54] **FIBROUS ELEMENTS, FIBROUS STRUCTURES, AND PRODUCTS COMPRISING A DETERRENT AGENT AND METHODS FOR MAKING SAME**
[54] **ELEMENTS FIBREUX, STRUCTURES FIBREUSES ET PRODUITS COMPRENANT UN AGENT DE DISSUASION, ET PROCEDES DE FABRICATION**
[72] WEISMAN, PAUL THOMAS, US
[72] SIVIK, MARK ROBERT, US
[72] HAMERSKY, MARK WILLIAM, US
[72] TROKHAN, PAUL DENNIS, US
[73] THE PROCTER & GAMBLE COMPANY,
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[54] **BEVERAGE DISPENSE VALVE CONTROLLED BY WIRELESS TECHNOLOGY**
[54] **ROBINET DISTRIBUTEUR DE BOISSONS CONTROLE PAR UNE TECHNOLOGIE SANS FIL**
[72] SEGIET, WILLIAM W., US
[72] GRAY, ALEX L., US
[72] UBIDIA, FERNANDO A., US
[72] STEIN, AARON M., US
[72] LEWIS, JOHN F., US
[73] PEPSICO, INC.,
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[25] EN
[54] **PROCESS FOR MANUFACTURING SCRUBBY SUBSTRATES AND SUBSTRATES MADE THEREFROM**
[54] **PROCEDE DE FABRICATION DE SUBSTRATS POUR FROTTER ET SUBSTRATS AINSI OBTENUS**
[72] WHITE, EDWARD JASON, US
[72] HUGLEY, SAMUEL, US
[73] THE CLOROX COMPANY,
[85] 2017-08-23
[86] 2016-03-18 (PCT/US2016/023210)
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[54] **GARMENT, PARTICULARLY A PROTECTIVE VEST, AND ZIPPER ARRANGEMENT**
[54] **VETEMENT, EN PARTICULIER UNE VESTE DE PROTECTION, ET UN DISPOSITIF DE FERMETURE A GLISSIERE**
[72] PFANNER, ANTON, AT
[73] PFANNER SCHUTZBEKLEIDUNG GMBH,
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[54] **PROCESS FOR MANUFACTURING INSULATION PRODUCTS BASED ON MINERAL WOOL, AND PRODUCTS OBTAINED**
[54] **PROCEDE DE FABRICATION DE PRODUITS D'ISOLATION A BASE DE LAINE MINERALE ET PRODUITS OBTENUS**
[72] JAFFRENNOU, BORIS, FR
[72] DOUCE, JEROME, FR
[72] MENIVAL, HELENE, FR
[72] PONS Y MOLL, OLIVIER, FR
[73] SAINT-GOBAIN ISOVER,
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[54] **SYSTEMS AND METHODS FOR RISK BASED DECISIONING**
[54] **SYSTEMES ET PROCEDES DE PRISE DE DECISION BASEE SUR DES RISQUES**
[72] WIESMAN, MARK B., US
[73] MASTERCARD INTERNATIONAL INCORPORATED,
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[54] **CURRENT COLLECTING STRUCTURE FOR SEALED SECONDARY BATTERY**
[54] **STRUCTURE DE COLLECTE DE COURANT DESTINEE A UNE BATTERIE SECONDAIRE SCELLEE**
[72] KATO, MASASHI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA,
[86] (2978735)
[87] (2978735)
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[54] **APPARATUS AND METHOD FOR GENERATING AND TRANSMITTING DATA FRAMES**
[54] **APPAREIL ET PROCEDE PERMETTANT DE GENERER ET DE TRANSMETTRE DES TRAMES DE DONNEES**
[72] EITAN, ALECSANDER, US
[72] SANDEROVICH, AMICHAI, US
[72] BASSON, GAL, US
[73] QUALCOMM INCORPORATED,
[85] 2017-09-07
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[54] **CIRCUIT BREAKER SYSTEM WITH HEATING RADIATOR AND PARTICLE TRAP**
[54] **SYSTEME DE DISJONCTEUR DOTE D'UN RADIATEUR CHAUFFANT ET D'UN PIEGE A PARTICULE**
[72] VLADUCHICK, PAUL, US
[72] CUPPETT, MATT D., US
[72] DAHM, BETH L., US
[72] JOHNSTON, JARED P., US
[73] ABB SCHWEIZ AG,
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[54] **METHODS, STORAGE MEDIUMS, AND SYSTEMS FOR CONFIGURING CLASSIFICATION REGIONS WITHIN A CLASSIFICATION MATRIX OF AN ANALYSIS SYSTEM AND FOR CLASSIFYING PARTICLES OF AN ASSAY**
[54] **PROCEDES, SUPPORTS DE STOCKAGE, ET SYSTEMES POUR CONFIGURER DES ZONES DE CLASSIFICATION DANS UNE MATRICE DE CLASSIFICATION D'UN SYSTEME D'ANALYSE ET POUR CLASSIFIER DES PARTICULES D'UN DOSAGE**
[72] ROTH, WAYNE D., US
[73] LUMINEX CORPORATION,
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[87] (2979457)
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[54] **METHOD FOR MANUFACTURING FURAN-2,5-DICARBOXYLIC ACID (FDCA) FROM A SALT SOLUTION**
[54] **PROCEDE DE PRODUCTION D'ACIDE FURANNE-2,5-DICARBOXYLIQUE (FDCA) A PARTIR D'UNE SOLUTION DE SEL**
[72] VAN KRIEKEN, JAN, NL
[72] DE HAAN, ANDRE BANIER, NL
[73] PURAC BIOCHEM BV,
[85] 2017-09-13
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[25] EN
[54] **NOVEL 3-INDOL SUBSTITUTED DERIVATIVES, PHARMACEUTICAL COMPOSITIONS AND METHODS FOR USE**
[54] **NOUVEAUX DERIVES SUBSTITUES PAR UN 2-INDOLE, COMPOSITIONS PHARMACEUTIQUES ET LEURS PROCEDES D'UTILISATION**
[72] NINKOVIC, SACHA, US
[72] CROSIGNANI, STEFANO, BE
[72] SCALES, STEPHANIE ANNE, US
[72] MCALPINE, INDRAWAN JAMES, US
[72] COLLINS, MICHAEL RAYMOND, US
[72] MADERNA, ANDREAS, US
[72] WYTHES, MARTIN, US
[73] PFIZER INC.,
[73] ITEOS THERAPEUTICS,
[85] 2017-09-13
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[30] IB (PCT/IB2015/051957) 2015-03-17
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[54] **NETWORK NODE USER DEVICE AND METHODS THEREOF**
[54] **N□UD DE RESEAU, DISPOSITIF D'UTILISATEUR, ET PROCEDES ASSOCIES**
[72] BERGGREN, FREDRIK, SE
[73] HUAWEI TECHNOLOGIES CO., LTD.,
[85] 2017-09-20
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[54] **MICROCAPSULES COMPRISING ACTIVE INGREDIENTS AND A METAL OXIDE SHELL, A METHOD FOR THEIR PREPARATION AND USES THEREOF**
[54] **MICROCAPSULES COMPORTANT DES PRINCIPES ACTIFS ET UN ENROBAGE D'OXYDE METALLIQUE, LEUR PROCEDE DE PREPARATION ET LEURS UTILISATIONS**
[72] TOLEDANO, OFER, IL
[72] SERTCHOOK, HANAN, IL
[72] LOBODA, NATALIA, IL
[72] ABU-REZIQ, RAED, IL
[73] SOL-GEL TECHNOLOGIES LTD.,
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[54] **INKJET DEPOSITION OF REAGENTS FOR HISTOLOGICAL SAMPLES**
[54] **DEPOT PAR JET D'ENCRE DE REACTIFS POUR ECHANTILLONS HISTOLOGIQUES**
[72] POLASKE, MELINDA J., US
[72] KOZIKOWSKI, RAYMOND T., III, US
[72] KLEIN, ERIC L., US
[72] PALUSZCYK, CHANA R., US
[72] GROLL, HENNING, US
[72] THAKUR, RAVIRAJ, US
[72] HAZAR, MELIS, US
[73] VENTANA MEDICAL SYSTEMS, INC.,
[85] 2017-09-25
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[54] **WEB LIFTER/STABILIZER AND METHOD**
[54] **DISPOSITIF DE LEVAGE/STABILISATEUR DE BANDE ET PROCEDE ASSOCIE**
[72] ANDERSON, KIM A., US
[72] MAKI, ERIC, US
[72] GLENN, GEORGE, US
[73] DURR SYSTEMS, INC.,
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[54] **COMPONENT AND ELECTRONIC DEVICE**
[54] **COMPOSANTE ET DISPOSITIF ELECTRONIQUE**
[72] ZHAO, KUIBING, CN
[72] GUO, WENPING, CN
[72] MA, DONG, CN
[72] GUO, JINHAI, CN
[73] HUAWEI TECHNOLOGIES CO., LTD.,
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[25] EN
[54] **VERIFICATION OF CONTACTLESS PAYMENT CARD FOR PROVISIONING OF PAYMENT CREDENTIALS TO MOBILE DEVICE**
[54] **VERIFICATION D'UNE CARTE DE PAIEMENT SANS CONTACT POUR LA FOURNITURE DE JUSTIFICATIFS D'IDENTITE DE PAIEMENT A UN DISPOSITIF MOBILE**
[72] NOE, JAMES CHRISTIAN, GB
[72] TIERNEY, JOHN, GB
[73] MASTERCARD INTERNATIONAL INCORPORATED,
[85] 2017-10-19
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[54] **ANALYSE DE SECURITE DE RESEAU POUR APPAREILS INTELLIGENTS**
[72] VON GRAVROCK, EINARAS, US
[72] FRAYMAN, YURI, US
[72] BEATTY, ROBERT, US
[73] CUJO LLC,
[85] 2017-10-19
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[54] **HIGH-LIFT DEVICE OF AIR VEHICLE**
[54] **DISPOSITIF A PORTANCE ELEVEE DESTINE A UN VEHICULE AERIEN**
[72] ISOTANI, KAZUHIDE, JP
[72] HAYAMA, KENJI, JP
[73] THE SOCIETY OF JAPANESE AEROSPACE COMPANIES,
[73] KAWASAKI JUKOGYO KABUSHIKI KAISHA,
[86] (2983719)
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[54] **SYSTEM AND METHOD FOR ENABLING EFFICIENT DIGITAL MARKETING ON PORTABLE WIRELESS DEVICES FOR PARTIES WITH LOW CAPABILITIES**
[54] **SYSTEME ET PROCEDE POUR PERMETTRE UN MARKETING NUMERIQUE EFFICACE SUR DES DISPOSITIFS SANS FIL PORTABLES POUR DES PARTIES AYANT DE FAIBLES CAPACITES**
[72] LIEN, SCOTT, US
[72] LIEN, ISAAC, US
[72] TYLER, DAVID, US
[72] BURNS, RYAN, US
[72] PHILLIPS, ALAN PAUL R., GB
[73] GRANDPAD, INC.,
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[54] **SUPPORT FOR CENTRIFUGE TUBING**
[54] **SUPPORT POUR TUBE DE CENTRIFUGEUSE**
[72] VANDLIK, MARK, US
[72] WALL, SHAUN, US
[72] GABELBERGER, SEPP, US
[72] RABENO, ERIC, US
[73] MALLINCKRODT HOSPITAL PRODUCTS IP LIMITED,
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[54] **AQUEOUS STAIN RESISTANT COATING COMPOSITION**
[54] **COMPOSITION AQUEUSE DE REVETEMENT ANTITACHE**
[72] HU, RONGHAI, CN
[72] DUAN, GANG, US
[72] XIONG, RONG, CN
[72] KORENKIEWICZ, STEPHEN M., US
[72] KOU, HUI, CN
[73] VALSPAR SOURCING, INC.,
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[54] **SOLUTION D'OLIGO-ELEMENTS POUR ANIMAUX**
[72] SMITH, WILLIAM A., IE
[73] WARBURTON TECHNOLOGY LIMITED,
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[87] (2984263)
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[54] **RAIN GUTTER COVER AND RAIN GUTTER INCLUDING SAME**
[54] **COUVRE-GOUTTIERE ET GOUTTIERE COMPORTANT LEDIT COUVRE-GOUTTIERE**
[72] BROCHU, STEPHANE, CA
[73] BROCHU, STEPHANE,
[86] (2985004)
[87] (2985004)
[22] 2017-11-08
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[54] **UTILISATION D'UNE COMPOSITION POUR LA FABRICATION D'UN MEDICAMENT DANS LE TRAITEMENT DE LA SCLEROSE LATERALE AMYOTROPHIQUE**
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[72] HUA, YAO, CN
[72] ZHANG, ZHENGPING, CN
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[54] **SYSTEMES ET PROCEDES POUR REPARER DES TISSUS MOUS**
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[72] BAIRD, KEVIN N., US
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[54] **ENSEMBLE COMBUSTIBLE**
[72] BASHKIRTSEV, SERGEY MIKHAILOVICH, RU
[72] KUZNETSOV, VALENTIN FEDOROVICH, RU
[72] KEVROLEV, VALERY VLADIMIROVICH, RU
[72] MOROZOV, ALEXEY GLEBOVICH, RU
[72] MONTGOMERY, MICHAEL H., US
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[54] **PORTABLE ELECTRONIC DEVICE, METHOD, AND GRAPHICAL USER INTERFACE FOR DISPLAYING STRUCTURED ELECTRONIC DOCUMENTS**
[54] **APPAREIL ELECTRONIQUE PORTABLE, PROCEDE ET INTERFACE UTILISATEUR GRAPHIQUE POUR AFFICHER DES DOCUMENTS ELECTRONIQUES STRUCTURES**
[72] ORDING, BAS, US
[72] FORSTALL, SCOTT, US
[72] CHRISTIE, GREG, US
[72] LEMAY, STEPHEN O., US
[72] CHAUDHRI, IMRAN, US
[72] WILLIAMSON, RICHARD, US
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[73] XYLECO, INC.,
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[54] **PROCEDE ET SYSTEME DE TRAITEMENT DE TRANSACTIONS BASEES SUR UNE CHAINE DE BLOCS SUR DES RESEAUX DE PAIEMENT EXISTANTS**
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[73] MASTERCARD INTERNATIONAL INCORPORATED,
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[54] **APPAREIL ET PROCEDE PERMETTANT UNE COMPENSATION DE MOUVEMENT DE VIDEO**
[72] ZHAO, ZHIJIE, DE
[72] LIU, YIQUN, DE
[72] OSTERMANN, JOERN, DE
[73] HUAWEI TECHNOLOGIES CO., LTD.,
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[54] **ENSEMBLE DE VISIONNEUSE DE REALITE VIRTUELLE PLIABLE**
[72] PAVLU, ROBERT R., US
[72] WALLEN, THOMAS A., US
[72] SCHIMKE, SCOTT A., US
[73] HALLMARK CARDS, INCORPORATED,
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[54] **NOUVELLE IMMUNOTHERAPIE CONTRE PLUSIEURS TUMEURS Y COMPRIS LE CANCER GASTRO-INTESTINAL ET LE CANCER GASTRIQUE**
[72] WEINSCHENK, TONI, DE
[72] FRITSCHE, JENS, DE
[72] WALTER, STEFFEN, DE
[72] LEWANDROWSKI, PETER, DE
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[54] **SYSTEME ET PROCEDE POUR TRANSMETTRE UNE IMAGE NUMERIQUE**
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[72] MURPHY, THOMAS P., CA
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[54] **REACTEUR MULTICOUCHE EMPLOYANT L'ECHANGE THERMIQUE**
[72] YANO, AKIHISA, JP
[72] OKA, TATSUYA, JP
[72] KAMATA, HIROYUKI, JP
[72] SAKAKURA, SHIGEKI, JP
[72] HONMA, NOBUYUKI, JP
[72] TAKEUCHI, YUSUKE, JP
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[54] **MATERIAU RESISTANT AUX CHOCS ET TAMPON**
[72] VITO, ROBERT A., US
[72] FOERSTER, MICHAEL, US
[73] MATSCITECHNO LICENSING COMPANY,
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[54] **PROCEDE DE FABRICATION D'UNE COMPOSITION COSMETIQUE RESISTANTE AU TRANSFERT**
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[73] ELC MANAGEMENT LLC,
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[54] **DISPOSITIF DE RELAIS ELECTRIQUE COMMANDE PAR PRESSION**
[72] BLACKMON, TERRANCE EDWARD, US
[72] THRUSH, ROGER LEE, US
[72] VESTAL, RALPH GLENN, US
[72] BRANDON, DOUGLAS F., US
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[54] **COMPRESSION DE DONNEES DE CAPTEUR POUR DES APPLICATIONS DE TELEMESURE DE FOND DE TROU**
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[72] BRIDGES, JOHN R., US
[72] CARLSON, ALFRED, US
[72] POHRTE, BRIAN TIMOTHY, US
[72] QUINLAN, MARY, US
[72] SCHUNK, TIMOTHY C., US
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[54] **ACIDES GRAS VOLATILS INODORES COMME SOURCE D'ENERGIE POUR RUMINANTS, PORCS ET VOLAILLE**
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[72] KENDING, CORY SHAWN, US
[72] SOCHA, MICHAEL THOMAS, US
[73] ZINPRO CORPORATION,
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[54] **AUTOMATISATION D'UTILISATION DE MODELE CLASSIQUE DE DONNEES DANS DES PROCESSUS DE DEVELOPPEMENT D'APPLICATION**
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[72] CHARI, VIDHYA, US
[73] UNITED PARCEL SERVICE OF AMERICA, INC.,
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[54] **SYSTEME DE JOINT D'ETANCHEITE DISTANT POLYMERE POUR RECIPIENTS A USAGE UNIQUE**
[72] FADELL, PAUL R., US
[72] SCHUMACHER, MARK S., US
[72] PRICE, JOSHUA M., US
[72] SITTLER, FRED C., US
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[54] **PRODUITS DE CACAO A BASE DE FEVES DE CACAO NON FERMENTEES ET LEURS PROCEDES DE PREPARATION**
[72] HUHN, TILO, CH
[73] ODC LIZENZ AG,
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[54] **COUVERTURE VIBROACOUSTIQUE UTILISANT UN COMPSITE DE PTFE EXPANSE**
[72] KENALEY, RYAN, US
[72] BINETTI, VALERIE REGINA, US
[72] DUTTA, ANIT, US
[73] W. L. GORE & ASSOCIATES, INC.,
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[54] **PROCEDE DE REVETEMENT ET DISPOSITIF DE REVETEMENT**
[72] ENDO, KOUHEI, JP
[72] MORI, TAKUYA, JP
[72] MANOU, TAKETOSHI, JP
[72] MIYAZAKI, TOMOYUKI, JP
[72] NYUU, KEISUKE, JP
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[54] **SYSTEME DE COUVRE-TONNEAU DESTINE A UNE PLATEFORME DE CHARGEMENT D'UN VEHICULE**
[72] WILLIAMSON, SCOTT, US
[72] KOSINSKI, DAVID, US
[72] YANG, MICHAEL, US
[72] YAN, XICHANG, CN
[72] TONG, JIANFENG, CN
[72] WEI, CHENGPING, CN
[72] SMITH, RONALD BRIAN, US
[72] BURGER, DANIEL DAVID, US
[72] MAYS, JAMES, US
[73] RUGGED LINER, INC.,
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[54] **SYSTEME DE COMMANDE D'UN VEHICULE DE TRAVAIL ET METHODE DE REGLAGE DE LA TRAJECTOIRE D'UN ACCESSOIRE DE TRAVAIL**
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[54] **SYSTEMES ET PROCEDES DE DISTRIBUTION ELECTRONIQUE DE DONNEES**
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[72] MATACZYNSKI, CRAIG, US
[73] WHETHER OR KNOT LLC,
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[54] **TEXTILE LAMINATE, TEXTILE LAMINATE PRODUCTION METHOD, AND TEXTILE LAMINATE PRODUCTION DEVICE**
[54] **STRATIFIE TEXTILE, PROCEDE DE FABRICATION DE STRATIFIE TEXTILE ET DISPOSITIF DE FABRICATION DE STRATIFIE TEXTILE**
[72] HORI, FUJIO, JP
[72] KAMIYA, RYUTA, JP
[73] KABUSHIKI KAISHA TOYOTA JIDOSHOKKI,
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[54] **METHOD FOR COMPENSATING FOR NODE CLOCK DRIFT IN A METERING SYSTEM MESH NETWORK**
[54] **METHODE DE COMPENSATION DE DECALAGE D'HORLOGE DE NOEUD DANS UN RESEAU MAILLE DE SYSTEME DE COMPTEUR**
[72] PICARD, GILLES, FR
[72] MONIER, FABRICE, FR
[72] BARTIER, JEROME, US
[73] ITRON GLOBAL SARL,
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[54] **SYSTEME DE TRAITEMENT DE FLUIDE**
[72] CALDWELL, CHRISTOPHER BRUCE, CA
[72] DUYN, SCOTT THOMAS, CA
[72] GIGGS, JULIAN, CA
[73] TROJAN TECHNOLOGIES,
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[54] **SMART MENSTRUAL CUP AND METHOD FOR MEASURING MENSTRUAL BLOOD USING SMART MENSTRUAL CUP**
[54] **COUPE MENSTRUELLE INTELLIGENTE ET PROCEDE DE MESURE DE SANG MENSTRUEL A L'AIDE DE LA COUPE MENSTRUELLE INTELLIGENTE**
[72] HWANG, RYONG, KR
[73] LOON LAB INC.,
[85] 2018-01-12
[86] 2016-07-13 (PCT/KR2016/007597)
[87] (WO2017/010800)
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[30] KR (10-2016-0088516) 2016-07-13

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[51] **Int.Cl. E01C 23/01 (2006.01) E21F 17/18 (2006.01) G01C 7/06 (2006.01)**
[25] EN
[54] **FULL-ROADWAY FULL-PROCESS FULL-CROSS-SECTION SURFACE DEFORMATION MONITORING DEVICE AND METHOD**
[54] **DISPOSITIF DE SURVEILLANCE DE DEFORMATION DE SURFACE EN SECTION TRANSVERSALE, PROCEDE COMPLET ET CHAUSSEE COMPLETE**
[72] XIE, ZHENGZHENG, CN
[72] ZHANG, NONG, CN
[72] HAN, CHANGLIANG, CN
[72] PAN, DONGJIANG, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY,
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[86] 2017-06-07 (PCT/CN2017/087491)
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[51] **Int.Cl. E21D 21/00 (2006.01) E21B 10/26 (2006.01) E21D 20/00 (2006.01)**
[25] EN
[54] **REAMING AND SELF-ROTATING ANCHOR ROD AND METHOD OF USE THEREOF**
[54] **TIGE D'ANCRAGE ALESEUSE ET AUTOROTATIVE ET PROCEDE D'UTILISATION DE CELLE-CI**
[72] XIE, ZHENGZHENG, CN
[72] ZHANG, NONG, CN
[72] HAN, CHANGLIANG, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY,
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[25] EN
[54] **HIGH-SILICON STEEL SHEET AND METHOD FOR MANUFACTURING THE SAME**
[54] **TOLE D'ACIER A HAUTE TENEUR EN SILICIUM ET SON PROCEDE DE FABRICATION**
[72] OKUBO, TOMOYUKI, JP
[72] HIRATANI, TATSUHIKO, JP
[72] ODA, YOSHIHIKO, JP
[72] NAKAJIMA, HIROAKI, JP
[73] JFE STEEL CORPORATION,
[85] 2018-01-18
[86] 2016-09-08 (PCT/JP2016/004091)
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[30] JP (2015-183502) 2015-09-17

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[25] EN
[54] **BEE-INGESTIBLE COMPOSITIONS, METHODS OF USING SAME FOR PRODUCING HONEY AND HONEY PRODUCED THEREBY**
[54] **COMPOSITIONS CONSOMMABLES PAR LES ABEILLES, PROCEDES D'UTILISATION DE CES COMPOSITIONS POUR LA PRODUCTION DE MIEL, ET MIEL PRODUIT PAR CES PROCEDES**
[72] AVIDOV, AMIT DOV, IL
[72] BEN SIMON, ILAN, IL
[73] PHYTOPHARMA INTERNATIONAL LTD.,
[85] 2018-01-18
[86] 2016-07-21 (PCT/IL2016/050801)
[87] (WO2017/013661)
[30] US (62/195,311) 2015-07-22

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[25] EN
[54] **VERIFYING SOURCE ADDRESSES ASSOCIATED WITH A TERMINAL**
[54] **VERIFICATION D'ADRESSES SOURCE ASSOCIEES A UN TERMINAL**
[72] DENG, GAOLIANG, CN
[73] ALIBABA GROUP HOLDING LIMITED,
[85] 2018-01-19
[86] 2016-08-23 (PCT/US2016/048213)
[87] (WO2017/035151)
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[25] EN
[54] **ADDITIVE COMPOSITION SUITABLE FOR USE IN A STRUCTURAL ADHESIVE**
[54] **COMPOSITION D'ADDITIF UTILISABLE DANS UN ADHESIF STRUCTURAL**
[72] BRET, CHRISTIAN, FR
[72] FRADIN, OLIVIER, FR
[72] ROUX, MATHIEU, FR
[72] VAIQUE, EMILIE, FR
[72] VALLOIR, NICOLAS, FR
[72] INOUBLI, RABER, FR
[73] ARKEMA FRANCE,
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[25] EN
[54] **PD-L1 ("PROGRAMMED DEATH-LIGAND 1") ANTIBODIES**
[54] **ANTICORPS ANTI-PD-L1 (« LIGAND DE MORT PROGRAMMEE 1 »)**
[72] LI, YIWEN, US
[72] LUDWIG, DALE LINCOLN, US
[72] MOLKENTHIN, VERA, US
[72] SHEN, JUQUN, US
[72] SNAVELY, MARSHALL DAVENPORT, US
[73] ELI LILLY AND COMPANY,
[85] 2018-01-31
[86] 2016-08-18 (PCT/US2016/047528)
[87] (WO2017/034916)
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[51] **Int.Cl. A47L 9/16 (2006.01) A47L 5/18 (2006.01) A47L 9/10 (2006.01) B04C 9/00 (2006.01)**
[25] EN
[54] **CYCLONE CONSTRUCTION FOR A SURFACE CLEANING APPARATUS**
[54] **CYCLONE POUR APPAREIL DE NETTOYAGE DES SURFACES**
[72] CONRAD, WAYNE ERNEST, CA
[73] OMACHRON INTELLECTUAL PROPERTY INC.,
[86] (2994450)
[87] (2994450)
[22] 2011-01-31
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[30] US (12/723,138) 2010-03-12

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[51] **Int.Cl. H05B 45/30 (2020.01) F21K 9/00 (2016.01) B61L 9/04 (2006.01)**
[25] EN
[54] **LAMP DRIVER CARD TO CONTROL LIGHTING OF A LAMP LOAD OR A LED ON A WAYSIDE OF A RAILWAY SYSTEM**
[54] **CARTE DE COMMANDE DE LAMPE POUR COMMANDER L'ECLAIRAGE D'UNE CHARGE DE LAMPE OU D'UNE DEL EN BORDURE DE VOIE D'UN SYSTEME FERROVIAIRE**
[72] HOGAN, BRIAN JOSEPH, US
[72] SCHMIDT, HOLGER, US
[73] SIEMENS MOBILITY, INC.,
[86] (2994766)
[87] (2994766)
[22] 2018-02-12
[30] US (15/431,882) 2017-02-14

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[25] EN
[54] **APPARATUS AND SYSTEM FOR SWING ADSORPTION PROCESSES RELATED THERETO**
[54] **APPAREIL ET SYSTEME DE PROCEDES D'ADSORPTION MODULEE EN PRESSION ASSOCIES**
[72] MCMAHON, PATRICK D. J., US
[72] JOHNSON, ROBERT A., US
[72] RAMKUMAR, SHWETHA, US
[72] OELFKE, RUSSELL H., US
[72] THOMAS, EUGENE R., US
[72] NAGAVARAPU, ANANDA K., US
[72] BARNES, WILLIAM, US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY,
[85] 2018-02-05
[86] 2016-08-10 (PCT/US2016/046363)
[87] (WO2017/039989)
[30] US (62/213,267) 2015-09-02

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[51] **Int.Cl. A61K 31/4995 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY WITH AN ANTITUMOR ALKALOID**
[54] **PLURITHERAPIE AVEC UN ALCALOIDE ANTITUMORAL**
[72] MONEO OCANA, VICTORIA, ES
[72] SANTAMARIA NUNEZ, GEMA, ES
[72] GARCIA FERNANDEZ, LUIS FRANCISCO, ES
[72] GALMARINI, CARLOS MARIA, ES
[72] GUILLEN NAVARRO, MARIA JOSE, ES
[72] AVILES MARIN, PABLO MANUEL, ES
[73] PHARMA MAR, S.A.,
[86] (2995025)
[87] (2995025)
[22] 2011-11-11
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[51] **Int.Cl. A61K 31/4995 (2006.01) A61P 35/00 (2006.01)**
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[54] **COMBINATION THERAPY WITH AN ANTITUMOR ALKALOID**
[54] **PLURITHERAPIE AVEC UN ALCALOIDE ANTITUMORAL**
[72] MONEO OCANA, VICTORIA, ES
[72] SANTAMARIA NUNEZ, GEMA, ES
[72] GARCIA FERNANDEZ, LUIS FRANCISCO, ES
[72] GALMARINI, CARLOS MARIA, ES
[72] GUILLEN NAVARRO, MARIA JOSE, ES
[72] AVILES MARIN, PABLO MANUEL, ES
[73] PHARMA MAR, S.A.,
[86] (2995033)
[87] (2995033)
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[51] **Int.Cl. H04L 12/26 (2006.01) G06Q 40/04 (2012.01) H04L 29/06 (2006.01)**
[25] EN
[54] **LOW-COST, REALISTIC, PERFORMANCE TEST BED FOR AN ELECTRONIC TRADING VENUE**
[54] **BANC D'ESSAI DE PERFORMANCE REALISTE A FAIBLE COUT POUR UNE PLATEFORME DE NEGOCIATION ELECTRONIQUE**
[72] MELTON, HAYDEN PAUL, US
[73] FINANCIAL & RISK ORGANISATION LIMITED,
[86] (2995172)
[87] (2995172)
[22] 2018-02-15
[30] US (62/459635) 2017-02-16

[11] **2,995,461**
[13] C
[51] **Int.Cl. G10L 19/06 (2013.01) G10L 19/16 (2013.01) G10L 21/038 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR NON-DESTRUCTIVELY NORMALIZING LOUDNESS OF AUDIO SIGNALS WITHIN PORTABLE DEVICES**
[54] **SYSTEME ET PROCEDE POUR NORMALISER DE MANIERE NON DESTRUCTIVE L'INTENSITE SONORE DE SIGNAUX AUDIO DANS DES DISPOSITIFS PORTABLES**
[72] RIEDMILLER, JEFFREY C., US
[72] MUNDT, HARALD H., DE
[72] SCHUG, MICHAEL, DE
[72] WOLTERS, MARTIN, DE
[73] DOLBY LABORATORIES LICENSING CORPORATION,
[73] DOLBY INTERNATIONAL AB,
[86] (2995461)
[87] (2995461)
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[62] 2,918,302
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[51] **Int.Cl. H04W 12/06 (2009.01)**
[25] EN
[54] **MESSAGE PROTECTION METHOD, AND RELATED DEVICE, AND SYSTEM**
[54] **METHODE DE PROTECTION DE MESSAGE, APPAREIL ASSOCIE, ET SYSTEME**
[72] YING, JIANGWEI, CN
[72] ZHANG, LIJIA, CN
[72] CHEN, JING, CN
[73] HUAWEI TECHNOLOGIES CO., LTD.,
[85] 2018-02-13
[86] 2015-08-13 (PCT/CN2015/086836)
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[11] **2,995,610**
[13] C
[51] **Int.Cl. A61K 31/737 (2006.01) A61K 31/196 (2006.01) A61K 31/728 (2006.01) A61K 47/36 (2006.01) A61P 17/00 (2006.01)**
[25] EN
[54] **NEW MEDICINES FOR TOPIC USE BASED ON SULFATED HYALURONIC ACID AS ACTIVATING OR INHIBITING AGENT OF THE CYTOKINE ACTIVITY**
[54] **NOUVEAUX MEDICAMENTS A USAGE TOPIQUE A BASE D'ACIDE HYALURONIQUE SULFATE COMME AGENT D'ACTIVATION OU D'INHIBITION DE L'ACTIVITE CYTOKINIQUE**
[72] D'ESTE, MATTEO, IT
[72] GENNARI, GIOVANNI, IT
[73] FIDIA FARMACEUTICI S.P.A.,
[86] (2995610)
[87] (2995610)
[22] 2010-05-14
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[25] EN
[54] **VISCOELASTIC GELS AS NOVEL FILLERS**
[54] **GELS VISCO-ELASTIQUES UTILISES EN TANT QU'AGENTS DE REMPLISSAGE NOVATEURS**
[72] D'ESTE, MATTEO, IT
[72] RENIER, DAVIDE, IT
[73] FIDIA FARMACEUTICI S.P.A.,
[86] (2995957)
[87] (2995957)
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[30] IT (PD2009A 000246) 2009-08-27

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[51] **Int.Cl. B27B 31/00 (2006.01)**
[25] EN
[54] **LUMBER STACK MARKING MACHINE AND METHODS OF APPLYING MARKINGS TO LUMBER STACKS**
[54] **MACHINE DE MARQUAGE DE CHARGEMENT DE BOIS D'OEUVRE ET METHODE D'APPLICATION DES MARQUAGES AU CHARGEMENT DE BOIS D'OEUVRE**
[72] MERCIER, SEBASTIEN, CA
[73] SIGNODE PACKAGING GROUP CANADA ULC,
[86] (2997069)
[87] (2997069)
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[51] **Int.Cl. F16D 3/12 (2006.01) F16H 57/028 (2012.01) F16D 3/50 (2006.01) F16F 15/133 (2006.01)**
[25] EN
[54] **TORSIONAL VIBRATION DAMPING DEVICE**
[54] **DISPOSITIF D'AMORTISSEMENT DE VIBRATIONS TORTIONNELLES**
[72] TAKAHASHI, YUYA, JP
[72] AMANO, HIROYUKI, JP
[72] NISHIDA, HIDEYUKI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA,
[86] (2997447)
[87] (2997447)
[22] 2018-03-06
[30] JP (JP 2017-044259) 2017-03-08
[30] JP (JP 2017-132217) 2017-07-05

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[51] **Int.Cl. E21B 33/128 (2006.01) E21B 23/06 (2006.01) E21B 33/12 (2006.01) F16L 55/132 (2006.01)**
[25] EN
[54] **IMPROVED ISOLATION TOOL WITH ENHANCED MONITORING UNIT**
[54] **OUTIL D'ISOLATION AMELIORE COMPORTANT UN MODULE DE SURVEILLANCE AMELIORE**
[72] BERUBE, GUY, CA
[72] BROWN, GRAHAM TRAVIS CECIL, CA
[72] TUSKAN, JOSEPH, CA
[73] CAR-BER INVESTMENTS INC.,
[86] (2997823)
[87] (2997823)
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[51] **Int.Cl. B64D 33/02 (2006.01) F02C 7/04 (2006.01) F02C 7/042 (2006.01) F02K 7/10 (2006.01)**
[25] EN
[54] **ISENTROPIC COMPRESSION INLET FOR SUPERSONIC AIRCRAFT**
[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
[73] GULFSTREAM AEROSPACE CORPORATION,
[86] (2998361)
[87] (2998361)
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[30] US (60/750,345) 2005-12-15

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[51] **Int.Cl. G05G 1/44 (2009.01) F16C 17/24 (2006.01) F16C 33/74 (2006.01) G05G 25/04 (2006.01)**
[25] EN
[54] **PEDAL ASSEMBLY WITH DEBRIS FILTERING MECHANISM**
[54] **ENSEMBLE PEDALE A MECANISME DE FILTRATION DE DEBRIS**
[72] HENRIKSON, JESSE, US
[73] KONGSBERG POWER PRODUCTS SYSTEMS I, INC.,
[85] 2018-03-12
[86] 2016-09-16 (PCT/US2016/052156)
[87] (WO2017/049099)
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[51] **Int.Cl. E21B 7/12 (2006.01) E21B 7/136 (2006.01) E21B 15/02 (2006.01) E21B 41/06 (2006.01)**
[25] EN
[54] **METHOD FOR EXCAVATING A MUD LINE CELLAR FOR SUBSEA WELL DRILLING**
[54] **PROCEDE DE CREUSEMENT D'UNE CAVE DE LIGNE DES BOUES POUR FORAGE DE PUITS SOUS-MARINS**
[72] DEUL, HANS H.J., US
[72] O'NEILL, PATRICK, US
[72] VAN KUILENBURG, ROBERT, US
[72] SIBREL, MATTHEW, US
[73] NOBLE DRILLING SERVICES INC.,
[85] 2018-03-15
[86] 2016-09-15 (PCT/US2016/051920)
[87] (WO2017/048941)
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[51] **Int.Cl. B65D 85/60 (2006.01) B65B 9/10 (2006.01) B65B 25/00 (2006.01)**
[25] EN
[54] **FLEXIBLE TUBULAR PACKAGE FOR EDIBLE PRODUCT**
[54] **CONDITIONNEMENT TUBULAIRE SOUPLE POUR PRODUIT COMESTIBLE**
[72] WEGNER, KENNETH E., US
[72] RICHARDS, ANTHONY SIMON, US
[72] RUSH, ANDREW J., US
[73] THE JEL SERT COMPANY,
[86] (2999026)
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[51] **Int.Cl. F16F 15/02 (2006.01) B06B 1/04 (2006.01) B64C 27/00 (2006.01) F16F 15/131 (2006.01)**
[25] FR
[54] **DYNAMIC STRESS GENERATORS INCLUDING AT LEAST TWO BALLASTS AND ACTUATOR INCLUDING SUCH GENERATORS**
[54] **GENERATEUR D'EFFORTS DYNAMIQUES COMPRENANT AU MOINS DEUX BALOURDS ET ACTIONNEUR COMPRENANT DE TELS GENERATEURS**
[72] SIX, MARC-FRANCOIS, FR
[72] TAVIN, GERARD, FR
[73] HUTCHINSON,
[86] (2999352)
[87] (2999352)
[22] 2018-03-23
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[51] **Int.Cl. F27B 3/04 (2006.01) F27B 3/12 (2006.01) F27B 3/22 (2006.01) F27D 21/00 (2006.01)**
[25] EN
[54] **FURNACE**
[54] **FOUR**
[72] KAJITANI, TSUYOSHI, JP
[72] YOSHIGUCHI, KAZUMI, TH
[73] KAJITANI, TSUYOSHI,
[73] NIPPON CRUCIBLE CO., LTD.,
[85] 2018-03-20
[86] 2015-11-12 (PCT/TH2015/000079)
[87] (WO2017/065701)
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[51] **Int.Cl. B24C 1/00 (2006.01) B24C 7/00 (2006.01)**
[25] EN
[54] **A SYSTEM AND A METHOD FOR MODIFYING A SURFACE OF A SUBSTRATE**
[54] **SYSTEME ET PROCEDE DE MODIFICATION D'UNE SURFACE D'UN SUBSTRAT**
[72] MOLLER, PER, DK
[72] ANDERSEN, ASGER, DK
[72] EISENHARDT, SARA, DK
[72] HANSEN, KASPER BONDO, DK
[72] HANSEN, MARTIN KALMAR, DK
[72] ROEFZAAD, MELANIE, DK
[73] SIEMENS AKTIENGESELLSCHAFT,
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[51] **Int.Cl. H04M 3/56 (2006.01) G06Q 10/10 (2012.01) H04L 12/16 (2006.01) H04N 7/15 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ENHANCED CONFERENCE MANAGEMENT**
[54] **METHODE ET SYSTEME DE GESTION AMELIOREE DE CONFERENCE**
[72] VAN RENSBURG, CHRISTOPHER, US
[72] VENDROW, VLAD, US
[73] RINGCENTRAL, INC.,
[86] (2999650)
[87] (2999650)
[22] 2018-03-29
[30] US (15/640,393) 2017-06-30

[11] **2,999,751**
[13] C
[51] **Int.Cl. B60T 15/18 (2006.01)**
[25] EN
[54] **BRAKE CYLINDER PRESSURE MAINTENANCE VALVE FOR FREIGHT CAR BRAKE EQUIPMENT AND FREIGHT CAR BRAKE SYSTEM COMPRISING SUCH A VALVE**
[54] **SOUPAPE DE MAINTIEN DE PRESSION DE CYLINDRE DE FREIN POUR EQUIPEMENT DE FREIN DE WAGON DE MARCHANDISES ET SYSTEME DE FREIN DE WAGON DE MARCHANDISES COMPRENANT UNE TELLE SOUPAPE**
[72] GOUJON, DANIEL, FR
[72] ADAMS, PATRICK, US
[72] CORRENDO, ROBERTO, IT
[72] MARECHAL, MICKAEL, FR
[72] BRUSHWOOD, DANIEL, US
[73] AMSTED RAIL COMPANY, INC.,
[85] 2018-03-22
[86] 2016-09-12 (PCT/US2016/051233)
[87] (WO2017/053108)
[30] US (14/862,347) 2015-09-23

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[13] C
[51] **Int.Cl. G01L 7/08 (2006.01)**
[25] EN
[54] **PRESSURE TRANSMITTER WITH OVERPRESSURE PROTECTION**
[54] **TRANSMETTEUR DE PRESSION AYANT UNE PROTECTION CONTRE UNE SURPRESSION**
[72] FETISOV, ALEKSANDR VLADIMIROVICH, RU
[72] PETUKHOV, PAVEL ALEKSANDROVICH, RU
[72] CHERKASHINA, GALINA VLADIMIROVNA, RU
[72] WILLCOX, CHARLES R., US
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[73] FUTURE LABO CO., LTD.,
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[54] **SOURCE D'ENERGIE INTEGREE AU CORPS AYANT UNE ELECTRODE DE ZONE DE SURFACE SUPERIEURE**
[72] HAFEZI, HOOMAN, US
[72] ROBERTSON, TIMOTHY, US
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[54] **SYSTEME ET PROCEDE DE MONTEE**
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[72] HOLDSTOCK, KEITH, GB
[73] ACORN MOBILITY SERVICES LIMITED,
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[54] **RECEPTACLE RECTANGULAIRE MOULE PAR SOUFFLAGE PERFECTIONNE**
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[72] ROUBAL, EDWARD J., III, US
[72] PRITCHETT, RAYMOND A., JR., US
[72] TAYLOR, LARRY M., US
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[54] **THERMALLY INSULATED SHIPPING SYSTEM FOR PALLET-SIZED PAYLOAD, METHODS OF MAKING AND USING THE SAME, AND KIT FOR USE THEREIN**
[54] **SYSTEME D'EXPEDITION ISOLE THERMIQUEMENT POUR CHARGE UTILE DE TAILLE PALETTE, PROCEDES DE FABRICATION ET D'UTILISATION ASSOCIES ET KIT D'UTILISATION A CET EFFET**
[72] PRANADI, FERY, US
[72] PANSE, SHREYAS S., US
[72] LEE, TZEHO, US
[72] FONTES, MARK, US
[72] COOK, GREGORY, US
[72] ORSINI, RICHARD, US
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[54] **SYSTEME D'EXTRACTION SECURITAIRE DE TRANSPORT PAR SILO**
[72] HERMAN, ALVIN, CA
[72] HERMAN, ERIN, CA
[73] QUICKTHREE TECHNOLOGY, LLC,
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[54] **VERROU A TRACTION AVANT**
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[73] SNAP-ON INCORPORATED,
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[54] **DESHYDRATATION SOUS-MARINE COMPACTE**
[72] YEH, NORMAN K., US
[72] CULLINANE, J. TIM, US
[72] FOWLER, TRACY A., US
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[54] **APPAREIL ET PROCEDE POUR GENERER UNE TRAME DE SIGNAL DE DIFFUSION QUI COMPREND UN PREAMBULE AFIN DE SIGNALER DES INFORMATIONS DE NIVEAU D'INJECTION**
[72] PARK, SUNG-IK, KR
[72] LEE, JAE-YOUNG, KR
[72] KWON, SUN-HYOUNG, KR
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[54] **INTELLIGENT FEEDBACK VARIABLE-THROTTLE BUFFERING SYSTEM AND BUFFERING METHOD THEREOF**
[54] **SYSTEME D'ATTENUATEUR REGULATEUR VARIABLE A RETROACTION INTELLIGENTE ET METHODE D'ATTENUATION ASSOCIEE**
[72] WANG, CHENGLONG, CN
[72] QIU, ZHIWEI, CN
[72] ZENG, QINGLIANG, CN
[72] CHEN, MENG, CN
[72] LIU, ZHIHAI, CN
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[54] **IMPLANTED TONGUE PULLING DEVICE, PULL PLATE, PULL LINE, RETRACTOR AND METHOD**
[54] **DISPOSITIF IMPLANTE DE TRACTION DE LA LANGUE, PLAQUE DE TRACTION, LIGNES DE TRACTION, DISPOSITIF DE TRACTION ET SON PROCEDE D'UTILISATION**
[72] ZHOU, XING, CN
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[54] **APPAREIL DE FORAGE ET METHODE DE VISSAGE D'ELEMENTS DE TIGE DE FORAGE A UN APPAREIL DE FORAGE**
[72] SCHAIPP, STEPHAN, DE
[72] WOLF, RUDOLF, DE
[73] PRAKLA BOHRTECHNIK GMBH,
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[54] **PROCEDES ET APPAREIL DE TRAITEMENT ET DE DISTRIBUTION D'UN MATERIAU PENDANT LA FABRICATION ADDITIVE**
[72] SUSNJARA, KENNETH J., US
[72] VOTE, NICOLAS, US
[72] GAESSER, ROBERT, US
[72] VAAL, SCOTT G., US
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[54] **SYSTEME LASER POUR TRAITEMENT SELECTIF DE L'ACNE**
[72] TAGLIAFERRI, MARCO, IT
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[73] QUANTA SYSTEM S.P.A.,
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[54] **PROCEDE ET APPAREIL DE COMMUNICATION SANS FIL**
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[72] BALDEMAIR, ROBERT, SE
[72] BJORKEGREN, HAKAN, SE
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[54] **REDUNDANT AIRCRAFT PROPULSION SYSTEM USING MULTIPLE MOTORS PER DRIVE SHAFT**
[54] **SYSTEME DE PROPULSION D'AERONEF REDONDANT UTILISANT DES MOTEURS MULTIPLES PAR ARBRE D'ENTRAINEMENT**
[72] ROBERTS, NICHOLAS HAMPEL, US
[72] SHIOSAKI, DOMINIC TIMOTHY, US
[72] WELSH, RICKY DEAN, US
[73] AMAZON TECHNOLOGIES, INC.,
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[54] **COMPOSITIONS DE TENSIOACTIFS POUR LE TRAITEMENT DE FORMATIONS SOUTERRAINES ET HUILE PRODUITE**
[72] HOLTSCLAW, JEREMY A., US
[72] PALLA-VENKATA, CHANDRA SEKHAR, US
[72] RECIO, ANTONIO, III, US
[72] HOLAN, KRISTINA HENKEL, US
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[54] **CORE-SHELL PARTICLE-BASED SECURITY PIGMENT, AND PRODUCTION METHOD**
[54] **PIGMENT DE SECURITE A BASE DE PARTICULES COEUR-ECORCE ET SON PROCEDE DE FABRICATION**
[72] KECHT, JOHANN, DE
[72] SCHLOSSBAUER, AXEL, DE
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[54] **REPLACEABLE UNIT FOR AN ELECTROPHOTOGRAPHIC IMAGE FORMING DEVICE HAVING A RETRACTABLE ELECTRICAL CONNECTOR**
[54] **UNITE REMPLACABLE POUR UN DISPOSITIF DE FORMATION D'IMAGES ELECTROPHOTOGRAPHIQUES DOTE D'UN CONNECTEUR ELECTRIQUE RETRACTABLE**
[72] CARPENTER, BRIAN SCOTT, US
[72] MARTIN, KYLE BRADLEY, US
[72] WILLIAMSON, RANDAL SCOTT, US
[73] LEXMARK INTERNATIONAL, INC.,
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[54] **OUTIL D'ECHANTILLONNAGE PERIPHERIQUE COMPORTANT DES COUTEAUX D'ECHANTILLONNAGE MULTIPLES**
[72] HERSAK, GREG, CA
[72] KING, JAMES MITCH, CA
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[54] **PROCESSES AND SYSTEMS FOR CONVERTING HYDROCARBONS TO CYCLOPENTADIENE**
[54] **PROCEDES ET SYSTEMES DE CONVERSION D'HYDROCARBURES EN CYCLOPENTADIENE**
[72] IACCINO, LARRY L., US
[72] LEMOINE, ROMAIN O.V., US
[73] EXXONMOBIL CHEMICAL PATENTS INC.,
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[54] **SYSTEME ET PROCEDE DE CONVERSION DE TUBE CUIT**
[72] IACCINO, LARRY L., US
[72] LEMOINE, ROMAIN O.V., US
[73] EXXONMOBIL CHEMICAL PATENTS INC.,
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[54] **PROCESS AND SYSTEM FOR MAKING CYCLOPENTADIENE AND/OR DICYCLOPENTADIENE**
[54] **PROCEDE ET SYSTEME DE FABRICATION DE CYCLOPENTADIENE ET/OU DE DICYCLOPENTADIENE**
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[72] LEUNG, KEVIN C.P., CN
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[54] **SYSTEMES DE BOLLARD RETRACTABLE D'AMORTISSEMENT**
[72] WIEGEL, AARON J., US
[72] SWIFT, DAVID, US
[72] DONDLINGER, JASON, US
[72] KORMAN, JOE, US
[72] PARUCH, LUCAS I., US
[72] SNYDER, RONALD P., US
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[54] **METHOD AND APPARATUS FOR THE DEPHOSPHORIZATION OF IRON ORE**
[54] **PROCEDE ET APPAREIL POUR LA DEPHOSPHORATION DU MINERAI DE FER**
[72] TOMMASI, LUCA, IT
[72] ARSENE, FLORINA LILIANA, IT
[73] DANIELI & C. OFFICINE MECCANICHE S.P.A.,
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[54] **AGENCEMENT DE LOCALISATION DE SANGLES**
[72] ABOOD, RALPH JUSTIN, AU
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[25] EN
[54] **DEVICE AND METHOD FOR GENERATING PERCUSSIVE PULSES OR VIBRATIONS FOR A CONSTRUCTION MACHINE**
[54] **DISPOSITIF ET METHODE DE GENERATION D'IMPULSIONS PERCUSSIVES OU DE VIBRATIONS DESTINES A UNE MACHINE DE CONSTRUCTION**
[72] MERZHAEUSER, MARKUS, DE
[72] MOSCARITOLO, TOBIAS, DE
[72] UELHOFF, HENRIK, DE
[73] EURODRILL GMBH,
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[54] **PARTICLE THERAPY GANTRY WITH AN ENERGY DEGRADER AND AN ACHROMATIC FINAL BENDING SYSTEM**
[54] **PORTIQUE DE THERAPIE PAR PARTICULES AVEC DEGRADEUR D'ENERGIE ET SYSTEME DE FLEXION FINALE ACHROMATIQUE**
[72] SCHIPPERS, JACOBUS MAARTEN, CH
[72] MEER, DAVID, CH
[72] GERBERSHAGEN, ALEXANDER, CH
[73] PAUL SCHERRER INSTITUT,
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[54] **INLET VALVE, MIXING DEVICE AND CONTROL METHOD FOR INTRODUCING A POWDERY SUBSTANCE INTO A LIQUID**
[54] **SOUPAPE D'ALIMENTATION, DISPOSITIF MELANGEUR ET PROCEDE DE COMMANDE POUR L'INTRODUCTION D'UNE SUBSTANCE PULVERULENTE DANS UN LIQUIDE**
[72] MORK NIELSEN, MIKKEL, DK
[72] MARCUSSEN, TORBEN, DK
[72] DARRE, BJARNE, DK
[72] SCHWENZOW, UWE, DE
[73] GEA TDS GMBH,
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[54] **PROCESS FOR WITHDRAWING POLYOLEFINS**
[54] **PROCEDE DE SOUTIRAGE DE POLYOLEFINES**
[72] AL-HAJ ALI, MOHAMMAD, FI
[72] ERIKSSON, ERIK, SE
[72] VIJAY, SAMEER, AT
[72] MATHIVANAN, GUHAN, AT
[72] RASANEN, JUKKA, FI
[72] SLEIJSTER, HENRY, NL
[72] WURNITSCH, CHRISTOF, AT
[72] ZITTING, SAMULI, FI
[73] BOREALIS AG,
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[25] EN
[54] **IN-LINE BLENDING PROCESS**
[54] **PROCEDE DE MELANGE EN LIGNE**
[72] SLEIJSTER, HENRY, NL
[72] AL-HAJ ALI, MOHAMMAD, FI
[72] RASANEN, JUKKA, FI
[72] ZITTING, SAMULI, FI
[72] BERGSTRA, MICHIEL, BE
[72] ERIKSSON, ERIK, SE
[72] WURNITSCH, CHRISTOF, AT
[72] MATHIVANAN, GUHAN, AT
[72] VIJAY, SAMEER, AT
[72] KANELLOPOULOS, VASILEIOS, FI
[72] AHO, JANI, FI
[72] TAKAKARHU, JOUNI, FI
[73] BOREALIS AG,
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[54] **TOW PREPREG, COMPOSITE MATERIAL-REINFORCED PRESSURE VESSEL, AND METHOD OF PRODUCING COMPOSITE MATERIAL-REINFORCED PRESSURE VESSEL**
[54] **PREIMPREGNE DE CABLE, ET RECIPIENT SOUS PRESSION RENFORCE PAR UN MATERIAU COMPOSITE AINSI QUE PROCEDE DE FABRICATION DE CELUI-CI**
[72] OKAMOTO, SATOSHI, JP
[72] HARADA, YUKIHIRO, JP
[73] MITSUBISHI CHEMICAL CORPORATION,
[85] 2018-05-23
[86] 2016-12-06 (PCT/JP2016/086187)
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[54] **LAMINATED STEEL SHEET FOR BOTH-SIDED RESIN-COATED CONTAINER**
[54] **TOLE D'ACIER LAMELLEE DESTINEE A UN CONTENANT REVETU DE RESINE DES DEUX COTES**
[72] NAKAMURA, NORIHIKO, JP
[72] OSHIMA, YASUHIDE, JP
[72] KITAGAWA, JUNICHI, JP
[72] NAKAMARU, HIROKI, JP
[72] YAMANAKA, YOICHIRO, JP
[73] JFE STEEL CORPORATION,
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[25] EN
[54] **METHOD FOR THE PROVISION OF CARBON DIOXIDE FOR THE SYNTHESIS OF UREA**
[54] **PROCEDE PERMETTANT D'OBTENIR DU DIOXYDE DE CARBONE POUR LA SYNTHESE DE L'UREE**
[72] MAKHYNYA, YEVGENY, DE
[72] JOHANNING, JOACHIM, DE
[72] DOSTAL, DANIELA, DE
[73] THYSSENKRUPP INDUSTRIAL SOLUTIONS AG,
[73] THYSSENKRUPP AG,
[85] 2018-05-30
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[54] **WIND TURBINE WITH SUPPORTING RAIL**
[54] **EOLIENNE COMPORTANT UN RAIL DE SUPPORT**
[72] RODWAY, GILES, GB
[72] JOACHIM, KURT, GB
[73] SPINETIC ENERGY LIMITED,
[85] 2018-05-31
[86] 2016-11-30 (PCT/GB2016/053750)
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[25] EN
[54] **SUBSURFACE SAFETY VALVE WITH PERMANENT LOCK OPEN FEATURE**
[54] **VANNE DE SECURITE SOUTERRAINE DOTEE D'UNE CARACTERISTIQUE DE BLOCAGE PERMANENT EN POSITION OUVERTE**
[72] WILLIAMSON, JIMMIE ROBERT, US
[73] HALLIBURTON ENERGY SERVICES, INC.,
[85] 2018-05-31
[86] 2016-03-11 (PCT/US2016/022153)
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[54] **FOLDING FURNITURE**
[54] **MEUBLE PLIANT**
[72] BANKS, JESSICA, US
[73] ROCKPAPERROBOT, INC.,
[85] 2018-06-06
[86] 2016-05-16 (PCT/US2016/032793)
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[25] EN
[54] **HORIZONTAL GRINDING MACHINE WITH ENGINE FUEL CONSUMPTION CONTROL**
[54] **MACHINE DE BROYAGE HORIZONTALE AVEC COMMANDE DE LA CONSOMMATION DE CARBURANT DE MOTEUR**
[72] HARRISON, DAVID LYNN, US
[72] CUMMING, LAWRENCE ROBERT, US
[72] BITTROLF, GLENN FORD, US
[73] ASTEC INDUSTRIES, INC.,
[85] 2018-06-06
[86] 2016-12-08 (PCT/US2016/065527)
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[25] EN
[54] **STEEL SHEET FOR CANS AND PRODUCTION METHOD FOR STEEL SHEET FOR CANS**
[54] **TOLE D'ACIER POUR CANETTES ET PROCEDE DE FABRICATION D'UNE TOLE D'ACIER POUR CANETTES**
[72] NAKAGAWA, YUSUKE, JP
[72] SUZUKI, TAKESHI, JP
[72] SUTO, MIKITO, JP
[72] KOJIMA, KATSUMI, JP
[72] BABA, YUYA, JP
[73] JFE STEEL CORPORATION,
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[25] EN
[54] **STEEL SHEET FOR CANS AND PRODUCTION METHOD FOR STEEL SHEET FOR CANS**
[54] **TOLE D'ACIER POUR CANETTES ET PROCEDE DE FABRICATION DE TOLE D'ACIER POUR CANETTES**
[72] NAKAGAWA, YUSUKE, JP
[72] SUZUKI, TAKESHI, JP
[72] SUTO, MIKITO, JP
[72] KOJIMA, KATSUMI, JP
[72] BABA, YUYA, JP
[73] JFE STEEL CORPORATION,
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[25] EN
[54] **BOLT CARRIER BEARING TUBE FOR RIFLE RECEIVER**
[54] **TUBE DE SUPPORT DE PORTE-CULASSE POUR BOITE DE CULASSE DE FUSIL**
[72] VIVIANO, MATTEO, US
[73] SMITH & WESSON CORP.,
[85] 2018-06-08
[86] 2016-12-14 (PCT/US2016/066603)
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[25] EN
[54] **FILTER ASSEMBLY FOR FILTRATION OF ULTRA-FINE PARTICLES**
[54] **ENSEMBLE DE FILTRE SERVANT A FILTRER DES PARTICULES ULTRAFINES**
[72] LI, YONGWANG, US
[73] SYNFUEL AMERICAS CORPORATION,
[85] 2018-06-18
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[25] EN
[54] **METHOD FOR OPERATING A WIND TURBINE**
[54] **METHODE D'EXPLOITATION D'UNE EOLIENNE**
[72] BILGES, SOREN, DE
[73] SENVION GMBH,
[86] (3009204)
[87] (3009204)
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[54] **VASCULAR PROSTHESES FOR TREATING ANEURYSMS**
[54] **PROTHESES VASCULAIRES UTILISEES POUR LE TRAITEMENT DES ANEVRISMES**
[72] SHALEV, ALON, IL
[72] BENARY, RAPHAEL, IL
[73] ENDOSPAN LTD.,
[86] (3009244)
[87] (3009244)
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[54] **SYSTEMS AND METHODS FOR IMAGING USING ABSORPTION**
[54] **SYSTEMES ET PROCEDES D'IMAGERIE UTILISANT L'ABSORPTION**
[72] HART, DOUGLAS P., US
[72] FRIGERIO, FEDERICO, US
[72] MARINI, DAVIDE M., US
[73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY,
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[51] **Int.Cl. A61G 5/04 (2013.01) A61G 5/10 (2006.01)**
[25] EN
[54] **CONNECTION ASSEMBLY FOR COUPLING AN AUXILIARY DRIVE SYSTEM TO A WHEELCHAIR FOR DISABLED PEOPLE**
[54] **ENSEMBLE DE RACCORDEMENT POUR COUPLER UN SYSTEME D'ENTRAINEMENT AUXILIAIRE A UN FAUTEUIL ROULANT POUR PERSONNES HANDICAPEES**
[72] BENEDINI, ANTONIO, IT
[73] KLAXON MOBILITY GMBH,
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[54] **A METHOD FOR PREVENTING THE MISUSE OF ELECTRONIC ACCESS PERMISSIONS**
[54] **UNE METHODE DE PREVENTION DE LA MAUVAISE UTILISATION DE PERMISSIONS D'ACCES ELECTRONIQUE**
[72] MALMORG, ANDERS, AT
[72] JAYAPRAKASH, VAIJAYANTHI MALA, IN
[73] SKIDATA AG,
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[54] **SORTING OUTLET MODULE FOR A POSTAL SORTING MACHINE**
[54] **MODULE DE SORTIE DE TRI POUR MACHINE DE TRI POSTAL**
[72] RIEU, JEAN, FR
[72] CHAPELET, JACQUES, FR
[72] MESTRALLET, FREDERIC, FR
[73] SOLYSTIC,
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[25] EN
[54] **A HEAT EXCHANGER PLATE FOR A PLATE HEAT EXCHANGER, AND A PLATE HEAT EXCHANGER**
[54] **PLAQUE D'ECHANGEUR DE CHALEUR POUR ECHANGEUR DE CHALEUR A PLAQUES, ET ECHANGEUR DE CHALEUR A PLAQUES ASSOCIE**
[72] ROMLUND, JENS, SE
[73] ALFA LAVAL CORPORATE AB,
[85] 2018-06-27
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[54] **SLOUCH CORRECTION DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE CORRECTION D'AVACHISSEMENT**
[72] MACKENZIE, MATTHEW, CA
[72] ALIPHAT, GABRIEL J. W., CA
[73] MACKENZIE HEALTH CARE TECHNOLOGIES LTD.,
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[54] **TUNNEL BORING DEVICE AND SYSTEM FOR THE HYDRAULIC REMOVAL OF CUTTINGS, AND SYSTEM FOR PRODUCING A STABLE FLUID PRESSURE FOR A BORING FLUID IN THE REGION OF A CUTTING DISK OF THE TUNNEL BORING DEVICE**
[54] **TUNNELIER ET SYSTEME D'EVACUATION PAR VOIE HYDRAULIQUE DE DEBLAIS DE FORAGE ET SYSTEME POUR ETABLIR UNE PRESSION STABLE D'UN LIQUIDE DE FORAGE DANS LA ZONE D'UNE ROUE DE COUPE DUDIT TUNNELIER**
[72] GERHARDT, TOBIAS, DE
[72] LUBBERGER, MICHAEL, DE
[73] HERRENKNECHT AG,
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[54] **PROTECTIVE CAP FOR AN INSERTION DEVICE AND OTHER INSERTION DEVICE FEATURES**
[54] **CAPUCHON DE PROTECTION POUR UN DISPOSITIF D'INSERTION ET AUTRES ELEMENTS DE DISPOSITIF D'INSERTION**
[72] ANDERSON, STEVEN R., US
[72] RUDDOCKS, DAVID A., US
[72] GAYLORD, DAVID W., US
[72] COLE, MARK S., US
[73] JOHNSON & JOHNSON SURGICAL VISION, INC.,
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[25] EN
[54] **APPARATUS, SYSTEM AND METHOD FOR PROVIDING LASER STEERING AND FOCUSING FOR INCISION, EXCISION AND ABLATION OF TISSUE IN MINIMALLY-INVASIVE SURGERY**
[54] **APPAREIL, SYSTEME ET PROCEDE DE PILOTAGE ET DE FOCALISATION D'UN LASER POUR L'INCISION, L'EXCISION ET L'ABLATION DE TISSU EN CHIRURGIE MINI-INVASIVE**
[72] TOLEDO-CROW, RICARDO, US
[72] PATEL, SNEHAL, US
[72] RAJADHYAKSHA, MILIND, US
[73] MEMORIAL SLOAN-KETTERING CANCER CENTER,
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[54] **PANEL-LIKE FORMED PRODUCT, VEHICLE DOOR, AND METHOD FOR MANUFACTURING A PANEL-LIKE FORMED PRODUCT**
[54] **ARTICLE MOULE EN FORME DE PANNEAU, PORTE DE VEHICULE ET PROCEDE POUR LA FABRICATION D'ARTICLE MOULE EN FORME DE PANNEAU**
[72] OTSUKA, KENICHIRO, JP
[72] NAKAZAWA, YOSHIAKI, JP
[72] KAWACHI, TAKESHI, JP
[72] KASEDA, YOSHIYUKI, JP
[73] NIPPON STEEL CORPORATION,
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[54] **EXTRACTION OF LIQUID ELEMENTS BY ELECTROLYSIS OF OXIDES**
[54] **EXTRACTION D'UN ELEMENT LIQUIDE PAR ELECTROLYSE D'OXYDES**
[72] ALLANORE, ANTOINE, US
[72] SADOWAY, DONALD R., US
[73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY,
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[25] EN
[54] **FINGER HOOK-SHAPED TOOL FOR A SOIL CULTIVATION DEVICE; METHOD FOR MECHANICAL CONTROL OF WEEDS IN ROW CROPS**
[54] **OUTIL DE DOIGT EN FORME DE CROCHET DESTINE A UN APPAREIL DE CULTURE DU SOL; METHODE DE CONTROLE MECANIQUE DES MAUVAISES HERBES DANS LES CULTURES EN RANG**
[72] KIRCHHOFF, CHRISTIAN, DE
[73] K.U.L.T. KRESS UMWELTSCHONENDE LANDTECHNIK GMBH,
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[25] EN
[54] **RATIONAL METHOD FOR THE POWDER METALLURGICAL PRODUCTION OF THERMOELECTRIC COMPONENTS**
[54] **PROCEDE RATIONNEL POUR LA FABRICATION PAR LA METALLURGIQUE DES POUDRES DE COMPOSANTS THERMOELECTRIQUES**
[72] RAJIC, ZELJKO, DE
[72] HOCH, SASCHA, DE
[72] KERN, MAGDALENA, DE
[72] STENNER, PATRIK, DE
[72] BUSSE, JENS, DE
[72] GIESSELER, MAREIKE, DE
[72] DEIS, WOLFGANG, DE
[73] EVONIK OPERATIONS GMBH,
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[86] 2017-01-06 (PCT/EP2017/050248)
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[30] EP (16152219.8) 2016-01-21

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[25] EN
[54] **IMPROVED PERFORMANCE NON-EMULSIFIERS THAT EMPLOY BRANCHED ALCOHOLS AND A NEW HIGH-SOLVENCY CARRIER OIL**
[54] **COMPOSITIONS DESEMULSIFIANTES AUX PERFORMANCES AMELIOREES QUI UTILISENT DES ALCOOLS RAMIFIES ET UNE NOUVELLE HUILE SUPPORT A HAUTE SOLVABILITE**
[72] HOLTSCLAW, JEREMY A., US
[72] ALWATTARI, ALI, US
[72] PALLA VENKATA, CHANDRA SEKHAR, US
[72] HOLAN, KRISTINA HENKEL, US
[72] KHAMATNUROVA, TATYANA V., US
[72] ANDERSON, KATELYN LEMM, US
[73] HALLIBURTON ENERGY SERVICES, INC.,
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[54] **CONTROL OF HYDRAULIC POWER FLOWRATE FOR MANAGED PRESSURE DRILLING**
[54] **COMMANDE DU DEBIT D'ENERGIE HYDRAULIQUE POUR FORAGE SOUS PRESSION CONTROLEE**
[72] NORTHAM, PAUL R., US
[72] DILLARD, WALTER S., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC,
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[54] **INKJET RECORDING DEVICE AND INKJET RECORDING METHOD**
[54] **DISPOSITIF D'ENREGISTREMENT A JET D'ENCRE ET PROCEDE D'ENREGISTREMENT A JET D'ENCRE**
[72] FUJII, ICHIROH, JP
[72] HABASHI, HISASHI, JP
[73] RICOH COMPANY, LTD.,
[85] 2018-07-18
[86] 2017-01-19 (PCT/JP2017/001763)
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[54] **DEVICE INCLUDING A SEAL ASSEMBLY**
[54] **DISPOSITIF COMPRENANT UN ENSEMBLE JOINT D'ETANCHEITE**
[72] CHAMBERS, LARRY DELYNN, US
[72] SITKA, MARK ANTHONY, US
[73] HALLIBURTON ENERGY SERVICES, INC.,
[85] 2018-07-25
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[54] **PRESSURE ASSISTED MOTOR OPERATED RAM ACTUATOR FOR WELL PRESSURE CONTROL DEVICE**
[54] **ACTIONNEUR DE VERIN MOTORISE ASSISTE PAR PRESSION POUR DISPOSITIF DE COMMANDE DE PRESSION DE PUITS**
[72] DEUL, HANS H., J., US
[72] O'NEILL, PATRICK, US
[72] VAN KUILENBURG, ROBERT, US
[72] SIBREL, MATTHEW, US
[72] IANKOV, IVAN, US
[73] NOBLE DRILLING SERVICES INC.,
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[54] **IMAGING OPTICS FOR MATERIAL MACHINING BY MEANS OF LASER RADIATION AND LASER MACHINING HEAD WITH SUCH IMAGING OPTICS**
[54] **APPAREILS OPTIQUES D'IMAGERIE DESTINES A L'USINAGE DE MATERIAUX AU MOYENDE RAYONNEMENT LASER ET TETE D'USINAGE LASER COMPORTANT DE TELS APPAREILS D'IMAGERIE**
[72] BLAZQUEZ-SANCHEZ, DAVID, DE
[73] PRECITEC GMBH & CO. KG,
[85] 2018-07-31
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[54] **PROPPANT DISCHARGE SYSTEM AND A CONTAINER FOR USE IN SUCH A PROPPANT DISCHARGE SYSTEM**
[54] **SYSTEME D'EVACUATION D'AGENT DE SOUTENEMENT ET RECIPIENT DESTINE A ETRE UTILISE DANS UN TEL SYSTEME D'EVACUATION D'AGENT DE SOUTENEMENT**
[72] OREN, JOHN, US
[72] OREN, JOSHUA, US
[73] OREN TECHNOLOGIES, LLC,
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[54] **FORME CRISTALLINE DE SEL DE 1-(5-(2,4-DIFLUOROPHENYL)1((3-FLUOROPHENYL)SULFONYL)-4-METHOXY-1H-PYRROL-3-YL)-N-METHYLMETHANAMINE**
[72] KIM, AERI, KR
[72] CHO, KWAN HYUNG, KR
[73] DAEWOONG PHARMACEUTICAL CO., LTD.,
[85] 2018-08-15
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[54] **HEATER BUNDLE FOR ADAPTIVE CONTROL**
[54] **FAISCEAU CHAUFFANT POUR COMMANDE ADAPTATIVE**
[72] EVERLY, MARK, US
[72] STEINHAUSER, LOUIS P., US
[73] WATLOW ELECTRIC MANUFACTURING COMPANY,
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[54] **JOINT THAT IS FIXABLE IN REGULARLY SPACED-APART POSITIONS, AND COMPONENT ASSEMBLY HAVING SUCH A JOINT**
[54] **ARTICULATION POUVANT ETRE FIXEE A DES POSITIONS EQUIDISTANTES ET GROUPE DE COMPOSANTS DOTE D'UNE ARTICULATION DE CE TYPE**
[72] WITTE, ANDREAS, DE
[73] WITTE BARSKAMP KG,
[85] 2018-08-29
[86] 2017-02-23 (PCT/EP2017/054154)
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[54] **METHODS OF SECURING AN INITIAL LAYER DURING ADDITIVE MANUFACTURING OF THERMOPLASTIC MATERIAL**
[54] **PROCEDES DE FIXATION D'UNE COUCHE INITIALE PENDANT LA FABRICATION ADDITIVE D'UN MATERIAU THERMOPLASTIQUE**
[72] SUSNJARA, KENNETH J., US
[72] VAAL, SCOTT G., US
[73] THERMWOOD CORPORATION,
[85] 2018-08-31
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[54] **IMPROVED DEVICE FOR JOINING PARTS OF FURNITURE AND FURNISHING ACCESSORIES**
[54] **DISPOSITIF AMELIORE POUR ASSEMBLER DES PIECES DE MEUBLES ET ACCESSOIRES D'AMEUBLEMENT**
[72] GIOVANNETTI, ANTONIO, IT
[73] HAFELE BERLIN GMBH & CO KG,
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[54] **CUSHIONS INCLUDING A COATED ELASTOMERIC CUSHIONING ELEMENT AND RELATED METHODS**
[54] **COUSSINS COMPORTANT UN ELEMENT DE REMBOURRAGE ELASTOMERE AVEC REVETEMENT ET PROCEDES ASSOCIES**
[72] PEARCE, TONY M., US
[73] PURPLE INNOVATION, LLC,
[85] 2018-09-05
[86] 2017-03-03 (PCT/US2017/020726)
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[54] **ARTIFICIAL CANDLE WITH MOVEABLE PROJECTION SCREEN POSITION**
[54] **CHANDELLE ARTIFICIELLE A POSITIONNEMENT D'ECRAN DE PROJECTION MOBILE**
[72] CARPINTERO, CARLOS, CA
[72] HURDOC, LUCIAN, CA
[72] MARINIER, CARL, CA
[73] STERNO HOME INC.,
[86] (3016801)
[87] (3016801)
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[54] **METHOD AND APPARATUS FOR IMAGE ENCODING AND DECODING USING INTRA PREDICTION**
[54] **METHODE ET APPAREIL D'ENCODAGE ET DE DECODAGE D'IMAGE UTILISANT L'INTRA-PREDICTION**
[72] LEE, TAMMY, KR
[72] CHEN, JIANLE, KR
[73] SAMSUNG ELECTRONICS CO., LTD.,
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[54] **COUVERCLE INVIOLABLE NON AMOVIBLE**
[72] ROSENQUIST, TOBIAS, SE
[73] CARMEL PHARMA AB,
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[54] **CONVERTIBLE FILTRATION SYSTEM**
[54] **SYSTEME DE FILTRAGE CONVERTIBLE**
[72] KOREIS, JOSEPH A., US
[72] BLISS, GALEN A., US
[73] CLARUS FLUID INTELLIGENCE, LLC,
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[87] (3019782)
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[54] **CHEMICAL PROCESS FOR SULFUR REDUCTION OF HYDROCARBONS**
[54] **PROCEDE CHIMIQUE DE REDUCTION DE SOUFRE D'HYDROCARBURES**
[72] WEERS, JERRY J., US
[72] O'BRIEN, TIMOTHY J., US
[72] MORGAN, WAYNN C., US
[73] BAKER HUGHES, A GE COMPANY, LLC,
[85] 2018-10-10
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[54] **FITTING FOR RELEASABLY CONNECTING TWO FURNITURE PARTS**
[54] **FERRURE POUR LA LIAISON LIBERABLE DE DEUX ELEMENTS DE MEUBLE**
[72] WALZ, RUDIGER, DE
[72] LEISTERT, PEER, DE
[72] NITSCHMANN, GUNTER, DE
[73] HAFELE BERLIN GMBH & CO KG,
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[54] **SURGICAL BUR WITH NON-PAIRED FLUTES**
[54] **FRAISE CHIRURGICALE MUNIE DE GOUJURES NON APPAIREES**
[72] KULAS, JOHN W., US
[72] STEARNS, DONALD E., US
[73] MEDTRONIC PS MEDICAL, INC.,
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[25] EN
[54] **FITTING HAVING TABBED RETAINER AND OBSERVATION APERTURES**
[54] **RACCORD MUNI D'UN DISPOSITIF DE RETENUE A LANGUETTES ET D'ORIFICES D'OBSERVATION**
[72] SITH, AHMAD, US
[72] BOWMAN, MATTHEW A., US
[72] MADARA, SCOTT D., US
[72] STERNER, JEFFREY LANCE, US
[73] VICTAULIC COMPANY,
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[54] **BATTERY POWERED HAND-HELD ULTRASONIC SURGICAL CAUTERY CUTTING DEVICE**
[54] **CAUTERE ULTRASONIQUE A MAIN ALIMENTE PAR PILE**
[72] BALES, THOMAS O., JR., US
[72] DEVILLE, DEREK DEE, US
[72] SMITH, KEVIN W., US
[72] PALMER, MATTHEW A., US
[73] COVIDIEN AG,
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[54] **PLANT HEALTH COMPOSITIONS COMPRISING A WATER-SOLUBLE PESTICIDE AND A WATER-INSOLUBLE AGROCHEMICAL**
[54] **COMPOSITIONS PHYTOSANITAIRES CONTENANT UN PESTICIDE SOLUBLE DANS L'EAU ET UNE SUBSTANCE AGROCHIMIQUE SOLUBLE DANS L'EAU**
[72] ZHANG, JUNHUA, US
[72] KOHN, FRANK C., US
[72] WRIGHT, DANIEL R., US
[72] DYSZLEWSKI, ANDREW D., US
[72] ABRAHAM, WILLIAM, US
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[73] MONSANTO TECHNOLOGY LLC,
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[54] **TOOTHED BELT AND MANUFACTURING METHOD THEREFOR**
[54] **COURROIE CRANTEE ET PROCEDE DE FABRICATION S'Y RAPPORTANT**
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[73] MITSUBOSHI BELTING LTD.,
[85] 2018-10-30
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[54] **DISPOSITIFS D'ANASTOMOSE**
[72] SAMBANDAM, SAKTHI, US
[73] W.L. GORE & ASSOCIATES, INC.,
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[54] **DECOUPLEUR ISOLANT**
[72] SERKH, ALEXANDER, US
[72] HODJAT, YAHYA, US
[72] KLEYMAN, ILYA, US
[72] RAHDAR, ESSIE, US
[73] GATES CORPORATION,
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[54] **INFRARED RADIATION HEATER**
[54] **DISPOSITIF DE CHAUFFAGE PAR RAYONNEMENT INFRAROUGE**
[72] KIMPARA, NAOYA, JP
[73] SHIZUOKA SEIKI CO., LTD.,
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[54] **MECANISME D'ADMINISTRATION DESTINE A UN DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] ALEXANDERSSON, OSCAR, SE
[73] SHL MEDICAL AG,
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[54] **FLUID DISPENSING ASSEMBLY**
[54] **ENSEMBLE DE DISTRIBUTION DE FLUIDE**
[72] BRELJE, LOREN L., US
[72] RICHARDS, JAMES L., US
[72] MAHER, MICHAEL, US
[73] DAVID S. SMITH AMERICA, INC., DBA, WORLDWIDE DISPENSERS,
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[72] JAMES, ADAM GRAHAM, GB
[72] CHEN, JIE, GB
[72] WILLS, ANTHONY ARTHUR, GB
[73] ENDOGUARD LIMITED,
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[54] **IMAGE QUALITY ASSESSMENT AND IMPROVEMENT FOR PERFORMING OPTICAL CHARACTER RECOGNITION**
[54] **EVALUATION ET AMELIORATION DE LA QUALITE D'IMAGE DESTINEES A EFFECTUER UNE RECONNAISSANCE OPTIQUE DE CARACTERES**
[72] BECKER, RICHARD J., US
[72] KANDPAL, RAKESH, US
[72] KOTHARI, PRIYA, US
[72] PORCINA, SHELDON, CA
[72] MALYNIN, PAVLO, CA
[73] INTUIT INC.,
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[54] **TREATMENT OF HEAVY OILS TO REDUCE OLEFIN CONTENT**
[54] **TRAITEMENT DE PETROLES BRUTS POUR REDUIRE LA TENEUR EN OLEFINES**
[72] CHORNET, MICHEL, CA
[72] CHRONOPOULOS, CHRISTOS, CA
[72] DEHKISSIA, SOUMAINE, CA
[73] FRACTAL SYSTEMS, INC.,
[86] (3027076)
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[25] EN
[54] **SYSTEM AND METHODS FOR DISTRIBUTION OF HETEROGENEOUS WAVELENGTH MULTIPLEXED SIGNALS OVER OPTICAL ACCESS NETWORK**
[54] **SYSTEME ET PROCEDES DESTINES A LA DISTRIBUTION DE SIGNAUX MULTIPLEXES EN LONGUEUR D'ONDE HETEROGENES SUR UN RESEAU D'ACCES OPTIQUE**
[72] CAMPOS, LUIS ALBERTO, US
[72] JIA, ZHENSHENG, US
[73] CABLE TELEVISION LABORATORIES, INC.,
[85] 2018-12-12
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[54] **METHOD AND SYSTEM FOR STRIPPING TUBULARS AND THE LIKE**
[54] **PROCEDE ET SYSTEME D'EXTRACTION D'ELEMENTS TUBULAIRES ET SIMILAIRES**
[72] TAGGART, MARK, CA
[73] I3-EDGE LTD.,
[85] 2018-12-17
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[54] **DISPOSITIF DE DISSIPATION DE CHALEUR MULTICOUCHE COMPRENANT DES CAPACITES DE STOCKAGE DE CHALEUR, POUR UN DISPOSITIF ELECTRONIQUE**
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[72] CHIRIAC, VICTOR, US
[73] QUALCOMM INCORPORATED,
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[54] **ESURE EN TEMPS REEL D'ANALYSE DE GAZ DE DIAGRAPHIE DE BOUE**
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[73] HALLIBURTON ENERGY SERVICES, INC.,
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[54] **BOUES DE CIMENT DESTINEES AUX TROUS DE PUITS**
[72] PERNITES, RODERICK B., US
[72] FLORENCIA, FELIPE PADILLA, US
[72] CLARK, JORDAN LEE, US
[72] GONZALEZ, ANGEL F., US
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[54] **ULTRAVIOLET DISCHARGE LAMP APPARATUSES WITH ONE OR MORE REFLECTORS AND SYSTEMS WHICH DETERMINE OPERATING PARAMETERS AND DISINFECTION SCHEDULES FOR GERMICIDAL DEVICES**
[54] **APPAREILS A LAMPE A DECHARGE ULTRAVIOLETTE POSSEDANT UN OU PLUSIEURS REFLECTEURS ET DES SYSTEMES QUI DETERMINENT DES PARAMETRES DE FONCTIONNEMENT ET DES PROGRAMMES DE DESINFECTION POUR DES DISPOSITIFS GERMICIDES**
[72] FRYDENDALL, ERIC MARTIN, US
[72] GARFIELD, ALEXANDER NATHAN, US
[72] RATHGEBER, MARTIN, US
[72] STIBICH, MARK ANDREW, US
[72] WOLFORD, JAMES BLAINE, US
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[54] **ANTICORPS ANTI-HER2 BISPECIFIQUE**
[72] LI, FENG, CN
[72] ZHANG, BOYAN, CN
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[72] HUANG, SIJIA, CN
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[54] **PROCEDE DE REDUCTION DU RETRAIT AU SECHAGE DE CORPS DURCI A BASE DE CIMENT**
[72] FUJIWARA, HIROMI, JP
[72] TAKEMOTO, SHINICHI, JP
[72] SASAKI, YOSHIKATSU, JP
[73] UTSUNOMIYA UNIVERSITY,
[73] DPS BRIDGE WORKS CO., LTD.,
[73] MIZOGUCHIJIGYO CO.,LTD.,
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[54] **PROCEDE DE REDUCTION DE LA CONSOMMATION D'ENERGIE PENDANT LE PRETRAITEMENT D'UNE BIOMASSE**
[72] HUEHNLEIN, BJORN, DE
[72] HOPPE, THOMAS, DE
[72] HORTSCH, RALF, DE
[73] CLARIANT INTERNATIONAL LTD,
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[54] **RENDERING, VIEWING AND ANNOTATING PANORAMIC IMAGES, AND APPLICATIONS THEREOF**
[54] **RENDU, VISUALISATION ET ANNOTATION D'IMAGES PANORAMIQUES ET SES APPLICATIONS**
[72] VINCENT, LUC, US
[72] FILIP, DANIEL, US
[72] CHAU, STEPHEN, US
[72] LAFON, STEPHANE, US
[72] YANG, ZHONGHAO, US
[72] SZYBALSKI, ANDREW TIMOTHY, US
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[54] **PINCE ANCRABLE ET HARNAIS DE CABLAGE**
[72] LECOURS, MARC, CA
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[54] **SYSTEME, PROCEDE ET PROGRAMME DE GESTION IMMOBILIERE**
[72] KAMETA, HAYATO, JP
[73] ZWEISPACE JAPAN CORP.,
[85] 2019-03-26
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[54] **COMPOSITIONS DE SOINS BUCCAUX**
[72] REGE, AARTI, US
[72] PRENCIPE, MICHAEL, US
[73] COLGATE-PALMOLIVE COMPANY,
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[54] **SENSOR ASSEMBLY FOR MONITORED HEAT EXCHANGER SYSTEM AND RELATED**
[54] **ENSEMBLE DE CAPTEUR DESTINE A UN SYSTEME D'ECHANGEUR DE CHALEUR SURVEILLE ET ELEMENT CONNEXE**
[72] HJORTH, DEREK, US
[72] GASKA, JOHN, US
[72] VANBERG, RANDY, US
[72] VISSCHER, KEVIN, CA
[72] LOTEY, IQBAL, CA
[72] PENG, BOB, CA
[72] RAJANI, HAMID REZA ZAREIE, CA
[72] LARIMI, SEYED REZA, CA
[72] ABBASI, MORTEZA, CA
[73] GLOBAL HEAT TRANSFER ULC,
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[54] **METHANE MONITORING AND CONVERSION APPARATUS AND METHODS**
[54] **APPAREIL ET METHODES DE SURVEILLANCE ET DE CONVERSION DU METHANE**
[72] BECK, MICHAEL, CA
[73] SURFACE SOLUTIONS INC.,
[86] (3051376)
[87] (3051376)
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[54] **DISPLAY DEVICE WITH OPTICALLY CLEAR FLUID DISPOSED BETWEEN DISPLAY PANEL AND DISPLAY COVER**
[54] **DISPOSITIF D'AFFICHAGE AVEC FLUIDE OPTIQUEMENT TRANSPARENT DISPOSE ENTRE LE PANNEAU D'AFFICHAGE ET LE CAPOT D'ECRAN**
[72] MORTON, KEITH, US
[73] DISPLAY LOGIC USA INC.,
[85] 2019-08-07
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[25] EN
[54] **CANVAS CLEANING DEVICE, CANVAS CLEANING METHOD AND CANVAS CLEANING MECHANISM**
[54] **DISPOSITIF DE NETTOYAGE DE TOILE, METHODE DE NETTOYAGE DE TOILE ET MECANISME DE NETTOYAGE DE TOILE**
[72] SEKIYA, HIROSHI, JP
[72] NAGATSUKA, TOMOHIKO, JP
[72] YUSA, KAZUYUKI, JP
[73] MAINTECH CO., LTD.,
[85] 2019-08-09
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[54] **CLICK BASED TRADING WITH INTUITIVE GRID DISPLAY OF MARKET DEPTH**
[54] **TRANSACTION DECLENCHEE PAR UN CLIC AVEC AFFICHAGE INTUITIF DE GRILLE DE PROFONDEUR DE MARCHE**
[72] KEMP, GARY ALLAN, US
[72] SCHLUETTER, JENS-UWE, US
[72] BRUMFIELD, HARRIS, US
[73] TRADING TECHNOLOGIES INTERNATIONAL, INC.,
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[25] EN
[54] **FLOTATION OILS, PROCESSES AND USES THEREOF**
[54] **HUILES DE FLOTTAISON, PROCEDES ET UTILISATIONS ASSOCIEES**
[72] WHEELER, CHARLES, CA
[72] WHEELER, LUCIE B., CA
[73] ENVIROLLEA INC.,
[86] (3056047)
[87] (3056047)
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[54] **FLOTATION OILS, PROCESSES AND USES THEREOF**
[54] **HUILES DE FLOTTAISON, PROCEDES ET UTILISATIONS ASSOCIEES**
[72] WHEELER, LUCIE B., CA
[72] WHEELER, CHARLES, CA
[73] ENVIROLLEA INC.,
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[87] (3056050)
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[54] **VANNE DE VIDANGE MARINE**
[72] EBERSTADT, RUDOLPH, III, US
[73] EBERSTADT, RUDOLPH, III,
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[54] **WIRE-TO-WIRE CONNECTOR WITH SHUNT**
[54] **CONNECTEUR FIL-A-FIL AVEC SHUNT**
[72] LYBRAND, BRENT, US
[73] AVX CORPORATION,
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[54] **METHOD AND APPARATUS FOR PASTEURIZING AND DEHYDRATING MARIJUANA**
[54] **PROCEDE ET APPAREIL DE PASTEURISATION ET DE DESHYDRATATION DE MARIJUANA**
[72] DURANCE, TIMOTHY D, CA
[72] SANDBERG, GARY, CA
[72] FU, JUN, CA
[72] ZHANG, GUOPENG, CA
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[54] **SYSTEME D`ATTERRISSAGE D`URGENCE, DE DECOLLAGE ET DE DECROCHAGE**
[72] DUSHYANT, SHARMA, CA
[71] DUSHYANT, SHARMA, CA
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[54] **NOVEL MULTIHYDRIDE HALF SANDWICH RUTHENIUM COMPLEXES AND THEIR APPLICATION AS H/D EXCHANGE AND HYDRODEFLUORINATION CATALYSTS**
[54] **NOUVEAUX COMPLEXES DE RUTHENIUM EN DEMI-SANDWICH A HYDRURES MULTIPLES ET LEUR APPLICATION EN TANT QUE CATALYSEURS D`ECHANGE D`HYDROGENE ET DE DEUTERIUM ET D`HYDRODEFLUORATION**
[72] MAI, VAN HUNG, CA
[71] MAI, VAN HUNG, CA
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[25] EN
[54] **ANALYSIS SYSTEM AND METHOD FOR CHARACTERIZING MUTATIONS AT SPLICE JUNCTIONS, IDENTIFICATION OF VARIANTS AT SPLICE JUNCTIONS AND SPLICING REPAIR AGENTS**
[54] **SYSTEME ET METHODE D`ANALYSE POUR CARACTERISER DES MUTATIONS AU NIVEAU DES JONCTIONS D`EPISSAGE, IDENTIFICATION DE VARIANTS AU NIVEAU DES JONCTIONS D`EPISSAGE ET AGENTS DE REPARATION D`EPISSAGE**
[72] WAN, LEO, CA
[72] TORRES, NIKKO, CA
[72] MACLEAN, CALUM, CA
[72] HUNG, MINNIE PUI SHAN, CA
[71] RANOMICS INC., CA
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[54] **DEFLECTEUR D`AIR POUR VEHICULE TRACTANT UNE REMORQUE**
[72] GUERIN, LUC, CA
[71] GUERIN, LUC, CA
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[54] **CANNABIS FORMULATION AND METHOD OF PREPARATION**
[54] **FORMULATION DE CANNABIS ET SA METHODE DE PREPARATION**
[72] GUERRAZZI, TOMMY JOHN, US
[72] GUERRAZZI, DORIAN ORION, US
[71] PURITY AGRITECH CORP., CA
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[54] **EAT&SAVE T, M**
[54] **MANGER ET ECONOMISER T, M**
[72] ALSHEGHRI, AHMAD ABO, CA
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[54] **CONDUIT AND COMPONENT SUPPORT SYSTEM**
[54] **SYSTEME DE SUPPORT POUR CONDUIT ET COMPOSANT**
[72] PERRY, SHAWN F. D., CA
[71] PERRY, SHAWN F. D., CA
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[25] EN
[54] **A QUICK FIT FAN BLADE INTERFACE**
[54] **INTERFACE DE PALE DE VENTILATEUR A INSTALLATION RAPIDE**
[72] YU, WILLIAM, AU
[71] DEKA AUSTRALIA PTY LTD, AU
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[54] **MAGIC TENT SYSTEM**
[54] **SYSTEME DE TENTE MAGIQUE**
[72] ALSHEGHRI, AHMAD ABO, CA
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[51] **Int.Cl. C08F 210/02 (2006.01) C08F 4/6592 (2006.01) C08F 232/08 (2006.01)**
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[54] **ETHYLENE-CYCLIC MONO OLEFIN COPOLYMERIZATIONS**
[54] **COPOLYMERISATIONS DE MONOOLEFINES CYCLIQUES**
[72] WANG, QINYAN, CA
[72] WANG, XIAOCHUAN, CA
[72] ZORICAK, PETER, CA
[72] CLEMENS, STEVEN, CA
[72] MOLLOY, BRIAN, CA
[71] NOVA CHEMICALS CORPORATION, CA
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[54] **GAMING IN QUEUE**
[54] **JEU EN FILE D`ATTENTE**
[72] UNKNOWN, XX
[71] MCLAY, JAMES T., CA
[22] 2018-10-15
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[51] **Int.Cl. B65D 75/36 (2006.01) A61J 7/00 (2006.01) B41M 5/26 (2006.01) B65B 5/06 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR AUTOMATICALLY FILLING DISPENSING CONTAINERS**
[54] **PROCEDES ET APPAREIL DE REMPLISSAGE AUTOMATIQUE DE CONTENANTS DE DISTRIBUTION**
[72] HOGAN, MARK PAUL, GB
[71] MEDI-CLEAR LTD, GB
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[25] EN
[54] **COLLAPSIBLE TIE COLUMNS**
[54] **COLONNES DE LIAISON DEMONTABLES**
[72] LERMA, ROMEO TREVINO, MX
[71] LERMA, ROMEO TREVINO, MX
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[25] EN
[54] **PULL CORD BUDDY**
[54] **ASSISTANT-CABLE DE TIRAGE**
[72] UNKNOWN, XX
[71] REID, JOHN C., CA
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[41] 2020-04-15

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[51] **Int.Cl. G06Q 40/02 (2012.01)**
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[54] **INTEGRATED CREDIT APPLICATION AND PROVISIONING SOLUTION**
[54] **SOLUTION INTEGREE DE DEMANDE DE CREDIT ET DE PROVISIONNEMENT**
[72] BLOY, ADRIAN, CA
[72] CHEUNG, DANIEL LAM TIN, CA
[72] MALEKI, ASGAR, CA
[72] YUEN, KEVIN, CA
[72] MULLENAX, DANIELLE MARIE, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2018-10-16
[41] 2020-04-16
[30] US (16/161,269) 2018-10-16

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[13] A1
[51] **Int.Cl. B61D 7/20 (2006.01) B61D 7/28 (2006.01)**
[25] EN
[54] **BALLAST CAR GATING SYSTEM**
[54] **SYSTEME D`ALIMENTATION POUR WAGON A BALLAST**
[72] SWINGHAMMER, LAURIE, CA
[72] UNKNOWN, XX
[71] SWINGHAMMER, LAURIE, CA
[22] 2018-10-16
[41] 2020-04-16

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[13] A1
[51] **Int.Cl. G01R 29/00 (2006.01) G01R 35/00 (2006.01) H02H 7/28 (2006.01) H02J 13/00 (2006.01) G01R 27/04 (2006.01)**
[25] FR
[54] **RECONSTRUCTION OF A TOPOLOGY OF AN ELECTRICAL DISTRIBUTION NETWORK**
[54] **RECONSTRUCTION D'UNE TOPOLOGIE D'UN RESEAU DE DISTRIBUTION ELECTRIQUE**
[72] LEONARD, FRANCOIS, CA
[71] HYDRO-QUEBEC, CA
[22] 2018-10-16
[41] 2020-04-16

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[13] A1
[51] **Int.Cl. B67D 7/08 (2010.01) B67D 7/04 (2010.01) B67D 7/32 (2010.01) B60P 3/00 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **MOBILE DISTRIBUTION STATION WITH FAIL-SAFES**
[54] **STATION DE DISTRIBUTION MOBILE A SECURITE INTEGREE**
[72] SHOCK, RICKY DEAN, US
[71] FUEL AUTOMATION STATION, LLC, US
[22] 2018-10-16
[41] 2020-04-16

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[51] **Int.Cl. E04H 4/14 (2006.01)**
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[54] **WATER MODULES FOR ABOVE-GROUND SWIMMING POOLS**
[54] **DIVISIONS D`ALIMENTATION D`EAU POUR PISCINES HORS-SOL**
[72] CARRIERE, THIERRY, CA
[72] GUAY-GUILLEMETTE, MAXIME, CA
[72] LAFOND, VERONIQUE, CA
[72] VIENS, CARL, CA
[71] GROUP VIF INC., CA
[22] 2018-10-17
[41] 2020-04-17

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[13] A1
[51] **Int.Cl. B60P 3/36 (2006.01) B60R 15/00 (2006.01) B62D 63/08 (2006.01)**
[25] EN
[54] **MULTI-FUNCTIONAL MOVIE INDUSTRY TRAILER SYSTEM AND METHOD**
[54] **REMORQUE MULTIFONCTIONNELLE POUR INDUSTRIE CINEMATOGRAPHIQUE ET PROCEDE**
[72] EKONOMOU, JOHN, CA
[72] EKONOMOU, CHRIS, CA
[71] EKONOMOU, JOHN, CA
[71] EKONOMOU, CHRIS, CA
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[51] **Int.Cl. E03D 7/00 (2006.01) A47K 4/00 (2006.01) A47K 11/00 (2006.01) G09F 19/22 (2006.01)**
[25] EN
[54] **SELF MAINTENANCE MOBILE TOILET**
[54] **TOILETTES MOBILES AUTONETTOYANTES**
[72] QU, LIANGGUO, CA
[71] QU, LIANGGUO, CA
[22] 2018-10-17
[41] 2020-04-17

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[51] **Int.Cl. H02J 7/35 (2006.01) H02S 10/40 (2014.01) B62B 3/00 (2006.01) B62B 5/06 (2006.01)**
[25] EN
[54] **SELF-PROPELLED POWER STATION**
[54] **CENTRALE ELECTRIQUE AUTOMOTRICE**
[72] FRIESEN, TIMOTHY J., CA
[71] FRIESEN, TIMOTHY J., CA
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[51] **Int.Cl. G08B 17/10 (2006.01)**
[25] FR
[54] **KITCHEN FIRE ALARM**
[54] **ALARME INCENDIE CUISINIERE**
[72] GILBERT, JACQUES J. G., CA
[71] GILBERT, JACQUES J. G., CA
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[51] **Int.Cl. B60C 23/00 (2006.01) B60C 23/04 (2006.01)**
[25] EN
[54] **TIRE PRESSURE CONTROL VALVE ASSEMBLY**
[54] **ENSEMBLE DE SOUPAPES REGULATRICES DE PRESSION DE PNEU**
[72] HINZ, LESLEY J., CA
[72] SPREEN, BRIAN D., CA
[71] TIRE PRESSURE CONTROL INTERNATIONAL LTD., CA
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[41] 2020-04-17

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[13] A1
[51] **Int.Cl. G07F 17/24 (2006.01)**
[25] EN
[54] **EYE PARKING-METER, IS A COMPUTER ENHANCED PARKING METER FOR USE IN PARKING SPOTS**
[54] **PARCOMETRE VISUEL - PARCOMETRE ASSISTE PAR ORDINATEUR DESTINE A ETRE UTILISE DANS LES PLACES DE STATIONNEMENT**
[72] FORRESTER, JERRY, CA
[71] FORRESTER, JERRY, CA
[22] 2018-10-17
[41] 2020-04-17

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[51] **Int.Cl. H04W 88/10 (2009.01) H04B 1/40 (2015.01)**
[25] EN
[54] **MODULAR CIRCUIT BOARD FOR TELECOMMUNICATIONS SYSTEM**
[54] **CARTE DE CIRCUITS IMPRIMES MODULAIRE POUR SYSTEME DE TELECOMMUNICATIONS**
[72] PALLONE, FRANK CARLO, US
[72] KIRKLAND, JACOB ALEXANDER, US
[71] HOOK'D WIFI INC., US
[22] 2018-10-17
[41] 2020-04-16
[30] US (16/161,304) 2018-10-16
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[51] **Int.Cl. H04W 16/28 (2009.01) H04B 7/0408 (2017.01) H01Q 1/38 (2006.01) H04B 7/12 (2006.01)**
[25] EN
[54] **WIRELESS ACCESS POINT USING STACKED ANTENNAS**
[54] **POINT D`ACCES SANS FIL UTILISANT DES ANTENNES SUPERPOSEES**
[72] PALLONE, FRANK CARLO, US
[72] KIRKLAND, JACOB ALEXANDER, US
[71] HOOK'D WIFI INC., US
[22] 2018-10-17
[41] 2020-04-16
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[13] A1
[51] **Int.Cl. A01K 1/04 (2006.01) B68B 5/00 (2006.01) F16G 11/00 (2006.01)**
[25] EN
[54] **ROPE TENSION AND RELEASE SYSTEM**
[54] **SYSTEME DE TENSION ET DE LIBERATION DE CABLE**
[72] PRIDHAM, KENNETH, CA
[71] PRIDHAM, KENNETH, CA
[22] 2018-10-18
[41] 2020-04-18

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[13] A1
[51] **Int.Cl. E05B 41/00 (2006.01)**
[25] EN
[54] **A VISUAL STATUS INDICATOR FOR A LOCK OR LATCH FASTENER**
[54] **INDICATEUR D`ETAT VISUEL POUR SYSTEME DE VERROUILLAGE ET DE FERMETURE**
[72] ZAMBONI, FRANK, CA
[71] ZAMBONI, FRANK, CA
[22] 2018-10-18
[41] 2020-04-18

[21] **3,021,288**
[13] A1
[51] **Int.Cl. A47L 9/00 (2006.01) A47L 9/24 (2006.01)**
[25] EN
[54] **ASSEMBLY TO ELIMINATE ELECTROSTATICS IN VACUUMING SYSTEMS**
[54] **ENSEMBLE POUR ELIMINER LES CHARGES ELECTROSTATIQUES DANS DES SYSTEMES D`ASPIRATEUR**
[72] WEAVER, KEVIN, CA
[71] WEAVER, KEVIN, CA
[22] 2018-10-18
[41] 2020-04-18

[21] **3,021,314**
[13] A1
[51] **Int.Cl. B09B 1/00 (2006.01) B03B 9/02 (2006.01)**
[25] EN
[54] **ATHABASCA OIL SANDS TAILINGS PONDS WATER DISPOSAL INTO DEPLETED GAS OR SALINE AQUIFERS**
[54] **ELIMINATION DE L`EAU DES BASSINS DE RESIDUS DES SABLES BITUMINEUX DE L`ATHABASCA DANS DES GISEMENTS DE PETROLE EPUISES OU D`AQUIFERES SALINS**
[72] BAUMANN, KEVIN, CA
[71] AQUA SOLUTIONS INC., CA
[22] 2018-10-18
[41] 2020-04-18

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[13] A1
[51] **Int.Cl. A61K 31/145 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **DOSAGE REGIME**
[54] **SCHEMA POSOLOGIQUE**
[72] O'NEIL, DEBORAH, GB
[71] NOVABIOTICS LIMITED, GB
[22] 2018-10-17
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[13] A1
[51] **Int.Cl. A61K 47/36 (2006.01) A61K 9/00 (2006.01) A61K 47/02 (2006.01) A61K 47/06 (2006.01)**
[25] EN
[54] **REACTIVE AND SORBENT MATERIALS**
[54] **MATERIAUX REACTIFS ET ABSORBANTS**
[72] DINOVO, DOMINIC P., US
[72] DINOVO, ANDREW, US
[72] SMIECHOWSKI, MATTHEW F., US
[72] VERHOFF, FRANCIS H., US
[71] DINOVO, DOMINIC P., US
[71] DINOVO, ANDREW, US
[71] SMIECHOWSKI, MATTHEW F., US
[71] VERHOFF, FRANCIS H., US
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[21] **3,021,375**
[13] A1
[51] **Int.Cl. A47G 23/02 (2006.01) A47J 45/00 (2006.01)**
[25] EN
[54] **CUP GUPPY AND BOTTLE BUDDY SYSTEM AND METHOD**
[54] **COUVRE-TASSE ET SYSTEME ET PROCEDE DE JUMELAGE POUR BOUTEILLE**
[72] MARION, CLAUDIA T., CA
[71] MARION, CLAUDIA T., CA
[22] 2018-10-18
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[13] A1
[51] **Int.Cl. A01K 1/04 (2006.01) B68G 5/00 (2006.01) F16G 11/00 (2006.01)**
[25] EN
[54] **ROPE TENSION AND RELEASE SYSTEM**
[54] **SYSTEME DE TENSION ET DE LIBERATION DE CABLE**
[72] PRIDHAM, KENNETH, CA
[71] PRIDHAM, KENNETH, CA
[22] 2018-10-18
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[21] **3,021,417**
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[51] **Int.Cl. C07D 207/448 (2006.01) A61K 31/402 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **AMINOBENZOIC ACID DERIVATIVES FOR USE AS ANTI-INFLAMMATORY AGENTS, ANTI-METASTATIC AGENTS AND/OR ANTICANCER AGENTS**
[54] **DERIVES D`ACIDE AMINOBENZOIQUE AUX FINS D`ANTI-INFLAMMATOIRES, D`AGENTS ANTIMETASTATIQUES ET/OU D`AGENTS ANTICANCEREUX**
[72] BERUBE, GERVAIS, CA
[72] REYES-MORENO, CARLOS, CA
[71] 3R VALO, S.E.C., CA
[22] 2018-10-18
[41] 2020-04-18

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[13] A1
[51] **Int.Cl. G09B 9/00 (2006.01) G06F 16/29 (2019.01) G06F 3/14 (2006.01)**
[25] EN
[54] **LOADING RENDERING DATA FOR AN INTERACTIVE COMPUTER SIMULATION**
[54] **CHARGEMENT DE DONNEES DE RENDU POUR UNE SIMULATION INFORMATIQUE INTERACTIVE**
[72] SROUJI, BASSEM, CA
[72] JUTEAU, STEPHANE, CA
[71] CAE INC., CA
[22] 2018-10-18
[41] 2020-04-18

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[51] **Int.Cl. B31B 50/26 (2017.01) B31B 50/60 (2017.01)**
[25] EN
[54] **IMPROVED MANUFACTURING METHODS AND APPARATUS FOR CONTAINERS AND PACKAGING**
[54] **PROCEDES DE FABRICATION AMELIORES ET APPAREILS POUR RECIPIENTS ET EMBALLAGES**
[72] CONSTANZO, DONN J., JR., US
[71] THATBOX DESIGN, LLC, US
[22] 2018-10-18
[41] 2020-04-17
[30] US (62/747,127) 2018-10-17

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[51] **Int.Cl. B64C 1/14 (2006.01) E06B 7/16 (2006.01)**
[25] EN
[54] **AIRCRAFT WINDOWED STRUCTURE**
[54] **STRUCTURE A FENETRES D`AERONEF**
[72] PELLETIER, PIER-ALEXANDRE, CA
[72] NOISEUX-BOUCHER, GUILLAUME, CA
[72] DUVAL, SEBASTIEN, CA
[71] BELL HELICOPTER TEXTRON INC., US
[22] 2018-10-18
[41] 2020-04-16
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[51] **Int.Cl. A63B 5/00 (2006.01) A63B 5/16 (2006.01) A63K 3/04 (2006.01)**
[25] EN
[54] **BREAKAWAY ATHLETIC TRACK HURDLE AND TRAINING DEVICE**
[54] **HAIES DE PISTE D`ATHLETISME DETACHABLES ET DISPOSITIF D`ENTRAINEMENT**
[72] COVALSCHI, EDWARD, US
[72] SMALL, JOHNATHAN, US
[72] BOLLINGER, STEVE, US
[72] WESOLOSKI, MADELYN, US
[71] COVALSCHI, EDWARD, US
[71] SMALL, JOHNATHAN, US
[71] BOLLINGER, STEVE, US
[71] WESOLOSKI, MADELYN, US
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[51] **Int.Cl. A01G 9/12 (2006.01) A01G 9/02 (2018.01) A01G 9/20 (2006.01) A01G 9/24 (2006.01)**
[25] EN
[54] **WHEEL-SHAPED FRAMES FOR SUPPORTING INTERCHANGEABLE AGRICULTURE AND AQUACULTURE MULTIPONIC PODS SYSTEM AND METHOD**
[54] **CADRES EN FORME DE ROUE POUVANT PRENDRE EN CHARGE UN SYSTEME ET UNE METHODE POUR NACELLES MULTIPONIQUES INTERCHANGEABLES UTILISEES EN AGRICULTURE ET EN AQUACULTURE**
[72] NODDLE, DARREN R., CA
[71] NODDLE, DARREN R., CA
[22] 2018-10-18
[41] 2020-04-18

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[13] A1
[51] **Int.Cl. H04W 92/10 (2009.01) H04W 16/28 (2009.01) H04B 7/204 (2006.01) G01R 22/00 (2006.01)**
[25] EN
[54] **WIRELESS BROADBAND METER COLLAR**
[54] **BAGUE DE MESURE POUR LARGE BANDE SANS FIL**
[72] GUSTAFSON, MARK WAYNE, US
[72] KIRKEBY, CURTIS ALLEN, US
[72] SCHULTE, STEPHEN EDWARD, US
[71] AVISTA CORPORATION, US
[22] 2019-03-28
[41] 2020-04-15
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[51] **Int.Cl. A01D 41/12 (2006.01) A01D 34/40 (2006.01) A01D 41/06 (2006.01) A01D 41/14 (2006.01)**
[25] EN
[54] **COMBINE HEAD SKID PLATE WITH OPTIMIZED SHAPE**
[54] **PLAQUE DE PROTECTION DE TETE D`ABATTAGE-EBRANCHAGE DE FORME OPTIMISEE**
[72] MODAK, SHREYAS, IN
[72] SCHULER, MARK, US
[72] HEEREN, ADAM L., US
[72] NANDIGAM, SAI K., US
[71] DEERE & COMPANY, US
[22] 2019-05-06
[41] 2020-04-15
[30] US (16/160,982) 2018-10-15

[21] **3,043,198**
[13] A1
[51] **Int.Cl. G06F 9/46 (2006.01)**
[25] EN
[54] **SELECTING THREADS FOR CONCURRENT PROCESSING OF DATA**
[54] **SELECTION DE FILS POUR LE TRAITEMENT CONCURRENT DE DONNEES**
[72] VENKATARAMAN, SUBRAMANIAN CHITTOOR, IN
[72] ALAMURI, SAI KRISHNA SUJITH, IN
[72] REDROWTHU, MURALI KRISHNA, IN
[72] KUMAR, BALENDER, US
[72] SIVARAMAN, SRIVIDYA BHAVANI, US
[71] ORACLE INTERNATIONAL CORPORATION, US
[22] 2019-05-14
[41] 2020-04-18
[30] US (16/164,166) 2018-10-18

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[13] A1
[51] **Int.Cl. B65D 5/43 (2006.01) B65D 5/38 (2006.01) B65D 6/06 (2006.01) B65D 50/04 (2006.01)**
[25] EN
[54] **CARTON WITH FASTENING STRUCTURE**
[54] **CARTON MUNI D`UNE STRUCTURE DE FIXATION**
[72] PAI, HSUAN-HAO, CN
[71] DONGGUAN TAPUMEI PRINTING CO., LTD., CN
[22] 2019-05-13
[41] 2020-04-15
[30] CN (201821667304.3) 2018-10-15

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[51] **Int.Cl. E04D 13/04 (2006.01) E04D 1/36 (2006.01)**
[25] EN
[54] **KICK OUT FLASHING**
[54] **SOLIN DE DERIVATION**
[72] THOMPSON, LEON W., US
[72] THOMPSON, NATHAN L., US
[72] THOMPSON, JACOB M., US
[71] AMERICAN FLASHINGS AND ACCESSORIES, LLC, US
[22] 2019-05-16
[41] 2020-04-17
[30] US (16/162,938) 2018-10-17

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[13] A1
[51] **Int.Cl. A47J 31/20 (2006.01) A47J 31/44 (2006.01)**
[25] EN
[54] **COFFEE MAKER AND FROTHER**
[54] **CAFETIERE ET MOUSSEUR**
[72] BARDOT, LAURENT, US
[72] MURAD, URI, US
[72] PEZOLD, MAIK, CN
[71] TEAM INTERNATIONAL GROUP OF AMERICA INC., US
[22] 2019-05-21
[41] 2020-04-16
[30] US (62/746,367) 2018-10-16
[30] US (16/405,410) 2019-05-07

[21] **3,046,897**
[13] A1
[51] **Int.Cl. B61D 49/00 (2006.01)**
[25] EN
[54] **END OF TRAIN DEVICE WITH INTEGRATED ANTENNA**
[54] **DISPOSITIF DE QUEUE DE TRAIN A ANTENNE INTEGREE**
[72] SWAR, PADAM DHOJ, US
[72] HENNIGES, BENJAMIN L., US
[72] COLSON, MICHAEL B., US
[72] HAAS, CARL L., US
[72] GLOYD, DAVID ANDREW, US
[71] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
[22] 2019-06-18
[41] 2020-04-18
[30] US (16/164,338) 2018-10-18

[21] **3,047,568**
[13] A1
[51] **Int.Cl. H04L 9/32 (2006.01) H04W 12/06 (2009.01) G06F 21/31 (2013.01) G06F 21/60 (2013.01) H04W 4/30 (2018.01) H04L 12/16 (2006.01)**
[25] EN
[54] **AGGREGATION PLATFORM PORTAL**
[54] **PORTAIL DE PLATEFORME D`AGREGATION**
[72] CALDWELL, JOHN RYAN, US
[71] MX TECHNOLOGIES, INC., US
[22] 2019-06-21
[41] 2020-04-12
[30] US (16/159,405) 2018-10-12

[21] **3,047,627**
[13] A1
[51] **Int.Cl. H04W 12/06 (2009.01) G06F 21/31 (2013.01) H04W 4/021 (2018.01) H04W 4/029 (2018.01)**
[25] EN
[54] **MOBILE DEVICE BASED IDENTITY VERIFICATION**
[54] **VERIFICATION DE L`IDENTITE BASEE SUR UN DISPOSITIF MOBILE**
[72] DEWITT, BRANDON, US
[72] CALDWELL, JOHN RYAN, US
[72] MCBRIDE, RYAN, US
[72] CALDWELL, WILLIAM NATHAN, US
[71] MX TECHNOLOGIES, INC., US
[22] 2019-06-21
[41] 2020-04-15
[30] US (16/161,019) 2018-10-15

[21] **3,050,391**
[13] A1
[51] **Int.Cl. G05D 1/10 (2006.01) B64D 45/00 (2006.01)**
[25] EN
[54] **ELECTRONIC DEVICE AND METHOD FOR OPTIMIZING VERTICAL PROFILE FOR CRUISE PHASE OF FLIGHT**
[54] **DISPOSITIF ELECTRONIQUE ET METHODE D`OPTIMISATION DU PROFIL VERTICAL POUR LA PHASE DE VOL EN CROISIERE**
[72] FIGLAR, BASTIAN, US
[72] GARRIDO-LOPEZ, DAVID, US
[72] DE PRINS, JOHAN L., US
[71] THE BOEING COMPANY, US
[22] 2019-07-22
[41] 2020-04-15
[30] US (16/159749) 2018-10-15

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[13] A1
[51] **Int.Cl. G01C 21/00 (2006.01)**
[25] EN
[54] **ADAPTIVE SENSE AND AVOID SYSTEM**
[54] **SYSTEME ADAPTATIF DE DETECTION ET D`EVITEMENT**
[72] DAWSON-TOWNSEND, TIMOTHY, US
[71] AURORA FLIGHT SCIENCES CORPORATION, US
[22] 2019-07-22
[41] 2020-04-12
[30] US (16/159397) 2018-10-12

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[13] A1
[51] **Int.Cl. B65B 1/04 (2006.01) A01F 25/14 (2006.01) B65B 37/00 (2006.01)**
[25] EN
[54] **AN EXPANDABLE GRAIN BAGGING APPARATUS AND METHOD THEREOF**
[54] **APPAREIL D`ENSACHAGE DU GRAIN EXTENSIBLE ET PROCEDE D`UTILISATION**
[72] WIERENGA, JOHN MARVIN, CA
[72] WIERENGA, LAMBERT, CA
[72] VANDER LEEST, BRYAN RICHARD, CA
[71] NEERALTA MANUFACTURING INC., CA
[22] 2019-07-29
[41] 2020-04-16
[30] US (62/746,130) 2018-10-16

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[13] A1
[51] **Int.Cl. G16Z 99/00 (2019.01) G06Q 50/04 (2012.01) B64F 5/60 (2017.01)**
[25] EN
[54] **AUGMENTED REALITY SYSTEM FOR VISUALIZING NONCONFORMANCE DATA FOR AN OBJECT**
[54] **SYSTEME DE REALITE AUGMENTEE POUR VISUALISER DES DONNEES DE NON-CONFORMITE POUR UN OBJET**
[72] SCOTT, JEREMIAH KENT, US
[72] BAKER, ROBERT STEPHEN KANEMATSU, US
[72] BERETTA, BRYAN JAMES, US
[72] BERNARDONI, MICHAEL LOUIS, US
[71] THE BOEING COMPANY, US
[22] 2019-07-26
[41] 2020-04-12
[30] US (16/158579) 2018-10-12

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[13] A1
[51] **Int.Cl. H03K 17/51 (2006.01) E05F 15/60 (2015.01) B66B 1/14 (2006.01) H03K 17/96 (2006.01)**
[25] EN
[54] **ELECTRICAL SWITCH ASSEMBLY COMPRISING A PIEZOELECTRIC SENSOR DISPOSED BETWEEN PARALLEL MOUNTING PLATES**
[54] **SYSTEME DE COMMUTATEUR ELECTRIQUE COMPRENANT UN CAPTEUR PIEZOELECTRIQUE DISPOSE ENTRE DES PLAQUES DE MONTAGE PARALLELES**
[72] KRAJEWSKI, JAMES R., US
[72] SMITH, JOSH L., US
[72] KLEPPIN, LYNN M., US
[72] HAWTHORNE, BRIAN D., US
[72] BRADLEY, FRANKLIN, US
[72] REMBLAKE, RANDALL, US
[71] WIKK INDUSTRIES INC., US
[22] 2019-08-07
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[54] **ROTOR ASSEMBLY WITH ROTOR DISC LIP**
[54] **ENSEMBLE ROTOR AVEC LEVRE DE DISQUE ROTOR**
[72] SANZARI, LORENZO, CA
[72] VIGNOLA, SYLVAIN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-08-12
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[25] EN
[54] **DAMPING DEVICE FOR A BEARING HOUSING**
[54] **DISPOSITIF AMORTISSEUR POUR LOGEMENT DE PALIER**
[72] TOMES, NATHAN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-08-12
[41] 2020-04-12
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[54] **TRAJECTORY PLANNER FOR A VEHICLE**
[54] **PLANIFICATEUR DE TRAJECTOIRE POUR VEHICULE**
[72] SAUNDERS, JEFFERY, US
[71] AURORA FLIGHT SCIENCES CORPORATION, US
[22] 2019-08-13
[41] 2020-04-12
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[25] EN
[54] **DUAL MODE STARTER GENERATOR**
[54] **GENERATEUR-DEMARREUR DOUBLE MODE**
[72] KUSNIEREK, JOHN, US
[72] STARR, MATTHEW J., US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES INC., US
[22] 2019-08-27
[41] 2020-04-18
[30] US (16/201,824) 2018-11-27
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[30] US (16/201,835) 2018-11-27
[30] US (16/201,837) 2018-11-27
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[51] **Int.Cl. A01C 7/20 (2006.01) A01C 5/06 (2006.01) A01C 7/08 (2006.01) A01C 15/00 (2006.01)**
[25] EN
[54] **USER ACCESS MANAGEMENT FOR DISPENSING PARTICULATE MATERIAL**
[54] **GESTION DE L`ACCES UTILISATEUR POUR DISTRIBUTION D`UN MATERIAU PARTICULAIRE**
[72] TURNER, JACK, CA
[72] ENGEL, GORD, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2019-09-09
[41] 2020-04-16
[30] US (16/161,268) 2018-10-16

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[51] **Int.Cl. A01C 7/20 (2006.01) A01C 5/06 (2006.01) A01C 7/08 (2006.01) G01M 13/00 (2019.01) G01R 31/34 (2020.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MONITORING AN AGRICULTURAL METERING SYSTEM**
[54] **SYSTEMES ET METHODES DE SURVEILLANCE DE SYSTEME DE DOSAGE AGRICOLE**
[72] KOWALCHUK, TREVOR LAWRENCE, CA
[72] THOMPSON, DENNIS GEORGE, CA
[72] RAPLEY, ANTHONY CHARLES, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2019-09-09
[41] 2020-04-16
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[25] EN
[54] **SEED CONDUIT SYSTEM**
[54] **SYSTEME DE CONDUIT DE SEMENCES**
[72] ANDERSON, BRIAN, US
[72] JOHNSON, CHAD, US
[72] DIENST, JOHNATHON, US
[72] RADUCHA, KREGG, US
[72] MCLUCKIE, AUSTIN, US
[71] CNH INDUSTRIAL AMERICA LLC, US
[22] 2019-09-09
[41] 2020-04-15
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[25] EN
[54] **MEMBRANE AND DEVICE FOR TREATING RESTLESS LEG SYNDROME**
[54] **MEMBRANE ET DISPOSITIF DE TRAITEMENT DU SYNDROME DES JAMBES SANS REPOS**
[72] NILSSON, LARS-GORAN, SE
[72] BERNARDO, ANGELITO, US
[72] SANABRIA ARENAS, RAFAEL MAURICIO, CO
[72] BUNCH BARRERA, ALFONSO, CO
[72] RIVERA FLOREZ, ANGELA SOFIA, US
[71] GAMBRO LUNDIA AB, SE
[22] 2019-09-09
[41] 2020-04-17
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[25] EN
[54] **APPARATUS AND METHOD FOR TRANSFERRING CONTAINERS**
[54] **APPAREIL ET METHODE DE TRANSFERT DE CONTENEURS**
[72] CONDON, GUY A., US
[72] CLOWARD, CARL JAY, US
[71] PRETIUM PACKAGING, L.L.C., US
[22] 2019-09-11
[41] 2020-04-12
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[25] EN
[54] **HELICAL STRAKE ATTACHMENT FOR TUBULAR STRUCTURAL MEMBERS**
[54] **FIXATION DE VIRURE HELICOIDALE POUR ELEMENTS DE STRUCTURE TUBULAIRES**
[72] CHRISTMAN, BERNIE, US
[72] BOE, BRANDON G., US
[72] STERNY, DANIEL J., US
[72] SLOCUM, RICHARD M., US
[72] FAIRBAIRN, MARK H., US
[72] VAN WYHE, JASON, US
[72] FONVILLE, HAROLD W., II, US
[72] VAN BRUNT, TROY, US
[72] JACKSON, AUBREY L., US
[72] HUNTER, RICHARD J., US
[72] RAMSAY, DAVID M., US
[71] MEYER UTILITY STRUCTURES LLC, US
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[25] EN
[54] **HVAC SYSTEM AND METHOD OF CIRCULATING FLAMMABLE REFRIGERANT**
[54] **SYSTEME CVC ET PROCEDE DE CIRCULATION DE FLUIDE FRIGORIGENE INFLAMMABLE**
[72] GOEL, RAKESH, US
[72] GOKHALE, UMESH, US
[71] LENNOX INDUSTRIES INC., US
[22] 2019-09-12
[41] 2020-04-17
[30] US (16/162,934) 2018-10-17

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[25] EN
[54] **REFRIGERANT PUMP DOWN FOR AN HVAC SYSTEM**
[54] **EVACUATION DU FRIGORIGENE POUR SYSTEME CVC**
[72] KOWALD, GLENN WILLIAM, US
[72] BERG, ERIC, US
[72] GOEL, RAKESH, US
[71] LENNOX INDUSTRIES INC., US
[22] 2019-09-12
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[51] **Int.Cl. F16H 25/20 (2006.01) B64C 13/50 (2006.01) B64C 25/24 (2006.01) F16B 7/12 (2006.01)**
[25] FR
[54] **LINEAR ACTUATOR WITH ELECTRIC CONTROL**
[54] **ACTIONNEUR LINEAIRE A COMMANDE ELECTRIQUE**
[72] DENAVAUX, MARC, FR
[71] AIRBUS HELICOPTERS, FR
[22] 2019-09-11
[41] 2020-04-17
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[25] EN
[54] **MAPPING OF ACTIVATION WAVEFRONTS**
[54] **MISE EN CORRESPONDANCE DE FRONTS D`ONDE D`ACTIVATION**
[72] COHEN, ASSAF, IL
[72] BAR-TAL, MEIR, IL
[72] NAKAR, ELAD, IL
[72] ILAN, IDO, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-09-16
[41] 2020-04-15
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[13] A1
[51] **Int.Cl. A61H 31/00 (2006.01) A61M 16/00 (2006.01)**
[25] FR
[54] **MONITORING OR VENTILATION DEVICE FOR CARDIO PULMONARY RESUSCITATION WITH DETERMINATION OF AN INDICATION OF OPENING OF THE AIRWAYS**
[54] **APPAREIL DE MONITORAGE OU DE VENTILATION POUR REANIMATION CARDIO-PULMONAIRE AVEC DETERMINATION D'UN INDICE D'OUVERTURE DES VOIES RESPIRATOIRES**
[72] RICHARD, JEAN-CHRISTOPHE, FR
[72] RIGOLLOT, MARCEAU, FR
[72] BADAT, BILAL, FR
[71] AIR LIQUIDE MEDICAL SYSTEMS, FR
[22] 2019-09-16
[41] 2020-04-15
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[51] **Int.Cl. H01R 13/6581 (2011.01) H01R 12/51 (2011.01) H01R 13/6598 (2011.01)**
[25] EN
[54] **ANGLED PLUG CONNECTOR WITH SHIELDING**
[54] **FICHE COUDEE AVEC BLINDAGE**
[72] BRENNAUER, GEORG, DE
[72] WASSEL, NICO, DE
[72] SCHAFMEISTER, ARNDT, DE
[71] PHOENIX CONTACT GMBH & CO. KG, DE
[71] EPT HOLDING GMBH & CO. KG, DE
[22] 2019-09-18
[41] 2020-04-12
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[51] **Int.Cl. E05B 17/22 (2006.01) E05B 17/10 (2006.01) E05B 47/00 (2006.01)**
[25] EN
[54] **DEADBOLT PERFORMANCE DETECTING SYSTEM**
[54] **SYSTEME DE DETECTION DE PERFORMANCE DE PENE DORMANT**
[72] LOVEJOY, GARRETT, US
[72] CATERINO, MARK, US
[72] KRAUS, KEVIN C., US
[71] ASSA ABLOY RESIDENTIAL GROUP, INC., US
[22] 2019-09-19
[41] 2020-04-17
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[30] US (16/520056) 2019-07-23

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[51] **Int.Cl. B60L 15/00 (2006.01) B60L 9/16 (2006.01) B60L 15/20 (2006.01) E21F 13/00 (2006.01)**
[25] EN
[54] **MINING VEHICLE, AND METHOD FOR STARTING AN AC ELECTRIC MOTOR OF A MINING VEHICLE**
[54] **VEHICULE DE MINE ET PROCEDE DE DEMARRAGE D`UN MOTEUR ELECTRIQUE A COURANT ALTERNATIF D`UN VEHICULE DE MINE**
[72] TIIHONEN, TOMMI, FI
[72] VATANEN, HARRI, FI
[72] RISTIMAKI, VILLE, FI
[71] SANDVIK MINING AND CONSTRUCTION OY, FI
[22] 2019-09-19
[41] 2020-04-15
[30] EP (18200486.1) 2018-10-15

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[51] **Int.Cl. A61B 17/068 (2006.01) A61B 17/072 (2006.01)**
[25] EN
[54] **APPARATUS FOR ENDOSCOPIC PROCEDURES**
[54] **APPAREIL POUR DES PROCEDURES ENDOSCOPIQUES**
[72] BEARDSLEY, JOHN W., US
[72] JERMINE, DAVID M., US
[72] FARASCIONI, DAVID M., US
[71] COVIDIEN LP, US
[22] 2019-09-20
[41] 2020-04-12
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[51] **Int.Cl. A61M 16/00 (2006.01) A61F 5/56 (2006.01)**
[25] FR
[54] **MEDICAL VENTILATION DEVICE WITH SELECTORS OF PATIENT CATEGORIES AND COMPATIBLE MODES OF VENTILATION**
[54] **APPAREIL MEDICAL DE VENTILATION AVEC SELECTEURS DE CATEGORIE DE PATIENT ET DE MODES DE VENTILATION COMPATIBLES**
[72] RUSSO, LESLIE, FR
[72] DERACHE, MAXIME, FR
[71] AIR LIQUIDE MEDICAL SYSTEMS, FR
[22] 2019-09-23
[41] 2020-04-12
[30] FR (18 59 472) 2018-10-12

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[51] **Int.Cl. F25B 43/00 (2006.01)**
[25] EN
[54] **COMPRESSOR PROTECTION AGAINST LIQUID SLUG**
[54] **PROTECTION DE COMPRESSEUR CONTRE LES POCHES DE LIQUIDE**
[72] KHAIRE, SAWPNIL, US
[71] RHEEM MANUFACTURING COMPANY, US
[22] 2019-09-23
[41] 2020-04-12
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[51] **Int.Cl. F16J 15/3296 (2016.01) B81B 7/02 (2006.01) F04D 29/10 (2006.01) G01K 1/14 (2006.01) G01K 13/08 (2006.01) G01L 19/14 (2006.01)**
[25] EN
[54] **MECHANICAL SEAL DEVICE WITH MICROSYSTEM, PUMP DEVICE USING THE SAME AND METHOD OF OPERATING THE SAME**
[54] **DISPOSITIF DE GARNITURE MECANIQUE D`ETANCHEITE AVEC MICROSYSTEME, DISPOSITIF DE POMPE L`UTILISANT ET SON MODE DE FONCTIONNEMENT**
[72] KORUPP, SASCHA, DE
[72] SCHNEIDER, FLORIAN, DE
[72] RUNTE, LARS, DE
[72] REEH, NILS, DE
[71] HERBORNER PUMPENTECHNIK GMBH & CO KG, DE
[22] 2019-09-24
[41] 2020-04-18
[30] DE (10 2018 125 969.7) 2018-10-18
[30] DE (18 212 870.2) 2018-12-17

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[51] **Int.Cl. A61B 17/34 (2006.01)**
[25] EN
[54] **SURGICAL ACCESS DEVICE AND SEAL GUARD FOR USE THEREWITH**
[54] **DISPOSITIF D`ACCES CHIRURGICAL ET JOINT D`ETANCHEITE POUR UTILISATION AVEC CELUI-CI**
[72] EVANS, CHRISTOPHER KELLY, US
[72] BREINDEL, JAY, US
[71] COVIDIEN LP, US
[22] 2019-09-24
[41] 2020-04-12
[30] US (62/744,848) 2018-10-12
[30] US (16/565,902) 2019-09-10

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[51] **Int.Cl. B60R 9/00 (2006.01) B60R 9/06 (2006.01)**
[25] EN
[54] **CARGO BOX STORAGE CADDY WITH REMOVABLE CONTAINERS**
[54] **CHARIOT DE STOCKAGE POUR CAISSON DE CHARGEMENT AVEC CONTENEURS AMOVIBLES**
[72] DELONG, RYAN, US
[72] FACCHINELLO, JEROME, US
[72] CARTER, CHAD, US
[72] DELANEY, DANIEL J., US
[72] FAIR, DERRICK, US
[71] RUGGED LINER, INC., US
[22] 2019-09-24
[41] 2020-04-16
[30] US (16/161,457) 2018-10-16

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[13] A1
[51] **Int.Cl. H04B 10/80 (2013.01) H04B 10/25 (2013.01) H04J 3/00 (2006.01) H04L 7/027 (2006.01) H04L 29/08 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR ACQUIRING DATA VIA CHANNELIZED OPTICAL PORT STM-4 HDLC**
[54] **PROCEDE ET DISPOSITIF D`ACQUISITION DE DONNEES PAR L`INTERMEDIAIRE D`UN MODULE DE TRANSPORT SYNCHRONE A COMMANDE DE LIAISON DE DONNEES A HAUT NIVEAU (HDLC) D`UN PORT OPTIQUE DECENTRALISE MULTICANAUX**
[72] NIU, LINGLING, CN
[71] BEIJING ZHONGCHUANG TELECOM TEST CO., LTD, CN
[22] 2019-09-30
[41] 2020-04-18
[30] CN (201811214792.7) 2018-10-18

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[13] A1
[51] **Int.Cl. C10G 49/26 (2006.01)**
[25] EN
[54] **UPGRADED EBULLATED BED REACTOR WITH NO RECYCLE BUILDUP OF ASPHALTENES IN VACUUM BOTTOMS**
[54] **REACTEUR A LIT BOUILLONNANT AMELIORE SANS ACCUMULATION LIEE AU RECYCLAGE D`ASPHALTENES DANS DES RESIDUS DE TOUR SOUS VIDE**
[72] REUTER, MICHAEL A., US
[72] MOUNTAINLAND, DAVID M., US
[72] SILVERMAN, BRETT M., US
[72] HARRIS, EVERETTE, US
[71] HYDROCARBON TECHNOLOGY AND INNOVATION, LLC, US
[22] 2019-09-30
[41] 2020-04-17
[30] US (62/746,867) 2018-10-17

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[13] A1
[51] **Int.Cl. B64C 19/00 (2006.01) B64C 11/30 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SLOWING DOWN AIRCRAFT**
[54] **SYSTEME ET PROCEDE DE RALENTISSEMENT D`UN AERONEF**
[72] LAMARRE, SYLVAIN, CA
[72] LOPEZ, SIMON, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-10-01
[41] 2020-04-15
[30] US (16/160,439) 2018-10-15

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[51] **Int.Cl. E05B 83/02 (2014.01) E05B 83/08 (2014.01) B65D 90/54 (2006.01) E05B 65/00 (2006.01)**
[25] EN
[54] **BAR LOCK ASSEMBLY**
[54] **ENSEMBLE DE BARRES DE SECURITE**
[72] DOLNIK, JOHN E., US
[71] POWERBRACE CORPORATION, US
[22] 2019-10-03
[41] 2020-04-16
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[51] **Int.Cl. B23K 37/00 (2006.01) B23K 10/00 (2006.01) B23K 26/38 (2014.01)**
[25] EN
[54] **APPARATUS FOR LASER OR PLASMA CUTTING OF PIECES OF LAMINAR MATERIAL**
[54] **APPAREIL ET PROCEDE DE DECOUPE AU LASER OU AU PLASMA DE MORCEAUX D`UN MATERIAU LAMINAIRE**
[72] DALLAN, SERGIO, IT
[71] DALLAN S.P.A., IT
[22] 2019-10-03
[41] 2020-04-12
[30] IT (102018000009406) 2018-10-12

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[13] A1
[51] **Int.Cl. G01M 17/00 (2006.01)**
[25] EN
[54] **VEHICLE DIAGNOSTIC DEVICE WITH A VIRTUAL VEHICLE DIAGNOSTIC MODE AND METHOD OF OPERATING THE SAME**
[54] **APPAREIL DE DIAGNOSTIC DE VEHICULES DOTES D`UN MODE DE DIAGNOSTIC DE VEHICULES VIRTUEL ET SON MODE DE FONCTIONNEMENT**
[72] FRASHURE, TIMOTHY J., US
[72] FRY, MATTHEW, GB
[71] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
[22] 2019-10-04
[41] 2020-04-15
[30] US (16/160,293) 2018-10-15

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[13] A1
[51] **Int.Cl. F02C 7/06 (2006.01) F01D 25/16 (2006.01) F01D 25/18 (2006.01) F16C 33/10 (2006.01)**
[25] EN
[54] **BAFFLE FOR INSTALLATION INSIDE A BEARING CHAMBER OF A GAS TURBINE ENGINE**
[54] **CHICANE POUR INSTALLATION A L`INTERIEUR D`UNE CAGE DE PALIER D`UNE TURBINE A GAZ**
[72] SIDOROVICH PARADISO, IVAN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-10-07
[41] 2020-04-17
[30] US (16/162,785) 2018-10-17

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[51] **Int.Cl. C12N 15/82 (2006.01) A01H 6/20 (2018.01) C12Q 1/6895 (2018.01) A01H 1/00 (2006.01) A01H 1/04 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A01N 25/32 (2006.01) A01N 37/40 (2006.01) A01P 13/00 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **BRASSICA EVENT MON94100 AND METHODS OF USE THEREOF**
[54] **EVENEMENT MON94100 BRASSICA ET PROCEDES D`UTILISATION ASSOCIES**
[72] ELLIS, CHRISTINE M., US
[72] GUO, SHIRLEY X., US
[72] LECLERE, SHERRY, US
[72] PENG, MINGSHENG, US
[72] WEIHE, JANICE R., US
[71] MONSANTO TECHNOLOGY LLC, US
[22] 2019-10-08
[41] 2020-04-16
[30] US (62/746,158) 2018-10-16

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[13] A1
[51] **Int.Cl. G01N 33/02 (2006.01) G06Q 10/08 (2012.01) A23B 7/00 (2006.01) A23B 7/148 (2006.01)**
[25] EN
[54] **RESPIRATION RANKING IN CONTROLLED ATMOSPHERE ROOMS**
[54] **CLASSEMENT DE LA RESPIRATION DANS DES CHAMBRES A ATMOSPHERE CONTROLEE**
[72] SCHAEFER, JAMES C., US
[72] BOOZER, DANIEL E., US
[71] STORAGE CONTROL SYSTEMS, INC., US
[22] 2019-10-08
[41] 2020-04-16
[30] US (16/161155) 2018-10-16

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[13] A1
[51] **Int.Cl. G06F 21/40 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MULTI-DEVICE MULTI-FACTOR AUTHENTICATION**
[54] **SYSTEMES ET PROCEDES D`AUTHENTIFICATION A FACTEURS MULTIPLES MULTIPERIPHERIQUES**
[72] MOSSOBA, MICHAEL, US
[72] EDWARDS, JOSHUA, US
[72] SHAH, SALIK, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-10-09
[41] 2020-04-17
[30] US (16/162,565) 2018-10-17

[21] **3,058,054**
[13] A1
[51] **Int.Cl. E04G 25/06 (2006.01) E04G 25/00 (2006.01) F16B 7/04 (2006.01)**
[25] EN
[54] **CLAMP FOR CONNECTING LEDGER TO SHORING POST**
[54] **PINCE POUR RELIER UNE MOISE A UN MONTANT D`ETAYAGE**
[72] HENDRICKS, MICHAEL QUENTIN, US
[71] TITAN FORMWORK SYSTEMS, LLC, US
[22] 2019-10-09
[41] 2020-04-12
[30] US (16/159,039) 2018-10-12

[21] **3,058,055**
[13] A1
[51] **Int.Cl. B25J 18/06 (2006.01) B25J 18/02 (2006.01)**
[25] EN
[54] **SELECTIVELY FLEXIBLE EXTENSION TOOL**
[54] **TUBE-RALLONGE SELECTIVEMENT SOUPLE**
[72] GRAHAM, ANDREW CRISPIN, GB
[71] GENERAL ELECTRIC COMPANY, US
[22] 2019-10-09
[41] 2020-04-15
[30] US (62/745,727) 2018-10-15
[30] US (16/577,331) 2019-09-20

[21] **3,058,057**
[13] A1
[51] **Int.Cl. G02B 6/44 (2006.01) G01D 5/26 (2006.01)**
[25] EN
[54] **OPTICAL FIBER IN METAL TUBE WITH TERMINATION**
[54] **FIBRE OPTIQUE DANS UN TUBE METALLIQUE DE TERMINAISON**
[72] LOWELL, MARK E., US
[72] MILOUCHEV, TOMA, US
[71] PRYSMIAN S.P.A., IT
[22] 2019-10-09
[41] 2020-04-15
[30] US (16/160,821) 2018-10-15

[21] **3,058,064**
[13] A1
[51] **Int.Cl. E05B 27/00 (2006.01) E05B 19/00 (2006.01)**
[25] EN
[54] **LOCKING SYSTEM WITH TRANSLATING SHIELD TO DEFINE A DEVIATING PICKING PATH FOR A DEVIATED KEY**
[54] **DISPOSITIF DE VERROUILLAGE MUNI D`UN ECRAN DE CONVERSION POUR DEFINIR UN TRAJET DE CROCHETAGE DE DEVIATION POUR UNE CLE DEVIEE**
[72] BOWLEY, RYAN T., CA
[71] BOWLEY LOCK COMPANY INC., CA
[22] 2019-10-09
[41] 2020-04-17
[30] US (62746643) 2018-10-17

[21] **3,058,066**
[13] A1
[51] **Int.Cl. B25J 18/04 (2006.01) B25J 18/02 (2006.01)**
[25] EN
[54] **SELECTIVELY FLEXIBLE EXTENSION TOOL**
[54] **TUBE-RALLONGE SELECTIVEMENT SOUPLE**
[72] GRAHAM, ANDREW CRISPIN, GB
[71] GENERAL ELECTRIC COMPANY, US
[22] 2019-10-09
[41] 2020-04-15
[30] US (62/745,727) 2018-10-15
[30] US (16/577,268) 2019-09-20

[21] **3,058,103**
[13] A1
[51] **Int.Cl. E04H 15/28 (2006.01) E04H 15/48 (2006.01)**
[25] EN
[54] **FOLDABLE TENT COMPRISING TWO UMBRELLA STRUCTURES**
[54] **TENTE PLIABLE MUNIE DE DEUX STRUCTURES DE PARAPLUIE**
[72] LAFOUX, BENJAMIN, FR
[72] GENERO, ALEXANDRE, FR
[71] DECATHLON, FR
[22] 2019-10-08
[41] 2020-04-17
[30] FR (18 59 616) 2018-10-17

[21] **3,058,107**
[13] A1
[51] **Int.Cl. G01J 1/04 (2006.01) G01J 5/04 (2006.01)**
[25] FR
[54] **PROCESS FOR MANUFACTURING A DEVICE FOR DETECTING ELECTROMAGNETIC RADIATION WITH AN IMPROVED ENCAPSULATION STRUCTURE**
[54] **PROCEDE DE FABRICATION D'UN DISPOSITIF DE DETECTION D'UN RAYONNEMENT ELECTROMAGNETIQUE A STRUCTURE D'ENCAPSULATION AMELIOREE**
[72] YON, JEAN-JACQUES, FR
[72] DUMONT, GEOFFROY, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[22] 2019-10-08
[41] 2020-04-12
[30] FR (18 59 483) 2018-10-12

[21] **3,058,113**
[13] A1
[51] **Int.Cl. B65D 5/54 (2006.01) B65D 5/20 (2006.01) B65D 17/28 (2006.01)**
[25] EN
[54] **SHIPPING CARTON TRANSFORMABLE INTO A SHELF READY TRAY**
[54] **CARTON D`EXPEDITION TRANSFORMABLE EN UN PLATEAU PRET A L`ENTREPOSAGE**
[72] BURKS, JEFF T., US
[71] WESTROCK SHARED SERVICES, LLC, US
[22] 2019-10-09
[41] 2020-04-12
[30] US (16/158387) 2018-10-12

[21] **3,058,153**
[13] A1
[51] **Int.Cl. B64D 11/06 (2006.01) A47C 1/00 (2006.01) A47C 7/56 (2006.01)**
[25] EN
[54] **SUPPLEMENTAL RECLINE PANEL FOR AIRCRAFT CABIN ATTENDANT SEAT**
[54] **PANNEAU D`INCLINAISON COMPLEMENTAIRE POUR SIEGE D`AGENT DE BORD D`AERONEF**
[72] HOOVER, DOUGLAS E., US
[72] MAGLIA, DOMINIC J., US
[72] KOZHIPURAM, AKHIL RAJAGOPAL, IN
[72] ACHARYA, PRADEEP, IN
[71] AMI INDUSTRIES, INC., US
[22] 2019-10-08
[41] 2020-04-15
[30] IN (201811039086) 2018-10-15
[30] US (16/200,769) 2018-11-27

[21] **3,058,194**
[13] A1
[51] **Int.Cl. B62D 55/07 (2006.01) F01N 13/10 (2010.01) B62M 27/02 (2006.01)**
[25] EN
[54] **SNOWMOBILE HAVING PARALLEL-PATH EXHAUST SYSTEM FOR TWO-STROKE ENGINE**
[54] **MOTONEIGE MUNIE D`UN SYSTEME D`ECHAPPEMENT A VOIE PARALLELE POUR MOTEUR A DEUX TEMPS**
[72] CHRISTENSEN, CORD MILLER, US
[72] FUHRMAN, ALEXANDER KONRAD, US
[71] ARCTIC CAT INC., US
[22] 2019-10-10
[41] 2020-04-12
[30] US (16/158,554) 2018-10-12

[21] **3,058,215**
[13] A1
[51] **Int.Cl. B03B 5/00 (2006.01)**
[25] EN
[54] **HIGH SLURRY DENSITY HYDRAULIC DISASSOCIATION SYSTEM**
[54] **SYSTEME DE DISSOCIATION HYDRAULIQUE DE BOUES DE FORAGE A HAUTE DENSITE**
[72] COATES, ERIC, US
[71] DISA, LLC, US
[22] 2019-10-10
[41] 2020-04-12
[30] US (62/745,156) 2018-10-12

[21] **3,058,237**
[13] A1
[51] **Int.Cl. B60M 5/00 (2006.01) B60M 1/30 (2006.01) H01R 41/00 (2006.01)**
[25] EN
[54] **DEVICE, SYSTEM AND METHOD FOR ELECTRICAL ARC SUPPRESSION ON A POWER RAIL**
[54] **DISPOSITIF, SYSTEME ET PROCEDE DE SUPPRESSION D`ARC ELECTRIQUE SUR UN RAIL D`ALIMENTATION**
[72] REIS, MARCUS, CA
[71] TORONTO TRANSIT COMMISSION, CA
[22] 2019-10-10
[41] 2020-04-16
[30] US (62/746,380) 2018-10-16

[21] **3,058,298**
[13] A1
[51] **Int.Cl. G01P 5/24 (2006.01) B64D 43/00 (2006.01)**
[25] EN
[54] **ACOUSTIC SOURCES FOR AIR DATA SYSTEMS**
[54] **SOURCES SONORES POUR SYSTEMES DE MESURE DE CARACTERISTIQUES DE L`AIR**
[72] SHANNON, DANIEL W., US
[72] TEERLINCK, KAREN A., US
[72] MANTESE, JOSEPH V., US
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2019-10-09
[41] 2020-04-12
[30] US (16/158,894) 2018-10-12

[21] **3,058,299**
[13] A1
[51] **Int.Cl. H04L 12/16 (2006.01) G06F 16/27 (2019.01)**
[25] EN
[54] **IDENTIFYING COMPUTING DEVICES IN A MANAGED NETWORK THAT ARE INVOLVED IN BLOCKCHAIN-BASED MINING**
[54] **IDENTIFICATION DE DISPOSITIFS INFORMATIQUES DANS UN RESEAU GERE SERVANT A L`EXPLOITATION MINIERE A BASE DE CHAINE DE BLOCS**
[72] BADYAN, DANIEL, US
[72] TAL, HAIL, US
[72] BITTERFELD, ROBERT, US
[72] GARTY, ASAF, US
[72] SOLOMON, BARY, US
[71] SERVICENOW, INC., US
[22] 2019-10-10
[41] 2020-04-17
[30] US (16/163,240) 2018-10-17

[21] **3,058,319**
[13] A1
[51] **Int.Cl. A61F 13/08 (2006.01)**
[25] FR
[54] **TEXTILE ORTHOTIC DEVICE INCLUDING A PULL**
[54] **ORTHESE TEXTILE COMPORTANT UNE TIRETTE**
[72] SLASKI, JEAN-PIERRE, FR
[71] LABORATOIRES INNOTHERA, FR
[22] 2019-10-09
[41] 2020-04-12
[30] FR (18 59 460) 2018-10-12

[21] **3,058,322**
[13] A1
[51] **Int.Cl. A61F 13/08 (2006.01) A61F 5/37 (2006.01)**
[25] FR
[54] **TEXTILE ORTHOTIC DEVICE WITH ASSYMETRICAL EDGE**
[54] **ORTHESE TEXTILE A BORD ASYMETRIQUE**
[72] FOUCHER, ISABELLE, FR
[71] LABORATOIRES INNOTHERA, FR
[22] 2019-10-09
[41] 2020-04-12
[30] FR (18 59 462) 2018-10-12

[21] **3,058,334**
[13] A1
[51] **Int.Cl. B29C 48/32 (2019.01) B29C 48/16 (2019.01)**
[25] EN
[54] **DIE HEAD AND PROCESS TO MANUFACTURE MULTILAYER TUBULAR FILM**
[54] **TETE DE PARAISON ET PROCEDE DE FABRICATION D`UN FILM TUBULAIRE MULTICOUCHE**
[72] BAIER, CHRISTIAN, DE
[72] GRIMM, FELIX, DE
[72] HEINECKER, MICHAEL, DE
[72] LIBOWSKI, JOACHIM, DE
[71] HOSOKAWA ALPINE AKTIENGESELLSCHAFT, DE
[22] 2019-10-10
[41] 2020-04-13
[30] DE (10 2018 008 127.4) 2018-10-13

[21] **3,058,340**
[13] A1
[51] **Int.Cl. B64D 31/12 (2006.01) B64C 11/30 (2006.01)**
[25] EN
[54] **REVERSE THRUST IN MULTI-ENGINE PROPELLER AIRCRAFT**
[54] **INVERSION DE POUSSEE DANS UN AERONEF A HELICES MULTIMOTEURS**
[72] CHAHAL, JASRAJ, CA
[72] LISIO, CARMINE, CA
[72] MCGRATH, DARRAGH, CA
[72] ZINGARO, GIANCARLO, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-10-09
[41] 2020-04-15
[30] US (16/159,970) 2018-10-15

[21] **3,058,370**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/10 (2019.01) G06N 20/00 (2019.01)**
[25] EN
[54] **IDENTIFYING APPLICATIONS WITH MACHINE LEARNING**
[54] **IDENTIFICATION D`APPLICATIONS AVEC APPRENTISSAGE AUTOMATIQUE**
[72] BITTERFELD, ROBERT, US
[72] GARTY, ASAF, US
[72] ARON, AVIYA, US
[72] ERBLAT, BORIS, US
[72] TAL, HAIL, US
[72] SOLOMON, BARY, US
[71] SERVICENOW, INC., US
[22] 2019-10-10
[41] 2020-04-17
[30] US (16/163,204) 2018-10-17

[21] **3,058,432**
[13] A1
[51] **Int.Cl. H02S 99/00 (2014.01) H02S 40/30 (2014.01) H05K 3/12 (2006.01) H05K 13/00 (2006.01)**
[25] EN
[54] **ASSEMBLY METHOD AND COMBINED BIVALENT STATION FOR PHOTOVOLTAIC PANELS**
[54] **PROCEDE D`ASSEMBLAGE ET STATION BIVALENTE COMBINEE POUR PANNEAUX PHOTOVOLTAIQUES**
[72] SPOTTI, DAVIDE, IT
[71] VISMUNDA SRL, IT
[22] 2019-10-10
[41] 2020-04-12
[30] IT (102018000009389) 2018-10-12

[21] **3,058,522**
[13] A1
[51] **Int.Cl. A61G 17/04 (2006.01) A61G 17/08 (2006.01) F16B 1/00 (2006.01)**
[25] EN
[54] **CASKET ORNAMENT ATTACHMENT MECHANISM**
[54] **MECANISME DE FIXATION D`ORNEMENT DE CERCUEIL**
[72] REYNOLDS, KRISTINE ANN, US
[72] TEKULVE, TODD JEFFEREY, US
[72] WRAY, GREGORY, US
[71] BASTESVILLE SERVICES, INC., US
[22] 2019-10-11
[41] 2020-04-12
[30] US (62/745,053) 2018-10-12

[21] **3,058,525**
[13] A1
[51] **Int.Cl. E21B 23/04 (2006.01) E21B 23/06 (2006.01)**
[25] EN
[54] **SELF METERING SETTING TOOL HAVING INTEGRATED WIRELINE ADAPTER KIT FUNCTIONALITY**
[54] **OUTIL D`AVOYAGE A DOSAGE AUTOMATIQUE AYANT UNE FONCTIONNALITE DE NECESSAIRE D`ADAPTATION DE CABLE INTEGRE**
[72] NORRID, WILLIAM, US
[72] JASEK, SIDNEY, US
[72] DARDIS, MICHAEL, US
[72] AVILES CADENA, ISAAC, US
[72] GRAHAM, ROBERT M., US
[72] JAIME, ROBERTO, MX
[71] SCHLUMBERGER CANADA LIMITED, CA
[22] 2019-10-11
[41] 2020-04-12
[30] US (62/744670) 2018-10-12

[21] **3,058,526**
[13] A1
[51] **Int.Cl. B29C 64/386 (2017.01) B33Y 50/02 (2015.01)**
[25] EN
[54] **DETERMINING A PRINTING ANOMALY RELATED TO A 3D PRINTED OBJECT**
[54] **DETERMINATION D`UNE ANOMALIE D`IMPRESSION ASSOCIEE A UN OBJET D`IMPRESSION 3D**
[72] MARSCH, DANIEL, US
[72] OSBORN, KEVIN, US
[72] WURMFELD, DAVID KELLY, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-10-11
[41] 2020-04-12
[30] US (16/159219) 2018-10-12

[21] **3,058,532**
[13] A1
[51] **Int.Cl. B21J 15/10 (2006.01) B21J 15/38 (2006.01)**
[25] EN
[54] **CLINCHING MACHINE**
[54] **MACHINE A RIVET**
[72] PETIT, BRIAN D., US
[72] SANDERS, ANDREW T., US
[72] JONES, RYAN T., US
[71] BTM COMPANY LLC, US
[22] 2019-10-11
[41] 2020-04-15
[30] US (62/745,767) 2018-10-15
[30] US (16/579,915) 2019-09-24

[21] **3,058,550**
[13] A1
[51] **Int.Cl. G06Q 20/40 (2012.01) G06Q 20/34 (2012.01) G06F 16/955 (2019.01)**
[25] EN
[54] **RELAXED FRAUD DETECTION FOR TRANSACTIONS USING VIRTUAL TRANSACTION CARDS**
[54] **DETECTION DE FRAUDE ELARGIE POUR TRANSACTIONS AU MOYEN DE CARTES DE TRANSACTION VIRTUELLE**
[72] BENKREIRA, ABDELKADAR M'HAMED, US
[72] EDWARDS, JOSHUA, US
[72] VUKICH, ADAM, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-10-11
[41] 2020-04-12
[30] US (16/159223) 2018-10-12

[21] **3,058,562**
[13] A1
[51] **Int.Cl. A01K 5/00 (2006.01)**
[25] EN
[54] **PET TREAT HOLDER WITH ADJUSTABLE OPENING FOR GRIPPING CHEW TREATS OR RELEASING KIBBLE TREATS**
[54] **SUPPORT POUR FRIANDISES D`ANIMAUX DE COMPAGNIE AVEC OUVERTURE REGLABLE POUR SAISIR DES FRIANDISES A MACHER OU POUR LIBERER DES FRIANDISES SOUS FORME DE CROQUETTES**
[72] MCFARLANE, BLAINE J., CA
[72] KNIGHT, TIMOTHY C., CA
[71] COLATRUGLIO, CURTIS, CA
[71] MCFARLANE, BLAINE J., CA
[71] KNIGHT, TIMOTHY C., CA
[22] 2019-10-15
[41] 2020-04-15
[30] US (62/745,781) 2018-10-15

[21] **3,058,564**
[13] A1
[51] **Int.Cl. B01F 3/04 (2006.01) B01F 13/02 (2006.01) C02F 3/02 (2006.01) C02F 3/20 (2006.01)**
[25] EN
[54] **DUAL-ACTION WATER AERATOR**
[54] **AERATEUR D`EAU A DOUBLE ACTION**
[72] GALBREATH-O'LEARY, BRADEN J., US
[72] WEVER, JONATHAN, US
[72] WEVER, MICHAEL C., US
[72] HILL, PATRICK D., US
[71] TRIPLEPOINT ENVIRONMENTAL LLC, US
[22] 2019-10-11
[41] 2020-04-13
[30] US (62/745,310) 2018-10-13
[30] US (16/598,842) 2019-10-10

[21] **3,058,577**
[13] A1
[51] **Int.Cl. E05B 65/00 (2006.01) A62B 25/00 (2006.01) B64D 13/00 (2006.01) B64D 25/00 (2006.01)**
[25] FR
[54] **LOCKING DEVICE, IN PARTICULAR, DEVICE TO STOW RESPIRATOR MASK INTENDED TO SUPPLY OXYGEN IN AN AIRCRAFT AND OXYGEN SUPPLY SYSTEM**
[54] **DISPOSITIF DE VERROUILLAGE, EN PARTICULIER DISPOSITIF RANGEMENT DE MASQUE RESPIRATOIRE DESTINE A LA FOURNITURE D'OXYGENE DANS UN AERONEF ET SYSTEME D'ALIMENTATION EN OXYGENE**
[72] NALY, CHARLES, FR
[72] BRUIANT CHRYSOSTOM, BENOIT, FR
[72] FROMAGE, MATTHIEU, FR
[72] KLOCKIEWICZ, FLORIAN, FR
[71] ZODIAC AEROTECHNICS, FR
[22] 2019-10-10
[41] 2020-04-12
[30] FR (18/59490) 2018-10-12

[21] **3,058,580**
[13] A1
[51] **Int.Cl. A01B 29/04 (2006.01)**
[25] FR
[54] **SELF CLEANING AGRICULTURAL ROLLER**
[54] **ROULEAU AGRICOLE AUTONETTOYANT**
[72] PHELY, OLIVIER, FR
[71] OTICO, FR
[22] 2019-10-10
[41] 2020-04-12
[30] FR (1859504) 2018-10-12

[21] **3,058,587**
[13] A1
[51] **Int.Cl. B60R 11/06 (2006.01) H05B 45/00 (2020.01) B25H 5/00 (2006.01) B62D 33/04 (2006.01) F21V 33/00 (2006.01) F21S 4/20 (2016.01)**
[25] EN
[54] **TRUCK STORAGE BOX WITH INTEGRATED LIGHTING AND POWER**
[54] **BOITE DE RANGEMENT POUR CAMION A ECLAIRAGE ET ELECTRICITE INTEGRES**
[72] OH, SANG, US
[71] WERNER CO., US
[22] 2019-10-10
[41] 2020-04-18
[30] US (62/747,458) 2018-10-18

[21] **3,058,599**
[13] A1
[51] **Int.Cl. A47J 43/12 (2006.01) A47J 31/44 (2006.01) F16K 11/076 (2006.01) F16T 1/34 (2006.01)**
[25] EN
[54] **STEAM DISPENSING APPARATUS FOR HOT BEVERAGE PREPARATION**
[54] **APPAREIL DE DISTRIBUTION DE VAPEUR POUR LA PREPARATION DE BOISSONS CHAUDES**
[72] ABBIATI, GIACOMO, IT
[72] GALIMBERTI, ALBERTO, IT
[71] GRUPPO CIMBALI S.P.A., IT
[22] 2019-10-10
[41] 2020-04-12
[30] IT (102018000009404) 2018-10-12

[21] **3,058,612**
[13] A1
[51] **Int.Cl. B62D 31/02 (2006.01) B60N 3/02 (2006.01) B60R 21/00 (2006.01)**
[25] EN
[54] **BUS STRUCTURE WITH A VERTICAL HANDLE FOR PASSENGERS**
[54] **STRUCTURE D`AUTOBUS MUNIE D`UNE POIGNEE VERTICALE POUR PASSAGERS**
[72] HALLUNDBAEK, JORGEN, LU
[71] ALPHA EC INDUSTRIES 2018 S.A.R.L., LU
[22] 2019-10-11
[41] 2020-04-15
[30] LU (LU100962) 2018-10-15

[21] **3,058,634**
[13] A1
[51] **Int.Cl. B65G 1/00 (2006.01) G05B 19/042 (2006.01)**
[25] EN
[54] **MULTI LEVEL ROBOTICS AUTOMATION**
[54] **AUTOMATISATION ROBOTIQUE A PLUSIEURS NIVEAUX**
[72] AGARWAL, RUPESH, IN
[72] KUMAR, GAURAV, IN
[72] KEJRIWAL, GAURAV, IN
[72] THAKKAR, JAI, IN
[71] GREY ORANGE PTE. LTD., SG
[22] 2019-10-11
[41] 2020-04-12
[30] US (16/159276) 2018-10-12

[21] **3,058,653**
[13] A1
[51] **Int.Cl. G06Q 40/02 (2012.01) H04W 12/06 (2009.01) H04W 4/021 (2018.01) H04W 4/80 (2018.01)**
[25] EN
[54] **OUT-OF-BAND VERIFICATION FOR AN ELECTRONIC APPLICATION**
[54] **VERIFICATION HORS BANDE POUR APPLICATION ELECTRONIQUE**
[72] CHILAKA, UCHENNA, US
[72] PONTIUS, TIM, US
[71] COMENITY LLC, US
[22] 2019-10-11
[41] 2020-04-17
[30] US (62/746965) 2018-10-17
[30] US (16/595189) 2019-10-07

[21] **3,058,660**
[13] A1
[51] **Int.Cl. H02B 1/20 (2006.01) H01R 25/16 (2006.01) H02G 3/16 (2006.01)**
[25] EN
[54] **MULTI-POINT WELL JUNCTION**
[54] **JONCTION DE PUITS MULTIPOINT**
[72] GIEGER, JEFFREY, US
[71] ABB SCHWEIZ AG, CH
[22] 2019-10-11
[41] 2020-04-12
[30] US (16/158,920) 2018-10-12

[21] **3,058,661**
[13] A1
[51] **Int.Cl. E04B 1/82 (2006.01) A62C 2/06 (2006.01)**
[25] EN
[54] **ACOUSTIC DAMPENING FIRE STOP**
[54] **COUPE-FEU A AMORTISSEMENT ACOUSTIQUE**
[72] WILKINSON, WILLIAM THOMAS, CA
[72] WILKINSON, DONALD VINCENT, CA
[71] WILKINSON, WILLIAM THOMAS, CA
[71] WILKINSON, DONALD VINCENT, CA
[22] 2019-10-11
[41] 2020-04-16
[30] US (62/746,228) 2018-10-16

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[13] A1
[51] **Int.Cl. E05B 1/00 (2006.01)**
[25] EN
[54] **HANDLE SET ENGAGEMENT CARTRIDGE**
[54] **CARTOUCHE DE MISE EN PRISE POUR MANETTE**
[72] XIN, ERIC, US
[72] LIN, JAMES, US
[71] SPECTRUM BRANDS, INC., US
[22] 2019-10-11
[41] 2020-04-12
[30] US (62/745,021) 2018-10-12

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[21] **3,058,699**
[13] A1
[51] **Int.Cl. B65H 75/48 (2006.01) B65H 75/40 (2006.01)**
[25] EN
[54] **SELF-RETRACTING REEL**
[54] **BOBINE AUTO-RETRACTABLE**
[72] PEARSON, NATHANIEL, US
[71] IMAGINATION PLASTICS LLC, US
[22] 2019-10-15
[41] 2020-04-15
[30] US (62/745608) 2018-10-15

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[21] **3,058,709**
[13] A1
[51] **Int.Cl. B65D 5/38 (2006.01) B65B 43/00 (2006.01) B65D 59/04 (2006.01) B65D 79/00 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN LATCHABLE PACKAGING**
[54] **AMELIORATIONS APPORTEES A UN EMBALLAGE VERROUILLABLE**
[72] WHITEHURST, DANE, GB
[71] DUALLOK LIMITED, GB
[22] 2019-10-11
[41] 2020-04-12
[30] GB (GB1816684.3) 2018-10-12
[30] GB (GB1817496.1) 2018-10-26

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[21] **3,058,730**
[13] A1
[51] **Int.Cl. E21B 21/08 (2006.01) E21B 47/06 (2012.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR EARLY KICK DETECTION AND LOSS OF DRILLING MUD IN OILWELL DRILLING OPERATIONS**
[54] **APPAREIL ET PROCEDE DE DETECTION ET DE PERTE PRECOCES DE BOUE DE FORAGE DANS DES OPERATIONS DE FORAGE DE PUITS DE PETROLE**
[72] ZEIDLER, H. UDO, CA
[71] ZEIDLER, H. UDO, CA
[22] 2019-10-15
[41] 2020-04-15
[30] US (62/745,493) 2018-10-15
[30] US (62/769,858) 2018-11-20
[30] US (16/598,149) 2019-10-10

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[21] **3,058,733**
[13] A1
[51] **Int.Cl. B65H 75/38 (2006.01) B21C 37/06 (2006.01) B31C 5/00 (2006.01) B64G 1/22 (2006.01) B65H 37/00 (2006.01) F16F 1/10 (2006.01) F16S 3/02 (2006.01)**
[25] EN
[54] **TAPE-SPRING DEPLOYABLE DEVICE**
[54] **DISPOSITIF DEPLOYABLE DE RESSORT EN BANDE**
[72] BAUDASSE, YANNICK, FR
[72] FRANCOIS, XAVIER, FR
[72] GUINOT, FRANCOIS, FR
[72] BOUCHET, VALENTIN, FR
[71] THALES, FR
[22] 2019-10-15
[41] 2020-04-18
[30] FR (1801095) 2018-10-18

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[21] **3,058,738**
[13] A1
[51] **Int.Cl. B64G 1/22 (2006.01) B21C 37/06 (2006.01) B31C 5/00 (2006.01) B65H 37/00 (2006.01) B65H 75/38 (2006.01) F16F 1/10 (2006.01) F16S 3/02 (2006.01)**
[25] EN
[54] **TAPE-SPRING DEPLOYABLE DEVICE WITH A NON-CONSTANT CROSS SECTION**
[54] **DISPOSITIF DEPLOYABLE DE RESSORT EN BANDE A SECTION TRANSVERSALE NON CONSTANTE**
[72] BAUDASSE, YANNICK, FR
[72] GUINOT, FRANCOIS, FR
[72] VEZAIN, STEPHANE, FR
[71] THALES, FR
[22] 2019-10-15
[41] 2020-04-18
[30] FR (1801096) 2018-10-18

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[21] **3,058,739**
[13] A1
[51] **Int.Cl. F21S 2/00 (2016.01) F21K 9/00 (2016.01) F21V 21/005 (2006.01) F21V 21/30 (2006.01)**
[25] EN
[54] **COLLAPSIBLE LIGHT TUNNEL**
[54] **TUNNEL DE LUMIERE PLIABLE**
[72] TINGLE, CHARLIE Z., US
[71] TINGLE, CHARLIE Z., US
[22] 2019-10-15
[41] 2020-04-16
[30] US (16/161,420) 2018-10-16

[21] **3,058,742**
[13] A1
[51] **Int.Cl. A47B 96/02 (2006.01) A47B 43/02 (2006.01) A47B 47/06 (2006.01) A47F 5/11 (2006.01)**
[25] EN
[54] **DISPLAY HUTCH**
[54] **BAHUT DE PRESENTATION**
[72] HARA, HIDENOBU, US
[72] BOLOGNA, JUSTIN, US
[72] BENDER, MICHAEL, US
[71] WESTROCK SHARED SERVICES, LLC, US
[22] 2019-10-15
[41] 2020-04-15
[30] US (16/160574) 2018-10-15

[21] **3,058,746**
[13] A1
[51] **Int.Cl. G01N 37/00 (2006.01) B82Y 15/00 (2011.01) G01N 27/12 (2006.01) H01M 2/30 (2006.01) G01N 1/22 (2006.01)**
[25] EN
[54] **INTEGRATED SENSOR PACKAGES**
[54] **BOITIERS DE CAPTEURS INTEGRES**
[72] SPRUCE, JANA, US
[72] GARDNER, BENJAMIN D., US
[72] TRUBEY, RICHARD K., US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2019-10-11
[41] 2020-04-12
[30] US (16/159,294) 2018-10-12

[21] **3,058,747**
[13] A1
[51] **Int.Cl. G01B 11/245 (2006.01) G06T 17/00 (2006.01)**
[25] EN
[54] **OBJECT RESPONSIVE ROBOTIC NAVIGATION AND IMAGING CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE D`IMAGERIE ET DE NAVIGATION ROBOTIQUE SENSIBLE A UN OBJET**
[72] UNKNOWN, XX
[71] FINGER FOOD STUDIOS, INC., CA
[22] 2019-10-15
[41] 2020-04-15
[30] US (62/745,834) 2018-10-15

[21] **3,058,750**
[13] A1
[51] **Int.Cl. A61G 17/00 (2006.01)**
[25] EN
[54] **CASKET AND METHOD OF CONSTRUCTION**
[54] **CERCUEIL ET PROCEDE DE CONSTRUCTION**
[72] CHAN, HUNG SIRIUS, HK
[71] SICH CASKET COMPANY LIMITED, HK
[22] 2019-10-11
[41] 2020-04-13
[30] US (62/745,332) 2018-10-13

[21] **3,058,752**
[13] A1
[51] **Int.Cl. E04G 17/00 (2006.01)**
[25] EN
[54] **CONNECTION ASSEMBLY FOR FORMWORK**
[54] **ENSEMBLE DE CONNECTEURS POUR COFFRAGE**
[72] JORGENSEN, DAVID L., US
[72] HENNING, MARK D., US
[71] PERI GMBH, DE
[22] 2019-10-15
[41] 2020-04-15
[30] US (16/160,898) 2018-10-15

[21] **3,058,755**
[13] A1
[51] **Int.Cl. A61F 13/53 (2006.01) A61F 13/47 (2006.01)**
[25] EN
[54] **EXPANDABLE ABSORBENT CORE AND METHOD OF MANUFACTURE**
[54] **NOYAU ABSORBANT EXTENSIBLE ET PROCEDE DE FABRICATION**
[72] NELSON, CHRISTOPHER J., US
[72] ROEHRBORN, SCOTT A., US
[72] BRUCKSCHEN, TROY LEE, US
[71] CURT G. JOA, INC., US
[22] 2019-10-11
[41] 2020-04-17
[30] US (62/746.963) 2018-10-17

[21] **3,058,763**
[13] A1
[51] **Int.Cl. G05G 5/03 (2009.01) G01D 5/12 (2006.01) G01D 5/165 (2006.01) G01D 5/20 (2006.01)**
[25] EN
[54] **PASSIVE HAPTIC FEEDBACK INPUT DEVICE**
[54] **DISPOSITIF DE RETROACTION HAPTIQUE PASSIF**
[72] MCCLELLAN, JOHN C., CA
[72] TEATHER, ROBERT J., CA
[72] GIROUARD, AUDREY, CA
[71] CARLETON UNIVERSITY, CA
[22] 2019-10-15
[41] 2020-04-16
[30] US (62/746,238) 2018-10-16

[21] **3,058,823**
[13] A1
[51] **Int.Cl. H04B 11/00 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR USING HAPTIC VIBRATION FOR INTER-DEVICE COMMUNICATION**
[54] **SYSTEMES ET PROCEDES UTILISANT LA VIBRATION HAPTIQUE POUR LA COMMUNICATION ENTRE DISPOSITIFS**
[72] BENKREIRA, ABDELKADER, US
[72] EDWARDS, JOSHUA, US
[72] MOSSOBA, MICHAEL, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-10-16
[41] 2020-04-17
[30] US (16/162593) 2018-10-17

[21] **3,058,828**
[13] A1
[51] **Int.Cl. G06Q 40/02 (2012.01) H04W 4/021 (2018.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AVAILABLE CREDIT NOTIFICATION BASED ON CUSTOMER LOCATION**
[54] **SYSTEMES ET METHODES DE NOTIFICATION DE CREDIT DISPONIBLE EN FONCTION DE L`EMPLACEMENT DU CLIENT**
[72] BENKREIRA, ABDELKADER M'HAMED, US
[72] EDWARDS, JOSHUA, US
[72] MOSSOBA, MICHAEL, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-10-16
[41] 2020-04-18
[30] US (16/163962) 2018-10-18

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[21] **3,058,830**
[13] A1
[51] **Int.Cl. B64D 15/12 (2006.01) H05B 3/34 (2006.01) H05K 3/12 (2006.01)**
[25] EN
[54] **METHOD OF USING PRINTED HIGHLY FLEXIBLE CONDUCTIVE INK BUS BARS TO TRANSFER POWER TO HEATED COMPONENTS**
[54] **PROCEDE D`UTILISATION DE BARRES DE DISTRIBUTION D`ENCRE D`IMPRESSION CONDUCTRICE HAUTEMENT FLEXIBLES POUR TRANSFERER DE L`ENERGIE A DES COMPOSANTS CHAUFFES**
[72] HARTZLER, BRAD, US
[71] GOODRICH CORPORATION, US
[22] 2019-10-15
[41] 2020-04-16
[30] US (16/161,709) 2018-10-16

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[21] **3,058,832**
[13] A1
[51] **Int.Cl. B60J 11/00 (2006.01)**
[25] EN
[54] **COVER FOR A VEHICLE**
[54] **TABLIER DE PROTECTION POUR VEHICULE**
[72] MAZZARELLI, DAVID, US
[72] KINNE, SEAN MICHAEL, US
[71] COMMERCIAL SEWING, INC., US
[22] 2019-10-15
[41] 2020-04-15
[30] US (62/745,850) 2018-10-15

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[21] **3,058,834**
[13] A1
[51] **Int.Cl. C05F 7/00 (2006.01) C02F 11/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A FERTILIZER PRODUCT**
[54] **METHODE DE PRODUCTION D`ENGRAIS**
[72] WARD, OWEN PATRICK, CA
[71] LYSTEK INTERNATIONAL CORP., CA
[22] 2019-10-16
[41] 2020-04-18
[30] GB (1817017.5) 2018-10-18

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[21] **3,058,870**
[13] A1
[51] **Int.Cl. E06B 1/36 (2006.01) E06B 1/32 (2006.01)**
[25] EN
[54] **GASKET RAILING SYSTEM FOR A WINDOW FRAME**
[54] **SYSTEME DE JOINT D`ETANCHEITE POUR LONGERON DE CADRE DE CHASSIS**
[72] KOSTER, NORMAN, CA
[72] FORGIONE, ANGELO, CA
[71] MATREX WINDOW SYSTEM INC., CA
[22] 2019-10-16
[41] 2020-04-17
[30] US (16/163,214) 2018-10-17

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[21] **3,058,876**
[13] A1
[51] **Int.Cl. C02F 1/46 (2006.01) B01D 21/01 (2006.01) C02F 1/463 (2006.01) C02F 1/52 (2006.01)**
[25] EN
[54] **VOLTAGE-CONTROLLED, HYDRODYNAMICALLY ISOLATED, ION-GENERATION APPARATUS AND METHOD**
[54] **APPAREIL GENERATEUR D`IONS A ISOLATION HYDRODYNAMIQUE COMMANDE EN TENSION ET PROCEDE**
[72] MILLER, C. MICHAEL, US
[72] BELL, DAVID A., US
[72] HUBBARD, MARK WILLIAM, US
[71] THOUGHT PRESERVE, LLC, US
[22] 2019-10-16
[41] 2020-04-16
[30] US (62/746,409) 2018-10-16

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[21] **3,058,878**
[13] A1
[51] **Int.Cl. E04H 4/14 (2006.01)**
[25] EN
[54] **WATER MODULES FOR ABOVE-GROUND SWIMMING POOLS**
[54] **DIVISIONS D`ALIMENTATION D`EAU POUR PISCINES HORS-SOL**
[72] CARRIERE, THIERRY, CA
[72] GUAY-GUILLEMETTE, MAXIME, CA
[72] LAFOND, VERONIQUE, CA
[72] VIENS, CARL, CA
[71] GROUPE VIF INC., CA
[22] 2019-10-16
[41] 2020-04-17
[30] CA (3.021.119) 2018-10-17

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[21] **3,058,881**
[13] A1
[51] **Int.Cl. F23Q 3/01 (2006.01)**
[25] EN
[54] **LIGHTER**
[54] **BRIQUET**
[72] POUPART, GILLES-ANDRE, CA
[72] POUPART, MATHIEU-ALEXANDRE, CA
[71] SAFIRE LIGHTERS INC., CA
[22] 2019-10-16
[41] 2020-04-18
[30] US (62/747,341) 2018-10-18

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[21] **3,058,884**
[13] A1
[51] **Int.Cl. H04L 12/58 (2006.01) H04L 12/26 (2006.01)**
[25] EN
[54] **METHOD AND PERSONAL EMAIL SYSTEM USING SIMULATED VIRTUAL USERS**
[54] **PROCEDE ET SYSTEME DE COURRIER ELECTRONIQUE PERSONNEL UTILISANT DES UTILISATEURS VIRTUELS SIMULES**
[72] ADAMS, CHRISTOPHER THOMAS, US
[71] EMAIL DATA SOURCE, INC., US
[22] 2019-10-16
[41] 2020-04-16
[30] US (62/746,335) 2018-10-16

[21] **3,058,893**
[13] A1
[51] **Int.Cl. B60D 1/62 (2006.01) B62D 49/00 (2006.01) B62D 63/04 (2006.01)**
[25] EN
[54] **EXTENSION BRACKET FOR SLIDER BAR EXTENSION FOR PNEUMATIC/ELECTRICAL LINES**
[54] **SUPPORT D`EXTENSION POUR EXTENSION DE BARRE COULISSANTE POUR CONDUITES PNEUMATIQUES ET ELECTRIQUES**
[72] PAPAFAGOS, JAMES C., US
[71] TECTRAN MFG. INC., US
[22] 2019-10-15
[41] 2020-04-15
[30] US (62/745776) 2018-10-15

[21] **3,058,937**
[13] A1
[51] **Int.Cl. B65D 85/00 (2006.01) E05B 73/00 (2006.01)**
[25] EN
[54] **CONTAINER FOR DISPLAYING AROMATIC PRODUCTS**
[54] **RECIPIENT POUR LA PRESENTATION DE PRODUITS AROMATIQUES**
[72] BIGIONI, DAVID, CA
[72] JONES, MARK, CA
[72] LEUNG, NELSON, HK
[71] CANOPY GROWTH CORPORATION, CA
[22] 2019-10-15
[41] 2020-04-16
[30] US (62/746136) 2018-10-16
[30] US (16/598143) 2019-10-10

[21] **3,058,956**
[13] A1
[51] **Int.Cl. G08B 5/36 (2006.01) G06Q 10/06 (2012.01) H05B 45/20 (2020.01) G06F 3/00 (2006.01) H04M 3/51 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATIC INDICATION OF CONTACT CENTER STATUS USING AN ILLUMINATION DEVICE**
[54] **SYSTEME ET PROCEDE D`INDICATION AUTOMATIQUE DE L`ETAT D`UN CENTRE D`APPELS AU MOYEN D`UN DISPOSITIF D`ECLAIRAGE**
[72] DAVIS, EVAN, US
[72] HARDY, LYLE, US
[71] TELEPERFORMANCE SE, FR
[22] 2019-10-16
[41] 2020-04-18
[30] US (62/747,604) 2018-10-18

[21] **3,058,986**
[13] A1
[51] **Int.Cl. G08B 13/194 (2006.01) G06K 9/00 (2006.01) H04N 5/262 (2006.01) G08G 1/01 (2006.01)**
[25] FR
[54] **ELECTRONIC DEVICE AND PROCESS FOR SURVEILLANCE OF A SCENE VIA A SET OF ELECTRONIC SENSOR(S), ASSOCIATED COMPUTER PROGRAM**
[54] **DISPOSITIF ELECTRONIQUE ET PROCEDE DE SURVEILLANCE D'UNE SCENE VIA UN ENSEMBLE DE CAPTEUR(S) ELECTRONIQUE(S), PROGRAMME D'ORDINATEUR ASSOCIE**
[72] KARAOGUZ, CEM, FR
[72] PHAM, HOANG-LAN, FR
[72] BEAUVILLAIN, ALEXIS, FR
[72] LE CORNEC, OLIVIER, FR
[71] TRANSDEV GROUP, FR
[22] 2019-10-16
[41] 2020-04-17
[30] FR (1859605) 2018-10-17

[21] **3,058,999**
[13] A1
[51] **Int.Cl. H05K 7/20 (2006.01) H01L 23/427 (2006.01) H05K 5/02 (2006.01)**
[25] EN
[54] **THERMAL ENERGY DISSIPATION SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE DISSIPATION D`ENERGIE THERMIQUE**
[72] RAHM, JAMES K., US
[72] GORDON, JARED M., US
[71] ARRIS ENTERPRISES LLC, US
[22] 2019-10-17
[41] 2020-04-17
[30] US (16/163,544) 2018-10-17

[21] **3,059,005**
[13] A1
[51] **Int.Cl. G06Q 50/14 (2012.01) G06F 40/205 (2020.01) G06K 9/62 (2006.01)**
[25] EN
[54] **ARTIFICIALLY INTELLIGENT COMPUTING ENGINE FOR TRAVEL ITINERARY RESOLUTIONS**
[54] **MOTEUR INFORMATIQUE D`INTELLIGENCE ARTIFICIELLE POUR SOLUTIONS D`ITINERAIRE DE VOYAGE**
[72] MILLER, JONATHAN DAVID, US
[72] MILLER, HAROLD ROY, US
[71] AMGINE TECHNOLOGIES (US), INC., US
[22] 2019-10-17
[41] 2020-04-17
[30] US (62/747088) 2018-10-17
[30] US (16/396487) 2019-04-26

[21] **3,059,021**
[13] A1
[51] **Int.Cl. G07F 17/32 (2006.01) G07C 15/00 (2006.01)**
[25] EN
[54] **PROGRESSIVE JACKPORT FOR DEALS OF INSTANT GAME TICKET WHERE WINNING PROGRESSIVE JACKPOT INSTANT TICKET IS RANDOMLY SELECTED FROM UNPLAYED TICKETS AFTER COIN-IN OR PROGRESSIVE JACKPOT AMOUNT FOR THE DEALS OF INSTANT TICKETS REACHES PREDETERMINED VALUE**
[54] **GROS LOT PROGRESSIF DECOULANT DES SERIES DE BILLETS DE JEU INSTANTANE DANS LEQUEL UN BILLET GAGNANT DE JEU INSTANTANE POUR GROS LOT PROGRESSIF EST SELECTIONNE DE MANIERE ALEATOIREA PARTIR DE BILLETS NON JOUES APRES QUE LE MONTANT DU GROS LOT PROGRESSIF OU DE LA CAGNOTTE DES SERIES DE BILLETS DE JEU INSTANTANE ATTEINT UNE VALEUR PREDETERMINEE**
[72] BRESLO, WILLIAM F., US
[72] GREENE, BRYAN J., US
[72] REYHANI, ATENA, US
[71] DIAMOND GAME ENTERPRISES, US
[22] 2019-10-17
[41] 2020-04-18
[30] US (16/164,186) 2018-10-18

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[21] **3,059,137**
[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01) F03G 7/10 (2006.01) H02J 15/00 (2006.01) H02N 99/00 (2006.01)**
[25] EN
[54] **SELF-CHARGING POWER SOURCE**
[54] **SOURCE D`ALIMENTATION AUTOCHARGEABLE**
[72] BARTON, TIARRA, US
[71] BARTON, TIARRA, US
[22] 2019-10-18
[41] 2020-04-18
[30] US (16/164,255) 2018-10-18

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[21] **3,059,166**
[13] A1
[51] **Int.Cl. E05B 15/02 (2006.01)**
[25] EN
[54] **DOOR STRIKE ASSEMBLY WITH A REVOLVING LATCH EJECTOR**
[54] **ENSEMBLE DE GACHES DE PORTE DOTEE D`UN EJECTEUR DE LOQUET ROTATIF**
[72] SIMS, RYAN M., US
[72] PEABODY, JOSHUA T., US
[71] HANCHETT ENTRY SYSTEMS, INC., US
[22] 2019-10-18
[41] 2020-04-18
[30] US (62/747,407) 2018-10-18

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[21] **3,059,222**
[13] A1
[51] **Int.Cl. C01B 32/182 (2017.01) H01M 4/583 (2010.01) C01B 32/19 (2017.01)**
[25] EN
[54] **ELECTROCHEMICALLY EXFOLIATED PHOSPHATED GRAPHENE**
[54] **GRAPHENE PHOSPHATE EXFOLIE PAR VOIE ELECTROCHIMIQUE**
[72] ROBERTS, EDWARD P. L., CA
[72] SHARIF, FARBOD, CA
[72] TRIFKOVIC, MILANA, CA
[72] BRYANT, STEVEN, CA
[71] UTI LIMITED PARTNERSHIP, CA
[22] 2019-10-17
[41] 2020-04-18
[30] US (62/747,566) 2018-10-18

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[21] **3,059,460**
[13] A1
[51] **Int.Cl. A63G 31/00 (2006.01)**
[25] EN
[54] **INFLATABLE SURFING APPARATUS AND METHOD**
[54] **DISPOSITIF DE SURF GONFLABLE ET METHODE**
[72] MYRMAN, MARSHALL COREY, US
[72] KOIDE, BRAD, US
[72] PHILP, DANNY, CA
[71] WHITEWATER WEST INDUSTRIES LTD., CA
[22] 2019-10-18
[41] 2020-04-18
[30] US (16/163,810) 2018-10-18

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[21] **3,062,574**
[13] A1
[51] **Int.Cl. F16L 1/028 (2006.01) B09B 3/00 (2006.01) E02F 5/00 (2006.01)**
[25] EN
[54] **PIPE REPLACEMENT TOOL AND METHOD**
[54] **OUTIL ET METHODE DE REMPLACEMENT DE TUYAU**
[72] DIMITROFF, TED R., US
[71] DIMITROFF, TED R., US
[22] 2019-11-25
[41] 2020-04-16
[30] US (16/161768) 2018-10-16

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[21] **3,066,129**
[13] A1
[51] **Int.Cl. A24F 40/46 (2020.01) A24B 15/167 (2020.01) A24F 47/00 (2020.01) A61M 15/06 (2006.01)**
[25] EN
[54] **POWER SUPPLY FOR AEROSOL INHALER, AND CONTROL METHOD AND CONTROL PROGRAM OF THE SAME**
[54] **BLOC D`ALIMENTATION POUR INHALATEUR D`AEROSOL, ET PROCEDE DE CONTROLE ET PROGRAMME DE CONTROLE AFFERENTS**
[72] AKAO, TAKESHI, JP
[72] YAMADA, MANABU, JP
[72] FUJITA, HAJIME, JP
[71] JAPAN TOBACCO INC., JP
[22] 2019-12-23
[41] 2020-04-17
[30] JP (2018-244967) 2018-12-27

[21] **3,066,132**
[13] A1
[51] **Int.Cl. A24F 40/50 (2020.01) A24F 40/40 (2020.01) A61M 15/06 (2006.01)**
[25] EN
[54] **POWER SUPPLY UNIT FOR AEROSOL INHALER, METHOD OF DIAGNOSING STATE OF POWER SUPPLY OF AEROSOL INHALER, AND PROGRAM FOR DIAGNOSING STATE OF POWER SUPPLY OF AEROSOL INHALER**
[54] **BLOC D`ALIMENTATION POUR INHALATEUR D`AEROSOL, PROCEDE POUR DIAGNOSTIQUER L`ETAT DU BLOC D`ALIMENTATION D`UN INHALATEUR D`AEROSOL ET PROGRAMME POUR DIAGNOSTIQUER L`ETAT DU BLOC D`ALIMENTATION D`UN INHALATEUR D`AEROSOL**
[72] AKAO, TAKESHI, JP
[72] YAMADA, MANABU, JP
[72] FUJITA, HAJIME, JP
[71] JAPAN TOBACCO INC., JP
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[54] **POWER SUPPLY UNIT FOR AEROSOL INHALER**
[54] **BLOC D`ALIMENTATION POUR INHALATEUR D`AEROSOL**
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[71] JAPAN TOBACCO INC., JP
[22] 2020-01-16
[41] 2020-04-16
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[30] JP (2019-035981) 2019-02-28

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[54] **POWER SUPPLY UNIT FOR AEROSOL INHALER**
[54] **BLOC D`ALIMENTATION POUR INHALATEUR D`AEROSOL**
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[71] JAPAN TOBACCO INC., JP
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[41] 2020-04-16
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[25] FR
[54] **PROCESS TO OPTIMIZE GROUND NOISE GENERATED BY A ROTORCRAFT**
[54] **PROCEDE D'OPTIMISATION DU BRUIT GENERE AU SOL PAR UN GIRAVION**
[72] GOMEZ, NAYIBE, FR
[71] AIRBUS HELICOPTERS, FR
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[30] FR (1901399) 2019-02-12

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[51] **Int.Cl. H04W 4/02 (2018.01) H04W 64/00 (2009.01) G01R 33/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR THRESHOLD-BASED DETECTION OF DISTORTIVE MAGNETIC FIELDS IN INDOOR LOCATIONS**
[54] **PROCEDE ET SYSTEME DE DETECTION BASEE SUR UN SEUIL DE CHAMPS DE DISTORSION MAGNETIQUE A L`INTERIEUR DES BATIMENTS**
[72] HUBERMAN, SEAN, CA
[71] MAPSTED CORP., CA
[22] 2020-01-30
[41] 2020-04-13
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[51] **Int.Cl. B64C 5/02 (2006.01) B64C 27/00 (2006.01)**
[25] EN
[54] **A ROTORCRAFT WITH A STABILIZER WING**
[54] **GIRAVION MUNI D`UNE AILE STABILISATRICE**
[72] EMBACHER, MARTIN, DE
[72] RIES, TOBIAS, DE
[72] ECKERT, CHRISTIAN, DE
[72] KNEISCH, THOMAS, DE
[71] AIRBUS HELICOPTERS DEUTSCHLAND GMBH, DE
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[54] **ADAPTIVE TRAFFIC CONTROL USING VEHICLE TRAJECTORY DATA**
[54] **CONTROLE DE TRAFIC ADAPTATIF AU MOYEN DES DONNEES DE TRAJECTOIRE DE VEHICULE**
[72] ZHENG, JIANFENG, CN
[72] LIU, XIANGHONG, CN
[71] BEIJING DIDI INFINITY SCIENCE AND DEVELOPMENT CO., LTD., CN
[85] 2018-12-10
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[25] EN
[54] **A SYSTEM TO OPTIMIZE SCATS ADAPTIVE SIGNAL SYSTEM USING TRAJECTORY DATA**
[54] **UN SYSTEME D'OPTIMISATION DU SYSTEME DE SIGNAL ADAPTATIF SCATS AU MOYEN DES DONNEES DE TRAJECTOIRE**
[72] ZHENG, JIANFENG, CN
[72] LIU, XIANGHONG, CN
[72] LI, FULIANG, CN
[71] BEIJING DIDI INFINITY SCIENCE AND DEVELOPMENT CO., LTD., CN
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[54] **SECRET SHARING WITH NO TRUSTED INITIALIZER**
[54] **COMMUNICATION DE SECRET A UN INITIALISATEUR NON FIABLE**
[72] CHEN, CHAOCHAO, CN
[72] ZHOU, JUN, CN
[71] ALIBABA GROUP HOLDING LIMITED, KY
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[54] **COMMUNICATION DE SECRET A UN INITIALISATEUR FIABLE**
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[72] ZHOU, JUN, CN
[71] ALIBABA GROUP HOLDING LIMITED, KY
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[54] **TUBE-IN-TUBE PULL-OUT FAUCET**
[54] **ROBINET GIGOGNE A DOUBLE TUBE**
[72] HUANG, WEIXIN, CN
[71] FLOWTECH KITCHEN & BATHROOM TECHNOLOGY CO., LTD, CN
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[25] EN
[54] **PASSIVE DEEP-OCEAN HEAVE COMPENSATION DEVICE FOR OCEAN PLATFORM DRILLING**
[54] **DISPOSITIF DE COMPENSATION DE TANGAGE PASSIF EN OCEAN PROFOND DESTINE A UNE PLATEFORME DE FORAGE EN OCEAN**
[72] LIU, QINGYOU, CN
[72] ZENG, SONG, CN
[72] ZHOU, SHOUWEI, CN
[72] MAO, LIANGJIE, CN
[72] WANG, GUORONG, CN
[71] SOUTHWEST PETROLEUM UNIVERSITY, CN
[71] CHENGDU UNIVERSITY OF TECHNOLOGY, CN
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[54] **SECURE MULTI-PARTY COMPUTATION WITH NO TRUSTED INITIALIZER**
[54] **CALCUL MULTIPARTITE SECURISE SANS INITIALISATEUR DE CONFIANCE**
[72] LI, LIANG, CN
[72] CHEN, CHAOCHAO, CN
[71] ALIBABA GROUP HOLDING LIMITED, KY
[85] 2019-10-22
[86] 2019-04-04 (PCT/CN2019/081385)
[87] (3059610)
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[54] **DEEP LEARNING-BASED TECHNIQUES FOR PRE-TRAINING DEEP CONVOLUTIONAL NEURAL NETWORKS**
[54] **TECHNIQUES BASEES SUR L`APPRENTISSAGE PROFOND D`APPRENTISSAGE PREALABLE DE RESEAUX NEURONAUX A CONVOLUTION PROFONDE**
[72] GAO,HONG, US
[72] FARH, KAI-HOW, US
[72] REDDY PADIGEPATI, SAMSKRUTHI, US
[71] ILLUMINA, INC., US
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[25] EN
[54] **EPICHAPEROME INHIBITOR THERAPY FOR TRAUMATIC BRAIN INJURY AND SEQUELAE THEREOF**
[54] **THERAPIE PAR INHIBITEUR D'EPICHAPEROME D'UNE LESION CEREBRALE TRAUMATIQUE ET DES SEQUELLES ASSOCIEES**
[72] WALLNER, BARBARA P., US
[71] SAMUS THERAPEUTICS, INC., US
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[25] EN
[54] **STORAGE STABLE QUICKSETTING COATING SYSTEM THAT IS FREE OF VOLATILE-BASE**
[54] **SYSTEME DE REVETEMENT A PRISE RAPIDE, STABLE AU STOCKAGE ET EXEMPT DE BASE VOLATILE**
[72] FABER, KATHERINE A., US
[72] WILLIAMS, DREW E., US
[72] CONNER, DAVID M., US
[72] WESTMEYER, MARK D., US
[71] ROHM AND HAAS COMPANY, US
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[25] EN
[54] **DEVICE FOR FASTENING A STEP IRON IN A CONCRETE WALL**
[54] **DISPOSITIF POUR FIXER UN ETRIER DANS UN MUR EN BETON**
[72] SCHLUSSELBAUER, ULRICH, AT
[71] SCHLUSSELBAUER, ULRICH, AT
[85] 2020-01-06
[86] 2018-06-22 (PCT/AT2018/050015)
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[30] AT (A50562/2017) 2017-07-06

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[25] EN
[54] **INFRARED ATTENUATION AGENT BLENDS**
[54] **MELANGES D'AGENTS D'ATTENUATION INFRAROUGE**
[72] HAN, XIANGMIN, US
[72] RAVENSCROFT, NIGEL, US
[72] MENDEZ-ANDINO, JOSE, US
[72] BOUDREAUX, CHASE J., US
[72] DELAVIZ, YADOLLAH (DECEASED), US
[72] GREEN, JOHN R., US
[72] ALSPAUGH, HEATHER, US
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
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[54] **CELLULAR MODELS OF AND THERAPIES FOR OCULAR DISEASES**
[54] **MODELES CELLULAIRES ET THERAPIES POUR DES MALADIES OCULAIRES**
[72] YANG, RICHARD R., CN
[72] TSANG, STEPHEN H., US
[71] REFLECTION BIOTECHNOLOGIES LIMITED, CN
[85] 2020-01-31
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[54] **INDUSTRIAL ASSET INTELLIGENCE**
[54] **INTELLIGENCE DE BIENS INDUSTRIELS**
[72] HOURNBUCKLE, BOBBY DALE, JR., US
[72] KROHN, MATTHEW HARVEY, US
[72] ROSENBERG, MARK, US
[72] MERRY, TARA, US
[72] DASU, NAREN PRADYUMNA, US
[72] CAMPOS, MARY, US
[72] GARCIA, WILLIAMS, US
[72] NUDELMAN, GRIGORY, US
[71] GE INSPECTION TECHNOLOGIES, LP, US
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[54] **ANTIMICROBIAL COMPOSITION**
[54] **COMPOSITION ANTIMICROBIENNE**
[72] LESLIE, RACHEL ANNE, US
[72] GARNER, DEWAIN, US
[72] BINGHAM, JAMES, US
[72] NEAL, TRAVIS, US
[71] GOJO INDUSTRIES, INC., US
[85] 2020-03-05
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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01)**
[25] EN
[54] **ANTI- FOLATE RECEPTOR ALPHA ANTIBODY CONJUGATES AND THEIR USES**
[54] **CONJUGUES ANTICORPS-RECEPTEUR ALPHA ANTI-FOLATE ET LEURS UTILISATIONS**
[72] STAFFORD, RYAN, US
[72] YAM, ALICE, US
[72] LI, XIAOFAN, US
[72] YIN, GANG, US
[72] KLINE, TONI, US
[72] ABRAHAMS, CRISTINA, US
[72] DE ALMEIDA, VENITA, US
[71] SUTRO BIOPHARMA, INC., US
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[25] FR
[54] **CONTINUOUS MONITORING DEVICE FOR DETECTING DEFECTS IN A SECTION OF PIPING AND A MONITORING SYSTEM FITTED WITH AT LEAST TWO MONITORING DEVICES**
[54] **DISPOSITIF DE SURVEILLANCE POUR LA DETECTION, EN CONTINU, DE DEFAUTS DANS UNE SECTION DE CANALISATION ET UN SYSTEME DE SURVEILLANCE EQUIPE D'AU MOINS DEUX DISPOSITIFS DE SURVEILLANCE**
[72] HUSS, GERARD, FR
[71] SPADE, FR
[85] 2020-03-24
[86] 2018-09-18 (PCT/IB2018/057136)
[87] (WO2019/069161)
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[51] **Int.Cl. C07F 7/28 (2006.01) C08F 4/642 (2006.01) C08F 136/06 (2006.01)**
[25] EN
[54] **BIS-IMINE TITANIUM COMPLEX, CATALYTIC SYSTEM COMPRISING SAID BIS-IMINE TITANIUM COMPLEX AND PROCESS FOR THE (CO)POLYMERIZATION OF CONJUGATED DIENES**
[54] **COMPLEXE DE BIS-IMINE TITANE, SYSTEME CATALYTIQUE COMPRENANT LEDIT COMPLEXE DE BIS-IMINE TITANE ET PROCEDE DE (CO)POLYMERISATION DE DIENES CONJUGUES**
[72] PAMPALONI, GUIDO, IT
[72] RICCI, GIOVANNI, IT
[72] SOMMAZZI, ANNA, IT
[72] GUELFI, MASSIMO, IT
[72] LEONE, GIUSEPPE, IT
[72] MASI, FRANCESCO, IT
[71] VERSALIS S.P.A., IT
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[25] EN
[54] **ANTI-CD40 ANTIBODIES FOR USE IN TREATMENT OF SJOGREN'S SYNDROME**
[54] **ANTICORPS ANTI-CD40 DESTINES A ETRE UTILISES DANS LE TRAITEMENT DU SYNDROME DE SJOGREN**
[72] ESPIE, PASCAL, CH
[72] GERGELY, PETER, CH
[72] RUSH, JAMES, CH
[71] NOVARTIS AG, CH
[85] 2020-03-24
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[25] EN
[54] **COMPOSITION FOR DIAGNOSIS AND TREATMENT OF ALCOHOLIC LIVER DISEASE, USING CHANGE IN SHORT-CHAIN FATTY ACID PRODUCING GUT BACTERIAL COMMUNITY**
[54] **COMPOSITION POUR LE DIAGNOSTIC ET LE TRAITEMENT D'UNE MALADIE HEPATIQUE ALCOOLIQUE, UTILISANT UNE COMMUNAUTE BACTERIENNE INTESTINALE PRODUISANT UN CHANGEMENT D'ACIDES GRAS A CHAINE COURTE**
[72] KO, GWANGPYO, KR
[72] SEO, BORAM, KR
[72] KIM, WOON KI, KR
[72] JEON, KYUNGCHAN, KR
[71] KOBIOLABS, INC, KR
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[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/53 (2020.01)**
[25] EN
[54] **AEROSOL GENERATING DEVICE HAVING HEATER**
[54] **DISPOSITIF GENERATEUR D'AEROSOL AVEC CORPS DE CHAUFFE**
[72] LIM, HUN IL, KR
[72] KIM, TAE HUN, KR
[72] HAN, JUNG HO, KR
[72] PARK, SANG KYU, KR
[71] KT&G CORPORATION, KR
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[30] KR (10-2018-0055652) 2018-05-15

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[25] EN
[54] **DRILLING RIG SOFTWARE SYSTEM CONTROLS RIG EQUIPMENT TO AUTOMATE ROUTINE DRILLING PROCESSES**
[54] **SYSTEME LOGICIEL D'APPAREIL DE FORAGE COMMANDANT UN EQUIPEMENT D'APPAREIL DE FORAGE POUR AUTOMATISER DES PROCESSUS DE FORAGE DE ROUTINE**
[72] GRIMBERG, EDGAR, US
[72] EILERSTEN, GAUTE, US
[72] WONG, COLE, US
[71] NATIONAL OILWELL VARCO, INC., US
[85] 2020-03-24
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[51] **Int.Cl. E21B 43/25 (2006.01) E21B 47/06 (2012.01) E21B 47/12 (2012.01)**
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[54] **MULTI-ZONE ACTUATION SYSTEM USING WELLBORE DARTS**
[54] **SYSTEME D'ACTIONNEMENT MULTI-ZONE UTILISANT DES CLAPETS DE PUITS DE FORAGE**
[72] FRIPP, MICHAEL LINLEY, US
[72] WALTON, ZACHARY WILLIAM, US
[72] MERRON, MATTHEW JAMES, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-03-24
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[51] **Int.Cl. E05B 17/00 (2006.01) E05B 65/10 (2006.01)**
[25] EN
[54] **DOOR HARDWARE NOISE REDUCTION AND EVALUATION**
[54] **REDUCTION ET EVALUATION DE BRUIT DE MATERIEL POUR PORTE**
[72] MCKIBBEN, AARON P., US
[72] MUSSELMAN, GREGORY, US
[72] EICKHOFF, BRIAN C., US
[72] MILLER, BENJAMIN L., US
[72] ARLINGHAUS, PAUL R., US
[72] MANI, VIJAYAKUMAR, IN
[72] MOHAMMED, SAAGAR, IN
[71] SCHLAGE LOCK COMPANY LLC, US
[85] 2020-03-24
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[30] US (62/542,758) 2017-08-08
[30] US (62/545,898) 2017-08-15
[30] US (62/667,807) 2018-05-07

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[25] EN
[54] **OLIGOMERIZATION REACTIONS USING ALUMINOXANES**
[54] **REACTIONS D'OLIGOMERISATION UTILISANT DES ALUMINOXANES**
[72] BISCHOF, STEVEN, US
[72] FERN, JARED T., US
[72] KILGORE, URIAH J., US
[72] SYDORA, ORSON L., US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
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[30] US (15/719,107) 2017-09-28

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[13] A1
[51] **Int.Cl. C09K 8/584 (2006.01) C09K 8/60 (2006.01) E21B 43/16 (2006.01)**
[25] EN
[54] **POLYALKOXYLATED ALCOHOLS FOR POST-CHOPS OILFIELD RECOVERY**
[54] **ALCOOLS POLYALCOXYLES POUR LA RECUPERATION DE CHAMP PETROLIFERE POST-CHOPS**
[72] HASSAN, ABU MOKHTARUL, US
[72] MUKHERJEE, BIPLAB, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-03-24
[86] 2018-09-26 (PCT/US2018/052787)
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[30] US (62/564,606) 2017-09-28

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[54] **COMPOSITES FILM POLYMERE-METAL**
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[72] ZHANG, XUEFENG, CA
[72] MORTON, KEITH, CA
[72] VERES, TEODOR, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
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[72] TENDER, LEONARD M., US
[72] GOLDEN, JOEL P., US
[72] QUAID, ANDREW J., US
[72] MARTENS, IAN, US
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[54] **PHARMACEUTICAL FORMS OF DIAZABICYCLOOCTANE DERIVATIVES AND PROCESS FOR PRODUCING THE SAME**
[54] **FORMES PHARMACEUTIQUES DE DERIVES DE DIAZABICYCLOOCTANE ET LEUR PROCEDE DE PRODUCTION**
[72] YANG, KEWEI, CH
[71] FEDORA PHARMACEUTICALS INC., CA
[71] MEIJI SEIKA PHARMA CO., LTD., JP
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[54] **LIQUID DOSAGE FORMS, METHODS OF MAKING AND USE**
[54] **FORMES PHARMACEUTIQUES LIQUIDES, PROCEDES DE PREPARATION ET UTILISATION**
[72] GEILING, BEN, CA
[72] SHIPLEY, TOM, CA
[71] CANOPY GROWTH CORPORATION, CA
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[54] **ANTI-BCMA ANTIBODY HAVING HIGH AFFINITY FOR BCMA AND PHARMACEUTICAL COMPOSITION FOR TREATMENT OF CANCER, COMPRISING SAME**
[54] **ANTICORPS ANTI-BCMA AYANT UNE AFFINITE ELEVEE POUR BCMA ET COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT DU CANCER, COMPRENANT CELUI-CI**
[72] CHOI, HYE-JI, KR
[72] PARK, JAE-CHAN, KR
[72] LIM, HYUNG-KWON, KR
[71] MOGAM INSTITUTE FOR BIOMEDICAL RESEARCH, KR
[71] GREEN CROSS CORPORATION, KR
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[54] **SYSTEM AND METHOD FOR DISPLAYING A 2-VIEWPOINT AUTOSTEREOSCOPIC IMAGE ON AN N-VIEWPOINT AUTOSTEREOSCOPIC DISPLAY SCREEN AND METHOD FOR MONITORING THE DISPLAY ON SUCH A DISPLAY SCREEN**
[54] **SYSTEME ET PROCEDE D'AFFICHAGE D'UNE IMAGE AUTOSTEREOSCOPIQUE A 2 POINTS DE VUE SUR UN ECRAN D'AFFICHAGE AUTOSTEREOSCOPIQUE A N POINTS DE VUE ET PROCEDE DE CONTROLE D'AFFICHAGE SUR UN TEL ECRAN D'AFFICHAGE**
[72] ALLIO, PIERRE, FR
[72] MAINGREAUD, FLAVIEN, FR
[71] ALIOSCOPY, FR
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[54] **COMPOSITIONS AND METHODS FOR TREATING OPHTHALMIC CONDITIONS**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE TROUBLES OPHTALMIQUES**
[72] RIGAS, BASIL, US
[71] MEDICON PHARMACEUTICALS, INC., US
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[54] **JOINT TAPE EMBEDDING APPARATUS, SYSTEM, AND METHOD**
[54] **APPAREIL, SYSTEME ET PROCEDE D'INCLUSION D'UNE BANDE DE JOINTEMENT**
[72] PELOT, DAVID D., US
[72] RAGO, WILLIAM J., US
[72] COCHRAN, CHARLES W., US
[72] EMAMI, SAMAR, US
[71] UNITED STATES GYPSUM COMPANY, US
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[54] **APPARATUS, SYSTEMS, AND METHODS FOR DETERMINING THE CONCENTRATION OF MICROORGANISMS AND THE SUSCEPTIBILITY OF MICROORGANISMS TO ANTI-INFECTIVES BASED ON REDOX REACTIONS**
[54] **APPAREILS, SYSTEMES ET PROCEDES DE DETERMINATION DE LA CONCENTRATION DE MICRO-ORGANISMES ET DE LA SENSIBILITE DES MICRO-ORGANISMES AUX ANTI-INFECTIEUX, FONDES SUR DES REACTIONS D'OXYDOREDUCTION**
[72] KNOPFMACHER, OREN S., US
[72] HERGET, MEIKE, US
[72] RAJAN, NITIN K., US
[72] LAUFER, MICHAEL D., US
[71] AVAILS MEDICAL, INC., US
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[54] **MIRNA DETARGETING SYSTEM FOR TISSUE SPECIFIC INTERFERENCE**
[54] **SYSTEME DE DECIBLAGE DE MIARN POUR INTERFERENCE SPECIFIQUE D'UN TISSU**
[72] HARPER, SCOTT QUENTON, US
[71] RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL, US
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[54] **TRANSPORTING DEVICE, STORAGE SYSTEM AND METHOD OF RELOCATING A TRANSPORTING DEVICE**
[54] **DISPOSITIF DE TRANSPORT, SYSTEME DE STOCKAGE, ET PROCEDE DE REPOSITIONNEMENT D'UN DISPOSITIF DE TRANSPORT**
[72] INGRAM-TEDD, ANDREW JOHN, GB
[72] SHARP, DAVID, GB
[72] ZAMMIT, JOSEPH, GB
[72] THOMAS, BEN, GB
[72] CLARK, SEAN, GB
[72] DEACON, GRAHAM, GB
[71] OCADO INNOVATION LIMITED, GB
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[54] **OBJECT HANDLING COORDINATION SYSTEM AND METHOD OF RELOCATING A TRANSPORTING VESSEL**
[54] **SYSTEME DE COORDINATION DE MANUTENTION D'OBJETS ET PROCEDE DE REPOSITIONNEMENT D'UN RECIPIENT DE TRANSPORT**
[72] SHARP, DAVID, GB
[72] ZAMMIT, JOSEPH, GB
[72] WATKINS, RICHARD, GB
[72] CAMPBELL, MICHAEL, GB
[71] OCADO INNOVATION LIMITED, GB
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[54] **MEDICAL PRESSURE THERAPY DEVICE AND COMPONENTS THEREOF**
[54] **DISPOSITIF MEDICAL DE THERAPIE PAR PRESSION ET SES ELEMENTS**
[72] LAASANEN, JUHO, NO
[72] TUONONEN, SANNA, NO
[72] RANTANEN, PETRI, NO
[72] RASMUSSEN, JOACHIM, NO
[72] ERLANDSEN, ANDREAS, NO
[72] PETTERSEN, JAKOB, NO
[72] ANDRESEN, MARIUS, NO
[72] MATHIESEN, IACOB, NO
[72] KRISTJANSSON, ARNAR, NO
[72] ELDERSTIERN, JONAS, NO
[72] ULVEGARD, HANNES, NO
[72] BRAKHYA, RONNY, NO
[72] AXELSSON, ROBERT, NO
[71] OTIVIO AS, NO
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[54] **PRODUITS DU TYPE BRASSICACEAE CONTENANT DE L'ISOTHIOCYANATE ET LEUR PROCEDE DE PREPARATION**
[72] AUGUSTIN, MARY ANN, AU
[72] SHIFERAW TEREFE, NETSANET, AU
[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
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[72] PRUJA, DANIEL, BR
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[72] RAATIKAINEN, JUHA, FI
[71] ABLOY OY, FI
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[54] **GAINE D'UN CABLE STRUCTUREL COMPRENANT DES COMPOSANTS CHAUFFANTS**
[72] ERDOGAN,JULIEN, FR
[72] CROS, EMMANUEL, FR
[72] FABRY, NICOLAS, FR
[72] SARRAF, RIAD, FR
[71] SOLETANCHE FREYSSINET, FR
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[54] **BARRIER FILM WITH ENHANCED FORMABILITY AND A METHOD FOR MAKING THEREOF**
[54] **FILM BARRIERE A FORMABILITE AMELIOREE ET SON PROCEDE DE FABRICATION**
[72] VERIN, SERGEY VLADIMIROVICH, RU
[72] KOSTRUB, VLADIMIR VLADIMIROVICH, RU
[72] BIRYUKOV, VADIM YURIEVICH, RU
[72] BURYKIN, IGOR VLADIMIROVICH, RU
[72] GOLYANSKIY, BORIS VLADIMIROVICH, RU
[71] OBSCHESTVO S OGRANICHENNOI OTVETSTVENNOSTYU "PROIZVODSTVENNO-KOMMERCHESKAYA FIRMA "ATLANTIS-PAK", RU
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[54] **EMULSION DE POMME DE TERRE**
[72] TORNBERG, EVA, SE
[71] VEG OF LUND AB, SE
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[54] **METHODE IN VITRO D'ADMINISTRATION D'ARNM A L'AIDE DE NANOPARTICULES LIPIDIQUES**
[72] STEWART, MORAG HELEN, US
[72] VALLASTER, MARKUS PARZIVAL, US
[72] MONTI, ANTHONY, US
[72] NARENDRA, POOJA KYATSANDRA, US
[72] HO, QUAN, US
[71] INTELLIA THERAPEUTICS, INC., US
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[54] **MATERIAUX DE CONSTRUCTION COMPOSITES EN FIBRES NATURELLES**
[72] FELTON, COLIN, US
[72] SHRESTHA, DEEPAK, US
[72] PALMER, PAUL, US
[71] PANELSHAKE CORP., US
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[54] **RECOMBINANT COLLAGEN AND ELASTIN MOLECULES AND USES THEREOF**
[54] **COLLAGENE RECOMBINANT ET MOLECULES D'ELASTINE, AINSI QUE LEURS UTILISATIONS**
[72] OUZOUNOV, NIKOLAY, US
[72] LORESTANI, ALEXANDER, US
[72] BHATIA, MONICA, US
[71] GELTOR, INC., US
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[54] **SYSTEMS FOR SYNTHETIC APERTURE RADAR TRANSMIT AND RECEIVE ANTENNAS**
[54] **SYSTEMES POUR ANTENNES D'EMISSION ET DE RECEPTION RADAR A OUVERTURE SYNTHETIQUE**
[72] DEVARAJ, KIRUTHIKA, US
[72] LEE, MING-CHUN PAUL, US
[71] PLANET LABS INC., US
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[54] **POLYMERES DE POLY(ARYL PIPERIDINIUM) COMPRENANT CEUX AYANT DES GROUPES PENDANTS CATIONIQUES STABLES POUR UNE UTILISATION EN TANT QUE MEMBRANES ECHANGEUSES D'ANIONS ET IONOMERES**
[72] YAN, YUSHAN, US
[72] HU, KEDA, US
[72] WANG, JUNHUA, US
[72] WANG, LAN, US
[72] XU, BINGJUN, US
[72] ZHAO, YUN, US
[71] YAN, YUSHAN, US
[71] HU, KEDA, US
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[54] **DISPOSITIF DE LOGEMENT DE CELLULES**
[72] THANOS, CHRISTOPHER, US
[72] LAVIN, DANYA M., US
[72] BINTZ, BRIANNAN E., US
[72] BHATNAGAR, DIVYA, US
[72] MILLS, JOHN, US
[72] BILLINGS, MEGAN, US
[71] SEMMA THERAPEUTICS, INC., US
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[72] GARDNER, NOAH PAUL, US
[72] SHAH, RUCHI RUDRAPRASAD, US
[72] SCULLY, STEPHEN S., US
[72] MAJZOUB, RAMSEY, US
[71] INTELLIA THERAPEUTICS, INC., US
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[54] **CENTRALE ELECTRIQUE PHOTOVOLTAIQUE**
[72] SHUY, GEOFFREY WEN-TAI, TW
[72] LIAO, JAU-DAR, TW
[72] LAI, HSIN-CHEN, TW
[72] CHUNG, FENG-TSE, TW
[72] HAN, HSIU-WEN, TW
[71] LT LIGHTING (TAIWAN) CORPORATION, TW
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[25] FR
[54] **CONSTRUCTION SYSTEM FOR A BUILDING MODULE**
[54] **SYSTEME DE CONSTRUCTION POUR UN MODULE D'UN BATIMENT**
[72] USTINOV, IGOR, CH
[71] UHCS PROPERTY SA, CH
[85] 2020-03-26
[86] 2018-09-28 (PCT/EP2018/076538)
[87] (WO2019/063828)
[30] CH (01195/17) 2017-09-29

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[51] **Int.Cl. A01K 67/027 (2006.01) C07K 14/47 (2006.01)**
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[54] **NON-HUMAN ANIMALS EXPRESSING HUMANIZED C1Q COMPLEX**
[54] **ANIMAUX NON HUMAINS EXPRIMANT UN COMPLEXE C1Q HUMANISE**
[72] PRASAD, BRINDA, US
[72] TU, NAXIN, US
[72] MEAGHER, KAROLINA, US
[72] MACDONALD, LYNN, US
[72] MURPHY, ANDREW, US
[72] STEVENS, SEAN, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2020-03-30
[86] 2018-09-27 (PCT/US2018/053099)
[87] (WO2019/067706)
[30] US (62/565,438) 2017-09-29

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[51] **Int.Cl. C09K 8/582 (2006.01) E21B 7/04 (2006.01) E21B 43/12 (2006.01) E21B 43/14 (2006.01) E21B 43/16 (2006.01) E21B 43/22 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **MICROBIAL ENHANCED OIL RECOVERY IN WELL BORE VIA RADIAL DRILLING TO CREATE A LOW-PRESSURE ZONE**
[54] **RECUPERATION AUGMENTEE PAR VOIE MICROBIENNE DE PETROLE DANS UN PUITS DE FORAGE PAR FORAGE RADIAL POUR CREER UNE ZONE BASSE PRESSION**
[72] GERBINO, KENNETH J., US
[72] HILL, COLIN KENNETH, US
[71] TITAN OIL RECOVERY, INC., US
[85] 2020-03-30
[86] 2018-09-29 (PCT/US2018/053662)
[87] (WO2019/068057)
[30] US (62/565,197) 2017-09-29
[30] US (16/145,853) 2018-09-28

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[51] **Int.Cl. G06Q 50/00 (2012.01)**
[25] EN
[54] **METHOD FOR ENHANCING PATIENT COMPLIANCE WITH A MEDICAL THERAPY PLAN AND MOBILE DEVICE THEREFOR**
[54] **PROCEDE D'AMELIORATION DE L'OBSERVANCE D'UN PATIENT VIS-A-VIS D'UN PLAN DE THERAPIE MEDICALE ET DISPOSITIF MOBILE ASSOCIE**
[72] SY, BON K., US
[71] SIPPA SOLUTIONS, LLC, US
[85] 2020-03-30
[86] 2018-10-01 (PCT/US2018/053748)
[87] (WO2019/068086)
[30] US (62/565,812) 2017-09-29

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[51] **Int.Cl. A61K 31/496 (2006.01) A61K 9/127 (2006.01) A61K 31/573 (2006.01)**
[25] EN
[54] **INHALABLE COMPOSITION OF CLOFAZIMINE AND METHODS OF USE THEREOF**
[54] **COMPOSITION A INHALER DE CLOFAZIMINE ET LEURS METHODES D'UTILISATION**
[72] SMYTH, HUGH, US
[72] BRUNAUGH, ASHLEE, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2020-03-30
[86] 2018-10-02 (PCT/US2018/053947)
[87] (WO2019/070693)
[30] US (62/566,633) 2017-10-02

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[13] A1
[51] **Int.Cl. C07C 15/00 (2006.01) C12Q 1/44 (2006.01) G01N 33/58 (2006.01)**
[25] EN
[54] **PROBE FOR SELECTIVELY CHARACTERIZING ENZYMES INVOLVED IN XENOBIOTIC METABOLISM AND METHOD OF MAKING AND USING THE SAME**
[54] **SONDE POUR CARACTERISER SELECTIVEMENT DES ENZYMES IMPLIQUEES DANS LE METABOLISME XENOBIOTIQUE ET SON PROCEDE DE FABRICATION ET D'UTILISATION**
[72] WRIGHT, AARON T., US
[72] RAMOS-HUNTER, SUSAN, US
[72] WHIDBEY, CHRISTOPHER, US
[71] BATTELLE MEMORIAL INSTITUTE, US
[85] 2020-03-30
[86] 2018-10-03 (PCT/US2018/054242)
[87] (WO2019/070906)
[30] US (62/568,151) 2017-10-04
[30] US (62/591,697) 2017-11-28

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[13] A1
[51] **Int.Cl. F16K 31/18 (2006.01) F16K 1/34 (2006.01) F16K 31/126 (2006.01)**
[25] EN
[54] **DISCHARGE VALVE SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE SOUPAPE DE REFOULEMENT**
[72] LE, TUAN, US
[72] HAN, JOSEPH, US
[71] FLUIDMASTER, INC., US
[85] 2020-03-30
[86] 2018-10-03 (PCT/US2018/054267)
[87] (WO2019/070922)
[30] US (62/567,653) 2017-10-03

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[51] **Int.Cl. C07K 14/47 (2006.01) A61K 48/00 (2006.01) C12N 15/62 (2006.01) C12N 15/74 (2006.01) C12N 15/81 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **MULTIVALENT ANTIGENS STIMULATING TH1 AND TH2**
[54] **ANTIGENES MULTIVALENTS STIMULANT TH1 ET TH2**
[72] SOON-SHIONG, PATRICK, US
[72] NIAZI, KAYVAN, US
[71] NANTCELL, INC., US
[85] 2020-03-30
[86] 2018-10-04 (PCT/US2018/054451)
[87] (WO2019/071032)
[30] US (62/568,786) 2017-10-05

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[51] **Int.Cl. C09D 133/08 (2006.01) C09D 7/61 (2018.01) B05D 7/24 (2006.01) C08F 2/50 (2006.01) C08F 20/18 (2006.01) C08L 33/08 (2006.01) C09D 4/06 (2006.01)**
[25] EN
[54] **ACRYLIC EMULSIONS MODIFIED WITH FUNCTIONAL (METH)ACRYLATES TO ENABLE CROSSLINKING**
[54] **EMULSIONS ACRYLIQUES MODIFIEES PAR DES (METH)ACRYLATES FONCTIONNELS POUR PERMETTRE LA RETICULATION**
[72] GOODRICH, JAMES E., US
[72] NUNEZ, JUAN G., US
[71] MIWON NORTH AMERICA INCORPORATED, US
[85] 2020-03-30
[86] 2018-10-10 (PCT/US2018/055180)
[87] (WO2019/075037)
[30] US (62/571,314) 2017-10-12
[30] US (16/154,069) 2018-10-08

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[51] **Int.Cl. C12N 15/113 (2010.01) C12N 15/864 (2006.01)**
[25] EN
[54] **TREATMENT OF AMYOTROPHIC LATERAL SCLEROSIS (ALS)**
[54] **TRAITEMENT DE LA SCLEROSE LATERALE AMYOTROPHIQUE (SLA)**
[72] SAH, DINAH WEN-YEE, US
[72] CHEN, QINGMIN, US
[72] COATES, JOAN R., US
[72] PATZKE, HOLGER, US
[72] HOU, JINZHAO, US
[71] VOYAGER THERAPEUTICS, INC., US
[71] THE CURATORS OF THE UNIVERSITY OF MISSOURI, US
[85] 2020-03-30
[86] 2018-10-16 (PCT/US2018/055999)
[87] (WO2019/079240)
[30] US (62/572,702) 2017-10-16

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[51] **Int.Cl. E06B 7/21 (2006.01) E04B 2/74 (2006.01) E05B 65/08 (2006.01) E06B 3/46 (2006.01) E06B 7/20 (2006.01) E06B 7/215 (2006.01) E06B 7/23 (2006.01)**
[25] EN
[54] **DOOR WITH ACOUSTIC SEALS**
[54] **PORTE A JOINTS ACOUSTIQUES**
[72] GOSLING, GEOFF, CA
[72] BROWN, THOMAS A., CA
[72] VULIC, JOSEPH ANTHONY, CA
[71] DIRTT ENVIRONMENTAL SOLUTIONS, LTD., US
[85] 2020-03-30
[86] 2019-01-23 (PCT/US2019/014831)
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[13] A1
[51] **Int.Cl. A61K 39/10 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **BORDETELLA STRAINS EXPRESSING SEROTYPE 3 FIMBRIAE**
[54] **SOUCHES DE BORDETELLA EXPRIMANT DES FIMBRIAE DE SEROTYPE 3**
[72] DEBRIE, ANNE-SOPHIE, FR
[72] RAZE, DOMINIQUE, FR
[72] LOCHT, CAMILLE, FR
[71] INSTITUT PASTEUR DE LILLE, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
[85] 2020-04-07
[86] 2018-10-18 (PCT/EP2018/078522)
[87] (WO2019/077028)
[30] US (62/574,068) 2017-10-18

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[51] **Int.Cl. C12Q 1/34 (2006.01) G01N 33/92 (2006.01)**
[25] EN
[54] **BILE SALT HYDROLASE PROBE AND METHOD OF MAKING AND USING THE SAME**
[54] **SONDE POUR BSH (BILE SALT HYDROLASE), SON PROCEDE DE PREPARATION ET D'UTILISATION**
[72] WRIGHT, AARON T., US
[72] BRANDVOLD, KRISTOFFER R., US
[72] RAMOS-HUNTER, SUSAN J., US
[71] BATTELLE MEMORIAL INSTITUTE, US
[85] 2020-04-07
[86] 2018-10-12 (PCT/US2018/055666)
[87] (WO2019/075365)
[30] US (62/571,941) 2017-10-13

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[51] **Int.Cl. H04N 13/156 (2018.01) H04N 13/366 (2018.01) B64D 45/00 (2006.01) H04N 7/18 (2006.01)**
[25] EN
[54] **COMBINING SYNTHETIC IMAGERY WITH REAL IMAGERY FOR VEHICULAR OPERATIONS**
[54] **COMBINAISON D'IMAGES SYNTHETIQUES AVEC DES IMAGES REELLES POUR DES OPERATIONS DE VEHICULE**
[72] VOISIN, PAUL ALBERT, US
[71] L3 TECHNOLOGIES, INC., US
[85] 2020-03-31
[86] 2018-10-03 (PCT/US2018/054187)
[87] (WO2019/070869)
[30] US (15/724,667) 2017-10-04

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[13] A1
[51] **Int.Cl. H01Q 5/321 (2015.01) H01Q 5/378 (2015.01) H01Q 1/36 (2006.01) H01Q 13/10 (2006.01)**
[25] EN
[54] **LOW COST HIGH PERFORMANCE MULTIBAND CELLULAR ANTENNA WITH CLOAKED MONOLITHIC METAL DIPOLE**
[54] **ANTENNE CELLULAIRE MULTIBANDE PEU COUTEUSE HAUTE PERFORMANCE DOTEE D'UN DIPOLE METALLIQUE MONOLITHIQUE MASQUE**
[72] SUNDARARAJAN, NIRAJAN, US
[72] BUONDELMONTE, CHARLES, US
[72] LITTEER, ANDREW, US
[72] CHEN, WENGANG, US
[71] JOHN MEZZALINGUA ASSOCIATES, LLC D/B/A JMA WIRELESS, US
[85] 2020-03-27
[86] 2018-10-25 (PCT/US2018/057453)
[87] (WO2019/084232)
[30] US (62/577,407) 2017-10-26

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[13] A1
[51] **Int.Cl. A01N 43/84 (2006.01) A01N 25/02 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **FLUMIOXAZIN COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS DE FLUMIOXAZINE ET PROCEDES D'UTILISATION DE CES COMPOSITIONS**
[72] ZHOU, KE, US
[71] VALENT U.S.A. LLC, US
[85] 2020-03-24
[86] 2018-09-25 (PCT/US2018/052566)
[87] (WO2019/067404)
[30] US (62/565,994) 2017-09-29

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[13] A1
[51] **Int.Cl. H02K 7/075 (2006.01) H02K 33/16 (2006.01)**
[25] EN
[54] **ELECTROMAGNETIC MOTOR**
[54] **MOTEUR ELECTROMAGNETIQUE**
[72] BRANDT, VILI, SI
[71] BRANDT, VILI, SI
[85] 2020-03-27
[86] 2017-09-27 (PCT/SI2017/000029)
[87] (WO2019/066730)

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[13] A1
[51] **Int.Cl. B63B 15/00 (2006.01)**
[25] EN
[54] **SAIL CONSTRUCTION**
[54] **CONSTRUCTION DE VOILE**
[72] □IFRER, ERIK, SI
[72] SIFRER, ERIK, SI
[71] MIDES DESIGN D.O.O., SI
[85] 2020-03-27
[86] 2018-01-25 (PCT/IB2018/050470)
[87] (WO2018/224892)
[30] SI (P-201700162) 2017-06-08

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[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) A61K 35/12 (2015.01) G01N 33/48 (2006.01)**
[25] EN
[54] **ESOPHAGEAL TISSUE AND/OR ORGANOID COMPOSITIONS AND METHODS OF MAKING SAME**
[54] **COMPOSITIONS DE TISSUS OESOPHAGIENS ET/OU D'ORGANOIDES ET LEURS PROCEDES DE FABRICATION**
[72] WELLS, JAMES M., US
[72] TRISNO, STEPHEN, US
[71] CHILDREN'S HOSPITAL MEDICAL CENTER, US
[85] 2020-03-31
[86] 2018-10-05 (PCT/US2018/054635)
[87] (WO2019/074793)
[30] US (62/570,182) 2017-10-10

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[13] A1
[51] **Int.Cl. A61G 3/08 (2006.01) B60P 3/06 (2006.01)**
[25] EN
[54] **MOBILITY DEVICE RESTRAINING APPARATUS**
[54] **APPAREIL DE RETENUE DE DISPOSITIF DE MOBILITE**
[72] PETTIGREW, MARK, US
[72] EVANS, MICHAEL, US
[72] MICHELS, LARRY DEAN, US
[72] TURPIN, LUKE, US
[71] B&D INDEPENDENCE, US
[85] 2020-03-27
[86] 2018-10-09 (PCT/US2018/054949)
[87] (WO2019/079060)
[30] US (62/573,948) 2017-10-18

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[13] A1
[51] **Int.Cl. A61K 31/23 (2006.01) A61P 31/10 (2006.01) C12N 1/16 (2006.01) C12Q 1/18 (2006.01)**
[25] EN
[54] **METHOD TO TREAT ANTIMICROBIAL RESISTANT CANDIDA**
[54] **PROCEDE DE TRAITEMENT DE CANDIDA RESISTANT AUX ANTIMICROBIENS**
[72] SCHLIEVERT, PATRICK M., US
[72] PETERSON, MARNIE L., US
[71] HENNEPIN LIFE SCIENCES, LLC, US
[85] 2020-03-30
[86] 2018-10-11 (PCT/US2018/055346)
[87] (WO2019/079089)
[30] US (62/572,669) 2017-10-16

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[13] A1
[51] **Int.Cl. G02B 27/01 (2006.01) G02B 30/27 (2020.01) G02B 27/18 (2006.01) G09F 9/33 (2006.01) G09G 5/377 (2006.01)**
[25] EN
[54] **AUGMENTED REALITY DISPLAY COMPRISING EYEPIECE HAVING A TRANSPARENT EMISSIVE DISPLAY**
[54] **VISIOCASQUE DE REALITE AUGMENTEE COMPRENANT UN OCULAIRE A AFFICHEUR EMISSIF TRANSPARENT**
[72] EDWIN, LIONEL ERNEST, US
[72] YEOH, IVAN LI CHUEN, US
[71] MAGIC LEAP, INC., US
[85] 2020-03-27
[86] 2018-10-11 (PCT/US2018/055457)
[87] (WO2019/075231)
[30] US (62/571,203) 2017-10-11

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[13] A1
[51] **Int.Cl. C07C 309/82 (2006.01) A61K 31/506 (2006.01) A61P 31/04 (2006.01) C07D 417/12 (2006.01)**
[25] EN
[54] **AZTREONAM DERIVATIVES AND USES THEREOF**
[54] **DERIVES D'AZTREONAM ET UTILISATIONS ASSOCIEES**
[72] GORDON, ERIC M., US
[72] DUNCTON, MATTHEW A. J., US
[72] FREUND, JOHN, US
[71] ARIXA PHARMACEUTICALS, INC., US
[85] 2020-03-30
[86] 2018-10-01 (PCT/US2018/053778)
[87] (WO2019/070595)
[30] US (62/566,909) 2017-10-02

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[13] A1
[51] **Int.Cl. A61M 15/00 (2006.01) A61M 11/00 (2006.01) A61M 15/02 (2006.01)**
[25] EN
[54] **ELECTRONIC BREATH ACTUATED IN-LINE DROPLET DELIVERY DEVICE AND METHODS OF USE**
[54] **DISPOSITIF ELECTRONIQUE D'ADMINISTRATION DE GOUTTELETTES DE FORME LINEAIRE ACTIONNE PAR LA RESPIRATION ET PROCEDES D'UTILISATION**
[72] HEBRANK JOHN H., US
[72] HUNTER, CHARLES ERIC, US
[72] MAURER, CHRISTOPHEN W., US
[72] LI, CHENGJIE, US
[72] GERMINARIO, LOUIS THOMAS, US
[71] PNEUMA RESPIRATORY, INC., US
[85] 2020-03-30
[86] 2018-10-04 (PCT/US2018/054417)
[87] (WO2019/071008)
[30] US (62/568.057) 2017-10-04
[30] US (62/575,165) 2017-10-20
[30] US (62/622,022) 2018-01-25
[30] US (62/732,455) 2018-09-17

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[13] A1
[51] **Int.Cl. G01D 5/26 (2006.01) G02B 6/293 (2006.01) H01S 3/094 (2006.01)**
[25] EN
[54] **TAILOR DISTRIBUTED AMPLIFICATION FOR FIBER SENSING**
[54] **AMPLIFICATION DISTRIBUEE PERSONNALISEE POUR DETECTION DE FIBRE**
[72] ROWAN, EITAN, IL
[72] INBAR, ERAN, IL
[71] PRISMA PHOTONICS LTD., IL
[85] 2020-03-30
[86] 2018-09-26 (PCT/IL2018/051070)
[87] (WO2019/064302)
[30] IL (254803) 2017-09-29

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/11 (2006.01)**
[25] EN
[54] **MACHINE LEARNING BASED SYSTEM FOR IDENTIFYING AND MONITORING NEUROLOGICAL DISORDERS**
[54] **SYSTEME BASE SUR L'APPRENTISSAGE MACHINE POUR IDENTIFIER ET SUIVRE DES TROUBLES NEUROLOGIQUES**
[72] RAO, SATISH, US
[72] WILDER, MATTHEW, US
[71] RAO, SATISH, US
[71] WILDER, MATTHEW, US
[85] 2020-03-30
[86] 2018-10-17 (PCT/US2018/056320)
[87] (WO2019/079475)
[30] US (62/573,622) 2017-10-17
[30] US (16/162,711) 2018-10-17

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[13] A1
[51] **Int.Cl. C14C 1/06 (2006.01) A61Q 9/04 (2006.01) C11D 3/386 (2006.01) C12N 9/50 (2006.01)**
[25] EN
[54] **REMOVAL OF BIOLOGICAL DEPOSITS**
[54] **ELIMINATION DE DEPOTS ORGANIQUES**
[72] SPEIGHT, ROBERT, AU
[72] NAVONE, LAURA, AU
[71] MEAT & LIVESTOCK AUSTRALIA LTD, AU
[71] QUEENSLAND UNIVERSITY OF TECHNOLOGY, AU
[85] 2020-03-30
[86] 2018-06-25 (PCT/AU2018/050639)
[87] (WO2019/068133)
[30] AU (2017904042) 2017-10-06

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[13] A1
[51] **Int.Cl. A47K 3/28 (2006.01) H05B 45/00 (2020.01) E03B 7/04 (2006.01) E03C 1/02 (2006.01) F16K 11/00 (2006.01) F16K 31/02 (2006.01) G09F 19/12 (2006.01)**
[25] EN
[54] **USER INTERFACE FOR CONTROLLING A SHOWER SYSTEM**
[54] **INTERFACE UTILISATEUR DE COMMANDE D'UN SYSTEME DE DOUCHE**
[72] SONG, KI BOK, US
[72] L'HENAFF, JEAN-JACQUES, US
[72] REINECKER, GREG, US
[71] AS AMERICA, INC., US
[85] 2020-03-30
[86] 2018-10-17 (PCT/US2018/056215)
[87] (WO2019/079393)
[30] US (62/573,575) 2017-10-17

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[13] A1
[51] **Int.Cl. B43K 8/00 (2006.01) B43K 5/00 (2006.01) B43K 7/00 (2006.01) B43K 19/14 (2006.01) B43K 21/00 (2006.01)**
[25] EN
[54] **WRITING, DRAWING, MARKING AND/OR COSMETIC DEVICE**
[54] **APPAREIL A ECRIRE, A DESSINER, A MARQUER ET/OU APPAREIL COSMETIQUE**
[72] WEISS, PETER, DE
[72] SCHULZE, MICHAEL, DE
[71] STAEDTLER MARS GMBH & CO. KG, DE
[85] 2020-03-30
[86] 2018-09-12 (PCT/EP2018/074567)
[87] (WO2019/068440)
[30] DE (DE 10 2017 009 364.4) 2017-10-04

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/19 (2006.01) A61K 31/683 (2006.01) A61K 47/40 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING AN RNA POLYMERASE INHIBITOR AND CYCLODEXTRIN FOR TREATING VIRAL INFECTIONS**
[54] **COMPOSITIONS COMPRENANT UN INHIBITEUR D'ARN POLYMERASE ET DE LA CYCLODEXTRINE POUR LE TRAITEMENT D'INFECTIONS VIRALES**
[72] LARSON, NATE, US
[71] GILEAD SCIENCES INC., US
[85] 2020-03-30
[86] 2018-07-10 (PCT/US2018/041482)
[87] (WO2019/014247)
[30] US (62/530,971) 2017-07-11

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[13] A1
[51] **Int.Cl. A61B 1/005 (2006.01) A61B 1/00 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING AN ENDOSCOPE INSERTION TUBE, AND ENDOSCOPE HAVING AN INSERTION TUBE**
[54] **PROCEDE POUR LA FABRICATION D'UN TUYAU D'INTRODUCTION D'UN ENDOSCOPE ET ENDOSCOPE PRESENTANT UN TUYAU D'INTRODUCTION**
[72] DO, ANH MINH, DE
[72] VIEBACH, THOMAS, DE
[71] HOYA CORPORATION, JP
[85] 2020-03-30
[86] 2018-10-15 (PCT/IB2018/001155)
[87] (WO2019/077402)
[30] DE (10 2017 123 975.8) 2017-10-16

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[13] A1
[51] **Int.Cl. F16K 7/12 (2006.01) F16K 27/02 (2006.01) F16K 47/08 (2006.01)**
[25] EN
[54] **BALANCED ACTIVATION FORCE AND BISTABLE VALVE SYSTEM AND METHOD**
[54] **FORCE D'ACTIVATION EQUILIBREE ET SYSTEME ET PROCEDE DE SOUPAPE BISTABLE**
[72] LE, TUAN, US
[72] HAN, JOSEPH, US
[71] FLUIDMASTER, INC., US
[85] 2020-03-30
[86] 2018-10-03 (PCT/US2018/054266)
[87] (WO2019/070921)
[30] US (62/567,734) 2017-10-03

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[71] NORTHSTONE (NI) LIMITED, GB
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[54] **METHODE DE DEPISTAGE D'UNE INSUFFISANCE SURRENALIENNE**
[72] WRIGHT, NEIL PETER, GB
[72] ELDER, CHARLOTTE JANE, GB
[71] SHEFFIELD CHILDREN'S NHS FOUNDATION TRUST, GB
[71] UNIVERSITY OF SHEFFIELD, GB
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[54] **DISPOSITIF DE VISION D'URGENCE UTILISANT DES BOUCLES DE FIL A RESSORT**
[72] WERJEFELT, ALEXANDER K., US
[71] WERJEFELT, ALEXANDER K., US
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[54] **METHODS FOR PREVENTING DISULFIDE BOND REDUCTION IN CELL CULTURE HARVEST WITH SELENITE**
[54] **PROCEDES POUR LA PREVENTION DE LA REDUCTION DE LIAISONS DISULFURES LORS DE LA COLLECTE D'UNE CULTURE CELLULAIRE AVEC DE LA SELENITE**
[72] KWANT, KATHRYN, US
[71] BAYER HEALTHCARE LLC, US
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[54] **METHODS AND APPARATUS TO BRIDGE COMMUNICATIONS BETWEEN DEVICES USING LOW-ENERGY DEVICES**
[54] **PROCEDES ET APPAREIL DE RACCORDEMENT DE COMMUNICATIONS ENTRE DES DISPOSITIFS A L'AIDE DE DISPOSITIFS A BASSE CONSOMMATION**
[72] JUNK, KENNETH WILLIAM, US
[72] JENSEN, KURTIS K., US
[72] LATWESEN, ANNETTE L., US
[72] BULLEIT, GREGORY ROBERT, US
[71] FISHER CONTROLS INTERNATIONAL LLC, US
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[54] **P38 KINASE INHIBITORS REDUCE DUX4 AND DOWNSTREAM GENE EXPRESSION FOR THE TREATMENT OF FSHD**
[54] **INHIBITEURS DE LA KINASE P38 REDUISANT L'EXPRESSION DU GENE DUX4 ET DES GENES AVAL POUR LE TRAITEMENT DE LA FSHD**
[72] CACACE, ANGELA MARIE, US
[72] ROJAS SOTO, LUIS GUSTAVO ALEJANDRO, US
[72] THOMPSON, LORIN A., III, US
[72] WALLACE, OWEN BRENDAN, US
[72] ROBERTSON, ALAN SCOTT, US
[72] SHEN, NING, US
[72] RONCO, LUCIENNE V., US
[72] CHANG, AARON NAKWON, US
[71] FULCRUM THERAPEUTICS, INC., US
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[54] **ACCESS TO SECURED INFORMATION**
[54] **ACCES AUX INFORMATIONS SECURISEES**
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[72] DROUIN, VINCENT, CA
[71] WORKJAM INC., CA
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[54] **DETERMINING FUNCTIONAL STATUS OF IMMUNE CELLS TYPES AND IMMUNE RESPONSE**
[54] **DETERMINATION DE L'ETAT FONCTIONNEL DE TYPES DE CELLULES IMMUNITAIRES ET D'UNE REPONSE IMMUNITAIRE**
[72] VAN DOORN, ARIE ROMBERTUS, NL
[72] VAN DE STOLPE, ANJA, NL
[72] HARTSKAMP, MICHAEL, NL
[72] KUIJPERS, STEVEN PAULUS LAMBERTUS, NL
[72] NACHABE, HUSSAM, NL
[72] VERHAEGH, WILHELMUS FRANCISCUS JOHANNES, NL
[71] KONINKLIJKE PHILIPS N.V., NL
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[54] **METHOD AND DEVICE FOR PROTEIN FIBER PRODUCTION**
[54] **PROCEDE ET DISPOSITIF DE PRODUCTION DE FIBRE PROTEINIQUE**
[72] HEDHAMMAR, MY, SE
[72] KVICK, MATHIAS, SE
[71] SPIBER TECHNOLOGIES AB, SE
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[54] **METHOD TO PRODUCE COMPOSITE-ENHANCED MARKET PULP AND PAPER**
[54] **PROCEDE DE PRODUCTION DE PAPIER ET DE PATE COMMERCIALE A RENFORCEMENT COMPOSITE**
[72] BILODEAU, MICHAEL A., US
[72] PARADIS, MARK A., US
[71] UNIVERSITY OF MAINE SYSTEM BOARD OF TRUSTEES, US
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[54] **APPARATUS FOR ASSISTING THE MOBILITY OF VISUALLY IMPAIRED PEOPLE IN ROAD TRAFFIC**
[54] **DISPOSITIF D'ASSISTANCE A LA MOBILITE DE PERSONNES A DEFICIENCE VISUELLE DANS LE TRAFIC ROUTIER**
[72] HEGEMANN, ANDREAS, DE
[71] RTB GMBH & CO.KG, DE
[85] 2020-03-30
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[51] **Int.Cl. A61B 1/005 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING AN ENDOSCOPE INSERTION TUBE, AND ENDOSCOPE HAVING AN INSERTION TUBE**
[54] **PROCEDE SERVANT A FABRIQUER UN TUYAU FLEXIBLE D'INSERTION D'UN ENDOSCOPE, ET ENDOSCOPE COMPRENANT UN TUYAU FLEXIBLE D'INSERTION**
[72] DO, ANH MINH, DE
[72] VIEBACH, THOMAS, DE
[71] HOYA CORPORATION, JP
[85] 2020-03-30
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[54] **NEW SALT AND SOLID STATE FORMS OF ESCITALOPRAM**
[54] **NOUVEAU SEL ET FORMES A L'ETAT SOLIDE D'ESCITALOPRAM**
[72] FRENKEL, ANTON, IL
[72] WU, RAEANN RUIYUN, US
[71] TEVA PHARMACEUTICAL INDUSTRIES LTD., IL
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[54] **ARTICLE A FUMER A FILTRES**
[72] MOTODAMARI, TETSUYA, JP
[71] JAPAN TOBACCO INC., JP
[85] 2020-03-30
[86] 2017-10-03 (PCT/JP2017/036042)
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[54] **CRYSTALLINE FORM OF LORLATINIB FREE BASE HYDRATE**
[54] **FORME CRISTALLINE D'HYDRATE DE BASE LIBRE DE LORLATINIB**
[72] BOWLES, PAUL, US
[72] ROSE, PETER ROBERT, US
[71] PFIZER INC., US
[85] 2020-04-07
[86] 2018-10-04 (PCT/IB2018/057735)
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[54] **CTLA-4 VARIANT IMMUNOMODULATORY PROTEINS AND USES THEREOF**
[54] **PROTEINES IMMUNOMODULATRICES DE VARIANTS DE CTLA-4 ET LEURS UTILISATIONS**
[72] EVANS, LAWRENCE, US
[72] KUIJPER, JOSEPH L., US
[72] SWANSON, RYAN, US
[71] ALPINE IMMUNE SCIENCES, INC., US
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[25] EN
[54] **URETHRAL STRICTURE TREATMENT AGENT AND URETHRAL STRICTURE TREATMENT METHOD**
[54] **AGENT DE TRAITEMENT DE LA STENOSE URETRALE ET METHODE DE TRAITEMENT DE LA STENOSE URETRALE**
[72] YOSHIOKA, HIROSHI, JP
[72] SAMUEL, ABRAHAM JK, JP
[71] GN CORPORATION LTD, JP
[71] JBM INCORPORATION, JP
[85] 2020-03-30
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[54] **RADOME STRUCTURE, PROTECTED RADIATION-ACTIVE SYSTEM AND METHODS FOR USING SAME**
[54] **STRUCTURE DE RADOME, SYSTEME A RAYONNEMENT ACTIF PROTEGE ET PROCEDES D'UTILISATION ASSOCIES**
[72] STRESSING, DAVID WINFIELD, US
[71] SAINT-GOBAIN PERFORMANCE PLASTICS CORPORATION, US
[85] 2020-03-30
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[54] **AUTOMATED OCCUPANT TRACKING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE SUIVI D'OCCUPANT AUTOMATISE**
[72] PEREZ, JUAN, US
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US
[85] 2020-03-30
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[25] EN
[54] **DELAYED RELEASE DEFERIPRONE TABLETS AND METHODS OF USING THE SAME**
[54] **COMPRIMES DE DEFERIPRONE A LIBERATION RETARDEE ET PROCEDES D'UTILISATION CORRESPONDANTS**
[72] SHERMAN, BERNARD CHARLES (DECEASED), CA
[72] SPINO, MICHAEL, CA
[71] CHIESI FARMACEUTICI S.P.A., IT
[85] 2020-03-31
[86] 2018-10-25 (PCT/IB2018/058350)
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[30] US (62/577,055) 2017-10-25
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[54] **VANNE PRELIMINAIRE UNIVERSELLE**
[72] LI, HSIAO CHANG, US
[72] PITSCH, WALTER, US
[71] AS AMERICA, INC., US
[85] 2020-03-30
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[51] **Int.Cl. C23C 22/56 (2006.01) B05D 3/00 (2006.01) C09D 5/00 (2006.01) C09J 5/02 (2006.01) C22C 21/00 (2006.01) C23C 22/66 (2006.01) C23C 22/77 (2006.01) C23C 22/78 (2006.01) C23F 1/02 (2006.01) C23F 1/20 (2006.01) C23F 1/36 (2006.01) C23G 1/12 (2006.01) C23G 1/22 (2006.01)**
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[54] **ALUMINUM ALLOY ARTICLES HAVING IMPROVED BOND DURABILITY AND INERT SURFACE ALUMINUM ALLOY ARTICLES AND METHODS OF MAKING AND USING THE SAME**
[54] **ARTICLES EN ALLIAGE D'ALUMINIUM AYANT UNE STABILITE DE LIAISON AMELIOREE ET ARTICLES EN ALLIAGE D'ALUMINIUM A SURFACE INERTE ET PROCEDES DE FABRICATION ET D'UTILISATION DE CEUX-CI**
[72] LI, LIANGLIANG, US
[72] MACFARLANE, THERESA ELIZABETH, US
[72] REDMOND, PETER LLOYD, US
[72] YUAN, YUDIE, US
[72] BUCKINGHAM, STEPHEN, US
[72] MANAVBASI, ALP, US
[72] VEGA, LUIS FANOR, US
[72] WU, CEDRIC, US
[71] NOVELIS INC., US
[85] 2020-03-30
[86] 2018-10-23 (PCT/US2018/057053)
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[51] **Int.Cl. G06N 3/02 (2006.01) G06K 9/62 (2006.01) G06N 3/08 (2006.01) G08B 13/196 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CLASSIFYING AN OBJECT-OF-INTEREST USING AN ARTIFICIAL NEURAL NETWORK**
[54] **PROCEDE ET SYSTEME DE CLASSIFICATION D'UN OBJET D'INTERET AU MOYEN D'UN RESEAU NEURONAL ARTIFICIEL**
[72] HE, LU, CA
[72] WANG, YIN, CA
[72] LIPCHIN, ALEKSEY, CA
[71] AVIGILON CORPORATION, CA
[85] 2020-03-30
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[51] **Int.Cl. C12N 15/13 (2006.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) A61P 9/00 (2006.01) A61P 27/02 (2006.01) C07K 16/22 (2006.01) C07K 16/46 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **SYNTHETIC ANTIBODIES AGAINST VEGF AND THEIR USES**
[54] **ANTICORPS SYNTHETIQUES CONTRE LE VEGF ET LEURS UTILISATIONS**
[72] FELLOUSE, FREDERIC, CA
[72] MOFFAT, JASON, CA
[72] SIDHU, SACHDEV, CA
[72] RAMCHAND, CN, IN
[72] HARIT, RAVIKANT, IN
[72] ARORA, REENA, IN
[72] ANTONY, AJU, IN
[72] VINODH, SANTHI, IN
[71] UNIVERSITY OF TORONTO, CA
[71] SAKSIN LIFESCIENCES PVT LTD, IN
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[51] **Int.Cl. G05D 1/00 (2006.01) B64C 39/02 (2006.01) G05D 1/10 (2006.01)**
[25] FR
[54] **ONBOARD CONTROL UNIT FOR A DRONE SYSTEM, DRONE AND DRONE SYSTEM COMPRISING THE ONBOARD CONTROL UNIT**
[54] **UNITE DE COMMANDE EMBARQUEE POUR UN SYSTEME DE DRONE, DRONE ET SYSTEME DE DRONE COMPRENANT L'UNITE DE COMMANDE EMBARQUEE**
[72] BOS, FREDERIC, FR
[72] BERTOLACCI, THIERRY, FR
[71] AIRBUS DEFENCE AND SPACE SAS, FR
[85] 2020-03-30
[86] 2018-07-26 (PCT/EP2018/070350)
[87] (WO2019/025293)

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[51] **Int.Cl. G05D 1/10 (2006.01)**
[25] EN
[54] **METHOD, DEVICE, AND EQUIPMENT FOR OBSTACLE OR GROUND RECOGNITION AND FLIGHT CONTROL, AND STORAGE MEDIUM**
[54] **PROCEDE, DISPOSITIF ET EQUIPEMENT DE RECONNAISSANCE D'OBSTACLE OU DE SOL ET DE COMMANDE DE VOL, ET SUPPORT DE STOCKAGE**
[72] ZHENG, LIQIANG, CN
[71] GUANGZHOU XAIRCRAFT TECHNOLOGY CO., LTD., CN
[85] 2020-03-30
[86] 2019-07-25 (PCT/CN2019/097639)
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[51] **Int.Cl. F24H 1/00 (2006.01) H05B 1/02 (2006.01)**
[25] EN
[54] **IMPROVED WATER HEATER CONTROL ARRANGEMENT AND ASSEMBLY**
[54] **AGENCEMENT ET ENSEMBLE DE COMMANDE DE CHAUFFE-EAU AMELIORES**
[72] KERNICH, LEE, AU
[72] BOURKE, BRENDAN, AU
[72] KERR, PETER, AU
[72] ADAM, QUENTIN ARTHUR CARL, AU
[72] STEPA, GRANT, AU
[71] RHEEM AUSTRALIA PTY LIMITED, AU
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[25] EN
[54] **APPARATUS AND METHOD FOR MONITORING AND CONTROLLING THE FILLING OF A CONTAINER WITH A PHARMACEUTICAL FLUID IN AN ASEPTIC ENVIRONMENT**
[54] **APPAREIL ET PROCEDE DE SURVEILLANCE ET DE COMMANDE DU REMPLISSAGE DE RECIPIENT RENFERMANT UN FLUIDE PHARMACEUTIQUE DANS UN ENVIRONNEMENT ASEPTIQUE**
[72] GUERRERO, CARLOS ALBERTO DIAZ, CA
[71] VANRX PHARMASYSTEMS INC., CA
[85] 2020-03-31
[86] 2018-09-26 (PCT/CA2018/051214)
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[30] US (15/729,655) 2017-10-10

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[25] EN
[54] **STOP DEVICE FOR A CONVEYOR SYSTEM**
[54] **DISPOSITIF D'ARRET POUR UN SYSTEME DE TRANSPORT**
[72] ECKERSTROM, SVEN-ERIK, SE
[72] OHMAN, MICHAEL, SE
[71] FLEXLINK AB, SE
[85] 2020-03-31
[86] 2018-09-27 (PCT/SE2018/050991)
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[54] **BALL TOY**
[54] **JOUET EN FORME DE BALLE**
[72] HOLDEN, EDWARD, AU
[71] MEJJJET HOLDINGS PTY LTD, AU
[85] 2020-03-31
[86] 2018-10-10 (PCT/AU2018/051098)
[87] (WO2019/071309)
[30] AU (2017904076) 2017-10-10
[30] AU (PCT/AU2018/050106) 2018-02-09

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[54] **CONVEYOR SYSTEM SUITABLE FOR TRANSPORTING MATERIALS**
[54] **INSTALLATION DE CONVOYAGE CONVENANT POUR LE TRANSPORT DE MATIERES**
[72] JAROUSSEAU, YVES, FR
[71] JAROUSSEAU, YVES, FR
[85] 2020-04-01
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[30] FR (17 59483) 2017-10-10

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[51] **Int.Cl. F01D 25/28 (2006.01) F01D 5/02 (2006.01) F01D 5/06 (2006.01) F04D 29/64 (2006.01)**
[25] FR
[54] **DEVICE FOR ASSEMBLING A TURBINE ENGINE, AND METHOD USING THE DEVICE**
[54] **DISPOSITIF POUR L'ASSEMBLAGE D'UNE TURBOMACHINE, ET PROCEDE UTILISANT LE DISPOSITIF**
[72] GASTAL, THIERRY FERNAND, FR
[72] CREUSET, MORGAN BRYAN ANTONY, FR
[72] PETIT, ERIC LOUIS CHARLES, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2020-03-31
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[54] **POWER TRANSMISSION SYSTEM**
[54] **SYSTEME DE TRANSMISSION DE COURANT**
[72] FRIEDRICH, THOMAS, AT
[72] HAYDN, MARKUS, AT
[71] PLANSEE SE, AT
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[30] AT (GM 220/2017) 2017-10-02

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[54] **SYSTEM AND METHOD FOR A HYBRID CONVERSATIONAL AND GRAPHICAL USER INTERFACE**
[54] **SYSTEME ET PROCEDE POUR UNE INTERFACE UTILISATEUR GRAPHIQUE ET CONVERSATIONNELLE HYBRIDE**
[72] BEDELL, BARRY JOSEPH, CA
[72] LEVASSEUR-LABERGE, CEDRIC, CA
[72] GAGNEPAIN, JUSTINE, CA
[72] MAHOU, ELIOTT, CA
[71] DYNAMICLY INC., CA
[85] 2020-03-31
[86] 2018-10-05 (PCT/CA2018/051264)
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[54] **ARC SOURCE WITH CONFINED MAGNETIC FIELD**
[54] **SOURCE D'ARC A CHAMP MAGNETIQUE CONFINE**
[72] KRASSNITZER, SIEGFRIED, AT
[72] HAGMANN, JUERG, CH
[71] OERLIKON SURFACE SOLUTIONS AG, PFAFFIKON, CH
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[54] **METHOD FOR FOAMING METAL IN A LIQUID BATH**
[54] **PROCEDE DE MOUSSAGE DE METAL DANS UN BAIN DE LIQUIDE**
[72] SEELIGER, WOLFGANG, DE
[72] SATTLER, STEFAN, DE
[71] POHLTEC METALFOAM GMBH, DE
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[54] **METHOD FOR PRODUCING A SEMI-FINISHED PRODUCT FOR A COMPOSITE MATERIAL**
[54] **PROCEDE DE FABRICATION D'UN PRODUIT SEMI-FINI DESTINE A UN MATERIAU COMPOSITE**
[72] SEELIGER, WOLFGANG, DE
[71] POHLTEC METALFOAM GMBH, DE
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[25] EN
[54] **ALKANOLAMINE AND GLYCOL ETHER COMPOSITION FOR ENHANCED EXTRACTION OF BITUMEN**
[54] **COMPOSITION D'ALCANOLAMINE ET DE GLYCOLETHER POUR UNE EXTRACTION AMELIOREE DE BITUME**
[72] PRASAD, VIKRAM, US
[72] BELL, CAROL LYONS, US
[72] MUKHERJEE, BIPLAB, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-03-31
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[25] EN
[54] **INTEGRATED FILTER RADIATOR FOR A MULTIBAND ANTENNA**
[54] **RADIATEUR A FILTRE INTEGRE POUR ANTENNE MULTIBANDE**
[72] LE, KEVIN, US
[71] JOHN MEZZALINGUA ASSOCIATES, LLC, US
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[54] **SPINAL IMPLANT**
[54] **IMPLANT RACHIDIEN**
[72] MULLIN, BRAD, US
[71] MULLIN, BRAD, US
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[54] **APPLICATION DEVELOPMENT ENVIRONMENT FOR BIOLOGICAL SAMPLE ASSESSMENT PROCESSING**
[54] **ENVIRONNEMENT DE DEVELOPPEMENT D'APPLICATIONS POUR TRAITEMENT D'EVALUATION D'ECHANTILLONS BIOLOGIQUES**
[72] BRASCH, MICHAEL A., US
[72] GOSNELL, CURTIS M., US
[72] WILES, TIMOTHY M., US
[72] MARCELPOIL, RAPHAEL R., FR
[72] NIEUWENHUIS, BAS, NL
[72] VAN DER KAAP, TRIENKO MARTEN, NL
[72] BOIS, MICHAEL, US
[71] BECTON, DICKINSON AND COMPANY, US
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[54] **FLUID STORAGE UNIT, SYSTEMS, AND METHODS FOR CATHETER PRIMING**
[54] **UNITE DE STOCKAGE DE FLUIDE, SYSTEMES ET METHODES PERMETTANT L'AMORCAGE D'UN CATHETER**
[72] NAIDU, JITHENDRA KUMAR SATHYANARAYANA, SG
[72] NG, MUM PEW, SG
[71] BECTON, DICKINSON AND COMPANY, US
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[25] EN
[54] **BATTERY THERMAL MANAGEMENT MANIFOLD SEGMENT AND ASSEMBLY THEREOF**
[54] **SEGMENT DE COLLECTEUR DE GESTION THERMIQUE DE BATTERIE ET SON ASSEMBLAGE**
[72] JONES, CARL, US
[72] FANSLER, DOUG, US
[72] IGNACZAK, BRIAN T., US
[72] WARD, NICHOLAS, US
[72] PETERSON, DAVE, US
[72] BUCHER, MICHAEL R., US
[71] NORMA U.S. HOLDING LLC, US
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[51] **Int.Cl. C08F 226/06 (2006.01) C22B 60/02 (2006.01)**
[25] FR
[54] **NOVEL POLYMERS, METHODS FOR PREPARING SAME, AND USES THEREOF PARTICULARLY FOR METAL CAPTURE**
[54] **NOUVEAUX POLYMERES, LEURS PROCEDES DE PREPARATION, ET LEURS UTILISATIONS NOTAMMENT POUR LE CAPTAGE DE METAUX**
[72] ROGER, PHILIPPE GERARD, FR
[72] MAAZ, MOHAMAD, LB
[72] NSOULI, BILAL, LB
[72] ELZEIN, TAMARA, LB
[72] BARROCA, NADINE, FR
[72] LEPOITTEVIN, BENEDICTE, FR
[71] UNIVERSITE PARIS-SACLAY, FR
[71] CONSEIL NATIONAL DE LA RECHERCHE SCIENTIFIQUE DU LIBAN, LB
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[25] EN
[54] **SYSTEM AND METHOD FOR THE IDENTIFICATION OF MOBILE DEVICES VIA WI-FI WITHOUT THE NEED OF A CONNECTION**
[54] **SYSTEME ET PROCEDE POUR IDENTIFICATION DE DISOPSITIFS MOBILES PAR WI-FI SANS NECESSITE DE CONNEXION**
[72] BELHARETH, SONIA, MX
[71] GRAY MUNOZ, ROBIN LAURENCE IGNACIO, MX
[71] BELHARETH, SONIA, MX
[85] 2019-07-15
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[54] **CHEMICAL CONTROL SYSTEMS AND METHODS FOR CONTROLLING DISINFECTANTS**
[54] **SYSTEMES DE CONTROLE CHIMIQUE ET PROCEDES DE CONTROLE DE DESINFECTANTS**
[72] GIGUERE, ROBIN, US
[71] UGSI SOLUTIONS, INC., US
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[25] FR
[54] **NOVEL GRAFT POLYMERS, METHODS FOR PREPARING SAME, AND USES THEREOF PARTICULARLY FOR METAL CAPTURE**
[54] **NOUVEAUX POLYMERES GREFFES, LEURS PROCEDES DE PREPARATION, ET LEURS UTILISATIONS NOTAMMENT POUR LE CAPTAGE DE METAUX**
[72] ROGER, PHILIPPE GERARD, FR
[72] MAAZ, MOHAMAD, LB
[72] NSOULI, BILAL, LB
[72] ELZEIN, TAMARA, LB
[72] BARROCA, NADINE, FR
[72] LEPOITTEVIN, BENEDICTE, FR
[71] UNIVERSITE PARIS-SACLAY, FR
[71] CONSEIL NATIONAL DE LA RECHERCHE SCIENTIFIQUE DU LIBAN, LB
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[25] EN
[54] **METHOD FOR PRODUCING A HOLLOW PART MADE OF A CERAMIC MATRIX COMPOSITE MATERIAL**
[54] **PROCEDE POUR LA REALISATION D'UNE PIECE CREUSE EN MATERIAU COMPOSITE A MATRICE CERAMIQUE**
[72] GIMAT, MATTHIEU, ARNAUD, FR
[72] DUPONT, REMY, FR
[72] CARLIN, MAXIME, FRANCOIS, ROGER, FR
[72] PHILIPPE, ERIC, FR
[72] LACOMBE, BENJAMIN, FR
[71] SAFRAN CERAMICS, FR
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[51] **Int.Cl. A61M 1/14 (2006.01) A61M 1/16 (2006.01) A61M 1/36 (2006.01)**
[25] EN
[54] **CIRCUIT ARRANGEMENT FOR PROTECTIVE-CONDUCTOR CONNECTION TO AT LEAST TWO FLUID-CONDUCTING LINES AND METHOD FOR TESTING A PROTECTIVE-CONDUCTOR CONNECTION**
[54] **ENSEMBLE CIRCUIT DESTINE A ETRE RELIE PAR CONDUCTEURS DE PROTECTION A AU MOINS DEUX CONDUITES A CIRCULATION DE LIQUIDE ET PROCEDE DESTINE A CONTROLER UNE LIAISON PAR CONDUCTEURS DE PROTECTION**
[72] DANZ, TIM, DE
[72] SCHMITT, THOMAS, DE
[72] BREITKOPF, BERTHOLD, DE
[72] ASCHENBRENNER, PAUL, DE
[72] SCHEURING, OSWALD, DE
[71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
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[25] FR
[54] **APPETISING COMPOSITION COMPRISING HYDROLYSED ALPHA-S1-CASEIN**
[54] **COMPOSITION APPETENTE COMPRENANT DE L'ALPHA-S1-CASEINE HYDROLYSEE**
[72] MOREAU, MARINETTE, FR
[72] BREVET, AURELIE, FR
[71] VETOQUINOL SA, FR
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[51] **Int.Cl. A23J 1/00 (2006.01) A23L 33/185 (2016.01) A23J 1/14 (2006.01)**
[25] FR
[54] **PEA PROTEIN COMPOSITION HAVING IMPROVED NUTRITIONAL QUALITY**
[54] **COMPOSITION DE PROTEINES DE POIS A QUALITE NUTRITIONNELLE AMELIOREE**
[72] LECOCQ, ALINE, FR
[72] IBERT, MATHIAS, FR
[71] ROQUETTE FRERES, FR
[85] 2020-04-01
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[25] FR
[54] **COMPONENT PROTECTED BY AN ENVIRONMENTAL BARRIER**
[54] **PIECE PROTEGEE PAR UNE BARRIERE ENVIRONNEMENTALE**
[72] BIANCHI, LUC, FR
[72] JOUBERT, HUGUES DENIS, FR
[72] PICOT, PHILIPPE, FR
[72] SABOUNDJI, AMAR, FR
[71] SAFRAN, FR
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[25] FR
[54] **WIRELESS ELECTRONIC DETONATOR**
[54] **DETONATEUR ELECTRONIQUE SANS FIL**
[72] BIARD, LIONEL, FR
[72] DESPESSE, GHISLAIN, FR
[72] GUYON, FRANCK, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALERNATIVES, FR
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[54] **METHOD AND APPARATUS FOR POSITIONING HEATING ELEMENTS**
[54] **PROCEDE ET APPAREIL POUR LE POSITIONNEMENT D'ELEMENTS CHAUFFANTS**
[72] LARSON, DAVID D., US
[71] PROGRESS PROFILES SPA, IT
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[54] **WEB LIFTER/STABILIZER AND METHOD**
[54] **DISPOSITIF DE LEVAGE/STABILISATEUR DE BANDE ET PROCEDE ASSOCIE**
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[72] MAKI, ERIC, US
[72] GLENN, GEORGE, US
[71] DURR SYSTEMS, INC., US
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[25] EN
[54] **METHOD OF DETECTING AUTOANTIBODIES FROM PATIENTS SUFFERING FROM RHEUMATOID ARTHRITIS, A PEPTIDE AND AN ASSAYKIT**
[54] **PROCEDE POUR DETECTER DES AUTO-ANTICORPS CHEZ DES PATIENTS SOUFFRANT DE POLYARTHRITE RHUMATOIDE, PEPTIDE ET TROUSSE DE DOSAGE**
[72] VAN VENROOIJ, WALTHERUS JACOBUS WILHELMUS, NL
[72] DRIJFHOUT, JAN WOUTER, NL
[72] VAN BOEKEL, MARTINUS ADRIANUS MARIA, NL
[72] PRUIJN, GERARDUS JOZEF MARIA, NL
[71] STICHTING VOOR DE TECHNISCHE WETENSCHAPPEN, NL
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[54] **MDCT-BASED COMPLEX PREDICTION STEREO CODING**
[54] **CODAGE STEREO A PREDICTION COMPLEXE A BASE DE MDCT**
[72] PURNHAGEN, HEIKO, SE
[72] CARLSSON, PONTUS, SE
[72] VILLEMOES, LARS, SE
[71] DOLBY INTERNATIONAL AB, NL
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[54] **RAILROAD CAR AND DOOR MECHANISM THEREFOR**
[54] **WAGON ET MECANISME DE PORTES CONNEXE**
[72] FORBES, JAMES W., CA
[72] BIS, TOMASZ, CA
[71] NATIONAL STEEL CAR LIMITED, CA
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[51] **Int.Cl. C12Q 1/02 (2006.01) G01N 33/15 (2006.01) G01N 33/50 (2006.01)**
[25] FR
[54] **METHODS FOR DETECTING CONTAMINANTS IN SOLUTIONS CONTAINING GLUCOSE POLYMERS**
[54] **METHODES DE DETECTION DE CONTAMINANTS DANS DES SOLUTIONS CONTENANTS DES POLYMERES DE GLUCOSE**
[72] LANOS, PIERRE, FR
[72] HACINE-GHERBI, HELA, FR
[72] ALLAIN, FABRICE, FR
[72] CARPENTIER, MATHIEU, FR
[72] DENYS, AGNES, FR
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[51] **Int.Cl. A01B 73/02 (2006.01) A01B 76/00 (2006.01)**
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[54] **AGRICULTURAL TOOLBAR APPARATUS, SYSTEMS, AND METHODS**
[54] **APPAREIL DE BARRE PORTE-OUTILS AGRICOLE, SYSTEMES ET PROCEDES ASSOCIES**
[72] KOCH, DALE M., US
[72] STOLLER, JASON, US
[71] PRECISION PLANTING LLC, US
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[25] EN
[54] **NETWORK TRANSACTION PAYMENT METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE PAIEMENT DE TRANSACTION DE RESEAU**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[22] 2015-04-30
[41] 2016-11-03
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[13] A1
[51] **Int.Cl. A01K 61/60 (2017.01) A01K 61/00 (2017.01)**
[25] EN
[54] **OUTLET BASIN FOR A FISH PEN**
[54] **BASSIN DEVERSOIR POUR COMPARTIMENT A POISSONS**
[72] NAESS, ANDERS, NO
[71] AKVADESIGN AS, NO
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[51] **Int.Cl. D01D 5/08 (2006.01) D04H 1/728 (2012.01) D04H 3/016 (2012.01) D04H 3/073 (2012.01) A61L 15/22 (2006.01) A61L 15/42 (2006.01) A61F 2/02 (2006.01)**
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[54] **BIOMEDICAL PATCHES WITH ALIGNED FIBERS**
[54] **PIECES BIOMEDICALES AVEC FIBRES ALIGNEES**
[72] MACEWAN, MATTHEWS R., US
[72] XIE, JINGWEI, US
[72] RAY, ZACK, US
[72] XIA, YOUNAN, US
[71] WASHINGTON UNIVERSITY, US
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[25] EN
[54] **NETWORK TRANSACTION PAYMENT METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE PAIEMENT DE TRANSACTION DE RESEAU**
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[71] 10353744 CANADA LTD., CA
[22] 2015-04-30
[41] 2016-11-03
[62] 2,986,821

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[25] EN
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[54] **PROCEDE ET SYSTEME DE PAIEMENT DE TRANSACTION DE RESEAU**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[22] 2015-04-30
[41] 2016-11-03
[62] 2,986,821

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[13] A1
[25] EN
[54] **METHODS FOR PRODUCING CU-67 RADIOISOTOPE WITH USE OF A CERAMIC CAPSULE FOR MEDICAL APPLICATIONS**
[54] **PROCEDES POUR PRODUIRE DU RADIO-ISOTOPE CU-67 A L'AIDE D'UNE CAPSULE DE CERAMIQUE POUR DES APPLICATIONS MEDICALES**
[72] EHST, DAVID A., US
[72] WILLIT, JAMES L., US
[71] UCHICAGO ARGONNE, LLC, US
[22] 2012-08-23
[41] 2013-04-04
[62] 2,850,061
[30] US (61/540,897) 2011-09-29
[30] US (13/399,082) 2012-02-17

[21] **3,077,183**
[13] A1
[51] **Int.Cl. F24C 15/20 (2006.01) B01D 46/00 (2006.01) F24F 13/28 (2006.01)**
[25] EN
[54] **FILTERS, MOUNTS AND METHODS OF MOUNTING FILTERS**
[54] **FILTRES, SUPPORTS ET PROCEDES DE MONTAGE DE FILTRES**
[72] SALPIETRA, JORDAN, US
[71] SALPIETRA, JORDAN, US
[22] 2014-06-13
[41] 2014-12-18
[62] 2,915,500
[30] US (61/835,383) 2013-06-14

[21] **3,077,184**
[13] A1
[51] **Int.Cl. G06F 3/0481 (2013.01) G06Q 10/06 (2012.01) G06F 3/0484 (2013.01) G06F 16/903 (2019.01)**
[25] EN
[54] **LINEAR ASSETS INSPECTION SYSTEM**
[54]
[72] TAYS, DWIGHT, CA
[72] LILLEY, DAVID, CA
[72] ABBOTT, BRIAN, CA
[71] TAYS, DWIGHT, CA
[71] LILLEY, DAVID, CA
[71] ABBOTT, BRIAN, CA
[22] 2008-08-22
[41] 2009-11-21
[62] 2,992,198
[30] US (61/071,849) 2008-05-21

[21] **3,077,190**
[13] A1
[51] **Int.Cl. H01M 4/136 (2010.01) H01M 10/052 (2010.01) H01M 10/056 (2010.01) H01M 2/16 (2006.01)**
[25] EN
[54] **A METHOD OF CHARGING A LITHIUM-SULPHUR CELL**
[54] **PROCEDE DE CHARGE D'UNE BATTERIE AU LITHIUM-SOUFRE**
[72] KOLOSNITSYN, VLADIMIR, GB
[72] AINSWORTH, DAVID, GB
[72] KABACIK, LUKASZ, GB
[71] OXIS ENERGY LIMITED, GB
[22] 2014-03-21
[41] 2014-10-02
[62] 2,903,942
[30] EP (13160777.2) 2013-03-25
[30] GB (1318214.2) 2013-10-15

[21] **3,077,195**
[13] A1
[25] EN
[54] **SLIP FRAME FORMER DEVICE**
[54]
[72] JUNTUNEN, SHARON B., US
[72] OURS, DAVID C., US
[71] KELLOGG COMPANY, US
[22] 2011-12-01
[41] 2012-06-07
[62] 3,025,532
[30] US (61/418,448) 2010-12-01

[21] **3,077,199**
[13] A1
[51] **Int.Cl. B02C 13/26 (2006.01) B02C 13/18 (2006.01) B02C 13/28 (2006.01) B02C 13/31 (2006.01)**
[25] EN
[54] **CENTRIFUGAL PULVERIZING MILL**
[54] **CENTRIFUGAL PULVERIZING MIL**
[72] LUGOWSKI, MARK CHRISTOPHER, CA
[72] LUTOSLAWSKI, JAROSLAW, CA
[71] TORXX KINETIC PULVERIZER LIMITED, BM
[22] 2017-04-10
[41] 2018-07-13
[62] 2,963,657
[30] US (15405383) 2017-01-13

[21] **3,077,206**
[13] A1
[25] EN
[54] **NETWORK TRANSACTION PAYMENT METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE PAIEMENT DE TRANSACTION DE RESEAU**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[22] 2015-04-30
[41] 2016-11-03
[62] 2,986,821

[21] **3,077,244**
[13] A1
[51] **Int.Cl. A61M 13/00 (2006.01) A61M 1/28 (2006.01) A61M 1/36 (2006.01)**
[25] EN
[54] **AGITATION APPARATUS**
[54] **APPAREIL D'AGITATION**
[72] ALBALAT, ALBERTO MARTINEZ, ES
[71] BIOSURGICAL S.L., ES
[22] 2013-11-07
[41] 2014-05-15
[62] 2,889,371
[30] GB (1220306.3) 2012-11-12

[21] **3,077,245**
[13] A1
[51] **Int.Cl. C07K 5/078 (2006.01) A61K 38/05 (2006.01) A61P 35/00 (2006.01) C12N 9/04 (2006.01)**
[25] EN
[54] **LACTAM DERIVATIVES USEFUL AS INHIBITORS OF MUTANT IDH1**
[54] **DERIVES DE LACTAME UTILES COMME INHIBITEURS DE IDH1 MUTANT**
[72] LEMIEUX, RENE M., US
[72] CAI, ZHENWEI, US
[72] CUI, DAWEI, CN
[72] POPOVICI-MULLER, JANETA, US
[72] TRAVINS, JEREMY, US
[72] ZHOU, DING, CN
[71] AGIOS PHARMACEUTICALS, INC., US
[22] 2013-01-21
[41] 2013-07-25
[62] 2,861,556
[30] CN (PCT/CN2012/070601) 2012-01-19

[21] **3,077,249**
[13] A1
[25] EN
[54] **NETWORK TRANSACTION PAYMENT METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE PAIEMENT DE TRANSACTION DE RESEAU**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[22] 2015-04-30
[41] 2016-11-03
[62] 2,986,821

[21] **3,077,290**
[13] A1
[51] **Int.Cl. E01H 5/06 (2006.01) B60D 3/00 (2006.01)**
[25] EN
[54] **SUPPORT FRAME FOR AN IMPLEMENT**
[54] **CADRE DE SOUTIEN POUR UN ACCESSOIRE**
[72] GENDRON, JEAN-PHILIPPE, CA
[72] AUBIN-MARCHAND, JEREMIE, CA
[72] ROY, NORMAND, CA
[71] SOUCY INTERNATIONAL INC., CA
[22] 2013-02-21
[41] 2013-08-21
[62] 2,888,536
[30] US (61/601,086) 2012-02-21

[21] **3,077,295**
[13] A1
[51] **Int.Cl. G06F 3/0481 (2013.01) G06F 3/0484 (2013.01) G06F 16/903 (2019.01) B61K 9/00 (2006.01)**
[25] EN
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[72] LILLEY, DAVID, CA
[72] ABBOTT, BRIAN, CA
[71] TAYS, DWIGHT, CA
[71] LILLEY, DAVID, CA
[71] ABBOTT, BRIAN, CA
[22] 2008-08-22
[41] 2009-11-21
[62] 2,992,198
[30] US (61/071,849) 2008-05-21

[21] **3,077,298**
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[25] EN
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[54] **PROCEDE ET SYSTEME DE PAIEMENT DE TRANSACTION DE RESEAU**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[22] 2015-04-30
[41] 2016-11-03
[62] 2,986,821

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[13] A1
[25] EN
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[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
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[41] 2016-11-03
[62] 2,986,821

[21] **3,077,439**
[13] A1
[51] **Int.Cl. H04H 60/02 (2009.01) H04H 60/25 (2009.01)**
[25] EN
[54] **APPARATUS FOR TRANSMITTING BROADCAST SIGNAL, APPARATUS FOR RECEIVING BROADCAST SIGNAL, METHOD FOR TRANSMITTING BROADCAST SIGNAL, AND METHOD FOR RECEIVING BROADCAST SIGNAL**
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[72] YANG, SEUNGRYUL, KR
[72] MOON, KYOUNGSOO, KR
[72] KO, WOOSUK, KR
[72] HONG, SUNGRYONG, KR
[71] LG ELECTRONICS INC., KR
[22] 2015-04-27
[41] 2015-11-05
[62] 2,941,597
[30] US (61/984,854) 2014-04-27
[30] US (61/991,624) 2014-05-12
[30] US (62/000,515) 2014-05-19
[30] US (62/003,039) 2014-05-27

[21] **3,077,452**
[13] A1
[51] **Int.Cl. A61M 37/00 (2006.01) A61K 9/00 (2006.01)**
[25] EN
[54] **TIP-LOADED MICRONEEDLE ARRAYS FOR TRANSDERMAL INSERTION**
[54] **RESEAUX DE MICRO-AIGUILLES A EXTREMITE CHARGEE POUR L'INSERTION TRANSDERMIQUE**
[72] FALO, LOUIS D., JR,, US
[72] ERDOS, GEZA, US
[72] OZDOGANLAR, O. BURAK, US
[71] UNIVERSITY OF PITTSBURGH-OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
[71] CARNEGIE MELLON UNIVERSITY, US
[22] 2013-05-01
[41] 2013-11-07
[62] 2,871,770
[30] US (61/641,209) 2012-05-01

[21] **3,077,460**
[13] A1
[25] EN
[54] **AUTOMATED LOADING AND UNLOADING ITEMS**
[54] **CHARGEMENT ET DECHARGEMENT AUTOMATISES D'ARTICLES**
[72] KADABA, NAGESH, US
[72] PETERSON, ERIK, US
[72] RAMSAGER, THOMAS, US
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US
[22] 2015-11-16
[41] 2016-08-04
[62] 2,974,635
[30] US (14/608,869) 2015-01-29
[30] US (14/608,758) 2015-01-29

[21] **3,077,553**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6827 (2018.01) C12Q 1/6858 (2018.01) G01N 33/48 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **RET INHIBITOR**
[54] **INHIBITEUR DE RET**
[72] KODAMA, TATSUSHI, JP
[72] SAKAMOTO, HIROSHI, JP
[72] TSUKAGUCHI, TOSHIYUKI, JP
[71] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
[22] 2013-09-24
[41] 2014-04-03
[62] 2,885,722
[30] JP (2012-211040) 2012-09-25

[21] **3,077,579**
[13] A1
[51] **Int.Cl. H01Q 1/38 (2006.01) H01Q 7/00 (2006.01) H04B 1/59 (2006.01) H04B 5/00 (2006.01) H05K 1/02 (2006.01)**
[25] EN
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[54] **SYSTEMES ET PROCEDES POUR COMPOSANTS FLEXIBLES, CARTES FLEXIBLES, CARTES MULTICOUCHES, DETECTEURS DE CAPTEURS MULTIPLES, MECANISMES DE DETECTION DE DEPLOIEMENT NON TEMPORELS ET GENERATEURS DE CHAMP ELECTROMAGNETIQUE POUR DES CARTES ET DES DISPOSITIFS SOUS TENSION**
[72] MULLEN, JEFFREY D., US
[72] O'SHEA, NORMAN E., US
[72] HARTWICK, DAVID J., US
[72] BATRA, GAUTAM, US
[72] WORKLEY, JAMES H., US
[72] BRUNER, KEVIN D., US
[72] SHIPPEE, GEOFFREY D., US
[72] BOWERS, ALLEN D., US
[72] VETER, ANDREW, US
[71] DYNAMICS INC., US
[22] 2013-02-19
[41] 2013-08-29
[62] 2,864,986
[30] US (61/600,950) 2012-02-20
[30] US (61/666,553) 2012-06-29
[30] US (61/719,703) 2012-10-29
[30] US (61/739,614) 2012-12-19
[30] US (61/740,173) 2012-12-20
[30] US (61/754,424) 2013-01-18

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OZDOGANLAR, O. BURAK 3,077,452
PETERSON, ERIK 3,077,460
POPOVICI-MULLER, JANETA 3,077,245
PRECISION PLANTING LLC 3,077,136
PROGRESS PROFILES SPA 3,073,535
PRUIJN, GERARDUS JOZEF MARIA 3,076,702
PURNHAGEN, HEIKO 3,076,786
RAMSAGER, THOMAS 3,077,460
RAY, ZACK 3,077,148
ROQUETTE FRERES 3,077,116
ROY, NORMAND 3,077,290
SAKAMOTO, HIROSHI 3,077,553
SALPIETRA, JORDAN 3,077,183
SHIPPEE, GEOFFREY D. 3,077,579
SOUCY INTERNATIONAL INC. 3,077,290
STICHTING VOOR DE TECHNISCHE WETENSCHAPPEN 3,076,702
STOLLER, JASON 3,077,136
TAYS, DWIGHT 3,077,184
TAYS, DWIGHT 3,077,295
TORXX KINETIC PULVERIZER LIMITED 3,077,199
TRAVINS, JEREMY 3,077,245
TSUKAGUCHI, TOSHIYUKI 3,077,553
UCHICAGO ARGONNE, LLC 3,077,169
UNITED PARCEL SERVICE OF AMERICA, INC. 3,077,460
UNIVERSITY OF PITTSBURGH-OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION 3,077,452
VAN BOEKEL, MARTINUS ADRIANUS MARIA 3,076,702
VAN VENROOIJ, WALTHERUS JACOBUS WILHELMUS 3,076,702
VETER, ANDREW 3,077,579
VILLEMOES, LARS 3,076,786
WASHINGTON UNIVERSITY 3,077,148
WILLIT, JAMES L. 3,077,169
WORKLEY, JAMES H. 3,077,579
XIA, YOUNAN 3,077,148
XIE, JINGWEI 3,077,148
YANG, SEUNGRYUL 3,077,439
ZHANG, YI 3,077,138
ZHANG, YI 3,077,154
ZHANG, YI 3,077,167
ZHANG, YI 3,077,206
ZHANG, YI 3,077,249
ZHANG, YI 3,077,298
ZHANG, YI 3,077,320
ZHOU, DING 3,077,245